

2026 / 2027 CATALOGUE

MADE IN CRONENBERG  
MADE IN GERMANY

TOOLS THAT  
... inspire

STAHlwILLE®



**Vera Bökenbrink**  
Managing Director

**Udo Hehemann**  
Executive Board |  
Head of Sales and Marketing

## Powerful performance. Future-oriented.

STAHLWILLE is an impressive success story that unites tradition and innovation in a unique way. For over 160 years, as a medium-sized company, we have always had our customers' needs in mind and developed the best solutions of our time. This is how we have evolved from a tool manufacturer nestled in the mountains, to an international champion of innovation in the field of hand-held tools.

As a full-range tool supplier, we offer everything professional users need in almost every field of application and industry. From classic spanners to modern tool storage and transport solutions, from high-tech electronic torque tools for connected Industry 4.0 environments to testing and calibration technology that is state-of-the-art in every respect.

With our contemporary and forward-looking portfolio, we enable our customers to deliver outstanding work. Precise, fast and safe. In production, repair and maintenance. Every single day. All over the world.

We place high demands on ourselves: Our professional tools for trades and industry stand for quality that sets standards and impress with ergonomics and durability that leave nothing to be desired. This is possible because almost all of our value creation takes place "in-house": 95% production depth and a clear commitment to our German location leave no doubt that we will live up to what the "Made in Germany" quality seal promises.

Tools that inspire!

Yours  
Vera Bökenbrink

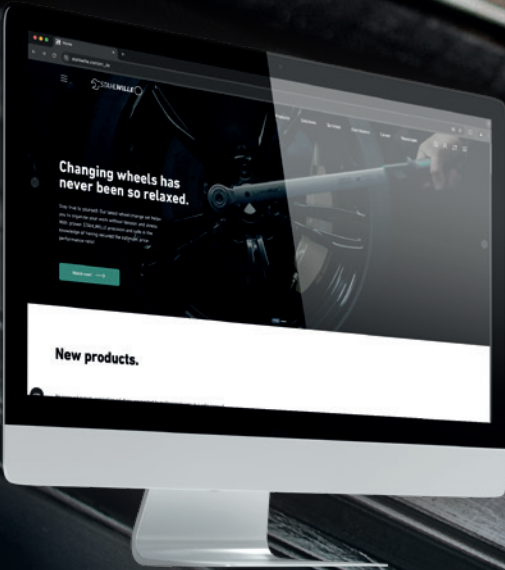
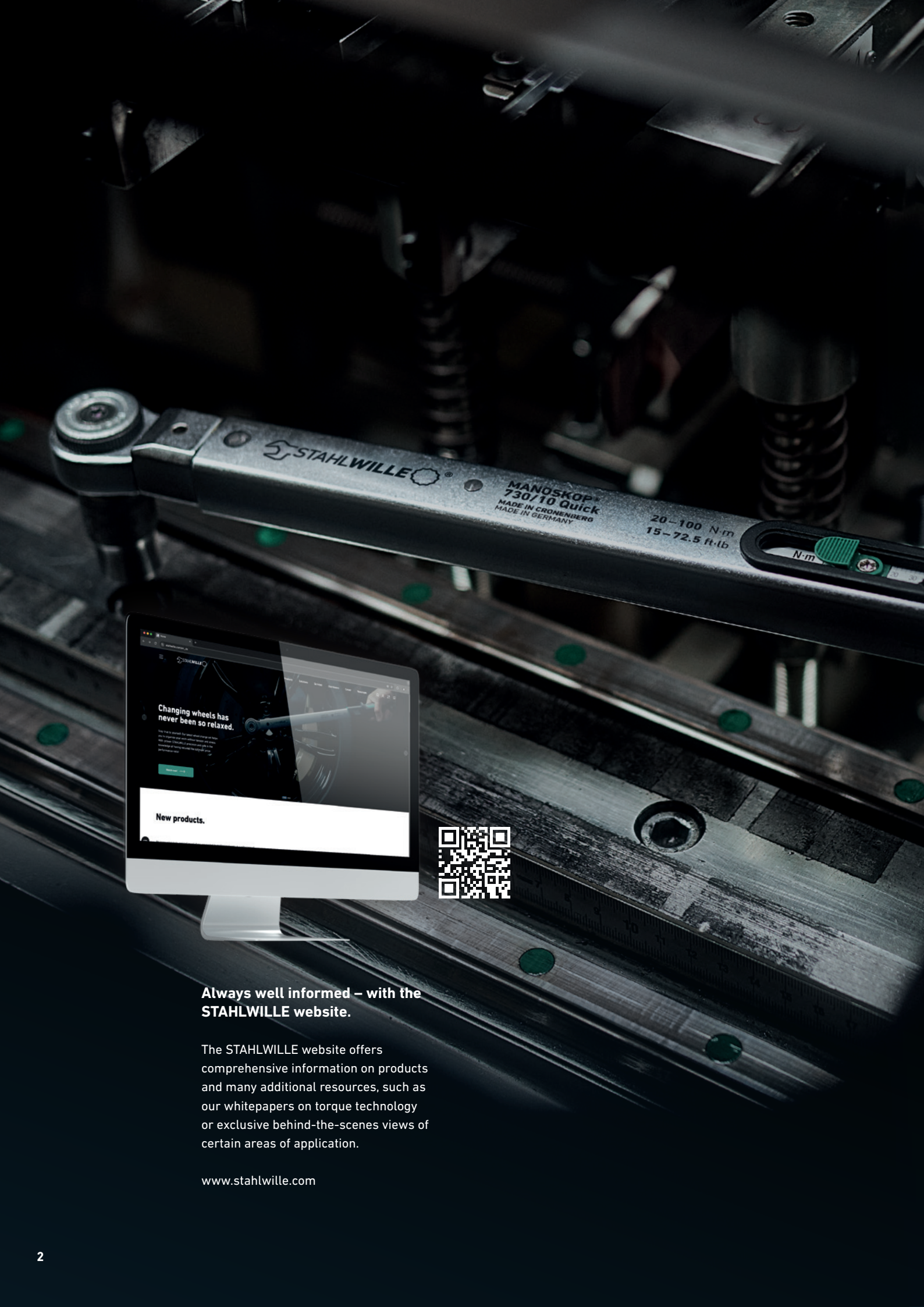


Yours  
Udo Hehemann



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**Always well informed – with the STAHLWILLE website.**

The STAHLWILLE website offers comprehensive information on products and many additional resources, such as our whitepapers on torque technology or exclusive behind-the-scenes views of certain areas of application.

[www.stahlwille.com](http://www.stahlwille.com)

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**MADE IN CRONENBERG.** Made in Germany.  
Our commitment to the location and to absolute  
premium quality.



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#### **Made in Germany.**

At STAHLWILLE, we develop and manufacture innovative hand tools of a premium quality. Made in Germany, of course! All products in our portfolio impress with their excellent performance and a long service life. However, should something break, we place particular importance on ensuring that our tools can be repaired whenever possible – even a long time after purchase. A contribution to greater sustainability.

#### **At home everywhere.**

The quality and performance of our tools and tool storage solutions are trusted by professional industrial users and tradespeople worldwide. In countless projects around the globe, STAHLWILLE repeatedly proves its competence as a project partner and its reliability as a supplier.

## **STAHLWILLE GROUP**

 | **VBW** | 

#### **The STAHLWILLE Group.**

The STAHLWILLE Group brings together the STAHLWILLE, VBW and ALARM brands under one roof: Three traditional companies that operate successfully in the market, have a wealth of experience and are distinguished by their passion for high-quality tools and their special customer focus.



## Our expertise.

We combine our unique heritage with state-of-the-art expertise. Thanks to our many years of experience, we know the different requirements of our customers and the tools they need, across many industries. This enables us to continuously develop our products and optimally adapt them to the needs of users. Over time, we have evolved from a traditional hand tool manufacturer to an innovative solution provider.



## Multiple certifications.

We are certified according to the environmental management standard ISO 14001:2015, quality standard ISO 9001:2015 and management system standard ISO 50001:2018. In addition, our production meets all the requirements of the European environmental standard EMAS.

As part of our energy management system, we ensure the efficient and responsible use of resources in order to purposefully reduce energy consumption and emissions.



# Taking responsibility. Shaping the future.

At STAHLWILLE, Corporate Social Responsibility (CSR) holds great importance. As one of the leading companies in our industry, we take responsibility — for our employees, our partners, and the environment. We are actively committed to socially responsible working conditions, fair collaboration, and resource-efficient production. In doing so, we continuously develop our processes — always with the goal of aligning sustainable business practices with technological excellence. Our corporate management takes ecological, social, and economic aspects equally into account. By doing so, we contribute to minimizing environmental impact and shaping the future responsibly — for a sustainable industry for generations to come.

Sustainability has many aspects and challenges, especially for a medium-sized company. For this reason, we have defined our own sustainability policy, which sets out our standards regarding working conditions, ethics, and environmental protection, and ensures their implementation.

## Resources and environment.

STAHLWILLE is continuously working to reduce energy consumption and lower CO<sub>2</sub> emissions – both important steps toward improving our climate footprint.

Another important contribution to sustainability is the switch to environmentally friendly packaging materials. STAHLWILLE avoids plastic packaging wherever possible and uses materials such as solid cardboard or recycled paper instead. Where plastic packaging is unavoidable, it consists of materials with a very high recycled

content. All packaging is marked according to the EU Packaging Regulation to ensure proper disposal.

## Certified value creation.

STAHLWILLE is certified according to international standards that ensure the highest levels of quality, energy efficiency, and environmental protection – including DIN EN ISO 9001, ISO 50001, and ISO 14001. Regular audits confirm our systematic approach to quality and sustainability.





### **Local production and long-lasting product quality.**

By deliberately choosing production sites in Germany, we are keeping the supply chain as short as possible. STAHLWILLE products are of high quality and enable users to use them for a long time. In addition, STAHLWILLE focuses on sustainable product development and repair-friendly product design, ensuring long-term availability of spare parts that meets – and in many cases exceeds – legal requirements.

### **Ethical conduct.**

Our Code of Conduct forms the basis for our daily behaviour and conveys our values and mission statements to all those involved – and not only within the STAHLWILLE Group. We also obligate our suppliers to comply with a Code of Conduct in order to enforce our high standards of good and sustainable corporate management.

### **Statutory requirements.**

Of course, STAHLWILLE complies with all applicable environmental and safety regulations, such as the requirements of the REACH Regulation, which ensures the careful registration and evaluation of chemicals. The company also strictly adheres to the RoHS directives aimed at minimizing hazardous substances in electrical equipment, as well as to the German Water Resources Act. The water used in production processes is filtered and purified to protect the environment as effectively as possible. But we do not stop there: the company continuously works to improve its processes and materials. An example of this is the recent transition from chromium VI to chromium III – another step towards more environmentally friendly and sustainable manufacturing.





STAHLWILLE

MANOSKOP® 716/10  
MADE IN CRONENBERG  
MADE IN GERMANY

10 - 500 N/m  
7.4 - 75 ft.lb  
70 - 500 in.lb

0.1 Nm

# 1 Torque technology

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ratchet insert tools

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systems



# TORQUE TECHNOLOGY – We are your one-stop-shop for torque tools.

With increasing demands on the quality, safety and reproducibility of bolted joints, controlled bolt tightening is becoming increasingly important. STAHLWILLE is one of the world's leading torque specialists and has been developing "Made in Germany" torque solutions characterised by precision and durability for decades. Everything from a single source: In addition to torque and angle-controlled torque wrenches, our portfolio also includes torque testers and calibration systems that set standards time and time again.

## Torque screwdrivers and torque wrenches.

The STAHLWILLE product range spans torque screwdrivers to mechanical, electromechanical or electronic torque/angle-controlled torque wrenches, to networkable torque tools with various interfaces.



## Calibration technology.

As a world-renowned torque expert we offer a particularly broad portfolio of calibration systems. With the mechanical and motorised calibration systems from STAHLWILLE, torque tools are calibrated quickly and efficiently to established industry standards.





### Testing technology.

In addition to their scheduled calibrations, torque tools should also be tested regularly for function and accuracy. This is the only way to ensure that the tools work exactly within the specification. With our SmartCheck, we offer an excellent solution for in-house testing, among other things.



# TORQUE



# DAPTIQ® TORQUE TECHNOLOGY – simply networked. Perfectly integrated.

Controlled bolt tightening is becoming increasingly important in production and maintenance. The same applies to the necessity to document bolted joints and bolting parameters. DAPTIQ® products offer the optimal solution: They can be integrated into existing leading systems without complex programming, or can be used with the GuideMaster software developed by STAHLWILLE. In both cases, they guarantee ease of use for the worker, shorter training times, increased process quality, and the reduction of time-consuming reworking or recalls.



## MANOSKOP® 766 DAPTIQ® – short training time and high process reliability.

The electromechanical angle-controlled torque wrench MANOSKOP® 766 DAPTIQ® can exchange data bidirectionally and receive and execute instructions. The interface is implemented via cabled connection, radio (ISM), Bluetooth or WLAN. The familiar feeling of a mechanical click reduces operating errors and thus the error rate. Last but not least, automatic documentation of data is made possible in conjunction with the central systems.



[https://stahlwille.com/en\\_gb/  
loesungen/daptiq/9f291d6d](https://stahlwille.com/en_gb/loesungen/daptiq/9f291d6d)



# DAPTIQ



## In-house testing and calibration.

SmartCheck DAPTIQ® allows users to check their torque or angle-controlled torque wrenches in-house. This makes it possible to ensure that the tools operate reliably within the specified tolerance range before starting work. The SmartCheck DAPTIQ® offers an open interface for integration, such as in CAQ systems. This can be done either wirelessly via a Bluetooth module or via the USB interface.

With **perfectControl DAPTIQ®**, STAHLWILLE offers a calibration system that can calibrate torque wrenches and angle-controlled torque wrenches automatically, depending on the version. The user is guided through the entire test process by software. Electronic wrenches can be calibrated fully automatically for the most part. Once calibration is complete, the corresponding data is available to the higher-level Computer Aided Quality (CAQ) system for documentation.



# INTELLIGENT TOOLS, SMART WORKFLOW – Software solutions from STAHLWILLE.

Be it the setup and parametrization of torque wrenches, digital tool management, test equipment monitoring or documentation of work processes: STAHLWILLE software enables work processes to be optimised completely intuitively and the highest quality standards to be complied with.



## Comprehensive.

With the SensoMaster software, we are providing a centralised PC tool for reading out and configuring all electronic STAHLWILLE torque wrenches. The software detects the tool automatically and synchronises the bolted joints and sequences configured on the PC, as well as the work data and results that are stored on the tool.

## Self-explanatory.

The software is self-explanatory thanks to its intuitive user interface with a clear tabular structure. It enables quick and easy programming of electronic torque wrenches and extensive evaluation, as part of a quality assurance strategy for example.

## SensoMaster Live

SensoMaster Live enables the torque and angle of rotation to be displayed graphically on a PC in real time. Multiple tightenings can be displayed at the same time for comparison. The data can be saved in a CSV file and be imported again when required.



# SOFTWARE



## BluetoothMaster.

BluetoothMaster offers a quick, easy and intuitive pairing process. Using BluetoothMaster and the corresponding Bluetooth Low Energy Module, the torque wrenches MANOSKOP® 714 and MANOSKOP® 766 DAPTIQ® and the tester SmartCheck DAPTIQ® can be connected seamlessly to SensoMaster, GuideMaster and CheckMaster. Users can choose between three different modes of communication: TCP/IP, direct connection or Com-Port connection.



## TorkMaster.

TorkMaster enables easy calibration of torque wrenches and screwdrivers in accordance with DIN EN ISO 6789, with little required on the part of the user. Loading curves and the measured values are graphically displayed, and calibration certificates are printed and/or saved as a PDF. A separate calibration history can be created for each tool.

In addition to the calibration, a tool-related machine capability test (MCT) is also possible.



## CheckMaster.

With the help of the CheckMaster software, test data can be read out of the tester for documentation purposes, test certificates created and the basic settings of the SmartCheck tester changed easily. A customer database can be created for this purpose and managed conveniently on the PC.



## Discover the MySTAHlwILLE service portal.






In your own personal MySTAHlwILLE portal, you have access to software and firmware, 3D product data, and numerous other services.  
[service.stahlwille.com](http://service.stahlwille.com)










































# TORQUE TECHNOLOGY PRODUCT OVERVIEW.

# N

## Torque screwdrivers

Category	Measuring range cN·m								Type		Page
	0	50	150	300	500	650	800	1.000	Electromechanical	Mechanical	
775	2 – 1.000 cN·m										21
760	15 – 600 cN·m										20
TORSIOTRONIC®	12 – 1.000 cN·m										22

## Torque wrenches

Category	Measuring range N·m								Feedback type		Insert system		Page
	0	50	150	300	500	650	800	1.000	Indicating	Clicking	Fixed	Interchangeable	
730 Quick	2 – 650 N·m												28–30
730/80	160 – 800 N·m												30
721 Quick	6 – 300 N·m												31
720Nf	160 – 800 N·m												32
721Nf	160 – 1.000 N·m												32
730N	4 – 1.000 N·m												33–35
730 Fix	10 – 1.000 N·m												35, 36
750NR	10 – 400 N·m												37
755	1.5 – 300 N·m												27
71	160 – 800 N·m												26
73Nm/15	2 – 15 N·m												27
730R VDE	4 – 50 N·m												498
<b>Electromechanical</b>	<b>0</b>	<b>50</b>	<b>150</b>	<b>300</b>	<b>500</b>	<b>650</b>	<b>800</b>	<b>1.000</b>	<b>Indicating</b>	<b>Clicking</b>	<b>Fixed</b>	<b>Interchangeable</b>	<b>Page</b>
730D	10 – 1.000 N·m												43
714	1 – 1.000 N·m												46, 47
766 DAPTIQ®	1 – 1.000 N·m												12
<b>Electronic</b>	<b>0</b>	<b>50</b>	<b>150</b>	<b>300</b>	<b>500</b>	<b>650</b>	<b>800</b>	<b>1.000</b>	<b>Indicating</b>	<b>Clicking</b>	<b>Fixed</b>	<b>Interchangeable</b>	<b>Page</b>
713R	3 – 400 N·m												45
701	1 – 20 N·m												42

\* only 755R/1












\*\* only 71aR/80



\*\*\* In case of repair



# M

## Testing and calibration technology

Category	Measuring range N·m	Type		Page
		Electronic	Mechanical	
<b>Testing devices</b>	0 50 150 300 500 650 800 1.000 1.500	Electronic	Mechanical	
SmartCheck USB	1 – 1.500 N·m			85
SmartCheck Angle	0° – 720°			84
SmartCheck DAPTIQ®	1 – 1.500 N·m			13
7707 W	0.2 – 1.100 N·m			87
<b>Test attachment for torque screwdrivers</b>	0 50 150 300 500 650 800 1.000 1.500	Electronic	Mechanical	
7791-2	0.2 – 10 N·m			102
<b>Mechanical calibration systems</b>	0 50 150 300 500 650 800 1.000 3.000	Electronic	Mechanical	
7791 + 7791-1	1 – 1.000 N·m			99
7792 + 7792-1	1 – 3.000 N·m			100, 101
7790	0.2 – 10 N·m			102
<b>Motorised calibration systems</b>	0 50 150 300 500 650 800 1.000 1.500	Electronic	Mechanical	
perfectControl® 7794-1 + 7791-1	1 – 1.000 N·m			92, 93, 99
perfectControl® 7794-2 + 7791-1	1 – 1.000 N·m			94, 95, 99
perfectControl® 7794-3 + 7791-1	1 – 1.000 N·m			96/99

Category	Measuring range N·m	Type		Page
		Electronic	Mechanical	
<b>Torque multipliers</b>	0 50 150 300 500 650 800 1.000 1.500 5.000 8.000 12.000	Electronic	Mechanical	
MULTIPOWER MP 100-1,500	1 – 1.500 N·m			76
MULTIPOWER MP 300	1 – 5.000 N·m** – 8.000 – 12.000			76

\*\* Catalogue items are available up to a maximum torque of 5.000 N·m. Variants with 8.000 N·m and 12.000 N·m are available on request..



### Need more torque?

The STAHLWILLE MULTIPOWER torque multiplier enables up to 5,000 N·m to be achieved. More information on page 76.



# STAHLWILLE TORQUE SCREWDRIVERS – Digital precision meets patented electromechanics.

The innovative TORSIOTRONIC® torque screwdrivers offers extensive possibilities for programming and comprehensive documentation of tightening data. This is because the development of the compact tool incorporated STAHLWILLE's many years of know-how in the field of digital torque technology as well as the patented electromechanical triggering technology, in which an audible and tangible 'click' signals when the target torque is reached. The perfect symbiosis of digital precision and proven mechanics has been awarded both the Red Dot Design Award and the German Design Award.

# BRILLIANT



## Finely tuned.

Particularly precise work thanks to the integrated ratchet with 80 teeth for a working angle of only 4.5° – for left and right tightening and in indicating or click mode.

## Reliable.

A slipping mechanism prevents unintentional exceeding of the correct tightening torque and overtightening of the screw after the click.

## High-contrast.

Clear display of all relevant information in a bright, energy efficient OLED colour display that can be read from almost any angle.



### Can be documented.

The TORSIOTRONIC® stores up to 2,500 tightening results for reading and documenting on the PC at a later date via an integrated micro-USB interface.

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#### TORSIOMAX 775.

The TORSIOMAX 775 with left-hand and right-hand tightening accepts all standard quarter-inch bits, form E 6.3, and prevents the screw from being overtightened with the help of a release coupling. The target torque can be set precisely and easily using a rotary micrometer scale.

#### TORSIOMETER 760.

Equipped with a flat torsion spring as a measuring element, the TORSIOMETER 760 indicates the torque currently applied to the screw. This protects against material damage and rework. The torque can be set variably – quickly and reliably.



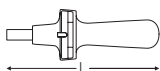
# TORQUE SCREWDRIVERS, MECHANICAL.




## TORSIOMETER 760

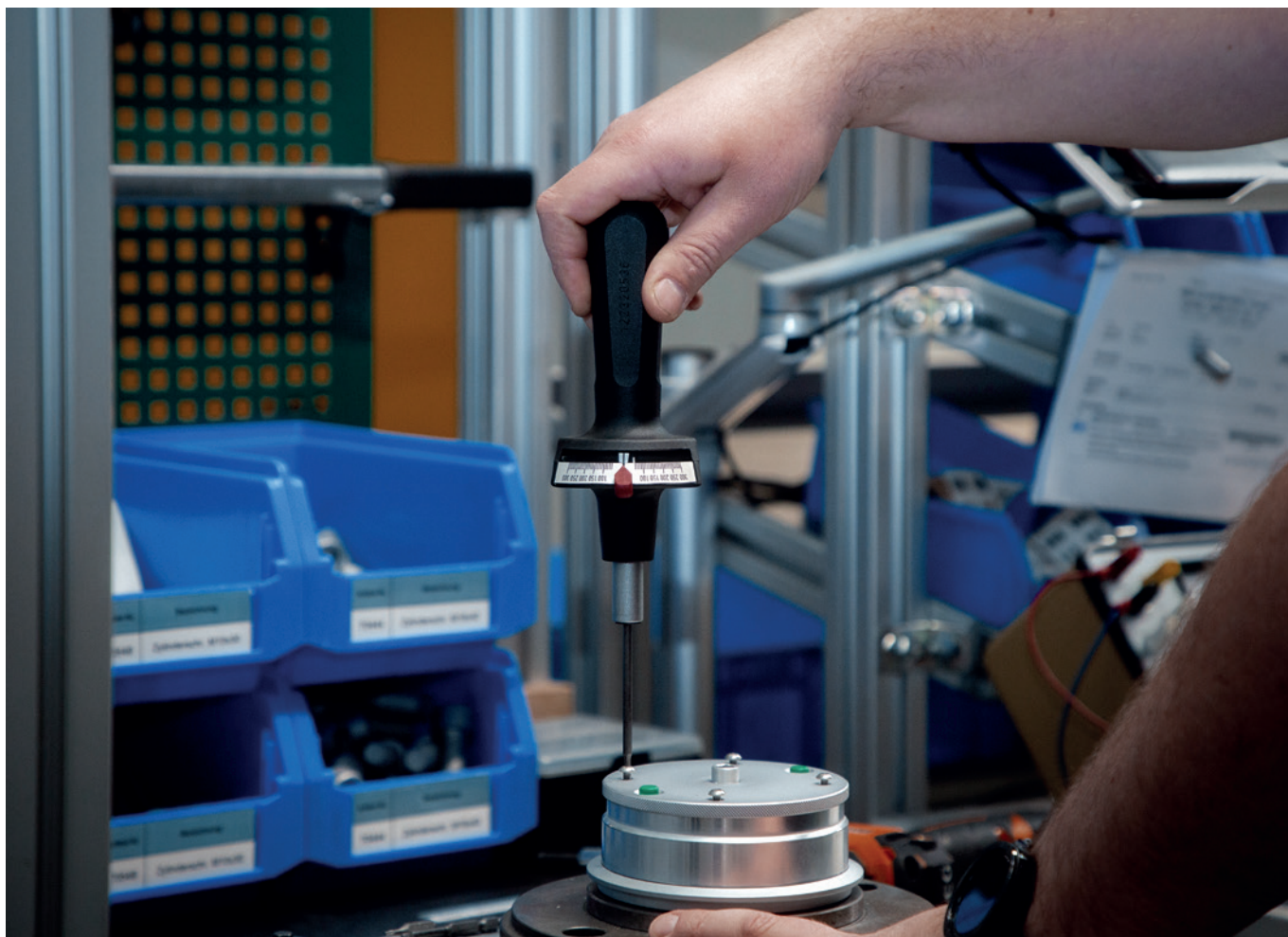


### Torque screwdrivers TORSIOMETER

- indicating type
- torsion leaf spring as measuring element
- for clockwise and counter-clockwise tightening
- with drag pointer
- with 1/4" internal hex drive (F 6.3 DIN 3126 / ISO1173)
- comparative scale in-lb
- inserts and connectors with external hex E 6.3 (1/4") DIN 3126 / ISO 1173 fit securely in the bit holder
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**



Product no.	Size	 cN·m	 in·lb	 cN·m	Ø mm	L mm	± g
51040007	7.5	15-75	1.5-6.5	2.5	F 6.3	185	225
51040015	15	30-150	3-13	5	F 6.3	185	225
51040030	30	60-300	6-26	10	F 6.3	185	230
51040060	60	120-600	12-52	20	F 6.3	185	230



## TORSIOMAX 775



775/3

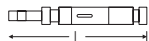
775/12-30

775/100



### Torque screwdrivers TORSIOMAX

- clicking type
- for controlled screw tightening in the cN·m and in·lb ranges
- for both single tightenings and for repetitive production tasks
- for clockwise and counter-clockwise tightening
- with 1/4" internal hex drive (F 6.3 DIN 3126 / ISO1173)
- adjustable setting via micrometer scale (rotating scale)
- disengaging clutch prevents overtightening of the fastener
- specially designed handle for safe transmission of torque
- insert tools: all bits with 1/4" hex E 6.3, such as PHILLIPS®, slotted, TORX®, hex, POZIDRIV® etc.
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 6%**

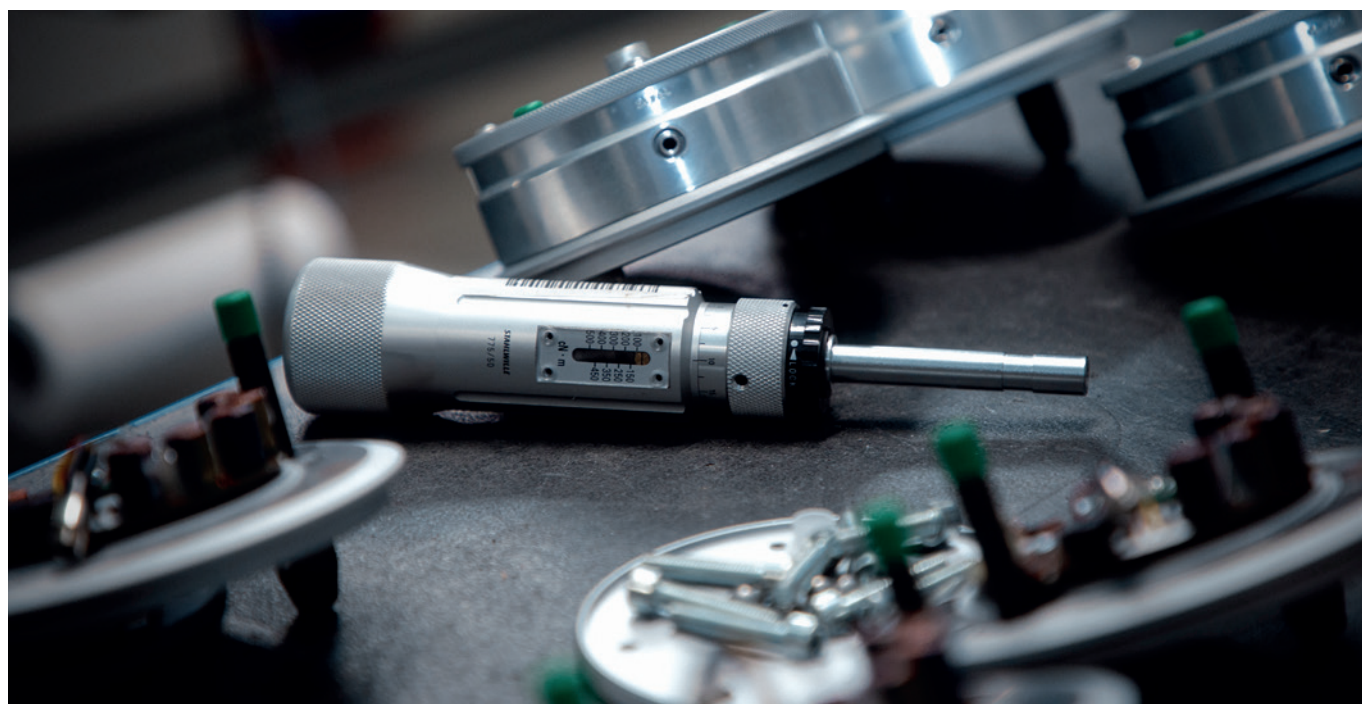


Product no.	Size	cN·m	in·lb	cN·m	in·lb	Ø mm	L mm	Δ g
51060003 <sup>1</sup>	3	2-30	-	0.2	-	F 6.3	105	55
51060012 <sup>2</sup>	12	20-120	-	1	-	F 6.3	157	180
51060030 <sup>2</sup>	30	40-300	-	1	-	F 6.3	160	205
51060050 <sup>2</sup>	50	100-500	-	2.5	-	F 6.3	205	420
51060100 <sup>3</sup>	100	400-1000	-	5	-	F 6.3	235	630
51460003 <sup>1</sup>	a/3	-	0.2-3	-	0.02	F 6.3	105	55
51460012 <sup>2</sup>	a/12	-	2-12	-	0.1	F 6.3	157	200
51460050 <sup>2</sup>	a/50	-	10-50	-	0.25	F 6.3	205	440

<sup>1</sup> with a swivelling handle end to improve tool control; and with a clamping screw for locking the torque value once set

<sup>2</sup> with additional locking mechanism to prevent unintentional adjustment of the set torque

<sup>3</sup> with screw-on handles to reduce effort required for high torques



# TORQUE SCREWDRIVERS, ELECTROMECHANICAL.



## Key features of torque screwdrivers

### TORSIOTRONIC®

- electromechanical, indicating and clicking type
- for clockwise and counter-clockwise tightening
- visual, acoustic, and haptic dual-stop signals
- with 1/4" external square drive (6.3 DIN 3120/ISO 1174-1) and integrated ratchet function with 80 teeth, working angle of 4.5°, for holding 1/4" sockets
- after clicking, the slipping mechanism prevents unintended overshooting of the set tightening torque and overtightening of the screw is prevented
- bright and efficient OLED - colour display readable from virtually any angle
- optical evaluation of the tightening torque by traffic light colours on the display and side mounted LEDs
- supported languages: DE, EN, IT, FR, ES
- stores up to 2,500 joints and sequences for transfer to the PC via an integrated micro-USB interface
- tolerances for evaluation purposes can be set individually
- short training time thanks to virtually self-explanatory controls and an easy-to-understand menu structure
- 3 operating modes (Click, Track, Peak-Hold)
- bolted joints and sequence plans parameterizable
- with a 1/4" inner square at the end of the handle (6.3 DIN 3120/ISO 1174-1) for accommodating a 1/4" T-handle
- units of measurement: cN·m, N·m, ft·lb, in·lb, in·oz
- included in delivery: software SensoMaster 4, USB cable, bit holder, T-handle (size 10)
- supplied with lithium battery 3.6 V, type 18650, packed according to UN 3481
- the GEN3 version can charge the battery in situ via the micro-USB cable if required
- with 2-component handle
- patented
- in a sturdy plastic box
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4 %**

## TORSIOTRONIC®



## Electromechanical torque screwdrivers

- long battery life with battery-saving standby mode
- the batteries are quick and easy to change.
- supplied with 3.6 V lithium battery, type 18650, packaged according to UN 3481

Product no.	cN·m	N·m	ft·lb	in·lb	in·oz	L mm	g
96510712	12-120	0.12-1.2	0.08-0.885	1.06-10.7	16.9-169.9	317	569
96510730	30-300	0.3-3	0.2-2.3	2.6-26.6	42-425	317	570
96510760	60-600	0.6-6	0.4-4.45	5.3-53.1	84.5-849.5	317	572
96510700	100-1000	1-10	0.7-7.3	8.8-88.5	141-1417	317	575
96511712 <sup>1</sup>	12-120	0.12-1.2	0.08-0.885	1.06-10.7	16.9-169.9	317	523
96511730 <sup>1</sup>	30-300	0.3-3	0.2-2.3	2.6-26.6	42-425	317	524
96511760 <sup>1</sup>	60-600	0.6-6	0.4-4.45	5.3-53.1	84.5-849.5	317	526
96511700 <sup>1</sup>	100-1000	1-10	0.7-7.3	8.8-88.5	141-1417	317	529

<sup>1</sup> version as 96510712-96510700, but without battery (**not hazardous goods**)

# STAHLWILLE TORSIOTRONIC® – The innovative torque screwdriver.

1



## Precise.

Particularly precise work thanks to the integrated ratchet with 80 teeth for a working angle of just 4.5° – for left and right tightening and indicating or clicking mode.



## Documentable.

The TORSIOTRONIC® stores up to 2,500 tightening results for reading and documenting on the PC at a later date via an integrated micro-USB interface.



## Ready.

Long battery life with battery-saving standby mode. Always ready for use thanks to a quick and easy rechargeable battery.

# MECHANICAL TORQUE WRENCHES – For more efficiency and safety.

Mechanical torque wrenches from STAHLWILLE impress with their easy operation, their technical features and the long-term stability of the measured values: Sophisticated controls ensure greater safety and speed when adjusting the target torque. A precise technology inside for precise triggering. Optimised ergonomics to prevent operator errors and fatigue. And a triggering mechanism with a bending beam, which eliminates the need to unwind the spring to '0' after use.

# SIMPLE



## Quick.

MANOSKOP® 730 Quick: Convenient and quick to adjust – thanks to particularly large thumbhole and non-slip adjustment slider.

## Reliable.

The QuickRelease technology prevents unintentional removal of the insert tools and makes it possible to change tools quickly.

## Simple.

Quick external adjustment without dismantling the torque wrench using 2 adjustment points.



## Exceptional.

The mechanical torque wrenches from STAHLWILLE feature a low-wear clicking mechanism with a bending beam. Unlike conventional torque wrenches with coiled springs, the bending beam is not under load unless the tool is being used, which means that it does not need to be reset to '0' after use.



## Flexible.

Thanks to a wide measuring range spanning 4 – 650 N-m and interchangeable insert tools (9x12 mm, 14x18 mm, 22x28 mm), the MANOSKOP® 730 Quick range is particularly flexible.

## Precise.

The design with opposing arrow shaped pointers allows quick and precise torque adjustment.

An overview of the mechanical torque wrenches can be found on page 16 and 17!



# TORQUE WRENCHES, MECHANICAL.

## Key features of torque wrenches

MANOSKOP® 71

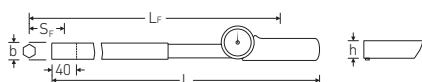
- indicating type
- drag indicator dial gauge
- dual scale N·m/ft·lb
- scale made of special luminescent, bright yellow foil for clear readability even in poor visibility conditions
- measuring element as bending plate in the handle
- handle with integrated force compensator
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- readjustment does not require disassembly
- delivered in a textile bag
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4 %**

## 71/80



### Torque wrench MANOSKOP®

- mount for interchangeable shell tools
- when combined with adaptor No. 7370/80, 14 x 18 mm insert tools can also be used (max. 650 N·m)
- with overload protection
- counter-clockwise tightening by turning the insert tools over



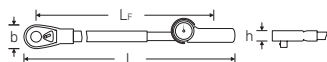
Product no.	N-m	ft-lb	N-m	ft-lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g
50030080	160-800	120-600	10	10	24.5 x 28	1048	28	24	1050	95	2300

## 71aR/80



### Torque wrench MANOSKOP®

- with permanently installed ratchet
- 36 teeth
- for controlled clockwise tightening
- dial gauge secured with an additional protective ring



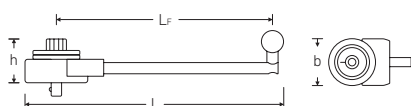
Product no.	N-m	ft-lb	N-m	ft-lb	"	L mm	b mm	h mm	L <sub>F</sub> mm	g
50450080	160-800	100-600	10	10	3/4	1152	70	30	1060	4900

## 73Nm/15



### Friction gauge

- indicating type
- drag indicator dial gauge
- with built-in square for clockwise measurements
- no 'blinking cursor' during the measurement process
- weight reduction through use of aluminium inserts
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**



Product no.	N-m	N-m	"	L mm	b mm	h mm	L <sub>F</sub> mm	$\Delta$ g
50240015	2-15	0.5	1/2	298.5	72	50	250	676

### Key features of torque wrenches

#### MANOSKOP® 755 series

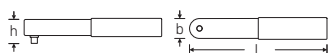
- clicking type with dual stop signal
- for work on assembly lines or for repetitive production tasks.
- no adjustment scale; therefore adjustment with test equipment is required, e.g. with the STAHLWILLE test devices No. 7707 W, SmartCheck or the perfectControl® calibration systems No. 7794, or calibration systems No. 7706, 7791
- particularly lightweight design
- handle and shaft made of rectangular steel pipe
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measuring range limit of the torque wrench)
- can be supplied pre-set at defined torque value and with certification (additional charge applies)
- **accuracy ± 4%**

## 755R/1



### Torque wrench Series MANOSKOP®

- measurements are independent of the point of application of force
- for controlled clockwise tightening
- with permanently installed ratchet
- 22 teeth



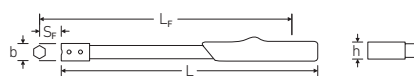
Product no.	N-m	ft-lb	"	L mm	b mm	h mm	$\Delta$ g
50100001	1.5-12.5	1.0-9.0	1/4	173.5	22	18	335

## 755



### Torque wrenches Series MANOSKOP®

- with holder for interchangeable insert tools
- counter-clockwise tightening by turning the insert tools over



Product no.	Size	N-m	ft-lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	$\Delta$ g
50010004	4	4-40	3-30	9 x 12	201	22	18	172	17.5	500
50010010	10	20-100	15-74	9 x 12	318	28	24	289	17.5	635
50010020	20	40-200	30-147	14 x 18	457	28	24	435	25	1045
50010030	30	60-300	40-220	14 x 18	609	28	24	587	25	1210

## Torque technology

### Key features of torque wrenches

Service MANOSKOP® 730 Quick

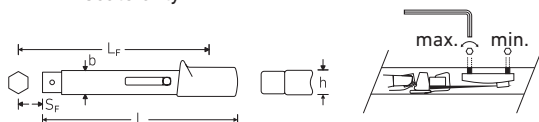
- clicking type with dual stop signal
- no reset to '0' required
- the measuring element is only under load during tightening
- with holder for interchangeable insert tools
- with QuickRelease safety lock (size 5-65)
- non-slip adjuster with thumb recess for quick torque adjustment
- fine, tapered pointers
- clicking mechanism insensitive to continuous loads and counter-loads (max. up to the measuring range limit of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- counter-clockwise tightening by turning the insert tools over
- easy adjustment without disassembly via 2 adjustment screws
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

## 730 Quick



### Torque wrenches Service MANOSKOP® (N·m)

— N·m scale only



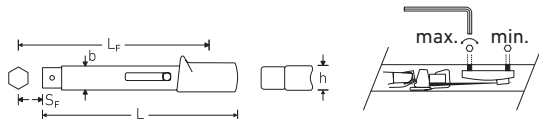
Product no.	Size	N·m	N·m	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⊖ g
50184001	2-1	2-10	0.25	9 x 12	179	27.5	23.6	157.2	17.5	315
50184002	2	4-20	0.5	9 x 12	179	27.5	23.6	157.2	17.5	315
50184004	4	8-40	1	9 x 12	223	27.5	23.6	200.8	17.5	395

## 730a Quick



### Torque wrenches Service MANOSKOP® (in·lb)

— in·lb scale only



Product no.	Size	in·lb	in·lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⊖ g
50584001	a/2-1	17.5-87.5	2.5	9 x 12	179	27.5	23.6	157.2	17.5	315
50584002	a/2	30-175	5	9 x 12	179	27.5	23.6	157.2	17.5	315
50584004	a/4	70-350	10	9 x 12	223	27.5	23.6	200.8	17.5	395

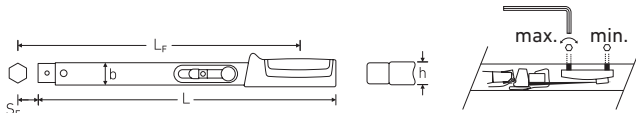
## 730 Quick



### Torque wrenches Service MANOSKOP®

— dual scale N·m/ft·lb

— also available on request as a N·m only version without dual scale



Product no.	Size	N-m	ft-lb	N-m	ft-lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⌀ g
50184005	5	6-50	5-36	2	1	9 x 12	315	28	23	288	17.5	780
50184010	10	20-100	15-72.5	2.5	2.5	9 x 12	370	28	23	343	17.5	936
50184012	12	25-130	20-95	2.5	2.5	14 x 18	410	28	23	390	25	1074
50184020	20	40-200	30-145	5	5	14 x 18	455	28	23	435	25	1310
50184030	30	60-300	50-220	10	10	14 x 18	520	28	23	500	25	1400
50184040	40	80-400	60-300	10	10	14 x 18	590	28	23	570	25	1540
50184065 <sup>1 2</sup>	65	130-650	100-480	20	20	14 x 18	875	30.6	25.6	855	25	3192
50184565 <sup>1 2</sup>	III/65	130-650	100-480	20	20	22 x 28	897	30.6	25.6	907	55	4104

<sup>1</sup> recommended ratchet insert tool No. 735/40HD

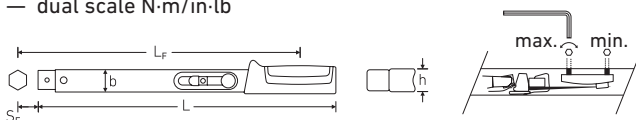
<sup>2</sup> supplied in textile bag

## 730a Quick



### Torque wrenches Service MANOSKOP®

— dual scale N·m/in·lb



Product no.	Size	N-m	in-lb	N-m	in-lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⌀ g
50584005	a/5	6-50	50-440	2	10	9 x 12	315	28	23	288	17.5	780
50584010	a/10	20-100	180-880	2.5	20	9 x 12	370	28	23	343	17.5	934
50584012	a/12	25-130	225-1150	2.5	25	14 x 18	410	28	23	390	25	1076
50584020	a/20	40-200	350-1750	5	50	14 x 18	455	28	23	435	25	1216

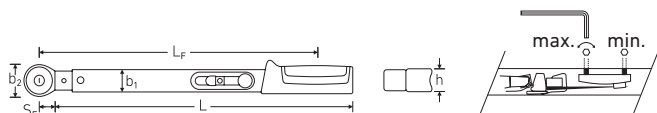
TOOLS THAT  
... inspire

# 730R Quick



### Torque wrenches Service MANOSKOP®

- dual scale N-m/ft-lb
- with holder for interchangeable insert tools
- with ratchet No. 735
- 60 teeth



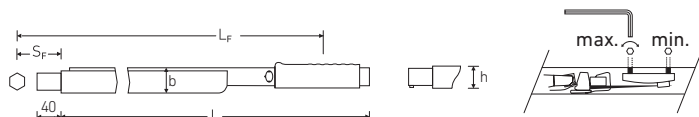
Product no.	Size	N-m	ft-lb	N-m	mm	mm	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g
96501054	2-1	2-10	-	0.5	1/4	9 x 12	250	60	22	55	157.2	17.5	480
96504002	2	4-20	-	0.5	3/8	9 x 12	255	55	33	55	157.2	17.5	455
96504004	4	8-40	-	1	3/8	9 x 12	285	55	33	55	200.8	17.5	642
96504005	5	6-50	5-36	2	3/8	9 x 12	380	50	33	50	288	17.5	994
96504010	10	20-100	15-72.5	2.5	1/2	9 x 12	430	55	33	55	343	17.5	1190
96504012	12	25-130	20-95	2.5	1/2	14 x 18	475	52	43	52	390	25	1488
96504020	20	40-200	30-145	5	1/2	14 x 18	530	55	43	55	435	25	1626
96504030	30	60-300	50-220	10	1/2	14 x 18	590	50	43	50	500	25	1400
96504040	40	80-400	60-300	10	3/4	14 x 18	675	72	50	63	570	25	2694

# 730/80



### Torque wrench Service MANOSKOP®

- dual scale N-m/ft-lb
- with holder for interchangeable shell tools
- when combined with adaptor No. 7370/80, 14 x 18 mm insert tools can also be used (max. 650 N-m)
- delivered in a textile bag



Product no.	N-m	ft-lb	N-m	ft-lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g
50180080	160-800	120-600	20	20	24.5 x 28	970	46	43	990	95	4925



**Key features of torque wrenches**

Standard MANOSKOP® 721 Quick

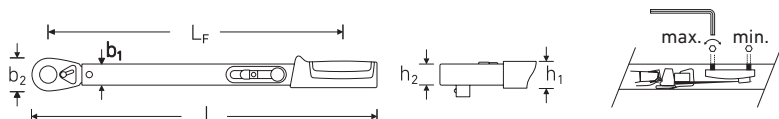
- clicking type with dual stop signal
- no reset to '0' required
- the measuring element is only under load during tightening
- quick adjustment thanks to easy-to-operate clamping lever in handle
- non-slip adjuster with thumb recess for quick torque adjustment
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measuring range limit of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- only for controlled clockwise tightening
- easy adjustment without disassembly via 2 adjustment screws
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4 %**

## 721 Quick



**Torque wrenches Standard MANOSKOP®**

- dual scale N·m/ft·lb
- with permanently installed ratchet



Product no.	Size	N-m	ft-lb	N-m	ft-lb	"	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	Number of teeth	∅ g
50204005	5	6-50	5-36	2	1	3/8	352	28	27.5	23	14.5	293	30	880
50204015	15	30-150	25-110	5	5	1/2	452	28	41	23	18	387	36	1282
50204020	20	40-200	30-145	5	5	1/2	483	28	41	23	18	418	36	1349
50204030 <sup>1</sup>	30	60-300	50-220	10	10	1/2	553	28	44	23	27.5	486	36	1646

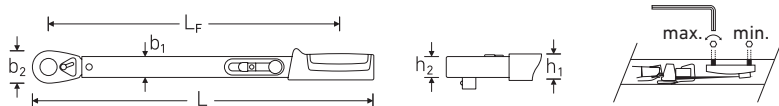
<sup>1</sup> size 30 with push through square drive for counter-clockwise tightening (for replacement square drive see page 80)

## 721QR Quick



**Torque wrenches Standard MANOSKOP®**

- dual scale N·m/ft·lb
- with permanently installed QuickRelease ratchet
- 36 teeth



Product no.	Size	N-m	ft-lb	N-m	ft-lb	"	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	Number of teeth	∅ g
50204115	15	30-150	25-110	5	5	1/2	452.5	28	41	23	18	387	36	1268
50204120	20	40-200	30-145	5	5	1/2	482	28	41	23	18	416.5	36	1338

**Torque technology**

**Key features of torque wrenches**

Standard MANOSKOP® 720Nf/721Nf

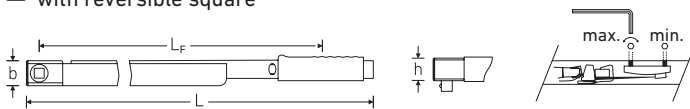
- clicking type with dual stop signal
- dual scale N·m/ft·lb
- anti-clockwise tightening via push-through square drive
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 adjustment screws
- delivered in a textile bag
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4 %**

**720Nf/80**



**Torque wrench Standard MANOSKOP® with fixed square drive**

- 3/4" external square drive
- with reversible square



Product no.	N-m	ft-lb	N-m	ft-lb	"	L mm	b mm	h mm	L <sub>F</sub> mm	g
50190081	160-800	120-600	20	20	3/4	1034	45	42	938	5650

**721Nf**



721Nf/80

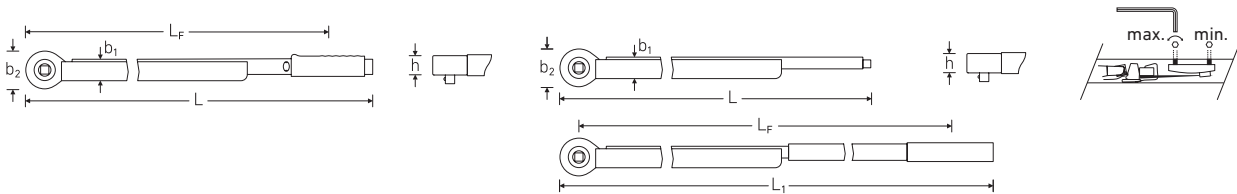


721Nf/100



**Torque wrenches Standard MANOSKOP®**

- 3/4" external square drive
- with permanently installed ratchet
- with reversible square
- 30 teeth



Product no.	Size	N-m	ft-lb	N-m	ft-lb	"	L mm	L <sub>1</sub>	b <sub>1</sub> mm	b <sub>2</sub> mm	h mm	L <sub>F</sub> mm	g
50200081	80	160-800	120-600	20	20	3/4	1050.5	-	46.5	76	42	938	6380
96502001	100	200-1000	150-725	25	25	3/4	820	1503.5	46.5	76	42	1365.5	7010

### Key features of mechanical torque wrenches

Service MANOSKOP® 730N

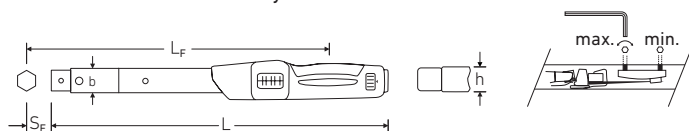
- clicking type with dual stop signal
- no reset to '0' required
- the measuring element is only under load during tightening
- fast, precise adjustment with QuickSelect quick adjustment
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measuring range limit of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 adjustment screws
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017

## 730N



### Torque wrench Service MANOSKOP®

- dual scale N·m/in·lb
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- counter-clockwise tightening by turning the insert tools over
- **accuracy ± 4**



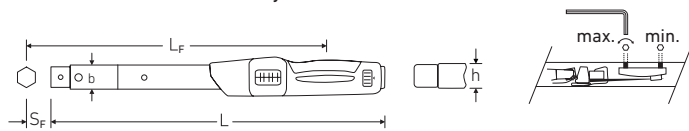
Product no.	Size	N·m	in·lb	N·m	in·lb	fine scale	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⊖ g
50181102	2	4-20	40-180	1	10	0.2 N·m	9 x 12	275	28	23	226	17.5	737

## 730N



### Torque wrenches Service MANOSKOP®

- dual scale N·m/ft·lb
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- counter-clockwise tightening by turning the insert tools over
- supplied in a textile bag (from size 65)
- **accuracy ± 3%**



Product no.	Size	N·m	ft·lb	N·m	ft·lb	fine scale	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	⊖ g
50181005	5	10-50	7-37	5	1	0.25 N·m	9 x 12	330	28	23	280.5	17.5	831
50181010	10	20-100	15-75	10	2.5	0.5 N·m	9 x 12	386	28	23	336	17.5	988
50181012	12	25-130	20-95	10	2.5	0.5 N·m	14 x 18	421	28	23	379	25	1128
50181020	20	40-200	30-150	10	5	1 N·m	14 x 18	467	28	23	424.5	25	1264
50181040	40	80-400	60-300	20	10	2 N·m	14 x 18	607	28	23	564.5	25	1655
50181065 *	65	130-650	100-480	50	20	2.5 N·m	14 x 18	890	30.6	25.6	848	25	3231
50181365	II/65	130-650	100-480	50	20	2.5 N·m	22 x 28	911	30.6	25.6	900	55	3504
50181080	80	160-800	120-600	100	25	5 N·m	22 x 28	1178	30.6	25.6	1167	55	4825
50181100	100	200-1000	150-750	100	25	5 N·m	22 x 28	1363	30.6	25.6	1352	55	5000

\* recommended ratchet insert tool No. 735/40HD

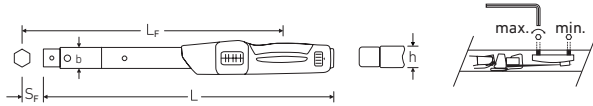
Torque technology

# 730Na



**Torque wrenches Service MANOSKOP®**

- dual scale ft-lb/in-lb
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- counter-clockwise tightening by turning the insert tools over
- **accuracy ± 3% (size a/2: 4%)**



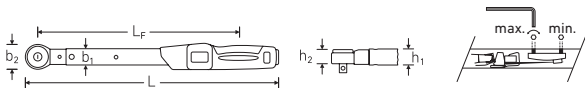
Product no.	Size	ft-lb	in-lb	in-lb	ft-lb	fine scale	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g
50581102	a/2	3-15	40-180	10	0.5	2 in-lb	9 x 12	275	28	23	226	17.5	737
50581005	a/5	7-37	90-450	50	1	2.5 in-lb	9 x 12	330	28	23	280.5	17.5	831
50581010	a/10	15-75	180-900	100	2.5	5 in-lb	9 x 12	386	28	23	336	17.5	988
50581020	a/20	30-150	350-1800	100	5	10 in-lb	14 x 18	467	28	23	424.5	25	1264
50581040	a/40	60-300	800-3600	100	20	2 ft-lb	14 x 18	607	28	23	564.5	25	1655

# 730NR



**Torque wrenches Service MANOSKOP®**

- dual scale N-m/ft-lb
- with permanently installed fine-tooth ratchet
- 60 teeth
- in sturdy plastic box (size 65 in sheet steel box)
- **accuracy ± 4%**



Product no.	Size	N-m	ft-lb	N-m	ft-lb	fine scale	"	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	g	g with box
96503105	5 FK	10-50	7-37	5	1	0.25 N-m	<sup>3</sup> / <sub>8</sub>	364	28	33	23	24	280.5	973	1763
96503110	10 FK	20-100	15-75	10	2.5	0.5 N-m	<sup>1</sup> / <sub>2</sub>	420	28	33	23	24	336.5	1146	1934
96503120	20 FK	40-200	30-150	10	5	1 N-m	<sup>1</sup> / <sub>2</sub>	513.5	28	43	23	26	425	1583	2370
96502140	40 FK	80-400	60-300	20	10	2 N-m	<sup>3</sup> / <sub>4</sub>	657	28	50	23	31.5	564.5	2122	2657
96502265	65 FK-HD	130-650	100-480	50	20	2.5 N-m	<sup>3</sup> / <sub>4</sub>	944	30.6	58	25.6	36	848	3698	6188

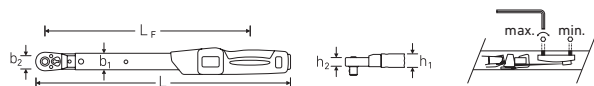


# 730NR QR



### Torque wrenches Service MANOSKOP®

- dual scale N·m/ft·lb
- with permanently installed QuickRelease ratchet
- with QuickRelease safety lock
- 30 teeth
- in a sturdy plastic box
- accuracy ± 4%



Product no.	Size	N·m	ft·lb	N·m	ft·lb	fine scale	"	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	g	g with box
96502105	5QR FK	10-50	7-37	5	1	0.25 N·m	3/8	372.5	28	29	23	14.5	291	961	1386
96502110	10QR FK	20-100	15-75	10	2.5	0.5 N·m	1/2	428.5	28	29	23	14.5	346.5	1129	1554
96502120	20QR FK	40-200	30-150	10	5	1 N·m	1/2	526	28	41	23	18	438.5	1589	2014

### Key features of mechanical torque wrenches

#### Service/Series MANOSKOP® 730 Fix

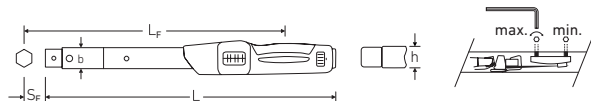
- clicking type with dual stop signal
- adjustment knob can be unscrewed and removed after setting the desired torque value - subsequent changing of the setting is thus prevented
- no reset to '0' required
- the measuring element is only under load during tightening
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- fast, precise adjustment with QuickSelect quick adjustment
- counter-clockwise tightening by flipping the insert tools over
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measuring range limit of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 adjustment screws
- with 2-component handle
- in sturdy plastic box (sizes 80-100 in sheet steel box)
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- accuracy ± 3%

# 730 Fix



### Torque wrenches Service/Series MANOSKOP®

- dual scale N·m/ft·lb
- for work on assembly lines or for repetitive production tasks



Product no.	Size	N·m	ft·lb	N·m	ft·lb	fine scale	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g	g with box
96503005	5	10-50	7-37	5	1	0.25 N·m	9 x 12	330	28	23	280.5	17.5	828	1632
96503010	10	20-100	15-75	10	2.5	0.5 N·m	9 x 12	386	28	23	336	17.5	986	1788
96503012	12	25-130	20-95	10	2.5	0.5 N·m	14 x 18	421	28	23	379	25	1124	1928
96503020	20	40-200	30-150	10	5	1 N·m	14 x 18	467	28	23	424.5	25	1266	1890
96503040	40	80-400	60-300	20	10	2 N·m	14 x 18	607	28	23	564.5	25	1666	2444
96503065 *	65	130-650	100-480	50	20	2.5 N·m	14 x 18	890	30.6	25.6	848	25	3242	6500
96503465	III/65	130-650	100-480	50	20	2.5 N·m	22 x 28	911	30.6	25.6	900	55	3490	7000
96503080	80	160-800	120-600	100	25	5 N·m	22 x 28	1178	30.6	25.6	1167	55	4794	10500
96503100	100	200-1000	150-750	100	25	5 N·m	22 x 28	1363	30.6	25.6	1352	55	5196	11000

\* recommended ratchet insert tool No. 735/40HD

## Torque technology



## Triple safety

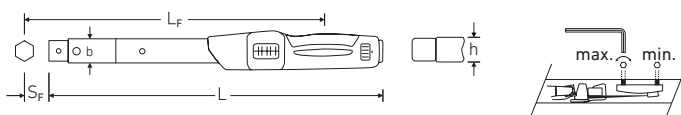
- adjustment knob can be unscrewed and removed after setting the desired torque value- subsequent changing of the setting is thus prevented
- the supplied TORX® Tamper Resistant locking screw also protects against tampering, as do the enclosed adhesive seals
- no adjustment possible without breaking the seal

## 730a Fix



## Torque wrenches Service/Series MANOSKOP®

- dual scale ft·lb/in·lb
- for work on assembly lines or for repetitive production tasks



Product no.	Size	ft-lb	in-lb	in-lb	ft-lb	fine scale	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g	g with box
96583005	a/5	7-37	90-450	50	1	2.5 in-lb	9 x 12	330	28	23	280.5	17.5	832	1638
96583010	a/10	15-75	180-900	100	2.5	5 in-lb	9 x 12	386	28	23	336	17.5	988	1790
96583020	a/20	30-150	350-1800	100	5	10 in-lb	14 x 18	467	28	23	424.5	25	1066	2072
96583040	a/40	60-300	800-3600	100	20	2 ft-lb	14 x 18	607	28	23	564.5	25	1670	2614



# BECAUSE YOU DON'T HAVE TIME FOR YOGA...



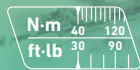
## 750NR

The torque wrench with relaxation factor.



### Outstanding.

STAHLWILLE on it, STAHLWILLE in it: Quality "Made in Germany", robust and durable. Made of high-quality steel with a special matt finish!



### Precise.

Thanks to the easily readable scale, integrated fine scale, and the clearly tangible haptic feedback of the precise mechanical triggering.



### Balanced.

Beautiful design with new, ergonomically optimised handle – for low-fatigue work.



### Relaxed.

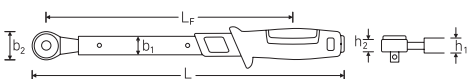
Adjustment of the target torque via an easily accessible rotary knob at the end of the handle. With 10 N-m per revolution (Model 750NR/200), this torque wrench is the fastest in its class!

## 750NR



### Torque wrenches

- dual scale N-m/ft-lb
- clicking type with dual stop signal
- with permanently installed, reversible fine-tooth ratchet
- 60 teeth
- resilient, long-lasting spring mechanism
- fast, precise adjustment with QuickSelect quick adjustment
- for controlled clockwise tightening
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measurement range of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- effortless and precise adjustment and fixing of the target torque using adjustment knob on the end of the handle
- ready for operation again immediately after release
- for maximum measuring accuracy and a long service life, it is recommended to reset the torque wrench to '0' after use
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**



Product no.	N-m	ft-lb	N-m	ft-lb	fine scale	"	L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	g
50021003	20-100	15-74	5	10	0.25 N-m	3/8	443	28	35	23	14	348	1150
50021004	40-200	30-150	10	20	0.5 N-m	1/2	526.7	28	43	23	16	464	1460
50021006	80-400	60-300	20	40	1 N-m	3/4	678.7	28	58	23	24	574.3	2550

# ELECTRONIC TORQUE WRENCHES – Extremely reliable, extremely precise.

No compromises – whether programming and parameterising bolted joints and entire bolting sequences, whether digital measurement and evaluation, or downloading bolted joint data for documentation. In terms of precision, handling and connectivity, STAHLWILLE's electronic torque wrenches are pioneering.



## Documenting.

The SENSOTORK® 713R offers extensive documentation options. Up to 2,000 tightening operations are stored with a time stamp.

## Connecting.

Parametrisation of the torque wrench or downloading the stored data. The USB interface makes this possible together with the optional SensoMaster software.

## Multisensory.

The achieved torque is signalled visually, acoustically and haptically – by means of an LCD with multi-colour backlighting, warning tone and vibration.



### Compact.

The SENSOTORK® 701 impresses with its slim and compact design and is specially designed for low torques in the range of 1–20 N·m. Ideal for tightening screws on modern materials such as plastic, magnesium or aluminium.

MADE IN CRONENBERG  
MADE IN GERMANY

### Precise.

With integrated fine-tooth ratchet with 80 teeth and QuickRelease safety lock, which allows quick tool changes whilst preventing unintentional loss of the attached tool.

### Efficient.

The SENSOTORK® 701 offers direct adjustment of the target torque on the tool. The single-button control allows quick and easy setting of units and modes (track, peak hold, user mode including target with evaluation).

An overview of the electronic torque wrenches can be found on page 16 and 17!



# ELECTROMECHANICAL TORQUE WRENCHES – Precise. Simple. Documented.

Parameterise bolted joints with absolute precision down to the decimal place, measure digitally, evaluate in real time and document for quality assurance? Electromechanical torque wrenches from STAHLWILLE are ideal for more demanding applications and also offer the sensory feedback usually only offered by mechanical torque wrenches.

# LEADING



## Documenting.

Our electromechanical torque wrenches are easy to configure and program with the SensoMaster software. This means that all data can be downloaded, stored and subjected to further analysis on the PC for better monitoring and optimisation of the work processes.

## Intuitive.

High-resolution colour graphics display alongside indicator lights. Yellow light: Prewarning threshold reached. Green light: Measured value within the tolerance range. Red light: Measured value outside the tolerance range.

## Connecting.

Simple documentation of the recorded measurements on the PC via the USB interface and via an optional Bluetooth Low Energy module.



## Unique.

The best of both worlds: Electromechanical torque wrenches from STAHLWILLE combine the uncompromising precision of an electronic torque tool with the proven feeling of a real, mechanical click.



MADE IN CRONENBERG  
MADE IN GERMANY

## Time saving.

When using an insert tool with a different length, the user no longer has to recalculate and adjust the target torque. The user simply enters the new extension length. The torque wrench then performs the conversion automatically.

## Diverse.

With the electromechanical torque wrench, you are equipped for every bolted joint: Users have four different measurement modes at their disposal with 'Torque', 'Angle of rotation', 'Torque with angle of rotation control' and 'Angle of rotation with torque control'.

An overview of the electromechanical torque wrenches can be found on page 16 and 17!



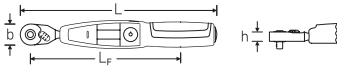
# TORQUE WRENCHES, ELECTRONIC, ELECTROMECHANICAL.

## 701/2



### Electronic torque wrenches SENSOTORK®

- indicating type
- with permanently installed fine-tooth ratchet
- 80 teeth allow for a working angle of just 4.5° - enabling you to work efficiently, even in the tightest spaces
- with QuickRelease safety lock
- very slim and compact design for small torques from 1-20 N·m
- measurement independent of the point of force application
- units of measurement: N·m, cN·m, ft·lb, in·lb
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- results can be documented (with SensoMaster), evaluation of bolted joint by coloured LEDs, buzzer, and vibration
- supplied with 3.6 V lithium-metal battery, type 14500, packaged according to UN3091, Class 9
- adjustable joint parameters
- with 2-component handle
- in a sturdy plastic box
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**



Product no.	cN·m	N·m	in·lb	ft·lb	"	L mm	b mm	h mm	L <sub>F</sub> mm	g	g with box
96504502	100-2000	1-20	9-180	0.7-15	1/4	210	22.6	10	160	145	710
96504602 *	100-2000	1-20	9-180	0.7-15	1/4	210	22.6	10	160	132	700

\*version as 96504502, but without battery (not hazardous goods)



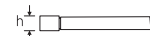
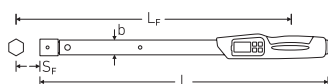
**Key features of torque wrenches**

Service/Series MANOSKOP® 730D/730DR

- patented electromechanical system
- acoustic and visual clicking
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- quick setup via a convenient keyboard
- extension length compensation function: automatic compensation of the tightening torque when a deviating extension length is entered
- overload protection by acoustic and optical warning signals
- accidental adjustment is not possible due to automatic key lock
- indicating mode even for counter-clockwise torques
- units of measurement: N·m, ft·lb, in·lb
- different tolerance limits adjustable depending on the type of bolted joint
- optical evaluation of the result by green and red display
- additional locking of the presets (function mode, target value, unit of measure, tolerances, extension length deviation) by PIN code
- stores up to 7,500 tightening results
- USB interface for data transfer
- automatic warning of the next calibration date
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- with 2-component handle
- supplied with 2 x 1.5 V AA batteries. NiMH batteries AA/LR6, 1.2 V, can be used
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 2%, ± 1 digit**

**730D****Electromechanical torque wrenches Service/Series MANOSKOP®**

- in sturdy plastic box (sizes 40-100 in steel box)



Product no.	Size	Setting/Indicating display resolution			mm	L mm	b mm	h mm	Lf mm	Sf mm	g	g with box			
		N-m	ft-lb	in-lb											
96501710	10	10-100	7.4-75	90-900	0.2/0.1	0.2/0.1	2/1.0	9 x 12	467	28	23	426.5	17.5	1085	1510
96501720	20	20-200	15-150	180-1800	0.5/0.1	0.5/0.1	5/1.0	14 x 18	548	28	23	515	25	1361	1896
96501740	40	40-400	30-300	360-3600	1.0/0.1	1.0/0.1	10/1.0	14 x 18	688	28	23	655	25	3300	5155
96501765 *	65	65-650	48-480	580-5800	1.0/0.1	1.0/0.1	10/1.0	14 x 18	870	30.6	25.6	837	25	3300	6000
96501965	II/65	65-650	48-480	580-5800	1.0/0.1	1.0/0.1	10/1.0	22 x 28	892	30.6	25.6	889	55	3224	7500
96502080	80	80-800	60-600	720-7200	1.0/1.0	1.0/1.0	10/1.0	22 x 28	1160	30.6	25.6	1157	55	4577	10500
96502100	100	100-1000	74-750	900-9000	1.0/1.0	1.0/1.0	10/1.0	22 x 28	1344	30.6	25.6	1341	55	4995	11000

\* recommended ratchet insert tool No. 735/40HD

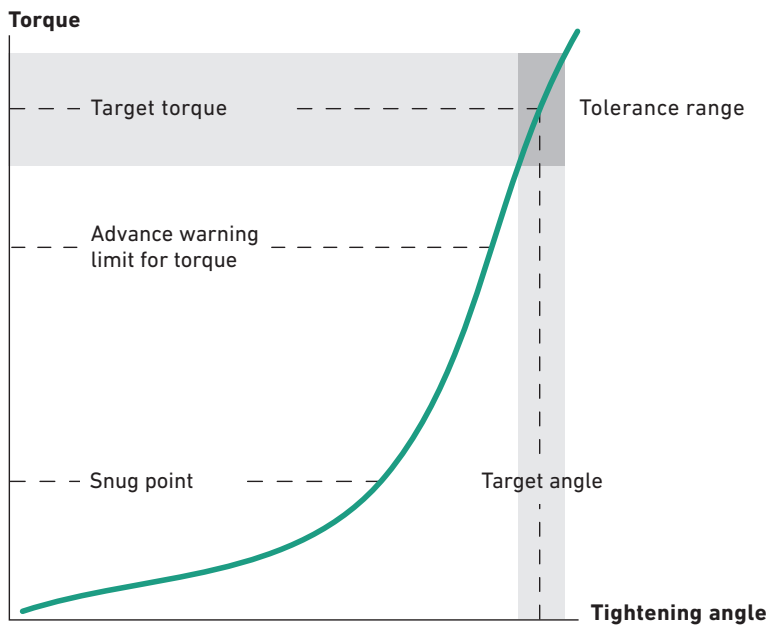
**730DR****Electromechanical torque wrenches Service/Series MANOSKOP®**

- includes reversible ratchet No. 735
- in sturdy plastic box (sizes 40-100 in steel box)

Product no.	Size	Setting/Indicating display resolution			"	mm	L mm	b mm	h mm	Number of teeth	g	g with box			
		N-m	ft-lb	in-lb											
96501810	10	10-100	7.4-75	90-900	0.2/0.1	0.2/0.1	2/1.0	1/2	9 x 12	501	95	74	60	1232	1657
96501820	20	20-200	15-150	180-1800	0.5/0.1	0.5/0.1	5/1.0	1/2	14 x 18	595	95	74	60	1663	2198
96501840	40	40-400	30-300	360-3600	1.0/0.1	1.0/0.1	10/1.0	3/8	14 x 18	738	83	70	60	2232	4722
96501865	65	65-650	48-480	580-5800	1.0/0.1	1.0/0.1	10/1.0	3/8	14 x 18	975	85	70	60	3767	6530
96502065	II/65	65-650	48-480	580-5800	1.0/0.1	1.0/0.1	10/1.0	3/8	22 x 28	977	140	100	60	3994	9000
96501880	80	80-800	60-600	720-7200	1.0/0.1	1.0/0.1	10/1.0	3/8	22 x 28	1255	120	90	30	6492	12500
96501800	100	100-1000	74-750	900-9000	1.0/0.1	1.0/0.1	10/1.0	3/8	22 x 28	1439	120	100	30	6910	12500

# FOR ABSOLUTE ACCURACY – STAHLWILLE angle-controlled torque wrenches.

For high-accuracy applications – Category A bolted connections, for example – just checking the torque is not enough. As well as the torque, it is crucial to tighten to the correct tightening angle. The torque reading specifies how much force was applied to tighten a fastener. For many applications, this is perfectly good enough. However, in certain cases, an additional measure of accuracy is an essential requirement. The tightening force that is generated between the workpieces in a bolted joint has to be exactly adhered to: if the force is too great, there is a risk of breakage. If it is too low, on the other hand, the connection will not be firm enough and may lead to failure in the assembly under normal operation conditions.



Since the tension is dependent on the tightening torque and the angle, measuring equipment that can measure both quantities precisely is required. For applications of this kind, STAHLWILLE has exactly the solutions industry needs.



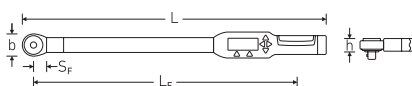
MANOSKOP® 714 | page 46

SENSOTORK® 713R | page 45

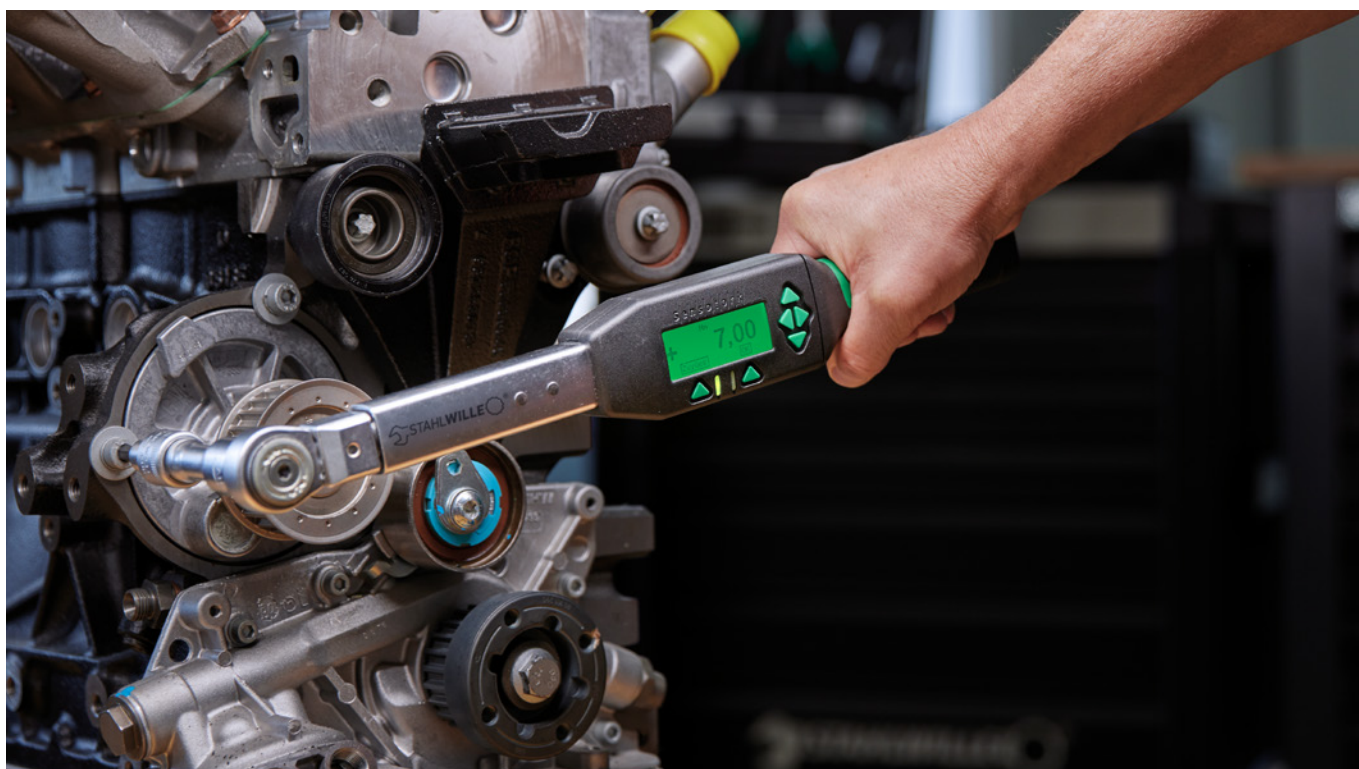
## 713R

**Electronic angle-controlled torque wrenches SENSOTORK®**

- simple and flexible operation thanks to menu guidance on the large display
- particularly broad measurement range (5-100 % of the nominal value)
- includes reversible ratchet No. 735
- with QuickRelease safety lock
- for clockwise and counter-clockwise tightening
- measurement independent of the point of force application
- convenient angle of rotation measurement with an extremely wide angle of rotation range
- units of measurement: N-m, ft-lb, in-lb
- prewarning threshold for visual, tactile and acoustic signals can be set
- multicoloured backlit LED display gives visual cue about the status of the process (traffic light principle)
- extension length compensation function: automatic compensation of the tightening torque when a deviating extension length is entered
- easy to maintain thanks to simple adjustment and automatic notification of the next calibration date
- multiple bolted joints can be combined into a menu-guided sequence
- tightening operations are saved with a date and time stamp
- individual identification designation possible
- password protection against unintentional adjustment and unauthorised access
- compliant with DKD-R 3-7, class 2
- with 2 calibration certificates (torque in accordance with DIN EN ISO 6789-2:2017/angle of rotation based on VDI/VDE 2648-2)
- in sturdy plastic box (size 40 in sturdy steel box)
- supplied with 2 x 1.5 V AA batteries. NiMH batteries AA/LR6, 1.2 V can also be used.
- fully automatic calibration (torque) with the perfectControl® calibration system No. 7794-2
- readjustment does not require disassembly
- torque and angle of rotation are visible at the same time
- **angle of rotation accuracy  $\pm 1^\circ$ ,  $\pm 1$  digit to  $100^\circ$ ,  $>100^\circ$  at least  $1\%$ ,  $\pm 1$  digit**
- **torque accuracy  $\pm 1\%$ ,  $\pm 1$  digit**



Product no.	Size	N-m	ft-lb		mm	L mm	b mm	h mm	L <sub>f</sub> mm	S <sub>f</sub> mm	Number of teeth	g	g with box
96501606	6	3-60	2.5-44	$\frac{3}{8}$	9 x 12	378	33	24	299	17.5	60	856	1500
96501620	20	10-200	7-148	$\frac{1}{2}$	14 x 18	608	43	26	524	25	60	1552	2430
96501640	40	20-400	15-296	$\frac{3}{4}$	14 x 18	838	50	31.5	750	25	60	2332	5555



## Torque technology

### Key features of angle-controlled torque wrenches

Service/Series MANOSKOP® 714/714R

- patented electromechanical system
- acoustic and visual clicking
- 4 measuring modes (torque, angle of rotation, torque with 'angle of rotation' monitoring variable, angle of rotation with 'torque' monitoring variable)
- high-resolution colour OLED display and side mounted signal lights
- 3 function modes: clicking, peak hold and track
- visual evaluation of the bolted joint: yellow light (pre-warning threshold reached), green light (within tolerance range), red light (outside tolerance range)
- freely configurable menu structure
- battery cap/battery pack with bayonet connection
- optional: Li-ion battery no. 7195-2 and charger no. 7160
- micro USB interface for data transmission
- optional Bluetooth Low Energy module (5.2)
- with QuickRelease safety lock
- interchangeable system for insert tools
- data storage for up to 2,500 tightening results, including date and time stamp
- up to 200 bolted joints in a maximum of 25 sequences can be programmed
- different tolerance limits adjustable depending on the type of bolted joint
- fast and precise setting via the keyboard
- password protected keypad lock
- acoustic and visual signals warn of torque wrench overload and forced clicking in clockwise tightening mode
- automatic indication of the next calibration date, user-configurable according to elapsed time and/or number of operations
- fully automatic calibration and adjustment with the perfectControl® calibration and adjustment systems No. 7794-2 (torque) or No. 7794-3 (torque and angle of rotation) for reducing error influencing factors or calibration system No. 7791
- units of measurement: N·m, ft·lb, in·lb
- extension length compensation function: automatic compensation of the tightening torque when a deviating extension length is entered
- ready for operation again immediately after release
- clockwise and counter-clockwise tightening - the insert tool must be turned over for counter-clockwise torque in 'clicking' function mode
- torque and angle of rotation displays visible simultaneously
- measurement regardless of the force application point (for sizes 1, 2 and 4)
- 3 certificates included (torque indicating/clicking in accordance with DIN EN ISO 6789-2:2017, angle of rotation based on VDI/VDE 2648-2)
- with 2-component handle
- supplied with USB cable, 4 batteries AAA/LR03, 1.5 V

## 714



714/2

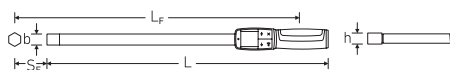


714/80



### Electromechanical angle-controlled torque wrenches MANOSKOP®

- in sturdy plastic box (sizes 40-100 in steel box)
- registered design, patented
- **angle of rotation display resolution 0.1°**
- **angle of rotation accuracy ± 1°, ± 1 digit to 100°, >100° at least 1%, ± 1 digit**
- **torque display resolution ≤ 60 N·m: 0.01 N·m; > 60 N·m: 0.1 N·m; >400 N·m: 1 N·m**
- **torque accuracy ± 2%, ± 1 digit**



Product no.	Size	N·m	ft·lb	in·lb	mm	L mm	b mm	h mm	L <sub>F</sub> mm	S <sub>F</sub> mm	g	g with box
96500901	1	1-10	0.7-7.5	9-90	9 x 12	226	28	23	188	17.5	370	795
96500902	2	2-20	1.5-15	18-180	9 x 12	226	28	23	188	17.5	380	805
96500904	4	4-40	3-30	36-360	9 x 12	252	28	23	214	17.5	420	845
96500906	6	6-60	4.5-45	54-540	9 x 12	393	28	23	355	17.5	810	1235
96500910	10	10-100	7.4-75	90-900	9 x 12	466	28	23	428	17.5	1085	1655
96500920	20	20-200	15-150	180-1800	14 x 18	547	28	23	516	25	1361	1896
96500940	40	40-400	30-300	360-3600	14 x 18	687	28	23	656	25	1765	5155
96500965	65	65-650	48-480	580-5800	22 x 28	890	30.6	25.6	890	55	3222	7000
96500980	80	80-800	60-600	720-7200	22 x 28	1158	30.6	25.6	1158	55	4572	10400
96500100	100	100-1000	74-750	900-9000	22 x 28	1343	30.6	25.6	1343	55	4990	10500



# 714R



714R/2



714R/80



**Electromechanical angle-controlled torque wrenches MANOSKOP®**

- with ratchet insert tool
- in sturdy plastic box (sizes 40-100 in steel box)
- angle of rotation display resolution 0.1°
- angle of rotation accuracy ± 1°, ± 1 digit to 100°, >100° at least 1%, ± 1 digit
- torque display resolution ≤ 60 N·m: 0.01 N·m; > 60 N·m: 0.1 N·m; >400 N·m: 1 N·m
- torque accuracy ± 2%, ± 1 digit

Product no.	Size	N-m	ft-lb	in-lb	"	mm	L mm	b mm	h mm	Number of teeth	g	g with box
96501001	1	1-10	0.7-7.5	9-90	1/4	9 x 12	269	80	70	22	432	857
96501002	2	2-20	1.5-15	18-180	1/4	9 x 12	269	80	70	22	442	867
96501004	4	4-40	3-30	36-360	1/4	9 x 12	295	80	70	22	482	907
96501006	6	6-60	4.5-45	54-540	3/8	9 x 12	427	80	70	60	965	1390
96501010	10	10-100	7.4-75	90-900	1/2	9 x 12	500	80	70	60	1232	1657
96501020	20	20-200	15-150	180-1800	1/2	14 x 18	594	80	70	60	1663	2198
96501040	40	40-400	30-300	360-3600	3/4	14 x 18	737	95	68	60	2275	5665
96501065	65	65-650	48-480	580-5800	3/4	22 x 28	980	125	95	60	5137	9000
96501080	80	80-800	60-600	720-7200	3/4	22 x 28	1253	130	95	30	6487	12300
96501100	100	100-1000	73-735	885-8850	3/4	22 x 28	1438	130	100	30	6905	12500



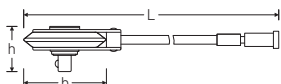
## Torque technology

### 7380N/7385N



#### Angle gauges

- for angle of rotation controlled screw tightening, with static read-off point
- reliable reading from any angle through 2 tapered scales
- with detachable magnet for attaching a 1/2" square drive socket
- to be used in conjunction with a tightening tool, e.g. Service MANOSKOP® No. 730N
- the choice of angle gauge disc - with 1/2" or 3/4" square - depends on the size of the square drive of the tightening tool used



Product no.	Model				L mm	b mm	h mm	$\Delta$ g
54010001	7380N	2°	1/2"	1/2"	416	78	43	505
54010002	7385N	2°	3/4"	3/4"	416	78	76	720

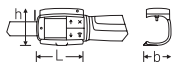
## ACCESSORIES FOR TORQUE TOOLS.

### BLE-MODUL 714



#### Bluetooth Low Energy module 714

- module for connecting to torque wrenches
- wireless transmission of bolted joint data to the PC
- seamless integration with the STAHLWILLE SensoMaster 4 software
- establish and manage the connection using the free middleware 'BluetoothMaster'



Product no.	for model	L mm	b mm	h mm	$\Delta$ g
52110220	714	68	38	58	60

### Li-Ion AA 3,7V / 800mAh



#### Lithium-ion battery

- standard Li-ion battery, 800 mAh and 3.7 V
- hazardous goods: Lithium-ion battery according to UN 3481, Class 9

Product no.	for model	Voltage	$\Delta$ g
59220007	701/2	3.7 V	24

### 7162



#### Charger Lithium 2

- versatile charger for AA and AAA battery types
- powered by micro USB cable
- LEDs show the operating and charging status
- contains: charger, USB cable

Product no.	for model	Input voltage	Output voltage	$\Delta$ g
54100062	701, TORSIOTRONIC®	4.75-5.25 V	3.7 V	75

### 7195-2



#### Li-Ion battery for No. 714

- max. charging voltage 4.2 V
- capacity: 2.600 mAh
- hazardous goods: Lithium-ion battery according to UN 3481, Class 9

Product no.	for model	Voltage	$\Delta$ g
54101195	714	4.2 V	74

## 7160

**Charging dock for Li-Ion battery No. 7195-2**

- incl. power adaptor
- input: 100-240 V AC
- output: 4.2 V DC
- charging time: 4 hours
- with interchangeable power outlet adaptors

Product no.	Output voltage	g
54100060	4.2 V	440

## 7761

**Interface adaptor**

- required for automatic calibration and adjustment of the electronic/electromechanical torque and angle-controlled torque wrenches with micro USB interface and with the calibration and adjustment systems perfectControl® No. 7794-2, 7794-3

Product no.	g
52110061	26

## 7761/3

**Interface adaptor set**

- required for automatic calibration and adjustment of the electronic/electromechanical torque and angle-controlled torque wrenches with micro USB interface and with the calibration and adjustment systems perfectControl® No. 7794-2, 7794-3

**Contains 3-pieces:**1 interface adaptor **No. 7761**1 jack-push/pull cable **No. 7752**

1 power supply unit with interchangeable power outlet adaptors

**No. 7760**

Product no.	Content pcs.	g
96521161	3	255

## 7751

**Jack cable**

- with 3.5 mm jack plug at each end
- angled 90°

Product no.	for model	L m	g
52110051	7721, 7722, 7723, 7724, 7757-1, 7707 W	1.5	50

## 7751-1

**Jack-push/pull cable**

- connection between laboratory transducers No. 7728 and USB adaptor or display device.
- with jack plug angled at 90° and push/pull connector

Product no.	for model	L m	g
52110054	7728	1.5	38

## 7751-3

**Jack-push/pull cable, short**

- with jack plug angled at 90° and push/pull connector

Product no.	for model	L m	g
52110058	7728	0.25	18

**Torque technology**

## 7752



**Jack cable**

- connection between the transducer and the display device or USB adaptor
- with jack plugs, angled by 90° on one side

Product no.	for model	L m	△ g
52110052	7721,7722,7723,7724, 7757-1,7707 W	2	35

## 7760

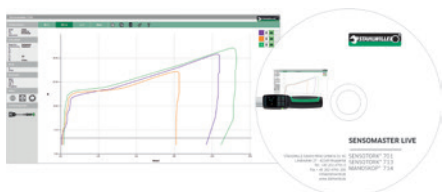


**Power supply**

- regulated switching power supply AC/DC power supply AC adaptor
- input: 110-240 V AC
- output: 9 V DC
- with interchangeable power outlet adaptors

Product no.	for model	Input voltage	△ g
52110056	7750	110-230 V	201

## 7732-2



**SensoMaster software license**

- recording of screw tightening with the MANOSKOP® 714, SENSOTORK® 713R (from firmware 4.X), SENSOTORK® 701 and TORSIOTRONIC®
- representation of torque over time, angle of rotation over time, torque over angle of rotation
- displays multiple curves at the same time
- export data for further processing
- single-user licence

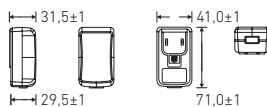
Product no.	for model	△ g
96585235	714, 713R, SENSOTORK® 701, TORSIOTRONIC®	111

## 7763



**USB power supply**

- regulated switching power supply AC/DC power supply AC adaptor
- input voltage 100-240 V, 50-60 Hz
- max. input current 0.3 A
- max. output power 10 watts
- output voltage: 5-5.2 V
- efficiency: USA DOE Level VI / Ecodesign Directive 2009/125/EC, (EU) 2019/1782
- protection against water penetration when used indoors



Product no.	for model	Input voltage	Output voltage	△ g
52110063	SmartCheck; 7162	100-240 V	5-5.2 V	108

## 7757-1



**USB adaptor**

- USB Type-A adaptor to Ø 3.5 mm jack socket

Product no.	△ g
52111057	10

**TorkMaster**

Simple, professional calibration.

- adjustment of torque wrenches and torque screwdrivers, calibration according to recognised standards and the creation of declarations of conformity and calibration certificates in accordance with DIN EN ISO 6789, the STAHLWILLE TorkMaster software enables all of this
- with maximum safety and minimum effort for the user.
- all data is automatically stored securely, and the calibration is fully documented
- the optional CAQ interface enables connection to your primary CAQ system, which thus has access to all test data at all times

**7759-4****USB adaptor, jack cable and TorkMaster software**

Connection between perfectControl® or the transducer (No. 7721-7724) and the PC. For adjustment and calibration of torque wrenches and torque screwdrivers. For creating calibration certificates according to DIN EN ISO 6789. These can be printed or saved as a PDF file.

- 'as found' and 'as left' calibrations can be documented
- graphical display of loading curves
- user management
- 17 languages
- test resource manager

**System requirements:** PC, Microsoft Windows operating system, USB port

Product no.	L m	g
96583629	1.5	65

**7759-5****USB adaptor, jack cable and SensoMaster 4 software**

- SensoMaster 4 software for electronic and electromechanical STAHLWILLE torque wrenches
- intuitive user interface with a clear tabular structure
- quick and easy programming of electronic and electromechanical torque wrenches
- enables extensive evaluations, such as those used in quality assurance
- read out saved wrench data and saved bolted joints: screw connection identification number, tool serial number, date, and time of tightening, set point torque or set point angle of rotation, target torque, tightening torque or angle of rotation reached, tolerances, bolted joint evaluation
- save the bolted joints to a database
- delete and print selected bolted joints from the database
- export the displayed bolted joints to different formats
- user management
- change PIN
- delete bolted joints stored in the wrench

**System requirements:** PC, Microsoft Windows operating system, USB port

Product no.	L m	g
96583630	1.5	65

**7759-6****USB adaptor, jack-push/pull cable and TorkMaster software**

Connection between perfectControl® or the laboratory transducer (No. 7728) and the PC. For adjustment and calibration of torque wrenches and torque screwdrivers. For creating calibration certificates according to DIN EN ISO 6789. These can be printed or saved as a PDF file.

- 'as found' and 'as left' calibrations can be documented
- graphical display of loading curves
- user management
- 17 languages
- test resource manager

**System requirements:** PC, Microsoft Windows operating system, USB port

Product no.	L m	g
96583631	1.5	72

## 7750



### Display

- to display the torque
- units of measurement: N·m, ft·lb, in·lb
- modes: Track, Peak Hold, First Peak (for hand tightening only)
- with backlighting for better display of readings
- display of both the first-peak and peak torque on clicking torque wrenches
- can be swivelled to any position via ball joint

Product no.	for model	⚖ g
52100050	7707, 7721, 7722, 7723, 7724, 7728	182

## MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 7161



### QuickRelease safety locks

- prevents removal of the insert tools
- is locked with a safety screw on the head of the torque wrench
- after assembly, the insert tool can be inserted but not removed
- interchangeable insert tools can be used again after loosening the safety screw
- a TORX® screwdriver with hole in the tip (No. 4656, T20, product no. 46563020) or a screwdriver bit with hole in the tip (No. 1442, T20, product no. 08160020) can be used to operate the safety screw
- for other torque wrenches on request

Product no.	Size	for model	L mm	⚖ g
54100070	1	714/1-4	26	4
54100071	2	712R/6; 713R/6; 714/6-10; 730/10 Quick; 730/10 Fix; 730N/10; 730D/10	27	5
54100072	3	713R/20-40; 714/20-40; 730/12-40 Quick; 730/12-40 Fix; 730N/12-40; 730D/20-40	35	11
54100073	4	730/5 Quick; 730/5 Fix; 730N/5	32	2
54100074	5	714/65-100; 730II/65; 730III/65 Quick; 730II/65 Fix; 730/80-100 Fix; 730NII/65; 730N/80-100; 730DII/65; 730D/80-100	50	30

## 1299



### Screwdriver bit

- for hex socket screws
- to operate the adjustment screws on torque wrenches No. 720, 721, 721 Quick, 730, 730 Quick, 730N, 730 Fix
- hex head DIN 3126 / ISO 1173

Product no.	⚖ g	L mm	⚖ g
08090002	1/4	34	4

## 7301/7302



### Plastic boxes, empty

- for safe storage and transport of torque wrenches
- matching foam inserts are available separately
- with practical carrying handle
- made of robust plastic, resistant to most common oils, greases and fuels

Product no.	for model	L mm	W mm	H mm	⚖ g
81370002	712R/6; 713R/6; 714/1-10; 721/5-20 Quick; 730/5-20 Quick; 730/5-20 Fix; 730N/5-20; 730D/10	550	81	66	425
	713R/20; 714/20; 721/30 Quick; 730/40 Quick; 730/40 Fix; 730N/40; 730D/20	680	81	66	535

## 7303/7304

### Inserts for plastic boxes

- precisely fitting foam inserts for safe transport and storage of torque wrenches

Product no.	for model	L mm	W mm	H mm	⚖ g
83071004	721/5-20 Quick; 730/5-20 Quick; 730/5-20 Fix; 730N/5-20; 730D/10	545	60	48	60
83071002	713R/20; 721/30 Quick; 730/40 Quick; 730/40 Fix; 730N/40; 730D/20	675	55	75	81

## 7311/7312



### Plastic boxes, empty

- for safe storage and transport of transducers
- supplied without inlay, foam inlays are available separately
- with practical carrying handle
- made of robust plastic, resistant to most common oils, greases, and fuels

Product no.	for model	L mm	W mm	H mm	⚖ g
81500003	7721; 7722; 7723; 7728 1-20	291	100	252	554
	7724-1; 7728 40-100	390	147	310	1346

## 7313/7314

### Inserts for plastic boxes

- precisely fitting foam inserts for safe transport and storage of transducers

Product no.	for model	L mm	W mm	H mm	⚖ g
83071030	7721; 7722; 7723; 7728 1-20	275	207	70	77
	7724-1; 7728 40-100	360	250	105	242

## TWBE



### Textile cases for large torque wrenches

- to safely store and transport large torque wrenches

Product no.	Model	for model	L mm	W mm	H mm	⚖ g
81231100	TWBE 65	714/65; 730/65 Quick; 730II/65 Quick; 730N/65; 730NII/65; 730/65 Fix; 730II/65 Fix; 730D/65; 730DII/65	1030	90	50	670
		714/80; 71/80; 71aR/80; 720Nf/80; 721Nf/80; 730/80; 730D/80	1150	90	50	714
81231102	TWBE 100	714/100; 730N/80; 730/80 Fix; 730N/100; 730D/100	1500	90	50	760
81231103	TWBE 721NF/100	721Nf/100	900	140	50	850

TOOLS THAT  
... inspire

## TORQUE TOOL SETS.

### TORSIOTRONIC® 10/29



#### Torque screwdriver sets

##### Key features of torque screwdriver TORSIOTRONIC®

- electromechanical, indicating and clicking type
- for clockwise and counter-clockwise tightening
- visual, acoustic, and haptic stop signal
- with 1/4" external square drive (6.3 DIN 3120/ISO 1174-1) and integrated ratchet function with 80 teeth, ratchet angle of 4.5°, for 1/4" sockets
- after triggering, the clutch mechanism prevents unintended overshooting of the set tightening torque and overtightening of the screw is not possible
- bright and energy-efficient OLED - colour display readable from virtually any angle
- optical evaluation of the applied torque by traffic light colours on the display and side mounted LEDs
- supported languages: DE, EN, IT, FR, ES
- stores up to 2,500 joint and sequence results, for transfer to the PC via an integrated micro-USB interface
- tolerances for evaluation purposes can be set individually
- short training time thanks to intuitive controls and an easy-to-understand menu structure
- three operating modes (Click, Track, Peak-Hold)
- bolted joints and sequences can be programmed
- with a 1/4" inner square at the end of the handle (6.3 DIN 3120/ISO 1174-1) for accommodating a 1/4" T-handle
- units of measurement: cN-m, N-m, ft-lb, in-lb, in-oz
- the GEN3 version can charge the installed battery via the micro-USB cable
- long battery life with battery-saving standby mode
- the batteries are quick and easy to change
- supplied with 3.6 V lithium battery, type 18650, packaged according to UN 3481
- with 2-component handle
- patented
- in a sturdy plastic box
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

##### Contains:

- 1 electromechanical torque screwdriver 1/4" **No. TORSIOTRONIC® 10**: measurement range: 100-1,000 cN-m
- 8 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10 mm
- 3 bits PHILLIPS® 1/4" **No. PH 1221-1223**: PH1; PH2; PH3
- 3 bits POZIDRIV® 1/4" **No. PZ 1221-1223**: PZ1; PZ2; PZ3
- 4 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6 mm
- 5 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T9; T10; T15; T20
- 5 screwdriver sockets TORX® with hole 1/4" **No. 44 KTXB**: T8; T9; T10; T15; T20

1 bit holder 1/4" **No. 412**

+ sturdy plastic box, SensoMaster 4, USB cable, T-handle (size 10), battery 3.6 V, type 18650, packed in accordance with UN 3481

Product no.	L mm	W mm	H mm	Content pcs.	⊕ g
96510000	420	227	70	29	2000
96510001 <sup>1</sup>	420	227	70	28	2000

<sup>1</sup> 96510001 - version as 96510000, but without battery (**not hazardous goods**)

### 701/32/1



#### Torque tool sets with SENSOTORK®

##### Key features of torque wrench No. 701/2

- indicating type
- with permanently installed fine-tooth ratchet
- 80 teeth allow for a working angle of just 4.5° - enabling you to work efficiently, even in the tightest spaces
- with QuickRelease safety lock
- very slim and compact design for small torques from 1-20 N-m
- measurement independent of the point of force application
- units of measurement: N-m, cN-m, ft-lb, in-lb
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- results can be documented (with SensoMaster), evaluation of bolted joint by coloured LEDs, buzzer, and vibration
- supplied with 3.6 V lithium-metal battery, type 14500, packaged according to UN3091, Class 9
- adjustable joint parameters
- with 2-component handle
- in a sturdy plastic box
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

##### Contains 32-pieces:

- 1 torque wrench 1/4" **No. 701/2**: measurement range: 1-20 N-m
- 11 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 1 QuickRelease extension 1/4" **No. 405QR**: L. 54 mm
- 1 bit holder 1/4" **No. 412**
- 3 bits PHILLIPS® 1/4" **No. PH 1221-1223**: PH1; PH2; PH3
- 3 bits POZIDRIV® 1/4" **No. PZ 1221-1223**: PZ1; PZ2; PZ3
- 4 bits hex 1/4" **No. 1301-1304**: 4; 5; 6; 8 mm
- 7 bits TORX® 1/4" **No. 1414-1420**: T10; T15; T20; T25; T27; T30; T40
- 1 USB cable **No. 7754**

Product no.	L mm	W mm	H mm	Content pcs.	⊕ g
96090005	320	135	55	32	923
96090006 <sup>1</sup>	320	135	55	32	923

<sup>1</sup> 96090006 - version as 96090005, but without battery (**not hazardous goods**)

## Rad-Set 701



### Bicycle tool set

- high quality bicycle tools for standard screw profiles: hex socket, hex and TORX®
- mobile bicycle service kit in practical textile bag with STAHLWILLE logo, for easy and secure attachment to the frame

### Key features of torque wrench No. 701/2

- indicating type
- with permanently installed fine-tooth ratchet
- 80 teeth allow for a working angle of just 4.5° - enabling you to work efficiently, even in the tightest spaces
- with QuickRelease safety lock
- very slim and compact design for small torques from 1-20 N·m
- measurement independent of the point of force application
- units of measurement: N·m, cN·m, ft·lb, in·lb
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- results can be documented (with SensoMaster), evaluation of bolted joint by coloured LEDs, buzzer, and vibration
- supplied with 3.6 V lithium-metal battery, type 14500, packaged according to UN3091, Class 9
- adjustable joint parameters
- with 2-component handle
- in a sturdy plastic box
- calibration certificate in accordance with DIN EN ISO 6789-2:2017

— accuracy ± 4%

### Contains 18-pieces:

- 1 torque wrench 1/4" **No. 701/2**: measurement range: 1-20 N·m
- 1 USB cable **No. 7754**
- 3 double open-ended spanners **No. 12**: 6 x 6; 7 x 7; 10 x 10 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 5 screwdriver sockets TORX® 1/4" **No. 44KTX**: T10; T15; T20; T25; T27
- 1 mini QuickRelease fine-tooth ratchet 1/4" **No. 418QR**: L. 90 mm
- 1 QuickRelease extension 1/4" **No. 405QR**: L. 54 mm
- 1 mini water pump pliers **No 6515**: L. 125 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96500001	230	102	40	18	692

## Rad-Set 730/2



### Bicycle tool set

- high quality bicycle tools for standard screw profiles: hex socket, hex and TORX®
- mobile bicycle service kit in practical textile bag with STAHLWILLE logo, for easy and secure attachment to the frame

### Key features of torque wrench No. 730/2 Quick

- clicking type with dual stop signal
- no reset to '0' required
- the measuring element is only under load when a force is applied.
- mount for interchangeable insert tools
- with QuickRelease safety lock
- non-slip adjuster with thumb recess for quick torque adjustment
- fine, tapered pointers
- counter-clockwise tightening by turning the insert tool over
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measurement range of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 external adjustment screws
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017

— accuracy ± 4%

### Contains 18-pieces:

- 1 torque wrench MANOSKOP® **No. 730/2 QUICK**: measurement range: 4-20 N·m
- 1 QuickRelease ratchet insert tool 1/4" **No. 735/4**: 60 teeth
- 3 double open-ended spanners **No. 12**: 6 x 6; 7 x 7; 10 x 10 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 5 screwdriver sockets TORX® 1/4" **No. 44KTX**: T10; T15; T20; T25; T27
- 1 mini QuickRelease fine-tooth ratchet 1/4" **No. 418QR**: L. 90 mm
- 1 QuickRelease extension 1/4" **No. 405QR**: L. 54 mm
- 1 mini water pump pliers **No 6515**: L. 125 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96500002	230	102	40	18	692

## 721QR/20/3/1 Quick



### Wheel change set

- high-quality tool set specially designed for wheel changes
- in a sturdy plastic box

### Key features of torque wrench No. 721QR/20 Quick

- clicking type with dual stop signal
- quick adjustment thanks to easy-to-operate locking lever in handle
- with permanently installed QuickRelease ratchet
- 36 teeth
- with QuickRelease safety lock
- no reset to '0' required
- the measuring element is only under load when a force is applied
- dual scale N·m/ft·lb
- non-slip adjuster with thumb recess for quick torque adjustment
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measurement range of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 external adjustment screws
- for controlled clockwise tightening
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

### Contains 5-pieces:

1 torque wrench standard MANOSKOP® with QuickRelease ratchet 1/2" **No. 721QR/20 Quick**: measurement range: 40-200 N·m; 30-150 ft·lb

3 IMPACT wheel nut sockets with hex 1/2" **No. 51IMP K**: 17 mm (green); 19 mm (blue); 21 mm (red)

1 QuickRelease extension 1/2" **No. 509QR**: L. 130 mm

Product no.	L mm	W mm	H mm	Content pcs.	±g
96507214	550	81	66	5	2818

## 750NR/200/3/1



### Wheel change set

- high-quality tool set specially designed for wheel changes
- in a sturdy plastic box

### Key features of torque wrench No. 750NR/200

- clicking type with dual stop signal
- with permanently installed, reversible fine-tooth ratchet
- 60 teeth
- resilient, long-lasting spring mechanism
- fast, precise adjustment with QuickSelect quick adjustment
- for controlled clockwise tightening
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measurement range of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- fixing of the specified torque via a detent
- dual scale N·m/ft·lb
- ready for operation again immediately after release
- for maximum measuring accuracy and a long service life, it is recommended to reset the torque wrench to '0' after use
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

### Contains 5-pieces:

1 torque wrench with fine-tooth ratchet 1/2" **No. 750NR/200**: measurement range: 40-200 N·m; 30-145 ft·lb

3 IMPACT wheel nut sockets with hex 1/2" **No. 51IMP K**: 17 mm (green); 19 mm (blue); 21 mm (red)

1 extension 1/2" **No. 509/5**: L. 130 mm

Product no.	L mm	W mm	H mm	Content pcs.	±g
96507216	680	81	66	5	2940

TOOLS THAT  
... inspire

## 730R/40/32 Quick



### Torque wrench set

- for general maintenance work
- in steel case

### Key features of torque wrench No. 730/40 Quick

- clicking type with dual stop signal
- no reset to '0' required, as the measuring element is only under load when a force is applied
- mount for interchangeable insert tools
- with QuickRelease safety lock
- Quick adjustment thanks to easy-to-operate locking lever in handle
- non-slip adjuster with thumb recess for quick torque adjustment
- double scale N·m/ft·lb or N·m/in·lb
- also available on request as a N·m only version without dual scale
- counter-clockwise tightening by turning the insert tools over
- clicking mechanism insensitive to continuous loads and counter-loads (up to the max. measurement range of the torque wrench)
- optimal calibration with perfectControl® calibration systems No. 7794 or calibration systems No. 7706, 7791
- easy adjustment without disassembly via 2 external adjustment screws
- with 2-component handle
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy ± 4%**

### Contains 32-pieces:

- 1 torque wrench Service MANOSKOP® No. 730R/40 Quick: measurement range: 80-400 N·m
- 1 ratchet insert tool, reversible 1/2" No. 735/20: 60 teeth
- 1 square drive insert tool 1/2" No. 734/20
- 7 open-ended insert tools No. 731/40: 13; 15; 17; 19; 22; 27; 30 mm
- 1 open-ended insert tool No. 3731/40: 24 mm
- 7 ring insert tools No. 732/40: 13; 15; 17; 19; 22; 24; 27 mm
- 10 sockets with bi-hex 1/2" No. 50: 13; 14; 15; 17; 19; 22; 24; 27; 30; 32 mm
- 1 T-handle 1/2" No. 506: L 300 mm
- 3 extensions 1/2" No. 509: L. 55; 130; 255 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96502053	640	240	60	32	9739



# ACHIEVE THE CORRECT TIGHTENING TORQUE – even when using insert tools with an extended length.

When you tighten fasteners using inserts whose extension length  $S$  deviates from the standard length  $S_F$ , it is necessary to recalculate the setting/display value for the torque wrench in use.

**Caution!** If adaptors are combined with inserts or special tools, use the sum of the extensions =  $\Sigma S$ . Where the special tool is angled to the side, adjusted reading or setting value  $W_K$  will have to be determined empirically.

$$W_K = \frac{M_A \cdot L_F}{L_K} \left[ \frac{\text{N} \cdot \text{m} \cdot \text{mm}}{\text{mm}} \right]$$

$$W_K = \frac{M_A \cdot L_F}{L_F - S_F + S \text{ (bzw. } \Sigma S)}$$

$M_A$  = Desired tightening torque

$W$  = Reading/setting  $W = M_A$

$W_K$  = Adjusted reading or setting value  $W_K \neq M_A$

$L_F$  = Functional length (see dimension table for torque wrenches)

$L_K$  = Adjusted functional length  
 $L_K = L_F - S_F + S$  (or  $\Sigma S$ )

$S$  = Extension of STAHLWILLE inserts or special tools (see dimension table for inserts)

$S_F$  = Standard extension (see dimension table for torque wrenches)

$\Sigma S$  = Total of all extensions of the attached inserts  
 $S_{\text{adaptor}} + S_{\text{insert}} + \dots$

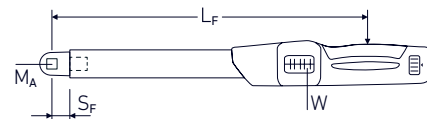


**Normal situation**

Torque wrench No 730N/10 combined with square drive insert tool No 734/5 and socket size 13 mm

**Required tightening torque for the screw  $M_A = 40 \text{ N-m}$**

Dimension table for torque wrenches:  $S_F = 17.5 \text{ mm}, L_F = 336 \text{ mm}$   
 Dimension table for square drive insert tools:  $S = 17.5 \text{ mm}$



No adjustment to setting value required on torque wrench.  $\rightarrow S = S_F$   
 $\rightarrow W = M_A$

**Example 1: adjusted setting value (1 insert tool)**

Torque wrench No 730N/20 combined with ring insert tool No 732/40 size 36 mm

**Required tightening torque for the screw  $M_A = 190 \text{ N-m}$**

Dimension table for torque wrenches:  $S_F = 25 \text{ mm}, L_F = 424.5 \text{ mm}$   
 Dimension table for ring insert tools:  $S = 28 \text{ mm}$

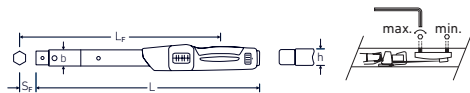
And this is what it looks like in the catalogue:

**730N**



**Service MANOSKOP® torque wrench**

- dual scale N-m/in-lb
- with holder for interchangeable insert tools
- with QuickRelease safety lock
- counter-clockwise tightening by turning the insert tools over
- accuracy  $\pm 4$



Product no.	Size	N-m	in-lb	N-m	in-lb	fine scale	mm	$L_F$ mm	$S_F$ mm
50181005	5	10-50	7-37	5	1	0,25 N-m	9 x 12	280,5	17,5
50181010	10	20-100	15-75	10	2,5	0,5 N-m	9 x 12	336	17,5
50181012	12	25-130	20-95	10	2,5	0,5 N-m	14 x 18	379	25
50181020	20	40-200	30-150	10	5	1 N-m	14 x 18	424,5	25
50181040	40	80-400	60-300	20	10	2 N-m	14 x 18	564,5	25
50181065 *	65	130-650	100-480	50	20	2,5 N-m	14 x 18	848	25
50181365	III/65	130-650	100-480	50	20	2,5 N-m	22 x 28	900	55
50181080	80	160-800	120-600	100	25	5 N-m	22 x 28	1167	55
50181100	100	200-1000	150-750	100	25	5 N-m	22 x 28	1352	55

$$W_k = \frac{M_A \cdot L_F}{L_F - S_F + S} = \frac{190 \text{ N-m} \cdot 424,5 \text{ mm}}{424,5 \text{ mm} - 25 \text{ mm} + 28 \text{ mm}} = \frac{190 \text{ N-m} \cdot 424,5 \text{ mm}}{427,5 \text{ mm}} = 188,7 \text{ N-m}$$

**732/40**



Product no.	$\varnothing$ mm	mm	b mm	h mm	S mm
58224013	13	14 x 18	22,5	11	25
58224014	14	14 x 18	23	11	25
58224015	15	14 x 18	24	11	25
58224016	16	14 x 18	25,5	12	25
58224017	17	14 x 18	27	12	25
58224018	18	14 x 18	29	13	25
58224019	19	14 x 18	30,5	13	25
58224021	21	14 x 18	33	15	25
58224022	22	14 x 18	34,5	15	25
58224024	24	14 x 18	37,5	15	25
58224027	27	14 x 18	42,5	17	25
58224028	28	14 x 18	45,5	19	25
58224030	30	14 x 18	46	19	25
58224032	32	14 x 18	47,5	19	25
58224034 *	34	14 x 18	52	19	28
58224036 *	36	14 x 18	54	19	28
58224041 *	41	14 x 18	60	20	30

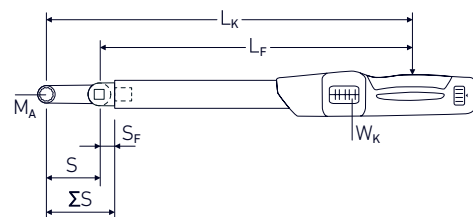
Adjusted setting value  $W_k = 188.7 \text{ N-m}$   
 $\rightarrow$  value to set 189 N-m  $\rightarrow S \neq S_F$   
 $\rightarrow W \neq M_A$

**Example 2: adjusted reading (insert tool and adaptor)**

Torque wrench No 730N/10 combined with square drive insert tool No 734/5 and adaptor No 447 size 10 mm

**Required tightening torque for the screw  $M_A = 25 \text{ N-m}$**

Dimension table for torque wrenches:  $L_F = 336 \text{ mm}, S_F = 17.5 \text{ mm}$   
 Dimension table for square drive insert tools:  $S_F = 17.5 \text{ mm}$   
 Dimension table for adaptors:  $\Sigma S = 50.8 \text{ mm}$



$$W_k = \frac{M_A \cdot L_F}{L_F - S_F + \Sigma S} = \frac{25 \text{ N-m} \cdot 336 \text{ mm}}{336 \text{ mm} - 17.5 \text{ mm} + 17.5 \text{ mm} + 50.8 \text{ mm}} = \frac{25 \text{ N-m} \cdot 336 \text{ mm}}{386.8 \text{ mm}}$$

Adjusted setting value  $W_k = 21.7 \text{ N-m}$   
 $\rightarrow \Sigma S \neq S_F$   
 $\rightarrow W \neq M_A$

## INSERT TOOLS.

### Insert tools for torque wrenches

#### General information

- external square drives ■ according to DIN 3120
- load capacities on external square drives in accordance with DIN EN ISO 6789
- if larger torque wrenches and tool holders are used, this must not be exceeded

## 725QR



### QuickRelease ratchet insert tools

- for torque wrenches with interchangeable insert system
- reversible
- with QuickRelease safety lock
- size 4: 22 teeth
- sizes 5 and 10: 30 teeth



Product no.	Size	■	mm	b mm	h mm	S mm	°	max. N·m	△△ g
58253004	4	1/4	9 x 12	22	13.8	17.5	16.4	40	50
58253005 *	5	3/8	9 x 12	29	18	28	12	100	130
58253010 *	10	1/2	9 x 12	29	18	28	12	100	141

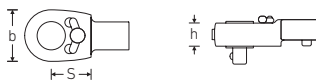
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 725B



### Bit ratchet insert tools

- for torque wrenches with interchangeable insert system
- reversible
- with internal hex, 1/4" or 5/16", DIN 3126 / ISO 1173 D 6.3 or D8
- for direct mounting of bits with 1/4" or 5/16" external hex C 6.3 or C 8 (size 4: 22 teeth, size 5: 30 teeth)
- hex with collar-thrust spring
- bits are easy to insert, lock securely into place, and can be easily pulled out again; also hex with wide groove (Form E, DIN 3126 / ISO 1173)



Product no.	Size	mm	b mm	h mm	S mm	°	△△ g
58255004	4	9 x 12	22	13.6	17.5	16.4	54
58255005 *	5	9 x 12	29	17.9	28	12	117

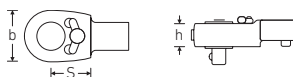
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 725/4



### Ratchet insert tool

- for torque wrenches with interchangeable insert system
- reversible
- 22 teeth



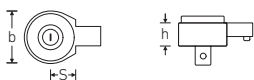
Product no.	■	mm	b mm	h mm	S mm	°	max. N·m	△△ g
58254004	1/4	9 x 12	22	13.8	17.5	16.4	40	62



## 735

**Fine-tooth ratchet insert tools**

- for torque wrenches with interchangeable insert system
- reversible (also available as a clockwise-only ratchet on request)
- 60 teeth

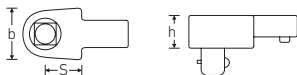


Product no.	Size	■ "	🔧 mm	b mm	h mm	S mm	∠ °	max. N·m	⚖ g
58250004	4	1/4	9 x 12	24	19	17.5	6	42	82
58250005	5	3/8	9 x 12	33	24	17.5	6	100	150
58250010	10	1/2	9 x 12	33	24	17.5	6	100	147

## 734

**Square drive insert tools**

- for torque wrenches with interchangeable insert system
- with secured square drive

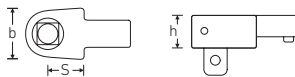


Product no.	Size	■ "	🔧 mm	b mm	h mm	S mm	max. N·m	⚖ g
58240004	4	1/4	9 x 12	20	14	17.5	40	71
58240005	5	3/8	9 x 12	20	14	17.5	80	76
58240010	10	1/2	9 x 12	20	14	17.5	100	82

## 734F

**Square drive insert tools**

- for torque wrenches with interchangeable insert system
- with secured square drive



Product no.	Size	■ "	🔧 mm	b mm	h mm	S mm	max. N·m	⚖ g
58241004	4	1/4	9 x 12	22	14	17.5	40	72
58241005	5	3/8	9 x 12	22	14	17.5	80	75

## 731/10

**Open-ended insert tools**

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	⊘ mm	🔧 mm	b mm	h mm	S mm	⚖ g
58211007	7	9 x 12	22	5	17.5	40
58211008	8	9 x 12	22	5	17.5	39
58211009	9	9 x 12	26	5.5	17.5	38
58211010	10	9 x 12	26	5.5	17.5	42
58211011	11	9 x 12	26	5.5	17.5	41
58211012	12	9 x 12	30	7	17.5	43
58211013	13	9 x 12	30	7	17.5	45
58211014	14	9 x 12	35	8	17.5	52
58211015	15	9 x 12	35	8	17.5	51
58211016	16	9 x 12	38	8.5	17.5	58
58211017	17	9 x 12	38	8.5	17.5	60
58211018 *	18	9 x 12	42	9	20	71
58211019 *	19	9 x 12	42	9	20	74

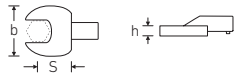
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 731a/10



### Open-ended insert tools

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	Size	mm	b mm	h mm	S mm	Δg
58611016	1/4	9 x 12	22	5	17.5	36
58611020	5/16	9 x 12	22	5	17.5	53
58611024	3/8	9 x 12	26	5.5	17.5	38
58611028	7/16	9 x 12	26	5.5	17.5	37
58611032	1/2	9 x 12	30	7	17.5	44
58611034	9/16	9 x 12	35	8	17.5	49
58611036	5/8	9 x 12	38	8.5	17.5	64
58611038 *	11/16	9 x 12	42	9	20	76
58611040 *	3/4	9 x 12	42	9	20	73

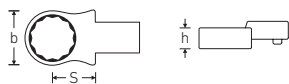
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 732/10



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



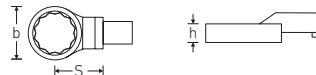
Product no.	Size mm	mm	b mm	h mm	S mm	Δg
58221007	7	9 x 12	13	8	17.5	37
58221008	8	9 x 12	14.2	8	17.5	40
58221010	10	9 x 12	17.2	9	17.5	44
58221011	11	9 x 12	18.5	9	17.5	41
58221012	12	9 x 12	20.5	11	17.5	49
58221013	13	9 x 12	21.5	11	17.5	55
58221014	14	9 x 12	22.5	11	17.5	52
58221015	15	9 x 12	24.5	12	17.5	52
58221016	16	9 x 12	26	12	17.5	54
58221017	17	9 x 12	27	13	17.5	59
58221018	18	9 x 12	28	13	17.5	56
58221019	19	9 x 12	30.5	13	17.5	65
58221021	21	9 x 12	33	15	17.5	71
58221022	22	9 x 12	34.5	15	17.5	74

## 732a/10



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



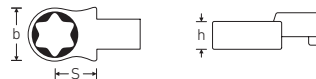
Product no.	Size	mm	b mm	h mm	S mm	Δg
58621016	1/4	9 x 12	13	8	17.5	36
58621020	5/16	9 x 12	14.2	8	17.5	37
58621024	3/8	9 x 12	17.2	9	17.5	37
58621028	7/16	9 x 12	18.5	9	17.5	40
58621032	1/2	9 x 12	21.5	11	17.5	53
58621034	9/16	9 x 12	22.5	11	17.5	52
58621036	5/8	9 x 12	26	12	17.5	54
58621038	11/16	9 x 12	28	13	17.5	58
58621040	3/4	9 x 12	30.5	13	17.5	58
58621042	13/16	9 x 12	33	15	17.5	68
58621044	7/8	9 x 12	34.5	15	17.5	69

## 732TX/10



### TORX® insert tools

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	Size	mm	b mm	h mm	S mm	Δg
58291006	E6	9 x 12	13	8	17.5	40
58291008	E8	9 x 12	14.2	8	17.5	45
58291010	E10	9 x 12	17.2	9	17.5	45
58291012	E12	9 x 12	18.5	9	17.5	50
58291014	E14	9 x 12	21.5	11	17.5	60

## 732G/10



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- HPQ® high-performance steel, gunmetal finish



Product no.	Ø mm	mm	b mm	h mm	S mm	Δ g
58620007	7	9 x 12	11.5	6	45	31
58620008	8	9 x 12	12.4	6	45	33
58620009	9	9 x 12	14	8	45	44
58620010	10	9 x 12	15.6	8	45	45
58620013	13	9 x 12	19.3	9.2	45	60

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 732aG/10



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- for the assembly and disassembly of engines
- HPQ® high-performance steel, gunmetal finish



Product no.	Ø "	mm	b mm	h mm	S mm	Δ g
58621216	1/4	9 x 12	10.4	6	45	28
58621220	5/16	9 x 12	12.4	6	45	31
58621224	3/8	9 x 12	14.9	8	45	42
58621228	7/16	9 x 12	17	8	45	43
58621232	1/2	9 x 12	19	9.2	45	58
58621234	9/16	9 x 12	21	9.2	45	58
58621236	5/8	9 x 12	23	12	45	74

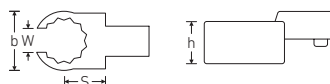
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 733/10



### OPEN RING insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	Ø mm	mm	b mm	h mm	W	S mm	Δ g
58231010	10	9 x 12	21.5	11	7.1	17.5	57
58231011	11	9 x 12	22.5	11	8.6	17.5	55
58231012	12	9 x 12	24.5	12	9	17.5	59
58231013	13	9 x 12	26	12	10	17.5	55
58231014	14	9 x 12	27	13	11	17.5	60
58231016	16	9 x 12	30.5	13	13	17.5	65
58231017	17	9 x 12	31.5	13	14	17.5	64
58231018	18	9 x 12	33	15	14.8	17.5	74
58231019	19	9 x 12	34	15	15.8	17.5	70
58231021 *	21	9 x 12	38.5	15	16.2	20	88
58231022 *	22	9 x 12	39.5	15	17	20	92
58231024 *	24	9 x 12	40	15	18	20	75

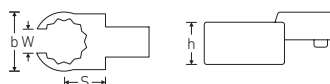
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 733a/10



### OPEN RING insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



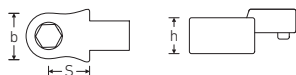
Product no.	Ø "	mm	b mm	h mm	W	S mm	Δ g
58631024	3/8	9 x 12	21.5	11	7.1	17.5	55
58631028	7/16	9 x 12	22.5	11	8.6	17.5	56
58631032	1/2	9 x 12	26	12	9.5	17.5	58
58631034	9/16	9 x 12	27.5	13	11	17.5	59
58631036	5/8	9 x 12	30.5	13	12.7	17.5	61
58631038	11/16	9 x 12	33	15	14	17.5	48
58631040	3/4	9 x 12	34	15	15.8	17.5	76

## 736



### Bit holder insert tools

- hex with collar-thrust spring
- for torque wrenches with interchangeable insert system
- bits are easy to insert, lock securely into place, and can be easily pulled out again
- hex socket DIN 3126 / ISO 1173



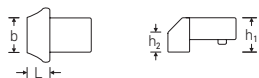
Product no.	Size	Ø mm	Ø"	mm	b mm	h mm	S mm	g
58261010	10	D 8	5/16	9 x 12	16	12.5	17.5	47
58262610	10-1	D 6.3	1/4	9 x 12	14	10	17.5	45

## 737/10



### Blank end insert tool

- for welding on custom-made tools
- for torque wrenches with interchangeable insert system
- gunmetal finish
- to avoid damage due to high temperatures, the pin and spring must not be fitted before the tool has been welded
- instructions are provided
- material: 1.2208 - 31CRV3



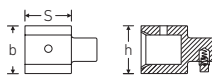
Product no.	Welding dimensions h <sub>2</sub> x b in mm	mm	L mm	h <sub>2</sub> mm	g
58270010	8 x 14	9 x 12	8	14.5	35

## 7370/10



### Insert tool adaptor

- for use with insert tools with an external size of 14 x 18 mm in torque wrenches with an internal insert system of 9 x 12 mm



Product no.	Ø mm	mm	L mm	b mm	h mm	S mm	g
58290010	14 x 18	9 x 12	55	31	26	30.5	118

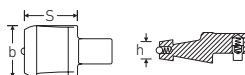
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 7370/10-2



### Insert tool adaptor

- for use with insert tools with a lateral dovetail profile in torque wrenches with an internal system of 9 x 12 mm



Product no.	mm	mm	L mm	b mm	h mm	S mm	g
58290012	9.5 x 23.5	9 x 12	40	23.5	9.5	24	51

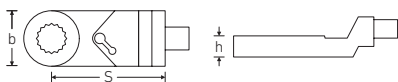
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 717



### Ratchet ring insert tools

- bi-hex
- for torque wrenches with interchangeable insert system
- reversible
- HPQ® high-performance steel, black gunmetal finish



Product no.	mm	mm	b mm	h mm	S mm	°	max. N-m	g
58170108	8	9 x 12	20	7.5	35	5	34	58
58170110	10	9 x 12	22	7.6	42	5	58	70
58170112	12	9 x 12	25	9.1	42	5	89	90
58170113	13	9 x 12	26	9.4	42	5	100	94
58170117	17	9 x 12	32.5	10.6	52	5	160	114
58170119	19	9 x 12	35.5	11.5	52	5	160	126
58170122	22	9 x 12	42	13.8	52	5	160	166

\* Caution! Adjust the setting on the torque wrench (see note on page 58 and 59)

## 1820



### Tool holder/disassembly tool

- tool holder without torque function, with tool carrier for insert tools

Product no.	mm	L mm	g
1820001	9 x 12	382.5	490

## 725QR/20



### QuickRelease ratchet insert tool

- for torque wrenches with interchangeable insert system
- reversible
- with QuickRelease safety lock
- 36 teeth



Product no.	Size	mm	b mm	h mm	S mm	°	max. N-m	g	
58253020	20	1/2	14 x 18	41	22.3	38.5	10	200	325

\* Caution! Adjust the setting on the torque wrench (see note on page 58 and 59)

## 735



### Fine-tooth ratchet insert tools

- for torque wrenches with interchangeable insert system
- reversible (also available as a clockwise-only ratchet on request)
- 60 teeth



Product no.	Size	mm	b mm	h mm	S mm	°	max. N-m	g	
58250020	20	1/2	14 x 18	43	26	25	6°	300	302
58250040	40	3/4	14 x 18	50	31.5	25	6°	400	515
58250065*	40HD	3/4	14 x 18	58	36	30	6°	650	725

\* Caution! Adjust the setting on the torque wrench (see note on page 58 and 59)

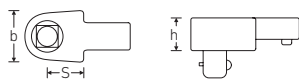


## 734



### Square drive insert tools

- for torque wrenches with interchangeable insert system
- with secured square drive



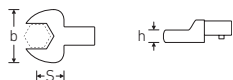
Product no.	Size	mm	b mm	h mm	S mm	max. N·m	g	
58240020	20	1/2	14 x 18	27	18	25	300	205
58240040	40	3/4	14 x 18	40	25	25	650	396

## 731/40



### Open-ended insert tools

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	mm	mm	b mm	h mm	S mm	g
58214013	13	14 x 18	30	7	25	128
58214014	14	14 x 18	35	8	25	129
58214015	15	14 x 18	35	8	25	132
58214016	16	14 x 18	38	9	25	140
58214017	17	14 x 18	38	9	25	130
58214018	18	14 x 18	42	10	25	147
58214019	19	14 x 18	42	10	25	140
58214021	21	14 x 18	50	11	25	171
58214022	22	14 x 18	50	11	25	165
58214024	24	14 x 18	53	12	25	167
58214025	25	14 x 18	53	12	25	170
58214027 *	27	14 x 18	60	13	30	219
58214030 *	30	14 x 18	66	14	30	275
58214032 *	32	14 x 18	66	14	32.5	246
58214034 *	34	14 x 18	66	14	32.5	239
58214036 *	36	14 x 18	74	15	32.5	275
58214038 *	38	14 x 18	74	15	32.5	265
58214041 *	41	14 x 18	82	15	36.5	307

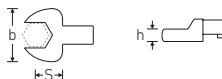
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 731a/40



### Open-ended insert tools

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	mm	mm	b mm	h mm	S mm	g
58614028	7/16	14 x 18	30	7	25	127
58614032	1/2	14 x 18	30	7	25	125
58614034	9/16	14 x 18	35	8	25	129
58614036	5/8	14 x 18	38	9	25	136
58614038	11/16	14 x 18	42	10	25	148
58614040	3/4	14 x 18	42	10	25	144
58614042	13/16	14 x 18	50	11	25	171
58614044	7/8	14 x 18	50	11	25	165
58614046	15/16	14 x 18	53	12	25	177
58614048 *	1	14 x 18	60	13	30	224
58614052 *	1 1/8	14 x 18	66	14	30	258

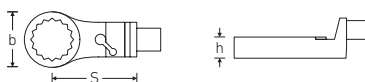
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 718



### Ratchet ring insert tools

- bi-hex
- for torque wrenches with interchangeable insert system
- reversible
- HPQ® high-performance steel, black gunmetal finish



Product no.	mm	mm	b mm	h mm	S mm	°	max. N·m	g
58170217	17	14 x 18	32.5	10.6	52	5	200	166
58170219	19	14 x 18	35.5	11.5	52	5	200	182
58170221	21	14 x 18	42	13.8	52	5	330	222
58170222	22	14 x 18	42	13.8	52	5	360	216
58170224	24	14 x 18	47	14.6	52	5	360	252
58170227	27	14 x 18	52	15.6	55	5	360	296

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 732/40



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	mm	mm	b mm	h mm	S mm	g
58224013	13	14 x 18	22.5	11	25	130
58224014	14	14 x 18	23	11	25	123
58224015	15	14 x 18	24	11	25	128
58224016	16	14 x 18	25.5	12	25	133
58224017	17	14 x 18	27	12	25	135
58224018	18	14 x 18	29	13	25	134
58224019	19	14 x 18	30.5	13	25	145
58224021	21	14 x 18	33	15	25	144
58224022	22	14 x 18	34.5	15	25	145
58224024	24	14 x 18	37.5	15	25	153
58224027	27	14 x 18	42.5	17	25	162
58224028	28	14 x 18	45.5	19	25	175
58224030	30	14 x 18	46	19	25	182
58224032	32	14 x 18	47.5	19	25	181
58224034 *	34	14 x 18	52	19	28	210
58224036 *	36	14 x 18	54	19	28	203
58224041 *	41	14 x 18	60	20	30	240

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)



## 732a/40



### Ring insert tools

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



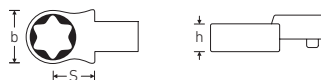
Product no.	mm	mm	b mm	h mm	S mm	g
58624032	1/2	14 x 18	22.5	11	25	122
58624034	9/16	14 x 18	23	11	25	122
58624036	5/8	14 x 18	25.5	12	25	134
58624038	11/16	14 x 18	29	13	25	132
58624040	3/4	14 x 18	30.5	13	25	138
58624042	13/16	14 x 18	33	15	25	142
58624044	7/8	14 x 18	34.5	15	25	147
58624046	15/16	14 x 18	37.5	15	25	151
58624048	1	14 x 18	41	17	25	160

## 732TX/40



### TORX® insert tools

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



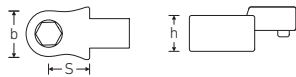
Product no.	Size	mm	b mm	h mm	S mm	g
58294014	E14	14 x 18	22.5	11	25	130
58294018	E18	14 x 18	24	11	25	135
58294020	E20	14 x 18	29	13	25	150
58294024	E24	14 x 18	30.5	13	25	150

## 736/40



### Bit holder insert tool

- for torque wrenches with interchangeable insert system
- hex with collar-thrust spring
- bits are easy to insert, lock securely into place, and can be easily pulled out again



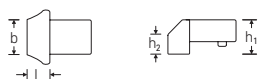
Product no.	Ø mm	mm	b mm	h mm	S mm	Δg g
58261040	5/16	14 x 18	16	12.5	25	114

## 737/40



### Blank end insert tool

- for welding on custom-made tools
- for torque wrenches with interchangeable insert system
- gunmetal finish
- to avoid damage due to high temperatures, the pin and spring must not be fitted before the tool has been welded
- instructions are provided
- material: 1.2208 - 31CRV3



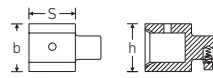
Product no.	Welding dimensions h <sub>2</sub> x b in mm	mm	L mm	h <sub>1</sub> mm	Δg g
58270040	11 x 25	14 x 18	12	21.5	98

## 7370/40



### Insert tool adaptor

- for use with insert tools with an external size of 9 x 12 mm in torque wrenches with an internal insert system of 14 x 18 mm



Product no.	Ø mm	mm	L mm	b mm	h mm	S mm	Δg g
58290040	9 x 12	14 x 18	60	28	21	21.5	117

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 7370/40-1



### Insert tool adaptor

- for use with 24.5 x 28 mm shell tools with torque wrenches with an internal insert system of 14 x 18 mm

Product no.	mm	mm	L mm	b mm	h mm	S mm	Δg g
58290041	24.5 x 28	14 x 18	66	75	20	95.9	251

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 7370/40-2



### Insert tool adaptor

- for use with insert tools with lateral dovetail profile in torque wrenches with an internal insert system of 14 x 18 mm



Product no.	mm	mm	L mm	b mm	h mm	S mm	Δg g
58290042	9.5 x 31.5	14 x 18	50	31.5	9.5	34.6	138

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 1821

**Tool holder/disassembly tool**

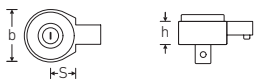
- tool holder without torque function, with tool carrier for insert tools

Product no.	mm	L mm	g
18210001	14 x 18	575	720

## 735/65

**Fine-tooth ratchet insert tool**

- for torque wrenches with square drive
- reversible
- 60 teeth

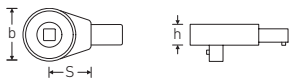


Product no.	"	mm	b mm	h mm	S mm	°	max. N·m	g
58251065	3/4	22 x 28	61	35	55	6	650	1115

## 735/100

**Ratchet insert tool**

- for torque wrenches with interchangeable insert system
- with push-through square drive
- 30 teeth

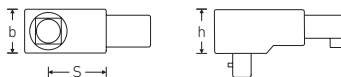


Product no.	"	mm	b mm	h mm	S mm	°	max. N·m	g
58250100	3/4	22 x 28	76	42	55	12	1000	1893

## 734/100

**Square drive insert tool**

- for torque wrenches with interchangeable insert system
- with push-through square drive

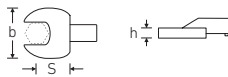


Product no.	"	mm	b mm	h mm	S mm	g
58240100	3/4	22 x 28	43	42	55	1175

## 731/100

**Open-ended insert tools**

- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



Product no.	mm	mm	b mm	h mm	S mm	g
58211024	24	22 x 28	50	13	55	618
58211027	27	22 x 28	56	14	55	640
58211030	30	22 x 28	63	15	55	690
58211032	32	22 x 28	67	15	55	705
58211034	34	22 x 28	72	15	55	731
58211036	36	22 x 28	74	15	55	713
58211041	41	22 x 28	84	16	55	894
58211046	46	22 x 28	94	17	55	934
58211050	50	22 x 28	104	18	55	1073
58211055	55	22 x 28	114	19	55	1172
58211060	60	22 x 28	124	20	55	1241

TOOLS THAT  
... inspire

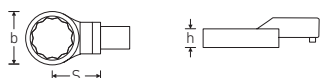
**Torque technology**

## 732/100



**Ring insert tools**

- bi-hex with AS-Drive profile
- for torque wrenches with interchangeable insert system
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



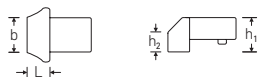
Product no.	mm	mm	b mm	h mm	S mm	g
58221024	24	22 x 28	43	15	55	616
58221027	27	22 x 28	43	15	55	609
58221030	30	22 x 28	46	16	55	617
58221032	32	22 x 28	49	16	55	611
58221034	34	22 x 28	52	17	55	627
58221036	36	22 x 28	54	17	55	620
58221041	41	22 x 28	61	18	55	630
58221046	46	22 x 28	66	19	55	628
58221050	50	22 x 28	75	20	55	701
58221055	55	22 x 28	84	21	55	776
58221060	60	22 x 28	93	22	55	867

## 737/100



**Blank end insert tool**

- for welding on custom-made tools
- for torque wrenches with interchangeable insert system
- gunmetal finish
- to avoid damage due to high temperatures, the pin and spring must not be fitted before the tool has been welded
- instructions are provided
- material: 1.2208 - 31CRV3



Product no.	Welding dimensions h <sub>2</sub> x b in mm	mm	L mm	h <sub>1</sub> mm	g
58270100	15 x 50	22 x 28	24	32	483

## 7370/100



**Insert tool adaptor**

- for use with 24.5 x 28 mm shell tools with torque wrenches with an internal insert system of 22 x 28 mm

Product no.	mm	mm	L mm	b mm	h mm	S mm	g
58291100	24.5 x 28	22 x 28	85	33	30	100	421

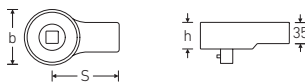
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 735/80



**Ratchet shell tool**

- for torque wrenches with a carrier for shell tools
- with push-through square drive
- 30 teeth



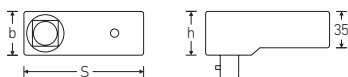
Product no.	"	mm	b mm	h mm	S mm	°	g
58250080	3/4	24,5 x 28	76	43	95	12	1930

## 734/80



**Square drive shell tool**

- for torque wrenches with a carrier for shell tools
- with push-through square drive



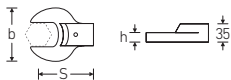
Product no.	"	mm	b mm	h mm	S mm	g
58240080	3/4	24,5 x 28	49	42	95	1200

## 731/80



## Open-ended shell tools

- for torque wrenches with a carrier for shell tools
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



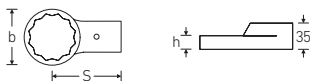
Product no.	Ø mm	mm	b mm	h mm	S mm	± g
58218024	24	24.5 x 28	50	13	95	601
58218027	27	24.5 x 28	56	14	95	620
58218030	30	24.5 x 28	63	15	95	655
58218032	32	24.5 x 28	67	15	95	670
58218034	34	24.5 x 28	72	15	95	699
58218036	36	24.5 x 28	74	15	95	620
58218041	41	24.5 x 28	84	16	95	810
58218046	46	24.5 x 28	94	17	95	867
58218050	50	24.5 x 28	104	18	95	1010
58218055	55	24.5 x 28	114	19	95	1150
58218060	60	24.5 x 28	124	20	95	1325

## 732/80



## Ring shell tools

- bi-hex with AS-Drive profile
- for torque wrenches with a carrier for shell tools
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable



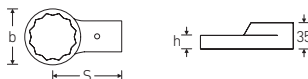
Product no.	Ø mm	mm	b mm	h mm	S mm	± g
58228024	24	24.5 x 28	36	15	95	605
58228027	27	24.5 x 28	40.5	15	95	610
58228030	30	24.5 x 28	46	16	95	630
58228032	32	24.5 x 28	49	16	95	635
58228034	34	24.5 x 28	52	17	95	650
58228036	36	24.5 x 28	54	17	95	650
58228041	41	24.5 x 28	61	18	95	675
58228046	46	24.5 x 28	66	19	95	700
58228050	50	24.5 x 28	75	20	95	750
58228055	55	24.5 x 28	84	21	95	800
58228060	60	24.5 x 28	93	22	95	850

## 732a/80



## Ring shell tools

- bi-hex with AS-Drive profile
- for torque wrenches with a carrier for shell tools
- special chromium over nickel plating, durable and chip-proof finish
- drop-forged, hardened, and cooled in an oil bath
- extremely strong, exceptionally durable
- for power pack bolts (Airbus A320/A321)



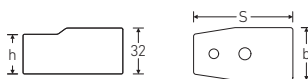
Product no.	Ø mm	mm	b mm	h mm	S mm	± g
58628046	15/16	24.5 x 28	36	14	95	604
58628050	1 1/16	24.5 x 28	40.5	14	95	608

## 7370/80



## Shell adaptor

- for torque wrenches with an attachment for insert tools
- for use with 14 x 18 mm insert tools with torque wrenches with an internal insert system of 24.5 x 28 mm



Product no.	Ø mm	mm	b mm	h mm	S mm	± g
58290080	24.5 x 28	14 x 18	36	26	70	300

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 1822



## Tool holder/disassembly tool

tool holder without torque function, with carrier for shell tools

Product no.	mm	L mm	± g
18220003	24.5 x 28	1000	2057

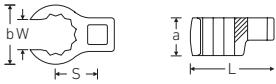
## Torque technology

### 440



#### Crowing spanners

- bi-hex with AS-Drive profile
- Chrome Alloy Steel, chrome-plated



Product no.	mm	"	L mm	b mm	a mm	W	S mm	g
01190008	8	1/4	23.8	12.7	8	6.3	12.3	11
01190009	9	1/4	28.5	18.2	13.5	6.7	14	21
01190010	10	1/4	28.4	18.2	13.5	7.1	14	16
01190011	11	1/4	28	18.2	13.5	8.6	14	17
01190012	12	1/4	30.8	20.6	14	9	15.7	20
01190013	13	1/4	32	22.2	14	10	16.4	30
01190014	14	1/4	31.7	22.2	14	11.1	16.4	20
02190015	15	3/8	36.5	24.6	17.5	11.9	19.1	34
02190016	16	3/8	36.1	24.6	17.5	13	19.1	27
02190017	17	3/8	39.2	27.3	17.5	14	20.5	40
02190018	18	3/8	40.8	29	18.5	14.8	21.3	45
02190019	19	3/8	40.5	29	18.5	15.8	21.3	40
02190020	20	3/8	42.9	31.3	18.5	15.8	22.5	54
02190021	21	3/8	42.8	31.3	18.5	16.2	22.5	45
02190022	22	3/8	45.3	33.5	19	17	23.6	57
02190023	23	3/8	47.5	35.7	19.5	17.5	24.6	71
02190024	24	3/8	47.3	35.7	19.5	18	24.6	57
02190025	25	3/8	49.3	37.7	20	19	25.7	80
02190026	26	3/8	49.3	37.7	20	19	25.7	63
02190027	27	3/8	52.8	40	21.4	20	28.2	100
03190028	28	1/2	56.8	42.1	22.5	21	29.3	120
03190030	30	1/2	63	48	22.5	22	32.5	155
03190032	32	1/2	62.5	48	22.5	24	32.5	145
03190034	34	1/2	64.2	50	24	27	33.5	146
03190036	36	1/2	66.5	51.9	24	27	34.6	150
03190038	38	1/2	68.1	53.9	24	28.6	35.6	147
03190040	40	1/2	71.8	57.9	24.5	31	37.7	160
03190041	41	1/2	71.8	57.9	24.5	31	37.7	169
03190042	42	1/2	71	57.9	24.5	33.2	37.7	189
03190046	46	1/2	77.7	64.2	26	34.1	40.9	215
03190050	50	1/2	83.2	70.5	27.5	39.7	44.1	295

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

### 440a



#### Crowing spanners

- bi-hex with AS-Drive profile
- Chrome Alloy Steel, chrome-plated
- 3/8" for Volvo aircraft engine, type 'JAS'



Product no.	mm	"	L mm	b mm	a mm	W	S mm	g
01490024	3/8	1/4	28.4	18.2	13.5	7.1	14	16
01490028	7/16	1/4	28	18.2	13.5	8.6	14	14
01490032	1/2	1/4	30.5	20.6	14	10	15.7	19
01490034	9/16	1/4	31.7	22.2	14	11.1	16.4	23
02490036	5/8	3/8	36.5	24.6	17.5	11.9	19.1	33
02490038	11/16	3/8	39.2	27.3	17.5	14	20.5	36
02490040	3/4	3/8	40.9	29	18.5	14.2	21.3	44
02490042	13/16	3/8	42.9	31.3	18.5	15.8	22.5	51
02490044	7/8	3/8	45.2	33.5	19	17.5	23.6	62
02490046	15/16	3/8	47.2	35.7	19.5	18.3	24.6	63
02490048	1	3/8	49.3	37.7	20	19	25.7	71
02490050	1 1/16	3/8	52.8	40	21.4	20	28.2	84
03490052	1 1/8	1/2	56.8	42.1	22.5	21	29.3	110
03490056	1 1/4	1/2	62.5	48	22.5	23.8	32.5	137
03490058	1 5/16	1/2	62.3	48	22.5	24.6	32.5	130
03490060	1 3/8	1/2	64.2	50	24	27	33.5	138
03490062	1 7/16	1/2	66.5	51.9	24	27	34.6	143
03490064	1 1/2	1/2	68.1	53.9	24	28.6	35.6	152
03490065	1 9/16	1/2	70.1	55.9	24	29.4	36.7	172
03490066	1 5/8	1/2	71.8	57.9	24.5	31	37.7	169
03490068	1 3/4	1/2	75.6	62	25.5	33.2	39.8	199
03490069	1 13/16	1/2	77.7	64.2	26	34.1	40.9	229
03490072	2	1/2	83.2	70.5	27.5	39.7	44.1	277
03490076	2 1/4	1/2	91.2	78.7	29.5	42.8	48.2	337
03490077	2 5/16	1/2	93.3	80.9	30	43.6	49.2	309
03490078	2 3/8	1/2	95.2	83	30.5	46	50.2	385

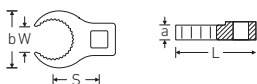
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 440S MJ



## Crowring spanners

- for pipe fittings, with straight cylindrical involute toothing
- EN 4108
- HPQ® high performance steel, chrome-plated



Product no.	Nut thread	mm	"	L mm	b mm	a mm	W	S mm	ΔΔ g
01211010	MJ10	DN04	1/4	31.9	22	8	6.5	17	54
01211014	MJ14	DN06	1/4	36.5	27	8	8.5	19.5	29
02211016	MJ16	DN08	3/8	43.8	31	8	10.5	24	46
02211018	MJ18	DN10	3/8	45.2	33	8	13	25	47
02211020	MJ20	DN12	3/8	46.2	35	8	15	26	49
02211022	MJ22	DN14	3/8	48.4	37	9	17.5	27	54
02211024	MJ24	DN16	3/8	49.5	39	9	19.7	28	56
02211027	MJ27	DN18	3/8	54.4	44	10	21.5	31	70
02211030	MJ30	DN20	3/8	60.8	50	10	23.7	36	93

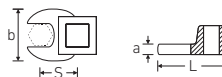
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 540



## Crowfoot spanners

- Chrome Alloy Steel, chrome-plated



Product no.	mm	"	L mm	b mm	a mm	S mm	ΔΔ g
01200008	8	1/4	25.5	19.8	6.3	14.6	19
01200009	9	1/4	25.5	19.8	6.3	14.6	21
01200010	10	1/4	25.5	19.8	6.3	14.6	20
02200011	11	3/8	32	22.2	6.3	17.4	36
02200012	12	3/8	34.3	25.4	6.3	18.2	37
02200013	13	3/8	34.3	25.4	6.3	17.8	36
02200014	14	3/8	37.7	30	6.3	20.8	46
02200015	15	3/8	37.7	30	6.3	20.4	45
02200016	16	3/8	37.7	30	6.3	19.9	45
02200017	17	3/8	42.5	38	6.3	23.8	62
02200018	18	3/8	42.5	38	6.3	22.9	61
02200019	19	3/8	42.5	38	6.3	22.4	64
02200020	20	3/8	42.4	38	6.3	25	55
02200021	21	3/8	44.5	41	6.3	23.6	59
02200022	22	3/8	44.5	41	6.3	24.2	64
02200023	23	3/8	44.5	41	6.3	25.8	64
02200024	24	3/8	44.4	41	6.3	26.3	60
02200025	25	3/8	47	45	8	26.4	75
02200026	26	3/8	47	45	8	27.6	80
02200027	27	3/8	47	45	8	27.6	76
02200028	28	3/8	50	50	8	29.2	78
02200030	30	3/8	50	50	8	29.3	84
02200032	32	3/8	53	57	8	30.5	95
02200034	34	3/8	54.5	60	8	31.6	107
02200036	36	3/8	56.5	62	8	32.8	100
02200040	40	3/8	63	70	8	37.6	130
02200041	41	3/8	63	70	8	37.2	130
02200042	42	3/8	63	70	8	37.7	125
02200046	46	3/8	72	82	8	43.1	191
02200050	50	3/8	75	88	8	45.4	217

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

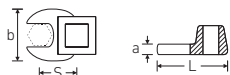
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## 540a



### Crowfoot spanners

— Chrome Alloy Steel, chrome-plated



Product no.	$\frac{1}{8}$	$\frac{1}{4}$	L mm	b mm	a mm	S mm	$\frac{1}{8}$ g
01500024	$\frac{3}{8}$	$\frac{1}{4}$	25.5	19.8	6.3	14.6	17
02500028	$\frac{7}{16}$	$\frac{3}{8}$	32	22.2	6.3	17.2	34
02500032	$\frac{1}{2}$	$\frac{3}{8}$	34.3	25.4	6.3	18.1	37
02500034	$\frac{9}{16}$	$\frac{3}{8}$	37.7	30	6.3	20.9	40
02500036	$\frac{5}{8}$	$\frac{3}{8}$	37.7	30	6.3	20.4	44
02500038	$\frac{11}{16}$	$\frac{3}{8}$	42.5	38	6.3	24.1	62
02500040	$\frac{3}{4}$	$\frac{3}{8}$	42.5	38	6.3	24	66
02500042	$\frac{13}{16}$	$\frac{3}{8}$	42.3	38	6.3	24	59
02500044	$\frac{7}{8}$	$\frac{3}{8}$	44.5	41	6.3	25.8	65
02500048	1	$\frac{3}{8}$	47	45	8	26.7	78
02500050	$1 \frac{1}{16}$	$\frac{3}{8}$	47	45	8	27.2	78
02500052	$1 \frac{1}{8}$	$\frac{3}{8}$	50	50	8	28.5	84
02500054	$1 \frac{3}{16}$	$\frac{3}{8}$	50	50	8	29.2	83
02500056	$1 \frac{1}{4}$	$\frac{3}{8}$	53	57	8	30.3	101
02500058	$1 \frac{5}{16}$	$\frac{3}{8}$	53	57	8	31.2	101
02500060	$1 \frac{3}{8}$	$\frac{3}{8}$	54.5	60	8	32.3	105
02500062	$1 \frac{7}{16}$	$\frac{3}{8}$	56.5	62	8	33.1	107
02500064	$1 \frac{1}{2}$	$\frac{3}{8}$	58	65	8	34.5	118
02500065	$1 \frac{9}{16}$	$\frac{3}{8}$	59.5	68	8	35.7	126
02500066	$1 \frac{5}{8}$	$\frac{3}{8}$	63	70	8	37.3	140
02500067	$1 \frac{11}{16}$	$\frac{3}{8}$	63	70	8	37.7	126
02500068	$1 \frac{3}{4}$	$\frac{3}{8}$	68	76	8	40.4	161
02500070	$1 \frac{7}{8}$	$\frac{3}{8}$	72	82	8	42	205
02500072	2	$\frac{3}{8}$	75	88	8	44.8	214
02500074	$2 \frac{1}{8}$	$\frac{3}{8}$	75.6	91	10	46	265
02500076	$2 \frac{1}{4}$	$\frac{3}{8}$	80.5	96	10	49.5	297
03500078	$2 \frac{3}{8}$	$\frac{1}{2}$	81.5	96	8	51.3	214

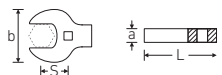
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

## 540a HD



### Crowfoot spanners heavy-duty

- for particularly high loads, e.g., stainless steel bolted joints
- full use of the open-ended spanner in combination with standard ratchets or torque wrenches with fixed square
- chrome-plated



Product no.	$\frac{1}{8}$	$\frac{1}{4}$	L mm	b mm	a mm	S mm	$\frac{1}{8}$ g
02501024	$\frac{3}{8}$	$\frac{3}{8}$	39	26	11	24	56
02501028	$\frac{7}{16}$	$\frac{3}{8}$	40	26	11	25	56
02501032	$\frac{1}{2}$	$\frac{3}{8}$	42	30	11	25.8	64
02501034	$\frac{9}{16}$	$\frac{3}{8}$	43.4	32	11	26.8	52
02501036	$\frac{5}{8}$	$\frac{3}{8}$	45	34.8	11	27.7	58
02501038	$\frac{11}{16}$	$\frac{3}{8}$	47.2	38	11	28.6	69
02501040	$\frac{3}{4}$	$\frac{3}{8}$	49	41	11	29.6	94
02501042	$\frac{13}{16}$	$\frac{3}{8}$	51	46.4	11	30.5	113
02501044	$\frac{7}{8}$	$\frac{3}{8}$	52	48	11	31.3	99
02501046	$\frac{15}{16}$	$\frac{3}{8}$	54	51.2	11	32.3	129
02501048	1	$\frac{3}{8}$	56	53.4	11	33.2	133
02501050	$1 \frac{1}{16}$	$\frac{3}{8}$	57	53.8	11	34.1	124
02501052	$1 \frac{1}{8}$	$\frac{3}{8}$	59	53.8	11	35	128
02501054	$1 \frac{3}{16}$	$\frac{3}{8}$	60	56	11	35.9	144
02501056	$1 \frac{1}{4}$	$\frac{3}{8}$	62	60	11	36.8	153
02501058	$1 \frac{5}{16}$	$\frac{3}{8}$	63	56	11	27.9	156
02501060	$1 \frac{3}{8}$	$\frac{3}{8}$	65	62	11	38.7	178
02501062	$1 \frac{7}{16}$	$\frac{3}{8}$	66.5	66	11	39.6	172
03501064	$1 \frac{1}{2}$	$\frac{1}{2}$	76	70	16	45	310
03501069	$1 \frac{9}{16}$	$\frac{1}{2}$	85	84	16	49.6	400
03501072	2	$\frac{1}{2}$	89	90	16	52.3	451
03501074	$2 \frac{1}{8}$	$\frac{1}{2}$	91.5	92.8	16	54.2	460
03501075	$2 \frac{3}{16}$	$\frac{1}{2}$	93	96	16	55.1	480
03501076	$2 \frac{1}{4}$	$\frac{1}{2}$	95	99	16	56	500

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

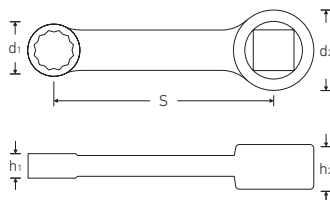
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### 447



**Adaptors**

- bi-hex with AS-Drive profile
- HPQ® high-performance steel, gunmetal finish



Product no.	mm	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	g
02181007	7	3/8	11.5	19	6	11	50.8	30
02181008	8	3/8	12.4	19	6	11	50.8	30
02181009	9	3/8	14	19	8	11	50.8	40
02181010	10	3/8	15.6	19	8	11	50.8	40
02181013	13	3/8	19.3	19	9.2	11	50.8	55

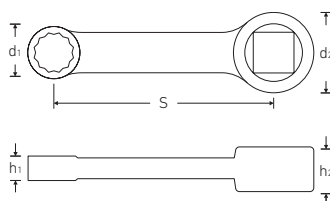
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

### 447a



**Adaptors**

- bi-hex with AS-Drive profile
- SAE AS 954-E
- HPQ® high-performance steel, gunmetal finish



Product no.	mm	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	g
02470016	1/4	3/8	10.4	19	6	11	50.8	27
02470020	5/16	3/8	12.4	19	6	11	50.8	29
02470024	3/8	3/8	14.9	19	8	11	50.8	41
02470028	7/16	3/8	17	19	8	11	50.8	40
02470032	1/2	3/8	19	19	9.2	11	50.8	56
02470034	9/16	3/8	21	19	9.2	11	50.8	61
02470036	5/8	3/8	23	19	12	11	50.8	73

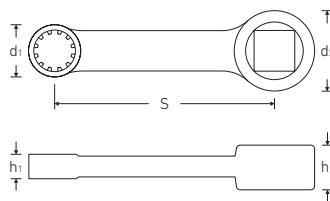
\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

### 447aSP



**Adaptors**

- for external Spline-Drive screws
- MS-33787, MIL-W-8982
- HPQ® high-performance steel, gunmetal finish



Product no.	"	"	d1 mm	d2 mm	h1 mm	h2 mm	S mm	g
02480014	7/32	3/8	9.4	19	6	11	50.8	28
02480016	1/4	3/8	10.4	19	6	11	50.8	27
02480018	9/32	3/8	11.5	19	6	11	50.8	29
02480020	5/16	3/8	12.4	19	6	11	50.8	29
02480024	3/8	3/8	14.9	19	8	11	50.8	38
02480028	7/16	3/8	17	19	9.2	11	50.8	39
02480032	1/2	3/8	19	19	9.2	11	50.8	59
02480034	9/16	3/8	21	19	9.2	11	50.8	55
02480036	5/8	3/8	23	19	12	11	50.8	74

\* **Caution!** Adjust the setting on the torque wrench (see note on page 58 and 59)

**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

# TORQUE MULTIPLIERS.

## MP100-1500



### Torque multiplier MULTIPOWER

- particularly compact design, lightweight and handy
- with ratchet function
- working angle 8°
- with angle of rotation scale
- to be used with a fixed 1/2" square torque wrench
- patented

- in carrying case
- **accuracy ± 5%**

**Contains 5-pieces:**

- 3 hex inserts: 30; 32; 36 mm
- 1 insert with 1" external square
- 1 reaction arm: L. 400 mm

Product no.	□	N-m <sub>1</sub>	ft-lb <sub>1</sub>	N-m <sub>2</sub>	ft-lb <sub>2</sub>	Gear ratio	Torque ratio	L mm	b mm	h mm	⊕ g	⊕ g with box
96531500	1/2	1500	1106	300	221	5.62 : 1	1 : 5	165	105	30	1890	3630

<sup>1</sup> output capacity max. <sup>2</sup> input capacity max.

## MP300



MP300-800

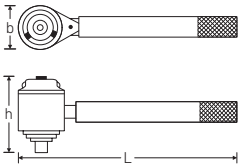
MP300-2000

MP300-5000

### Torque multipliers MULTIPOWER

- easy transmission of the highest torques
- planetary gears with overload protection
- robust design for high torques up to 5,000 N-m/3,687 ft-lb
- up to 12,000 N-m/8,850 ft-lb available on request

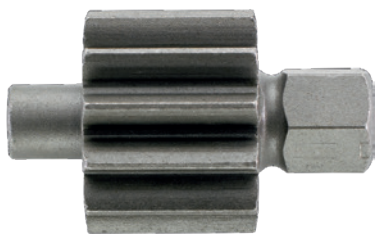
- with anti-backlash protection (models 2,000 N-m onwards)
- with a spare sun wheel (overload protection)
- in carrying case
- **accuracy ± 5%**



Product no.	Size	■	□	N-m <sub>1</sub>	ft-lb <sub>1</sub>	N-m <sub>2</sub>	ft-lb <sub>2</sub>	Gear ratio	Torque ratio	L mm	b mm	h mm	⊕ g	⊕ g with box
53030800	800	3/4	1/2	800	590	229	169	4 : 1	1 : 3.5	215	66	85	2000	5838
53031350	1350	3/4	3/4	1350	996	375	277	4 : 1	1 : 3.6	265	90	106	3400	7500
53032000 *	2000	1	1/2	2000	1475	160	118	16 : 1	1 : 12.5	330	95	161	7000	11000
53033000 *	3000	1	3/4	3000	2212	240	177	16 : 1	1 : 12.5	330	95	161	7000	10805
53035000 *	5000	1 1/2	3/4	5000	3687	294	217	20 : 1	1 : 17.0	400	120	180	10400	14000

\* with anti-backlash protection <sup>1</sup> output capacity max. <sup>2</sup> input capacity max.

## SR290-393



## Sun wheels with overload protection

Product no.	Model	for model	$\Delta$ g
59030800	SR300-800	MP300-800	45
59031350	SR300-1350	MP300-1350	106
59032000	SR300-2000	MP300-2000	120
59033000	SR300-3000	MP300-3000	130
59035000	SR300-5000	MP300-5000	127
59300039	SR290N	STW 290N	18
59300067	SR295N	STW 295N	95
59300068	SR391N	STW 391N	95
59300069	SR392N	STW 392N	95
59300070	SR393N	STW 393N	105



## SPARE PART SETS FOR RATCHETS AND RATCHET INSERT TOOLS.

### 4150QR



#### Spare parts set for ratchet

##### Contains 11-pieces:

1 pinion; 1 locking disc; 2 lever with pin; 1 ball; 2 compression springs; 2 retaining screws M 1.7 x 8; 2 cover plates

Product no.	for model	"	Content pcs.	△△ g
19011020	415QR, 725QR/4	1/4	11	24

### 4220

#### Spare parts set for ratchet

##### Contains 5-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 1 screw

Product no.	for model	"	Content pcs.	△△ g
19020003	735/5	3/8	5	88

### 7250/4

#### Spare parts set for ratchet

##### Contains 9-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19012021	725/4	1/4	9	26

### 7250B/4

#### Spare parts set for bit-ratchet

##### Contains 9-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19012022	725B/4	1/4	9	21

### 7250B/5

#### Spare parts set for bit-ratchet

##### Contains 9-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19012023	725B/5	5/16	9	48

### 4350QR



#### Spare parts set for ratchet

##### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19020020	435QR, 725QR/5	3/8	8	51

### 7210/5

#### Spare parts set for ratchet

##### Contains 7-pieces:

1 ball; 1 pinion; 2 compression springs; 1 switch button; 1 switch lever pin; 1 locking disc

Product no.	for model	"	Content pcs.	△△ g
59191005	721/5, 721/5 Quick	3/8	7	53

### 7250L/5

#### Spare parts set for ratchet

##### Contains 9-pieces:

1 pinion; 1 pawl; 1 button with pin; 1 ball; 2 compression springs; 2 retaining screws; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19021000	725L/5	3/8	9	70

### 7350/5

#### Spare parts set for ratchet

##### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	△△ g
59251005	422, 735/5	3/8	7	85

### 5120QR



#### Spare parts set for ratchet

##### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 pressure springs; 2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19040020	512QR, 512SG-QR, 725QR/20	1/2	8	118

## 5150

### Spare parts set for ratchet

#### Contains 5-pieces:

1 pinion; 1 locking piece, 1 countersunk screw, 1 switching disc,  
1 switching spring

Product no.	for model	"	Content pcs.	△△ g
19040002	735/20	1/2	5	130

## 5120

### Spare parts set for ratchet

#### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 pressure springs;  
2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19040000	721/15, 721/15 Quick, 721/20, 721/20 Quick	1/2	8	127

## 7210/30

### Spare parts set for ratchet

#### Contains 8-pieces:

1 ball; 1 pan head screw; 1 switching lever; 2 compression springs;  
1 switch lever pin; 1 pawl; 1 pinion

Product no.	for model	"	Content pcs.	△△ g
59191030	721/30, 721/30 Quick	1/2	8	134

## 7250QR/10



### Spare parts set for ratchet

#### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 pressure springs;  
2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19041020	725QR/10	1/2	8	64

## 7350/10

### Spare parts set for ratchet

#### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	△△ g
59251010	735/10	1/2	7	96

## 7350/20

### Spare parts set for ratchet

#### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	△△ g
59251020	515, 735/20	1/2	7	140

## 7210/80

### Spare parts set for ratchet

#### Contains 7-pieces:

1 pinion; 2 locking parts; 2 clamping pressure springs; 2 spring heads

Product no.	for model	"	Content pcs.	△△ g
59191080	721Nf/80, 721Nf/100, 735/80, 735/100	3/4	7	443

## 7350/40

### Spare parts set for ratchet

#### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	△△ g
59251040	735/40	3/4	7	219

## 7350/40HD-65

### Spare parts set for ratchet

#### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	△△ g
59251065	735/40HD; 735/65	3/4	7	429

**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## SQUARE DRIVES.

### 70V



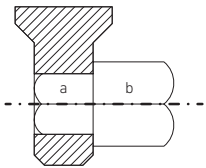
502 1/2



70V 16

#### Square drives

— for torque wrenches and insert tools



Product no.	Size	for model	a "	b "	L mm	∅ g
59010001	1	71...V/1	1/4	1/4	17.5	5
59010014	11	734/4	3/8	1/4	22	12
59010003	3	734/5	3/8	3/8	25.8	17
59010005	5	734/10	3/8	1/2	30	28
59010011	502 1/2	720/30; 734/20	1/2	1/2	33.5	40
59010007	7	721/30, 721/30 Quick	1/2	1/2	44.3	52
59010008	8	734/40	3/4	3/4	52.2	138
59010015	12	720Nf/80; 721Nf/80+100; 734/80; 734/100; 735/80; 735/100	3/4	3/4	65	179
59010016 *	16	720Nf/80; 721Nf/80+100; 734/40; 734/80; 734/100; 735/80; 735/100	3/4	3/4	88	240

\* extra-long, firmly locked and can be used on both sides




## CALIBRATION CERTIFICATES.

### WKS

#### Factory calibrations


— for torque wrenches

Product no.	 N·m	Tightening direction
58950001	1-400	clockwise
58950016	1-400	clockwise/counter-clockwise
58950002	401-600	clockwise
58950017	401-600	clockwise/counter-clockwise
58950003	601-1000	clockwise
58950018	601-1000	clockwise/counter-clockwise
58950013	1001-3000	clockwise
58950019	1001-3000	clockwise/counter-clockwise

### WKS

#### Factory calibrations


— for torque screwdrivers

Product no.	 N·m	Tightening direction
58950009	0.02-10	clockwise
58950010	0.02-10	clockwise/counter-clockwise

### WKS

#### Factory calibration

— for test equipment

Product no.	 N·m
58950004	0.2-3000

### WBS

#### Factory certificate

— for angle-controlled torque wrenches

Product no.	for model
58950025	713; 714

### WBS 7395-1

#### Works certificate

— for angle of rotation module


Product no.	
58950026	per measurement unit

### DAkKS



#### DAkKS calibrations

— for torque wrenches


Product no.	 N·m	Tightening direction
58950005	1-400	clockwise
58950015	1-400	clockwise/counter-clockwise
58950006	401-600	clockwise
58950020	401-600	clockwise/counter-clockwise
58950007	601-1000	clockwise
58950021	601-1000	clockwise/counter-clockwise
58950014	1001-2000	clockwise
58950022	1001-2000	clockwise/counter-clockwise

### DAkKS



#### DAkKS calibrations

— for torque screwdrivers

Product no.	 N·m	Tightening direction
58950011	0.2-10	clockwise
58950012	0.2-10	clockwise/counter-clockwise

### DAkKS



#### DAkKS calibration

— for test equipment

Product no.	
58950008	per measurement unit

TOOLS THAT  
... inspire

# STAHLWILLE TEST EQUIPMENT – For added safety.

Test equipment from STAHLWILLE helps to ensure quality and minimise risks. They can be used to test torque and angle-controlled torque wrenches for compliance with tolerances between calibration intervals – daily if necessary, because the test is quick and easy. A suitable, highly precise test device is available for every application and torque range – whether it's for use at base or in the field.

# FLEXIBLE



## Compact.

The SmartCheck test device can be positioned virtually anywhere. Sophisticated mounting points, a compact design and a rotatable display allow both vertical and horizontal mounting.

## Rotatable.

Not only the display, but also the display holder and body can be rotated 180°. For optimal adjustment of the viewing angle of the display.

## USB port.

The integrated USB interface allows the test values stored in the device to be read out. This means they can also be transferred to external systems.



## Intuitive.

Easy to understand operation and user guidance. For faster work, reliable results and increased safety. CheckMaster, an application from STAHLWILLE, ensures a fast connection between PC and SmartCheck testing devices. The testing devices can then be configured and results analysed from the computer. Test certificates can also be created via CheckMaster.

MADE IN CRONENBERG  
MADE IN GERMANY



## Flexible.

The SENSOTORK® 7707 W testing device is not only compact, it is also extremely flexible thanks to its easily interchangeable transducers. The measured values are shown on a display that is connected with a cable.

## Versatile.

Clockwise and counter-clockwise measurements with a particularly broad measuring range from 2 to 100 % of the nominal value, and interchangeable square drive adaptors integrated into the mounting block.



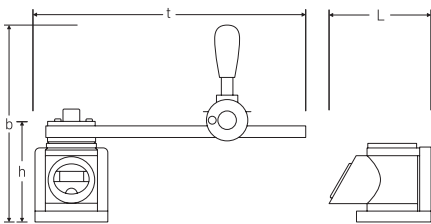
# TEST EQUIPMENT AND CALIBRATION SYSTEMS.



## SmartCheck Angle



### Angle of rotation tester

- for checking the angle of rotation measurement of angle-controlled torque wrenches for compliance with the specified tolerances
- angle of rotation measurements up to 720° with setpoint specifications
- immediate evaluation of the measurement results directly on the device using the traffic light principle
- with interchangeable square drive adaptors (1/4" - 3/8" - 1/2")
- for angle-controlled torque wrenches with a measuring range of up to 400 Nm
- large LCD for optimum readability
- the display, the display holder, and the base can be rotated 180°
- the display and keypad are splash-proof, the case is made of impact-resistant plastic
- simple installation thanks to pre-drilled holes in the mounting bracket
- the rotating arm can be easily locked in the zero position for transport
- for controlled clockwise and counter-clockwise torque testing
- 2 operating modes: running display of the applied torque (Track), peak value display (Peak-Hold)
- customised input of target torques and tolerances for evaluating the measured value
- micro USB interface for data export and for power supply (if required)
- data storage for up to 2,500 data records, including date and time stamp
- CheckMaster documentation software for transferring values and creating test certificates is available free of charge at [www.stahlwille.com](http://www.stahlwille.com)
- operation via included power supply, batteries or rechargeable batteries (4 x AAA or 1 x 9 V block, adaptor included)
- with factory certificate
- in a sturdy plastic box
- delivered with USB power supply and square drive adaptors 1/4" and 3/8"



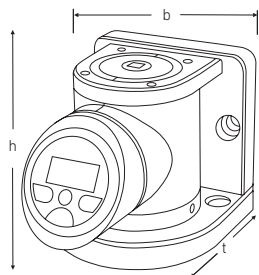
Product no.	 N·m	L mm	t mm	b mm	h mm	 kg
96521400	-400	263	171	452	326	11.5

## SmartCheck USB



### Torque testers

- for testing indicating and clicking type torque wrenches
- with interchangeable square drive adaptors for square drives (from  $\frac{3}{8}$ " to  $\frac{1}{4}$ " with SmartCheck 100 USB; from  $\frac{3}{4}$ " to  $\frac{1}{2}$ " for SmartCheck 400 USB)
- large LCD for optimum readability
- the display, the display holder, and the base can be rotated 180°
- compact design
- display and keypad are splash-proof; the housing is made of impact-resistant plastic
- simple installation thanks to pre-drilled holes in the mounting bracket
- horizontal or vertical orientation
- for controlled clockwise and counter-clockwise torque testing
- 3 operating modes: running display of the applied torque (Track), display of the torque on click point detection (First-Peak), peak value display (Peak-Hold)
- customised input of target torques and tolerances for evaluating the measured value
- with integrated visual and acoustic overload protection
- 3 measuring units (N·m, ft·lb, in·lb)
- micro USB interface for data export and for power supply (if required)
- data storage for up to 200 data records, including date and time stamp
- CheckMaster documentation software for transferring values and creating test certificates is available free of charge at [www.stahlwille.com](http://www.stahlwille.com)
- operation via included power supply, batteries or rechargeable batteries (4 x AAA or 1 x 9 V block, adaptor included)
- with factory certificate
- delivered in a sturdy plastic box
- **accuracy  $\pm 1\%$**



Product no.	Model	N·m	ft·lb	in·lb	"	t mm	b mm	h mm	g	g with box
96521206 *	SmartCheck 10S USB	1-10	0.74-7.4	8.9-88.5	$\frac{1}{4}$	167	120	124	5210	6556
96521207	SmartCheck 10 USB	1-10	0.74-7.4	8.9-88.5	$\frac{1}{4}$	167	120	124	5210	6556
96521208	SmartCheck 100 USB	10-100	7-74	89-885	$\frac{3}{8}$	167	120	124	5310	6656
96521209	SmartCheck 400 USB	40-400	30-295	354-3540	$\frac{3}{4}$	167	120	124	5690	7036
96521210	SmartCheck 800 USB	80-800	59-590	708-7081	$\frac{3}{4}$	167	120	124	5690	7036
96521211	SmartCheck 1500 USB	150-1500	111-1106	1328-13276	1	167	120	124	5912	7258

\* for checking torque screwdrivers

# WHICH TRANSDUCER IS FOR WHICH TORQUE TOOL?

For manually operated testing, calibration technology.

	7721	7721-0	7721-1	7722	7723-1	7723-2	7723-3	7724-1		7721	7721-0	7721-1	7722	7723-1	7723-2	7723-3	7724-1
760	○								730N/2			○	○				
775	○								730N/5			○	○	○	○		
TORSIOTRONIC®	○								730N/10				○	○			
71/80							○	○	730N/12				○	○	○		
71aR/80							○	○	730N/20				○	○			
73Nm/15			○	○					730N/40					○	○		
755R/1			○						730N/65							○	
755/4				○	○				730NII/65							○	
755/10					○	○			730N/80							○	○
755/20					○	○	○		730N/100							○	○
755/30						○	○		730Na/2			○	○				
750NR				○	○	○			730Na/5				○	○			
730/5				○	○				730Na/10					○	○		
730/10					○	○			730Na/20					○	○		
730/12					○	○	○		730Na/40						○	○	
730/20					○	○	○		701/2			○					
730/40						○	○		730D/10				○	○			
730/65							○		730D/20					○	○		
730II/65							○		730D/40						○	○	
730a/5				○	○				730D/65							○	
730a/10					○	○			730DII/65							○	
730a/12					○	○	○		730D/80							○	
730a/20					○	○	○		730D/100							○	
730/2			○	○					714/1		○	○					
730/4				○	○	○			714/2			○	○				
730a/2-1		○	○						714/4				○	○			
730a/2			○	○					714/6				○	○			
730a/4				○	○				714/10				○	○	○		
730/80							○	○	714/20					○	○		
721/5				○	○				714/40						○	○	
721/15					○	○	○		714/65							○	
721/20					○	○	○		714/80							○	
721/30						○	○		714/100							○	
721QR/15					○	○	○		713R/6				○				
721QR/20					○	○	○		713R/20					○	○		
720Nf/80							○	○	713R/40						○		
721Nf/80							○	○	712R/6				○				
721Nf/100							○	○									



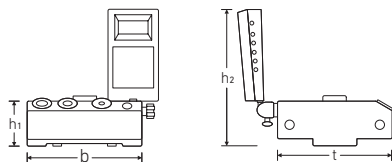
## Note

Torque testers are measurement devices! They have to be regularly calibrated and, where necessary, adjusted, using suitable calibration equipment. We recommend recalibrating every 12 months. DAkkS certificates must be ordered separately see p. 81.

## 7707 W

**Electronic workshop testing devices SENSOTORK®**

- for testing indicating and clicking type torque wrenches
- compact electronic testing device consisting of:
  - 1 patented transducer
  - 1 safety lock
  - 1 display
  - 1 stand with 1.5 metre cable for the display unit
  - 1 spiral cable
  - 1 power supply (110-230 V with interchangeable power outlet adaptors)
  - 4 interchangeable square drive adaptors
    - large LCD for optimum readability
    - horizontal or vertical orientation
    - for controlled clockwise and counter-clockwise measurements
    - 3 operating modes: running display of the applied torque (Track), display of the torque on click point detection (First-Peak), peak value display (Peak-Hold)
  - for clicking type torque wrenches, the actual final torque applied is also displayed, in addition to the first peak
    - with QuickRelease safety lock
    - not affected by transverse forces due to its particularly low-profile design
    - automatic detection of transducers
    - particularly broad measurement range from about 2-100 % of the nominal value
    - 3 measuring units (N-m, ft-lb, in-lb)
    - software no. 7759-4, including USB adaptor and jack-push/pull cable, allows the measured values to be transmitted to a PC (no additional external power source required, power from the PC), not included, order separately (see page 51)
    - when recalibrating a transducer, the test equipment remains on site and available for use with another transducer
    - complies with the specifications of guideline DKD-R 10-8
    - with factory certificate
    - delivered in a sturdy plastic box
    - **accuracy ± 1%**



Product no.	Model	N-m	"	t mm	b mm	h <sub>1</sub> mm	h <sub>2</sub> mm	g	g with box
96521086 <sup>1</sup>	7707-1-3W	0.2-10	1/4	180	180	79	215	6255	9500
96521085	7707-1-2W	0.2-10	1/4	180	180	79	215	6255	9500
96521080	7707-1W	0.4-20	1/4	180	180	79	215	6255	9500
96521072 <sup>2</sup>	7707-2W	2-100	3/8	180	180	79	215	7025	10300
96521083 <sup>3</sup>	7707-2-1W	4-200	1/2	180	180	79	215	7511	10975
96521084 <sup>4</sup>	7707-2-2W	8-400	3/4	180	180	79	215	7654	11100
96521082	7707-3W	25-1100	3/4	180	180	79	215	7495	11000

<sup>1</sup> for checking torque screwdrivers

<sup>2</sup> with square drive adaptor No. 409M (1/4" x 1/2" )

<sup>3</sup> with square drive adaptor No. 7798-4 (1/4" x 1/2" ), No. 7789-5 (3/8" x 1/2" )

<sup>4</sup> with square drive adaptor No. 7787 (1/4" x 3/4" ), No. 7788 (3/8" x 3/4" ), No. 7789 (1/2" x 3/4" )

# STAHLWILLE CALIBRATION SYSTEMS – Calibration made easy.

Companies that use many torque and angle-controlled torque wrenches can reduce their tool costs and tool downtime by calibrating their measuring equipment in-house: With our mechanical and motorised/automated calibration systems, tools are calibrated quickly and efficiently to established industry standards.

# PRECISE



## Efficient.

The electronic perfectControl® calibration systems reduce the effort and time required for calibrations and adjustments and prevent inaccurate measurements. In combination with the TorkMaster software, calibration certificates are issued in no time.

## Quick.

QuickRelease technology enables the transducers to be changed quickly. The handle support for torque wrenches can be adjusted with one hand using an eccentric tensioner.

## Precise.

Take measurements without shifting the force application point. The transducer accurately detects, digitises the measured values and transmits them to the PC.



### More features.

The perfectControl® 7794-3 also enables the calibration and adjustment of torque and angle-controlled torque wrenches. Thanks to an integrated motor, the working height can be adjusted and optimised quickly and easily by the user.

MADE IN CRONENBERG  
MADE IN GERMANY

### Comfortable.

Driven by an electric motor with automatic speed adjustment, the perfectControl® 7794-2 measures clockwise and counter-clockwise. Operation is via buttons.

### Modular.

The base version calibrates torque wrenches up to 400 N·m. Calibrations up to 1,000 N·m are possible with the 7791-1 extension.



# STAHLWILLE CALIBRATION SYSTEMS –

## Coordinated – down to the last detail.



Mechanical loader



Laboratory transducers



USB adaptor 7757-1  
+ Cable 7751-1



PC/printer not included

	No for full system	7706-8 PC	7706-9 PC	7706-10 PC	7706-11 PC
	Product no.	96521068	96521069	96521070	96521074
	Weight in kg	14.2	67.6	70.6	108.4
	Range N-m	1–10	2–100	2–1.000	20–3.000
	Mechanical loader	–	7791	7791	7792
	'Stand alone' mechanical loader for torque screwdrivers	7790	–	–	–
	Extension	–	–	7791-1	7792-1
	Laboratory transducers	7728-1S (1–10 N-m)	7728-2 (2–20 N-m) 7728-10 (10–100 N-m)	7728-2 (2–20 N-m) 7728-10 (10–100 N-m) 7728-40 (40–400 N-m) 7728-100 (100–1.000 N-m)	7728-20 (20–200 N-m) 7728-100 (100–1.000 N-m) 7728-300 (300–3.000 N-m)
	USB adaptor	7757-1	7757-1	7757-1	7757-1
	Jack cable	7751	7751	7751	7751
	Cable for 7728 (transducer to USB adaptor)	7751-1	7751-1	7751-1	7751-1
	Square drive adaptors	431 (3/8" □ x 1/4" ■)	431 (3/8" □ x 1/4" ■) 409M (1/4" □ x 3/8" ■)	7787 (1/4" □ x 3/4" ■) 7788 (3/8" □ x 3/4" ■) 7789 (1/2" □ x 3/4" ■) 409M (1/4" □ x 3/8" ■)	7787 (1/4" □ x 3/4" ■) 7788 (3/8" □ x 3/4" ■) 7789 (1/2" □ x 3/4" ■) 7789-2 (3/4" □ x 1 1/2" ■) 7789-3 (1" □ x 1 1/2" ■) 7789-4 (1/4" □ x 1 1/2" ■) 7789-5 (3/8" □ x 1 1/2" ■)
	Calibration square drive insert tools	–	734K/4 (1/4" ■) 734K/5 (3/8" ■)	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■)	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■)
	Bit connectors	3116 (1/4" ■ x 1/4" ● E 6.3) 3116/1 (1/4" ■ x 1/4" ● C 6.3)	–	–	–
	Calibration software	TorqueMaster	TorqueMaster	TorqueMaster	TorqueMaster
	DAkkS calibration certificates	1	2	4	3

# PERFECTCONTROL® CALIBRATION SYSTEMS –

## Precisely matched products.

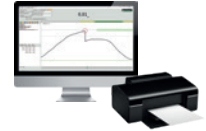
Motorised calibration system 7794-2



Laboratory transducers














USB adaptor 7757-1 + Cable 7751-1



PC/printer not included

Manual calibration system 7794-1

	No for full system	7794-2/400	7794-2/1000	7794-1/400	7794-1/1000
	Product no.	96521078	96521079	96521076	96521077
	Weight in kg	62.1	69.8	53.2	60.9
	Range N-m	1–400	1–1.000	1–400	1–1.000
	Motorised calibration system	7794-2	7794-2	–	–
	Manual calibration system	–	–	7794-1	7794-1
	Extension	–	7791-1	–	7791-1
	Laboratory transducers	7728-1 (1–10 N-m) 7728-6 (6–60 N-m) 7728-40 (40–400 N-m)	7728-1 (1–10 N-m) 7728-6 (6–60 N-m) 7728-40 (40–400 N-m) 7728-100 (100–1.000 N-m)	7728-1 (1–10 N-m) 7728-6 (6–60 N-m) 7728-40 (40–400 N-m)	7728-1 (1–10 N-m) 7728-6 (6–60 N-m) 7728-40 (40–400 N-m) 7728-100 (100–1.000 N-m)
	USB adaptor	7757-1	7757-1	7757-1	7757-1
	Jack cable	7751	7751	7751	7751
	Jack-push/pull cable	7752	7752	7752	7752
	Square drive adaptors	409M (1/4" x 3/8" ■) 7787 (1/4" x 3/4" ■) 7788 (3/8" x 3/4" ■) 7789 (1/2" x 3/4" ■) 7789-4 (1/4" x 1/2" ■) 7789-5 (3/8" x 1/2" ■)	409M (1/4" x 3/8" ■) 7787 (1/4" x 3/4" ■) 7788 (3/8" x 3/4" ■) 7789 (1/2" x 3/4" ■) 7789-4 (1/4" x 1/2" ■) 7789-5 (3/8" x 1/2" ■)	409M (1/4" x 3/8" ■) 7787 (1/4" x 3/4" ■) 7788 (3/8" x 3/4" ■) 7789 (1/2" x 3/4" ■) 7789-4 (1/4" x 1/2" ■) 7789-5 (3/8" x 1/2" ■)	409M (1/4" x 3/8" ■) 7787 (1/4" x 3/4" ■) 7788 (3/8" x 3/4" ■) 7789 (1/2" x 3/4" ■) 7789-4 (1/4" x 1/2" ■) 7789-5 (3/8" x 1/2" ■)
	Calibration square drive insert tools	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/12 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■) 734K/100 (3/4" ■)	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/12 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■) 734K/100 (3/4" ■)	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/12 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■) 734K/100 (3/4" ■)	734K/4 (1/4" ■) 734K/5 (3/8" ■) 734K/12 (3/8" ■) 734K/20 (1/2" ■) 734K/40 (3/4" ■) 734K/100 (3/4" ■)
	Calibration software	TorkMaster	TorkMaster	TorkMaster	TorkMaster
	DAkkS calibration certificates	3	4	3	4

## 7794-1

perfectControl® **Manual calibration system**

The perfectControl® calibration system with manual drive reduces the effort and time required for calibrations and adjustments of torque wrenches.

- measures without shifting the point of application of force
- avoid incorrect measurements with the precise bearing spindle and ergonomically shaped handwheel
- extremely precise calibration thanks to optimisation of the bearings and the square drives of the transducers
- clicking and indicating torque wrenches can be calibrated
- quick and easy switching of transducers with QuickRelease locking system
- bridge support with an eccentric clamp designed for single-handed operation reduces time and effort
- automatic transfer of measured values via USB interface to PC for further processing and archiving
- a calibration certificate can be printed and/or saved as a PDF file after calibration
- 'as found' and 'as left' calibrations can be documented
- DIN EN ISO 6789 calibration is supported in numerous languages. Additional standards and factory specifications available upon request
- calibrations up to 1,000 N·m with easy-to-assemble extension No. 7791-1.

- calibration of transducers using torque reference wrenches is possible on request
- the interface adaptor set 7761/3 is required for automated calibration of electromechanical torque wrenches and screwdrivers (730D eClick, 714, 766 DAPTIQ®, TORSIOTRONIC®, TORSIOTRONIC® DAPTIQ®)
- protected by national and international patents

**Contains 19-pieces:**

1 manual calibration system **No. 7794-1**

Calibration accessory set:

6 calibration square drive insert tools **No. 734K**: Size 4; 5; 12; 20; 40; 100

6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**

1 USB adaptor **No. 7757-1**

1 TorkMaster software **No. 7731-1**


1 jack cable **No. 7751**

1 jack-push/pull cable **No. 7752**

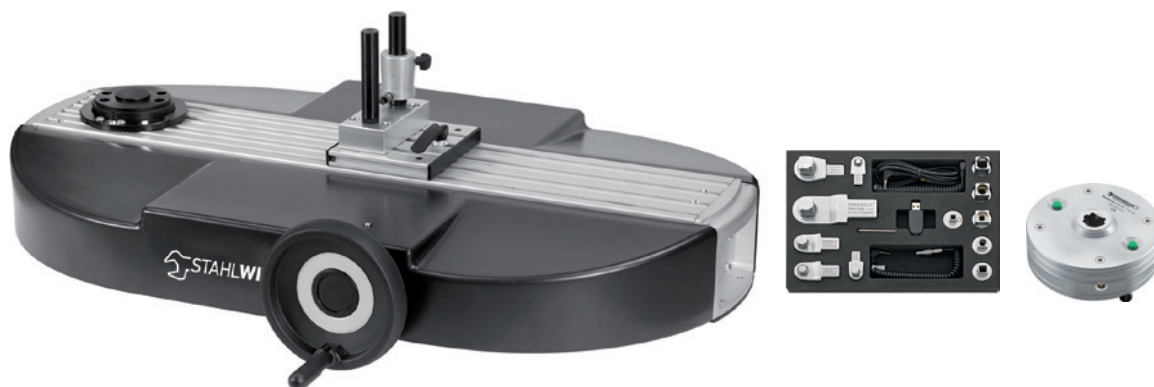
1 jack-push/pull cable **No. 7751-3**

1 hex L-Key **No. 10760**: 2 mm

included USB adaptor with TorkMaster software **No. 7731-1**

Product no.	Range N·m	for transducers	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	Content pcs.	 kg
96521092	1-400	7728 (size 1-100)	815	180	1060	705	355	19	46.4

## 7794-1 Sets



perfectControl® 

### Manual calibration systems in a set

The perfectControl® calibration system with manual drive reduces the effort and time required for calibrations and adjustments of torque wrenches.

- measures without shifting the point of application of force
- avoid incorrect measurements with the precise bearing spindle and ergonomically shaped handwheel
- extremely precise calibration thanks to optimisation of the bearings and the square drives of the transducers
- clicking and indicating torque wrenches can be calibrated
- quick and easy switching of transducers with QuickRelease locking system
- bridge support with an eccentric clamp designed for single-handed operation reduces time and effort
- automatic transfer of measured values via USB interface to PC for further processing and archiving
- a calibration certificate can be printed and/or saved as a PDF file after calibration
- 'as found' and 'as left' calibrations can be documented
- DIN EN ISO 6789 calibration is supported in numerous languages. Additional standards and factory specifications available upon request
- calibrations up to 1,000 N·m with easy-to-assemble extension No. 7791-1.

- calibration of transducers using torque reference wrenches is possible on request
- the interface adaptor set 7761/3 is required for automated calibration of electromechanical torque wrenches and screwdrivers (730D eClick, 714, 766 DAPTIQ®, TORSIOTRONIC®, TORSIOTRONIC® DAPTIQ®)
- protected by national and international patents

### Contents:

1 manual calibration system **No. 7794-1**

4 transducers (96521076: 3 transducers)

Calibration accessory set:

6 calibration square drive insert tools **No. 734K**: Size 4; 5; 12; 20; 40; 100

6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**

1 USB adaptor **No. 7757-1**


1 jack cable **No. 7751**

1 jack-push/pull cable **No. 7752**

1 jack-push/pull cable **No. 7751-3**

1 hex L-Key **No. 10760**: 2 mm

included USB adaptor with TorkMaster software **No. 7731-1**

Product no.	Range N·m	L mm	W mm	H mm	Content pcs.	 kg
<b>96521076</b>	1-400	1200	800	950	21	57.2
<b>96521077 *</b>	1-1000	1200	800	820	23	101.7

\* includes extension **No. 7791-1**

TOOLS THAT  
... inspire

## 7794-2



perfectControl®

**Motorised calibration and adjustment system**

The electronic perfectControl® calibration system with motorised drive significantly reduces the time and effort required for calibrations and adjustments of torque wrenches

- measures without shifting the point of application of force
- avoid inaccurate measurements with the precise bearing spindle and the fine-controlled motor
- extremely precise calibration thanks to optimisation of the bearings and the square drives of the transducers
- clicking and indicating torque wrenches can be calibrated
- quick and easy switching of transducers with QuickRelease locking system
- convenient button operation for clockwise and counter-clockwise measurements with motorised loading and automatic speed adjustment
- bridge support with an eccentric clamp designed for single-handed operation reduces time and effort
- automatic transfer of measured values via USB interface to PC for further processing and archiving
- a declaration of conformity or calibration certificate can be printed or saved as a PDF file after calibration
- 'as found' and 'as left' calibrations can be documented
- DIN EN ISO 6789 calibration is supported in numerous languages. Additional standards and factory specifications available upon request
- upgradeable to the perfectControl® calibration system No. 7794-3 for angle controlled torque wrenches

- calibrations up to 1,000 N·m with easy-to-assemble extension No. 7791-1.
- calibration of transducers with torque reference wrench is possible on request
- recommended transducer laboratory No. 7728
- the interface adaptor set 7761/3 is required for automated calibration of electromechanical torque wrenches and screwdrivers (730D eClick, 714, 766 DAPTIQ®, TORSIOTRONIC®, TORSIOTRONIC® DAPTIQ®)
- registered design
- protected by national and international patents

**Contains 19-pieces:**

- 1 motorised calibration and adjustment system **No. 7794-2**
- Calibration accessory set:
- 6 calibration square drive insert tools **No. 734K**: Size 4, 5, 12, 20, 40, 100
- 6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**
- 1 USB adaptor **No. 7757-1**
- 1 jack cable **No. 7751**
- 1 jack-push/pull cable **No. 7752**
- 1 jack-push/pull **No. 7751-3**
- 1 power adaptor set
- 1 hex L-Key **No. 10760**: 2 mm

Product no.	Range N·m	for transducers	for torque wrenches with functional length (LF) max. mm	profile width mm	L mm	W mm	H mm	Content pcs.	⊕ kg
96521093	1-400	7728 (size 1-100)	815	180	1060	640	328	19	51.5

## 7794-2 Sets

1



perfectControl®

**Motorised calibration and adjustment systems in a set**

The electronic perfectControl® calibration system No. 7794-2 with motorised drive significantly reduces the effort and time required for calibrations and adjustments of torque wrenches.

- measures without shifting the point of application of force
- avoid inaccurate measurements with the precise bearing spindle and the fine-controlled motor
- extremely precise calibration thanks to optimisation of the bearings and the square drives of the transducers
- clicking and indicating torque wrenches can be calibrated
- quick and easy switching of transducers with QuickRelease locking system
- bridge support with an eccentric clamp designed for single-handed operation reduces time and effort
- automatic transfer of measured values via USB interface to PC for further processing and archiving
- a calibration certificate can be printed and/or saved as a PDF file after calibration
- 'as found' and 'as left' calibrations can be documented
- DIN EN ISO 6789 calibration is supported in numerous languages. Additional standards and factory specifications available upon request
- calibrations up to 1,000 N·m with easy-to-assemble extension No. 7791-1.

- calibration of transducers with torque reference wrench is possible on request
- the interface adaptor set 7761/3 is required for automated calibration of electromechanical torque wrenches and screwdrivers (730D eClick, 714, 766 DAPTIQ®, TORSIOTRONIC®, TORSIOTRONIC® DAPTIQ®)
- registered design
- protected by national and international patents
- torque wrench and laptop not included

**Contents:**

- 1 motorised calibration and adjustment system **No. 7794-2**
- 4 transducers (96521078: 3 transducers)
- Calibration accessory set:
- 6 calibration square drive insert tools **No. 734K**: Size 4; 5; 12; 20; 40; 100
- 6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**
- 1 USB adaptor **No. 7757-1**
- 1 jack cable **No. 7751**
- 1 jack-push/pull cable **No. 7752**
- 1 jack-push/pull cable **No. 7751-3**
- 1 power adaptor set
- 1 hex L-Key **No. 10760**: 2 mm

Product no.	Range N·m	for transducers	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	Content pcs.	⊘ kg
<b>96521078</b>	1-400	7728 (size 1-100)	815	180	1200	800	820	23	71.3
<b>96521079*</b>	1-1000	7728 (size 1-100)	1390	180	1200	800	950	24	76.3

\* includes extension **No. 7791-1**

## 7794-3



perfectControl®

### Automatic calibration and adjustment system

The electronic perfectControl® calibration system No. 7794-3 with motorised drive for calibrations and adjustments of torque and angle-controlled torque wrenches.

- automatically calibrates electronic and electromechanical STAHLWILLE torque and angle-controlled torque wrenches
- design like perfectControl® No. 7794-2, but also suitable for calibrating angle-controlled torque wrenches
- optimum working height adjustment with motorised height adjustment
- calibrations up to 1,000 N·m with easy-to-assemble extension No. 7791-1 and mounting bracket set No. 7791-4
- the interface adaptor set 7761/3 is required for automated calibration of electromechanical torque wrenches and screwdrivers (730D eClick, 714, 766 DAPTIQ®, TORSIOTRONIC®, TORSIOTRONIC® DAPTIQ®).

- registered design
- protected by national and international patents

### Contains 19-pieces:

- 1 motorised calibration and adjustment system **No. 7794-2**
- Calibration accessory set:
- 6 calibration square drive insert tools **No. 734K** (size 4, 5, 12, 20, 40, 100)
- 6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**
- 1 USB adaptor **No. 7757-1**
- 1 jack cable **No. 7751**
- 1 jack-push/pull cable **No. 7752**
- 1 jack-push/pull cable **No. 7751-3**
- 1 power adaptor set
- 1 hex L-Key **No. 10760**: 2 mm

Product no.	Range N·m	for transducers	for torque wrenches with functional length (L <sub>f</sub> ) max. mm	profile width mm	L mm	W mm	variable height	Content pcs.	kg
96521094	1-400	7728 (size 1-100)	815	180	1060	640	884-1134 mm	19	230

## 7791-4

### Mounting bracket set

- mounting bracket for attaching extension No. 7791-1 to the angle of rotation calibration system No. 7794-3
- the extension allows the measuring range to be extended from 400 N·m to 1,000 N·m

### Contains:

- 1 mounting bracket, 4 screws: M8 x 30, 4 oval-head screws: M8 x 20, 8 x washers M8, 4 captive nuts: M8

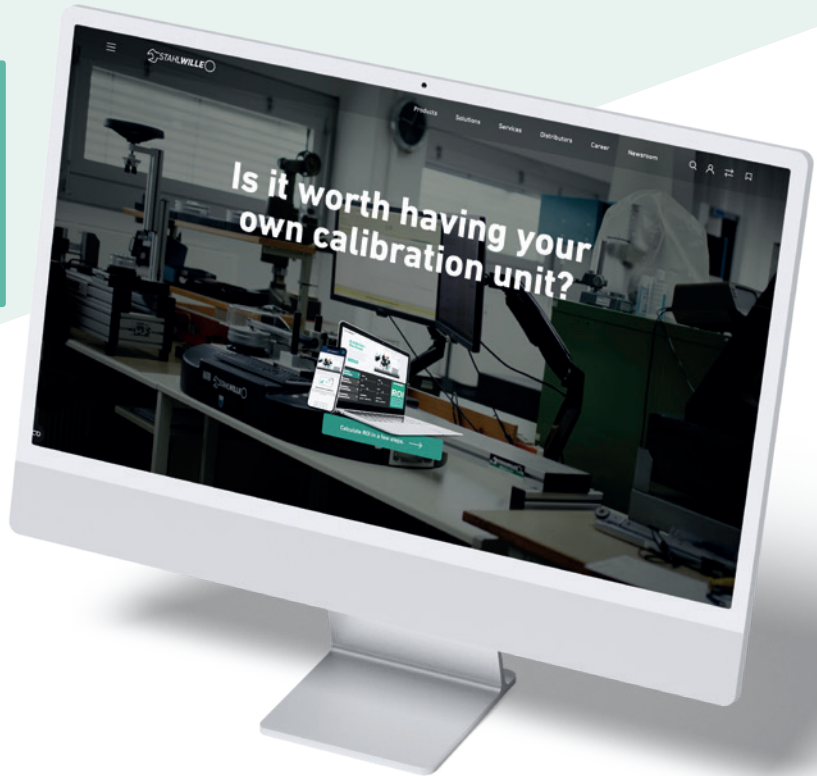
Product no.	for model	Content pcs.	kg
52110491	7794-3	21	1.5

# IS IT WORTH HAVING YOUR OWN CALIBRATION UNIT? Calculate the ROI easily online.

The topic of calibration of torque wrenches is becoming ever more relevant for manufacturing companies or those involved in maintenance. After all, DIN EN ISO 9001 requires regular testing and calibration of measuring equipment as proof of capability. Furthermore, DIN EN ISO 6789 explicitly recommends an interval of no more than twelve months or 5,000 loads.

In addition to commissioning external calibration service providers, there is also the option of investing in an in-house calibration system. This usually pays off faster than you would expect. In addition to the cost aspect, companies with sufficient calibration volume also gain time, increase tool availability and reduce their administrative effort.

# ROI



## Calibration in-house – the advantages.

### Reliable.

With a calibration system from STAHLWILLE, companies benefit from maximum process reliability, reliable quality control and maximum efficiency.

### Efficient.

Your own calibration unit will unburden your team and reduce your tool downtime! The administrative effort for sending a tool to an external calibration laboratory is also removed – saving you valuable work time.

### Flexible.

With an in-house calibration laboratory, more frequent and particularly strict calibrations are no problem – and incur no extra costs. Calibrations can be planned and performed when the tool is not in use.



Is it worth having your own calibration system? Determine your ROI now!  
[qr.stahlwille.com/calibration-technology](http://qr.stahlwille.com/calibration-technology)

# 7728



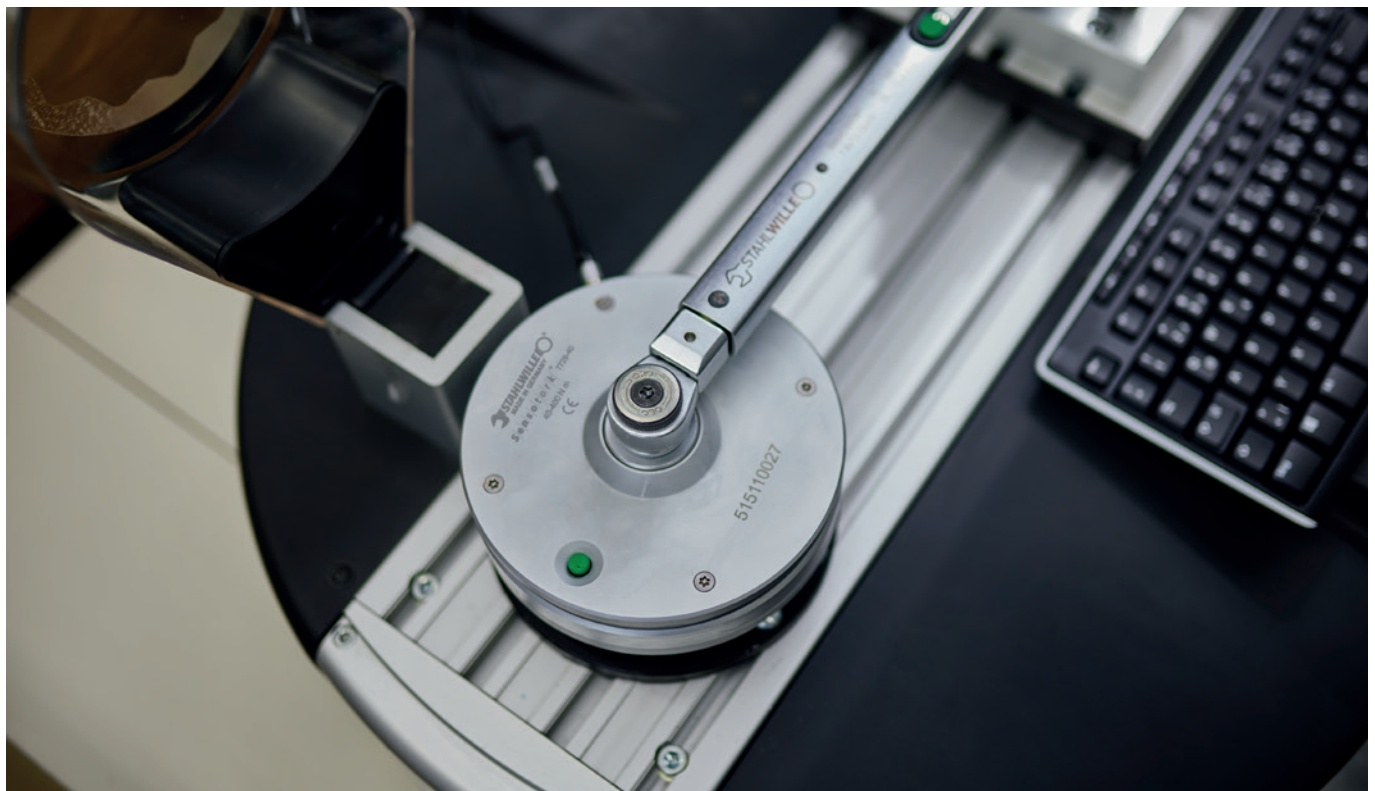
### Laboratory transducers

- for laboratory use
- not affected by transverse forces due to its particularly low-profile design
- with optimised measurement ranges
- for calibration of torque wrenches and torque screwdrivers
- to be used with the perfectControl® calibration systems No. 7794 or the calibration systems No. 7706, No. 7791
- processing and digitisation occurs directly in the transducer, ensuring a high level of accuracy
- with a high-quality precision connection plug with locking function
- accredited calibration
- patented
- delivered in a sturdy plastic box
- **accuracy ± 0.5% of the measured value**

Product no.	Size	Ø "	Accuracy ± 0.5% of the measured value N·m	Accuracy ± 0.5% of the measured value ft·lb	Accuracy ± 0.5% of the measured value in·lb	g	g with box
96524011 <sup>1</sup>	1S	1/4	1-10	0.74-7.4	8.9-88.5	1735	2415
96524001	1	1/4	1-10	0.74-7.4	8.9-88.5	1735	2415
96524002	2	1/4	2-20	1.5-15	18-177	1735	2415
96524004	4	3/8	4-40	3-30	35-354	2486	3136
96524006	6	3/8	6-60	4.5-45	53-531	2486	3136
96524010	10	3/8	10-100	7-74	89-885	2486	3136
96524020	20	1/2	20-200	15-148	177-1770	2983	3170
96524040	40	3/4	40-400	30-295	354-3540	4846	5507
96524065	65	3/4	65-650	48-479	575-5753	4846	5507
96524080	80	3/4	80-800	59-590	708-7081	4846	5507
96524100	100	3/4	100-1000	74-738	885-8851	4846	5507
96524300 <sup>2</sup>	300	1 1/2	300-3000	221-2214	2655-26553	10500	12000

<sup>1</sup> for calibrating torque screwdrivers

<sup>2</sup> for use with mechanical calibration systems No. 7792, 7792-1

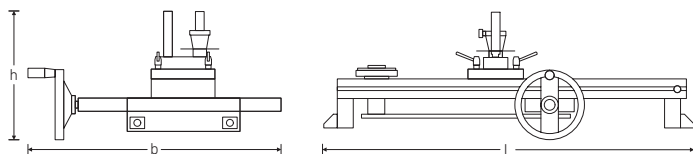


## MANUTORK® 7791



### Manual calibration system

- the special power transmission system prevents the force application point from shifting
- the handwheel drives a lever linearly via a spindle, whereby this movement is converted into a rotary movement of the transducer
- 2 ball-bearing bushings ensure a friction-free contact surface and enable the horizontal alignment of the wrench
- the torque wrench remains in position whilst the load is being applied
- minimal transverse forces and reduced friction minimise measurement errors
- protected by national and international patents



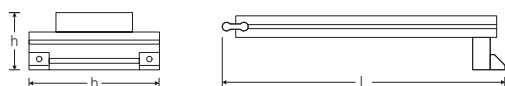
Product no.	Range N-m	for transducers	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	⊕ kg
52110091	up to 400	size 1-100	815	180	1069	704	323	44.8

## 7791-1



### Extension unit for No. 7791, 7794-1 and No. 7794-2 to 1.000 N-m

- with 1 pair of adaptor plates No. 7770-3 for height compensation between the extension No. 7791-1 and the perfectControl® calibration systems No. 7794-1, 7794-2



Product no.	for model	Range N-m	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	⊕ kg
52110191	7791; 7794-1; 7794-2	up to 1000	1390	180	673	308	135	7.97

## 7706

**Manual calibration systems**

- the special power transmission system prevents the force application point from shifting
- the handwheel drives a lever linearly via a spindle, whereby this movement is converted into a rotary movement for the transducer
- 2 ball-bearing bushings ensure a friction-free contact surface and enable the horizontal alignment of the wrench
- the torque wrench remains in position whilst the load is being applied

- minimal transverse forces and reduced friction minimise measurement errors
- protected by national and international patents

**Contains:**

transducer, square adaptor, USB adaptor, cable, management software for calibration certificates

Product no.	Range N·m	L mm	W mm	H mm	Δ± kg
96521068	1-10	605	323	535	14.4
96521069	2-100	1200	800	520	67.6
96521070	2-1000	1200	800	520	75.6
96521074	20-3000	1780	690	600	110.5

## MANUTORK® 7792

**Mechanical calibration system**

- the special power transmission system prevents the force application point from shifting
- the handwheel drives a lever linearly via a spindle, whereby this movement is converted into a rotary movement for the transducer
- 2 ball-bearing bushings ensure a friction-free contact surface and enable the horizontal alignment of the wrench

- the torque wrench remains in position whilst the load is being applied
- minimal transverse forces and reduced friction minimise measurement errors
- protected by national and international patents

Product no.	Range N·m	for transducers	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	Δ± kg
52110092	up to 1000	size 20; 100; 300	1390	270	1668.5	722	323	55.7

## 7792-1



## Extension unit for No. 7792 to 3,000 N-m

Product no.	for model	Range N-m	for torque wrenches with functional length (L <sub>F</sub> ) max. mm	profile width mm	L mm	W mm	H mm	g
52110192	7792	20-3000	2390	270	1073	558	135	18.5 kg

## 7721-7724



## Transducers

- for testing of torque wrenches and torque screwdrivers
- processing and digitisation occurs directly in the transducer, ensuring a high level of accuracy
- not affected by transverse forces due to its particularly low-profile design
- for use with calibration systems or 7707 W workshop testing device
- with factory certificate
- patented
- delivered in a sturdy plastic box
- **accuracy ± 1% of the measured value**

Product no.	Model	Ø	Accuracy ± 1 % of the measured value N-m	Accuracy ± 1 % of the measured value ft-lb	Accuracy ± 1 % of the measured value in-lb	g	g with box
96521021 <sup>1</sup>	7721	1/4	0.2-10	0.15-7.4	1.8-88.5	1735	2411
96521000	7721-0	1/4	0.2-10	0.15-7.4	1.8-88.5	1735	2411
96521026	7721-1	1/4	0.4-20	0.3-15	3.5-177	1735	2411
96521022	7722	3/8	2-100	1.5-74	18-885	2486	3223
96521023	7723-1	1/2	4-200	3-148	35-1770	2983	3605
96522023	7723-2	3/4	8-400	6-295	71-3540	3134	3745
96521028	7723-3	3/4	25-1100	18-812	221-9736	2998	3761
96521029 <sup>2</sup>	7724-1	1 1/2	150-3000	111-2214	1328-26553	10500	12000

<sup>1</sup> for calibration of torque screwdrivers

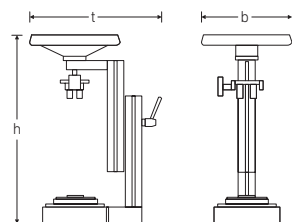
<sup>2</sup> for use with mechanical calibration systems No. 7792, 7792-1

## 7790



### Stand alone mechanical loader for torque screwdrivers

- the torque screwdriver to be calibrated is inserted into the transducer and fixed in place using the universal centre clamps
- the force can be applied in a controlled manner using the handwheel
- transducer and torque screwdriver are not included
- can be attached to the mechanical calibration system No. 7792



Product no.	Range N-m	for transducers	t mm	b mm	h mm	⚖️ kg
58521090	up to 10	7728-1S	351	250	442-593	8.95

## 7750-1



### Bracket

- for display device No. 7750
- can be attached to the testing systems

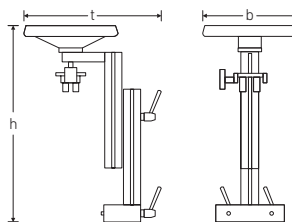
Product no.	for model	L mm	⚖️ g
52101050	7750	110	165

## 7791-2



### Hand wheel attachment for torque screwdrivers

- can be attached to the manual calibration system No. 7791
- the torque screwdriver to be calibrated is inserted into the transducer and fixed in place using the universal centre clamps
- the force can be applied in a controlled manner using the handwheel



Product no.	Range N-m	t mm	b mm	h mm	⚖️ kg
52110291	up to 10	351	250	442-593	3.74

## 7789-734K



### Calibration accessory set

#### Contains 17-pieces:

6 calibration square drive insert tools **No. 734K**: size 4; 5; 12; 20; 40; 100

6 square drive adaptors **No. 409M, No. 7787, No. 7788, No. 7789, No. 7789-4, No. 7789-5**

1 USB adaptor **No. 7757-1**

1 jack cable **No. 7751**: L. 1.5 m

1 jack-push/pull cable **No. 7752**: L. 1.5 m

1 jack-push/pull cable **No. 7751-3**: L. 0.25 m

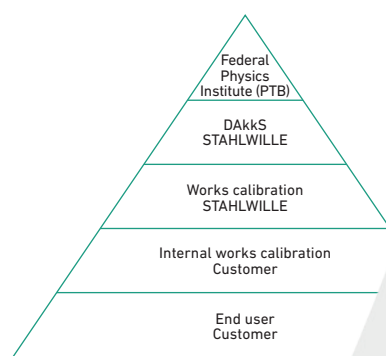
1 hex L-Key **No. 10760**: 2 mm

Product no.	Content pcs.	⚖️ g
96585224	17	1980

# STAHLWILLE DAKKS CALIBRATION LABORATORY – Audited. Documented. Certified.

STAHLWILLE's DAKKS calibration laboratory for torque is accredited by the German Accreditation Service (DAKKS) in accordance with DIN EN ISO/IEC 17025:2005. The transfer torque wrenches and torque transducers in use in the calibration laboratory are subject to regular examination by the German Federal Physics Institute (PTB) in Braunschweig.

The accuracy of the torque wrenches must be proved in a series of steps and these must be traceable. Only in this way can the reliability of the readings be guaranteed. At ground level, the end-user checks the accuracy of the torque tools in-house using suitable calibrated testing equipment. At the next level, this test equipment is checked in STAHLWILLE's DAKKS accredited calibration laboratory. This accreditation by the German Calibration Service (DKD) in accordance with DIN EN ISO/IEC 17025:2005 guarantees the direct link between the measuring equipment and the national standard as laid down in DIN EN ISO 9001:2008.



Relationship between the national standard and the equipment



### Conforms to standards.

The accreditation means the specific requirements listed in Technical Specification ISO/TS 16949 relating to testing laboratories are fulfilled. This is absolutely essential for all suppliers in the automotive sector.

Torque technology

## 409M



**Square drive adaptor**

— 1/4 to 3/8"

— Chrome Alloy Steel, chrome-plated

Product no.	■	○	L mm	△ g
11030010	3/8	1/4	13	14

## 7789-2



**Square drive adaptor**

— 3/4 to 1 1/2"

Product no.	■	○	L mm	△ g
58523089	1 1/2	3/4	44	380

## 7787



**Square drive adaptor**

— 1/4 to 3/4"

Product no.	■	○	L mm	△ g
58521087	3/4	1/4	15.5	41

## 7789-3



**Square drive adaptor**

— 1 to 1 1/2"

Product no.	■	○	L mm	△ g
58524089	1 1/2	1	44	280

## 7788



**Square drive adaptor**

— 3/8 to 3/4"

Product no.	■	○	L mm	△ g
58521088	3/4	3/8	23.5	50

## 7789-4

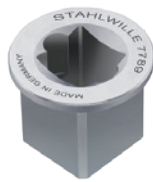


**Square drive adaptor**

— 1/4 to 1/2"

Product no.	■	○	L mm	△ g
58524090	1/2	1/4	15.5	25

## 7789

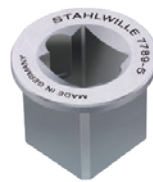


**Square drive adaptor**

— 1/2 to 3/4"

Product no.	■	○	L mm	△ g
58521089	3/4	1/2	23.5	40

## 7789-5



**Square drive adaptor**

— 3/8 to 1/2"

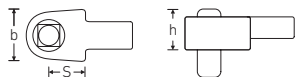
Product no.	■	○	L mm	△ g
58524091	1/2	3/8	15.5	28

## 734K



### Calibration square drive insert tools

- without ball or pin (only suitable for calibration)
- optimum measurement results during calibration by reduction of transverse forces



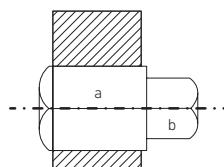
Product no.	Size	■	mm	b mm	h mm	S mm	±g
58243004	4	1/4	9 x 12	20	16.7	17.5	76
58243005	5	3/8	9 x 12	20	16.7	17.5	76
58243012	12	3/8	14 x 18	27	21.5	25	199
58243020	20	1/2	14 x 18	27	21.5	25	218
58243040	40	3/4	14 x 18	40	29.3	25	410
58241100	100	3/4	22 x 28	43	29.3	55	907

## 70VK



### Calibration square drives

- without ball or pin (only suitable for calibration)
- optimum measurement results during calibration by reduction of transverse forces



Product no.	Size	for model	■	■	L mm	±g
59011014	11	734/4	3/8	1/4	24.7	12
59011003	3	735/5	3/8	3/8	27.6	17
59011012	12	734/10; 734/20	1/2	3/8	32.5	34
59011011	502 1/2	734/20	1/2	1/2	36.9	60
59011008	8	734/40; 734/80; 734/100	3/4	3/4	52.2	138





# 2 Spanners

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110 **Double open-ended spanners and sets**

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114 **Combination spanners and sets**

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120 **Mixed spanner sets**

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121 **Double-ended ring spanners and sets**

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127 **Combination ratchet spanners and sets**

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130 **Double-ended ratchet ring spanners and sets**

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132 **FastRatch spanners and sets**

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134 **Open-ended striking spanners and open-ended spanners**

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135 **Heavy-duty and striking ring spanners**

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137 **Double-ended flexi-joint spanners and sets**

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138 **Box spanners and sets**

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139 **Hook spanners**

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139 **Spanner accessories**

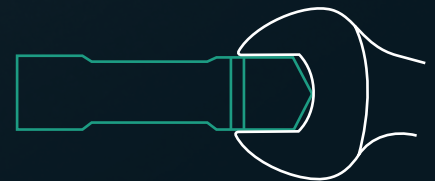
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# STAHLWILLE SPANNERS – Extremely durable.

Thanks to the use of high-quality special steels and a sophisticated forging process, STAHLWILLE spanners are particularly durable and robust. The non-slip finish means that all wrenches sit comfortably in the hand, even after prolonged use and the exertion of greater forces.

# STRONG



## Thinner.

The thin-walled diameter of our rings makes it easier to work in confined spaces. The ring wall is deeper than standard nuts, which prevents jamming.

## More varied.

STAHLWILLE offers a particularly large variety of metric, imperial, Spline-Drive and TORX® wrenches.

## More precise.

Extremely tight manufacturing tolerances with reproducible measurement accuracy make it possible for each wrench to be identical to the next. This ensures that both the jaw and the ring are always securely seated on the screw and that the best possible connection is achieved.



### More stable.

Our spanners are specially designed with additional reinforcement in the load zones where the greatest amount of force is transmitted – namely where the jaw meets the shank – in order to prevent deformation.



### Lighter.

Our open-ended, combination and ring spanners have an additional recess in the middle of the tool. Similar to the principle of a double T-beam, this provides a tremendous load capacity and maximum strength whilst reducing weight.



### Stronger.

The special AS-Drive profile makes high force transmission to the flats of nuts and bolts possible without damaging them. This also prevents stripping of the screw head.



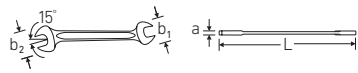
# DOUBLE OPEN-ENDED SPANNERS AND SETS.

## MOTOR 10



### Double open-ended spanners

- metric, differing end sizes
- straight design, jaws angled 15°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3110 / ISO 10102



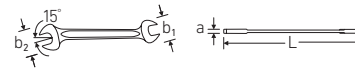
Product no.	□ mm	L mm	a mm	b <sub>1</sub> mm	b <sub>2</sub> mm	Δ g
40030405	4 x 5	100	3.4	12.5	14	11
40035507	5.5 x 7	120	3.7	14.8	17	17
40030607	6 x 7	120	3.7	15.5	17	17
40030708	7 x 8	140	4.0	17	18	25
40030809	8 x 9	140	4.0	18	21	27
40030810	8 x 10	140	4.5	18	23	33
40031011	10 x 11	155	4.8	23	26	47
40031012	10 x 12	170	5.3	23	28	51
40031013	10 x 13	170	5.3	23	30	57
40031113	11 x 13	170	5.3	26	30	55
40031213	12 x 13	170	5.3	28	30	75
40031214	12 x 14	170	5.3	28	32	63
40031314	13 x 14	190	5.3	30	32	70
40031315	13 x 15	190	5.3	30	35	73
40031317	13 x 17	205	5.8	30	38	92
40031415	14 x 15	190	5.3	32	35	81
40031417	14 x 17	205	5.8	32	38	99
40031617	16 x 17	205	5.8	36	38	100
40031618	16 x 18	220	6.7	36	40	125
40031719	17 x 19	220	6.7	38	42	131
40031819	18 x 19	220	6.7	40	42.5	147
40031821	18 x 21	235	7.3	40	47	170
40031922	19 x 22	235	7.3	42	49	179
40032022	20 x 22	235	7.3	45	49	185
40032123	21 x 23	250	7.8	47	51	225
40032124	21 x 24	250	7.8	47	53	215
40032224	22 x 24	250	7.8	49	53	225
40032426	24 x 26	270	8.3	53	57.5	293
40032427	24 x 27	280	8.3	53	60	299
40032528	25 x 28	285	8.3	55	62	309
40032730	27 x 30	300	9.4	60	66	412
40032732	27 x 32	300	9.4	60	70	418
40033032	30 x 32	300	9.4	66	70	450
40033034	30 x 34	300	9.4	66	75	480
40033236	32 x 36	325	10	70	80	546
40033436	34 x 36	325	10	75	80	619
40033641	36 x 41	375	11	80	88	800
40034146	41 x 46	425	12	88	94.5	980

## MOTOR 10a



### Double open-ended spanners

- imperial, differing end sizes
- straight design, jaws angled 15°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	□ mm	L mm	a mm	b <sub>1</sub> mm	b <sub>2</sub> mm	Δ g
40431620	1/4 x 5/16	140	4	16	18	21
40432024	5/16 x 3/8	140	4.5	18	23	34
40432428	3/8 x 7/16	155	4.8	23	26	48
40432832	7/16 x 1/2	170	5.3	26	30	58
40433234	1/2 x 9/16	190	5.3	30	32	73
40433436	9/16 x 5/8	205	5.8	32	36	96
40433538	19/32 x 11/16	205	5.8	35	40	105
40433638	5/8 x 11/16	205	5.8	36	40	101
40433640	5/8 x 3/4	220	6.7	36	42	135
40433840	11/16 x 3/4	220	6.7	40	42	135
40433842	11/16 x 13/16	235	7.3	40	47	167
40434044	3/4 x 7/8	235	7.3	42	49	177
40434142	25/32 x 13/16	235	7.3	45	47	190
40434446	7/8 x 15/16	250	7.8	49	53	235
40434648	15/16 x 1	270	8.3	53	55	270
40435258	11/8 x 15/16	300	9.4	64	75	502



### Offset Shaft Design

Our spanners are specially designed with additional reinforcement in the load zones where the greatest amount of force is transmitted - namely where the jaw meets the shank - in order to prevent deformation.

## MOTOR 10



### Double open-ended spanner sets

- **metric, differing** end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	∅ g
96400304	10/5	8 x 9; 10 x 11; 12 x 13; 14 x 15; 17 x 19 mm	5	490
96400305	10/8	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm	8	745
96400307	10/10	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm	10	1540
96400306	10/12	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm	12	2125

## MOTOR 10



### Double open-ended spanner set

- **metric, differing** end sizes in cardboard packaging

Product no.	Model	Contents	Content pcs.	∅ g
96400314	10/9N	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm	9	918

## MOTOR 10a



### Double open-ended spanner sets

- **imperial, differing** end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	∅ g
96404306	10a/7	$1/4 \times 5/16$ ; $3/8 \times 7/16$ ; $1/2 \times 9/16$ ; $5/8 \times 3/4$ ; $11/16 \times 13/16$ ; $7/8 \times 15/16$ ; $1 \times 1 1/8$ "	7	1242
96404307	10a/11	$1/4 \times 5/16$ ; $3/8 \times 7/16$ ; $1/2 \times 9/16$ ; $9/16 \times 5/8$ ; $11/32 \times 11/16$ ; $5/8 \times 3/4$ ; $11/16 \times 13/16$ ; $3/4 \times 7/8$ ; $25/32 \times 13/16$ ; $7/8 \times 15/16$ ; $1 \times 1 1/8$ "	11	2100

## TCS MOTOR 10/10 6x7-24x27



### Double open-ended spanner set

- **metric, differing** end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

10 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24; 24 x 27 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ g
96838187	350	175	66	1/3	10	1287

TOOLS THAT  
... inspire

Spanners

### TCS MOTOR 10/10 6x7-30x32



**Double open-ended spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 10-pieces:**

10 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96838182	350	350	30	2/3	10	1550

### TCS MOTOR 10/11 6x7-34x36



**Double open-ended spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 11-pieces:**

11 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32; 34 x 36 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96830167	350	175	80	1/3	11	2056

### TCS MOTOR 10/10 6x7-30x32MF



**Double open-ended spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 10-pieces:**

10 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96830353	350	175	75	1/3	10	1437

### TCS MOTOR 10a/9



**Double open-ended spanner set**

- imperial, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 9-pieces:**

9 double open-ended spanners **No. 10a:** 1/4 x 5/16; 3/8 x 7/16; 1/2 x 9/16; 19/32 x 11/16; 5/8 x 3/4; 3/4 x 7/8; 25/32 x 13/16; 15/16 x 1; 1 1/8 x 1 5/16"

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96838779	350	175	70	1/3	9	1555

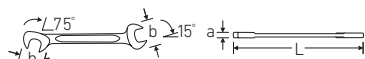


## ELECTRIC 12



## Small double open-ended spanners

- metric, identical end sizes
- straight design, jaws angled 15° and 75°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- Chrome Alloy Steel, chrome-plated



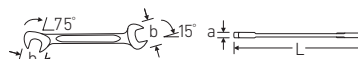
Product no.	mm	L mm	a mm	b mm	g
40063232	3.2	70	2	10.5	5
40063535	3.5	70	2	10.5	5
40060404	4	70	2	10.5	5
40064545	4.5	70	2	10.5	5
40060505	5	78	2	12.6	7
40065555	5.5	78	2	12.6	7
40060606	6	78	2	12.6	6
40060707	7	91	2	14.7	9
40060808	8	96	3	16.8	16
40060909	9	103	3	18.9	19
40061010	10	105	3	21	22
40061111	11	116	3	24.2	27
40061212	12	116	3	24.2	27
40061313	13	131	3	28.3	37
40061414	14	131	3	28.3	36

## ELECTRIC 12a



## Small double open-ended spanners

- imperial, identical end sizes
- straight design, jaws angled 15° and 75°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- Chrome Alloy Steel, chrome-plated



Product no.	mm	L mm	a mm	b mm	g
40461010	$\frac{5}{32}$	70	2	10.5	5
40461212	$\frac{3}{16}$	70	2	10.5	5
40461313	$\frac{13}{64}$	78	2	12.6	7
40461414	$\frac{7}{32}$	78	2	12.6	6
40461515	$\frac{15}{64}$	78	2	12.6	6
40461616	$\frac{1}{4}$	91	2	14.7	9
40461818	$\frac{9}{32}$	91	2	14.7	9
40462020	$\frac{5}{16}$	96	3	16.8	16
40462222	$\frac{11}{32}$	103	3	18.9	19
40462424	$\frac{3}{8}$	105	3	21	22
40462828	$\frac{7}{16}$	116	3	24.2	28
40463232	$\frac{1}{2}$	131	3	28.3	37
40463434	$\frac{9}{16}$	131	3	28.3	36

## ELECTRIC 12



## Double open-ended spanner sets

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	g
96400653	12/10	4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11 mm	10	161
96400651	12/15	3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm	15	296

## ELECTRIC 12a



## Double open-ended spanner set

- imperial, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

## Contains 13-pieces:

13 double open-ended spanners No. 12a:  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "

Product no.	Model	Content pcs.	g
96404654	12a/13	13	320

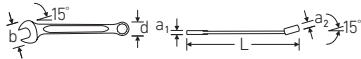
# COMBINATION SPANNERS AND SETS.

## OPEN BOX 13



**Combination spanners**

- metric, identical end sizes
- jaw angled 15°
- ring with bi-hex and AS-Drive profile
- ring-end cranked 15°
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3113 Form A / ISO 7738 Form A



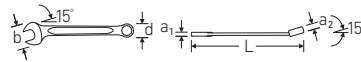
Product no.	mm	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	t mm	g
40085500	5.5	100	14.8	9.2	3.5	5.8	13	15
40080606	6	105	15.5	9.9	3.6	6	15	15
40080707	7	110	15.5	9.9	3.9	6	20	10
40080808	8	115	18	12.4	4.2	7	21	21
40080909	9	120	21	13.4	4.5	7	10	27
40081010	10	125	23	14.8	4.8	7	10	35
40081111	11	135	26	16.4	4.8	8	10	43
40081212	12	140	28	17.8	5.3	8.5	10	46
40081313	13	160	30	19.1	5.3	8.5	10	57
40081414	14	165	32	20.6	5.3	8.5	10	68
40081515	15	170	35	21.9	5.3	8.5	10	80
40081616	16	180	37	23.2	5.8	10	10	89
40081717	17	190	38	24.6	5.8	10	10	100
40081818	18	200	40	26	6.7	11.5	10	126
40081919	19	230	42	27.5	6.7	11.5	10	140
40082020	20	230	45	29	7	13	10	176
40082121	21	260	47	30.3	7.3	13	10	216
40082222	22	260	49	31.8	7.3	13	10	220
40082323	23	280	53	33.5	7.8	14	5	251
40082424	24	280	53	34.9	7.8	14	5	254
40082525	25	300	55	36.3	8.4	14.5	5	281
40082626	26	300	57.5	37.8	8.4	14.5	5	325
40082727	27	300	60	39.2	8.4	14.5	5	335
40082828	28	320	62	40.6	8.4	14.5	5	368
40082929	29	330	64	41.9	8.9	16	5	385
40083030	30	330	66	43.2	8.9	16	5	404
40083232	32	360	70	45.8	9.4	16.5	5	484
40083434	34	450	75	48	9.4	17	1	683
40083636	36	460	80	50.8	10	18	1	780
40083838	38	480	87	53.6	11	19	1	915
40084141	41	480	88	57.8	11	19	1	1020
40084646	46	500	94.5	65.2	13	20	1	1330
40085050	50	530	103	73	14	21	1	1600
40085555	55	560	114	81	15	22	1	2065
40086060	60	590	125	89.8	16	24	1	2725

## OPEN BOX 13a



**Combination spanners**

- imperial, identical end sizes
- jaw angled 15°
- ring with bi-hex and AS-Drive profile
- ring-end cranked 15°
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	"	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	g
40481212	3/16	95	14	9.8	3	3.2	10
40481313	13/64	95	14	9.8	3	3.2	10
40481414	7/32	95	14	9.8	3	3.2	10
40481515	15/64	95	14	9.8	3	3.2	10
40481616	1/4	105	15.5	10.2	3.6	6	14
40481818	9/32	110	17	11.3	3.9	6	15
40482020	5/16	115	18	12.4	4.2	7	20
40482222	11/32	120	21	13.4	4.5	7	26
40482424	3/8	125	23	14.3	4.8	7	32
40482828	7/16	135	26	16.4	4.8	8	41
40483232	1/2	160	30	18.8	5.3	8.5	57
40483434	9/16	165	32	20.6	5.3	8.5	70
40483535	19/32	170	35	21.9	5.3	8.5	74
40483636	5/8	180	37	23.2	5.8	10	88
40483838	11/16	200	40	25.3	6.7	11.5	116
40484040	3/4	230	42	27.5	6.7	11.5	144
40484141	25/32	235	45	29	7	13	175
40484242	13/16	260	47	30	7.3	13	204
40484444	7/8	260	49	31.8	7.3	13	217
40484646	15/16	280	53	34.9	7.8	14	255
40484848	1	300	55	37.2	8.4	14.5	286
40485050	1 1/16	300	60	39.2	8.4	14.5	327
40485252	1 1/8	330	64	41.4	8.9	16	380
40485454	1 3/16	332	66	43.2	8.9	16.5	398
40485656	1 1/4	360	70	45.8	9.4	16.5	504
40485858	1 5/16	450	74	47	9.6	17	617
40486060	1 3/8	460	80	49.3	10	18	796
40486262	1 7/16	461	80	51.4	10	18	760
40486464	1 1/2	480	87	53.6	11	19	950
40486666	1 5/8	480	88	58	11	19	1021
40486969	1 13/16	500	94.5	65.3	13	20	1343
40487070	1 7/8	530	103	68.4	14	21	1640
40487272	2	530	103	74	14	21	1700

## OPEN BOX 13



### Combination spanner sets

- **metric, identical** end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	∅ g
96400813	13/6	7; 8; 10; 13; 17; 19 mm	6	650
96400801	13/9	9; 10; 11; 12; 13; 14; 17; 19; 22 mm	9	758
96400802	13/11	8; 9; 10; 11; 12; 13; 14; 15; 17; 19; 22 mm	11	915
96400803	13/15	6; 7; 8; 9; 10; 11; 12; 13; 17; 19; 22; 24; 27; 30; 32 mm	15	2236
96400804	13/17	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm	17	1480

## OPEN BOX 13



### Combination spanner sets

- **metric, identical** end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	∅ g
96400808	13/10	8; 9; 10; 11; 12; 13; 14; 15; 17; 19 mm	10	746
96400816 <sup>1</sup>	13/16	7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm	16	1620
96400805 <sup>1</sup>	13/26	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 29; 30; 32 mm	26	4705

<sup>1</sup> loosely packed



Spanners

## OPEN BOX 13a



**Combination spanner sets**

- imperial, identical end sizes in cardboard packaging
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	⊘ g
96404803 <sup>1</sup>	13a/8	7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8"	8	900
96404812	13a/10	1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4"	10	750
96404804 <sup>1</sup>	13a/20	1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 1/4"	20	3180

<sup>1</sup> loosely packed

## TCS OPEN BOX 13/17 6-24



**Combination spanner set**

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 17-pieces:**

17 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830164	350	350	60	2/3	17	1615

## TCS OPEN BOX 13/17 6-24MF



**Combination spanner set**

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 17-pieces:**

17 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830351	350	350	60	2/3	17	1700

## TCS OPEN BOX 13/18 6-24



**Combination spanner set**

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 18-pieces:**

18 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96838183	350	530	35	3/3	18	2040



## TCS OPEN BOX 13/21 6-34

**Combination spanner set**

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 21-pieces:**

21 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830174	350	530	75	3/3	21	3710

## TCS OPEN BOX 13a/19

**Combination spanner set**

- imperial, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 19-pieces:**

19 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1"

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96838778	350	350	55	2/3	19	2000

## TCS OPEN BOX 13/25 5.5-34

**Combination spanner set**

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 25-pieces:**

25 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 29; 30; 32; 34 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96832096	350	530	80	3/3	25	4500

## TCS OPEN BOX 13a/23 3/16-1 1/8

**Combination spanner set**

- imperial, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 24-pieces:**

23 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ "  
1 adjustable spanner **No. 4025**: max. 34 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830885	350	530	35	3/3	24	2800

**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

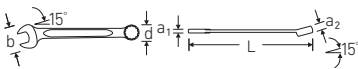
## Spanners

### 130a



#### Combination spanners

- imperial, identical end sizes
- jaw angled 15°
- ring with bi-hex and AS-Drive profile
- ring-end cranked 15°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- HPQ® high performance steel, chrome-plated
- Fed. Spec. GGG-W-636 E



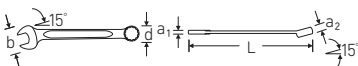
Product no.	Size	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	Δ g
40571616	1/4	105	14.2	9.8	3.6	6	15
40571818	9/32	110	15.5	10.9	4.1	6	16
40572020	5/16	115	17	12	4.5	7	20
40572222	11/32	120	19	13.1	4.9	7	25
40572424	3/8	125	20.5	14.1	5.2	7	32
40572828	7/16	135	23	16.2	6	8	42
40573232	1/2	150	27	18.2	6.5	8.5	61
40573434	9/16	165	30.5	20.6	7	8.5	78

### 130aSP



#### Combination spanners

- imperial, identical end sizes
- jaw angled 15°
- with Spline-Drive profile
- ring-end cranked 15°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- HPQ® high performance steel, chrome-plated
- Fed. Spec. GGG-W-636 E / MS-33787 / MIL-W-8982



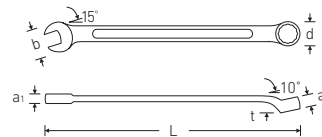
Product no.	Size	Size	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	Δ g
40581616	8	1/4	105	14.2	10	3.6	5.6	13
40582020	10	5/16	115	17	12.2	4.5	6.4	21
40582424	12	3/8	125	20.5	14.8	5.2	7	31
40582828	14	7/16	135	23	16.5	6	8	43
40583232	16	1/2	150	27	18.7	6.5	8.5	59
40583434	18	9/16	165	30.5	20.8	7	8.5	84

### OPEN BOX 14



#### Combination spanners

- metric, identical end sizes
- extra-long version for hard-to-reach bolted joints and greater force transmission
- jaw angled 15°
- ring with bi-hex and AS-Drive profile
- ring-end cranked 10°
- reinforcement between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3113 Form B / ISO 7738 Form B



Product no.	Size	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	t mm	Δ g
40100606	6	125	14	9.5	4.5	6	7	18
40100707	7	135	16	10.8	5	7	8	25
40100808	8	145	17.5	12.1	5	7	8	28
40100909	9	155	19	13.3	5.5	8	9	34
40101010	10	165	21	14.6	5.5	8	9	43
40101111	11	180	23.5	15.9	6	9	10	55
40101212	12	180	25.5	17.3	6	9	10	61
40101313	13	195	27.5	18.6	6.5	10	11	85
40101414	14	210	29.5	20.1	6.5	10	11	88
40101515	15	215	31	21.4	7	11	13	109
40101616	16	230	33	22.7	7	11	14	108
40101717	17	240	35	24.1	7.5	12	15	155
40101818	18	255	37	25.5	7.5	12	16	151
40101919	19	265	39.5	27	8	13	18	190
40102020	20	280	41.5	28.5	8	13	19	219
40102121	21	280	43	29.8	8.5	13	19	244
40102222	22	300	45	31.3	8.5	14	20	268
40102424	24	330	50	34.3	9.5	14	22	363
40102727	27	385	56	38.6	10.5	16	24	502
40103030	30	415	63	42.6	12	18	26	645
40103232	32	430	67	45.2	12	18	27	666
40103434	34	460	72	48	13	18	27	900
40103636	36	480	74	50.8	13	19	28	951
40104141	41	560	84	57.8	14	20	32	1322



#### High Performance Quality (HPQ®)

Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.

## OPEN BOX 14



### Combination spanner sets

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	△ g
96401006	14/11	8; 9; 10; 11; 12; 13; 14; 15; 17; 19; 22 mm	11	1137
96401004	14/15	6; 7; 8; 9; 10; 11; 12; 13; 17; 19; 22; 24; 27; 30; 32 mm	15	3370
96401005	14/17	6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm	17	1874

## OPEN BOX 14



### Combination spanner set

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	△ g
96401007	14/10	8; 10; 11; 12; 13; 14; 16; 17; 18; 19 mm	10	1235



### Anti-Slip-Drive

The special AS-Drive profile makes high force transmission to the flats of screws and bolts possible without damaging them. This also prevents stripping of the screw head.

## TCS OPEN BOX 14/21 6-36



### Combination spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

### Contains 21-pieces:

21 combination spanners No. 14: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 36 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△ g
96838771	350	530	75	3/3	21	4988

## 4014



### Combination spanners

- metric, identical end sizes
- jaw angled 15°
- ring with bi-hex
- ring-end cranked 10°
- Chrome Alloy Steel, chrome-plated



Product no.	△ mm	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	t mm	△ g
40146565	65	710	133	98	22	33	49.5	4500
40147070	70	760	143	105	24	35	53.5	5500
40147575	75	810	153	110	26	38	57.5	6500
40148080	80	860	163	119	28	41	63.5	8000

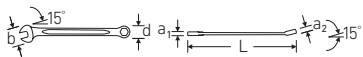
## Spanners

### OPEN BOX 16



#### Combination spanners

- metric, identical end sizes
- jaw angled 15°
- ring with hex
- ring-end cranked 15°
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- Chrome Alloy Steel, chrome-plated
- ISO 3318



Product no.	Ø mm	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	⊘ g
40093232	3.2	75	10	6.6	3	3.2	6
40093535	3.5	75	10	6.6	3	3.2	6
40094040	4	85	12.5	7.8	3	3.2	9
40094545	4.5	85	12.5	7.8	3	3.2	8
40095050	5	95	14	9.8	3	3.2	11

### OPEN BOX 16/5



#### Combination spanner set

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 5-pieces:

5 combination spanners **No. 16:** 3.2; 3.5; 4; 4.5; 5 mm

Product no.	Model	Content pcs.	⊘ g
96400902	16/5	5	46

### MIXED SPANNER SETS

#### TCS 9 821/28



#### Spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 28-pieces:

13 combination spanners **No. 14:** 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm

15 double open-ended spanners **No. 12:** 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830272	350	530	70	3/3	28	4143

#### TCS 4 821/22



#### Spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 22-pieces:

16 combination spanners **No. 13:** 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

1 adjustable spanner **No. 4025:** max. 34 mm

5 combination ratchet spanners, flat **No. 17F:** 8; 10; 13; 17; 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830267	350	350	40	2/3	22	2700

## TCS 10/13/24/30



## Spanner set

- metric end sizes
- safely integrated in the modular Tool Control System (TCS)

## Contains 30-pieces:

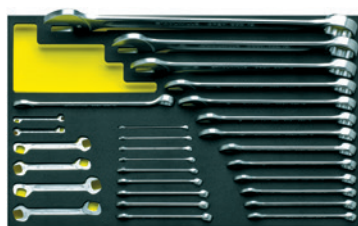
9 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm

20 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 double-ended open-ring spanner, angled **No. 24:** 10 x 11 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830605	350	530	75	3/3	30	3724

## TCS 12/13/14/29



## Spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

## Contains 29-pieces:

6 double open-ended spanners **No. 12:** 5.5; 12; 14 mm (x 2)

22 combination spanners **No. 13:** 6; 7 (x 2); 8; 9; 10; 11 (x 2); 12; 13; 14; 15; 16; 17; 18; 19; 20; 22; 24; 30; 32; 36 mm

1 combination spanner **No. 14:** 17 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830193	350	530	80	3/3	29	3752

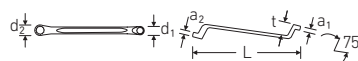
## DOUBLE-ENDED RING SPANNERS AND SETS.

## StahlwilleSTABIL® 20

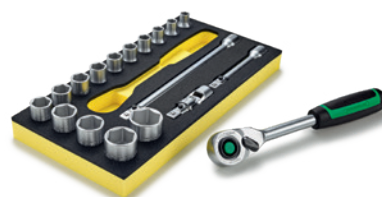


## Double-ended ring spanners

- metric, differing end sizes
- deeply cranked
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	Ø mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	a <sub>1</sub> mm	a <sub>2</sub> mm	t mm	± g
41040607	6 x 7	165	10.5	11.8	6	7	18	46
41040809	8 x 9	180	13.1	14.5	7	8	20	62
41040810	8 x 10	180	13.1	15.8	7	9	21	61
41041011	10 x 11	200	15.8	17.2	9	9	23	93
41041013	10 x 13	220	15.8	20	9	10	25	122
41041213	12 x 13	220	18.6	20	9	10	25	126
41041317	13 x 17	245	20	25.3	10	12	27	169
41041415	14 x 15	245	21.3	22.6	10	12	27	163
41041617	16 x 17	255	23.9	25.3	11	12	27	181
41041719	17 x 19	270	25.3	28	12	13	29	220
41041819	18 x 19	275	26.6	28	12	13	29	220
41041821	18 x 21	300	26.6	30.7	12	13	31	279
41041922	19 x 22	300	28	32.1	13	14	31	315
41042022	20 x 22	300	29.4	32.1	13	14	31	317
41042123	21 x 23	315	30.7	33.4	13	14	31	312
41042124	21 x 24	330	30.7	34.7	13	14	34	384
41042224	22 x 24	330	32.1	34.7	14	14	34	368
41042426	24 x 26	330	34.7	37.3	14	15	34	427
41042427	24 x 27	330	34.7	38.6	14	15	34	447
41042528	25 x 28	350	36	40	14	15	34	414
41042730	27 x 30	360	38.3	42.6	15	15	37	595
41042732	27 x 32	360	39.3	47.2	15	16	37	596
41043032	30 x 32	365	42.6	45.4	15	16	37	640
41043034	30 x 34	365	42.6	48	15	16	37	660
41043641	36 x 41	440	53	60	17	18	40	1015
41044650	46 x 50	535	65.2	73	19	20	45	1709



## Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, workshop trolleys and workshop benches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

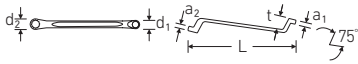
Spanners

## StahlwilleSTABIL® 20a



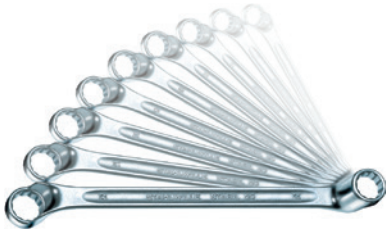
**Double-ended ring spanners**

- imperial, differing end sizes
- deeply cranked
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	a <sub>1</sub> mm	a <sub>2</sub> mm	t mm	Δ g
41441620	1/4 x 5/16	180	11.8	13.1	7	7	20	55
41442428	3/8 x 7/16	200	15.8	17.2	9	9	23	88
41443234	1/2 x 9/16	220	20	21.3	9	10	25	120
41443436	9/16 x 5/8	245	21.3	25.3	10	12	27	168
41443538	19/32 x 11/16	255	23.9	25.3	11	12	27	175
41443640	5/8 x 3/4	270	23.9	28	12	13	29	235
41443842	11/16 x 13/16	300	25.3	30.7	12	13	31	280
41444044	3/4 x 7/8	300	28	32.1	13	14	31	299
41444142	25/32 x 13/16	300	29.4	32.1	13	14	31	333
41444466	7/8 x 15/16	330	32.1	34.7	14	14	34	363
41444648	15/16 x 1	330	34.7	37.3	14	15	34	419
41445258	1 1/8 x 1 5/16	365	42.6	45.4	15	16	37	581

## StahlwilleSTABIL® 20



**Double-ended ring spanner sets**

- metric, differing end sizes in cardboard packaging

Product no.	Model	Contents	Content pcs.	Δ g
96410408	20/7	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19 mm	7	930
96410405	20/8	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm	8	1220
96410409	20/9	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm	9	1615
96410407	20/10	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm	10	2331
96410406	20/12	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm	12	3137

## StahlwilleSTABIL® 20a



**Double-ended ring spanner sets**

- imperial, differing end sizes in cardboard packaging

Product no.	Model	Contents	Content pcs.	Δ g
96414402	20a/6	1/4 x 5/16; 3/8 x 7/16; 1/2 x 9/16; 5/8 x 3/4; 11/16 x 13/16; 7/8 x 15/16"	6	1200
96414405	20a/10	1/4 x 5/16; 3/8 x 7/16; 1/2 x 9/16; 5/8 x 3/4; 11/16 x 13/16; 7/8 x 15/16; 19/32 x 11/16; 5/8 x 3/4; 11/16 x 13/16; 3/4 x 7/8; 25/32 x 13/16; 7/8 x 15/16"	10	2200

## TCS StahlwilleSTABIL® 20/10 6x7-30x32



**Double-ended ring spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 10-pieces:**

10 double-ended ring spanners **No. 20:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96830166	350	350	45	2/3	10	2500

## TCS StahlwilleSTABIL® 20/8 6x7-19x22MF



**Double-ended ring spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 8-pieces:**

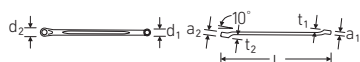
8 double-ended ring spanners **No. 20:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96830356	350	175	45	1/3	8	1323

## CORONA 23

**Double-ended ring spanners**

- metric, differing end sizes
- flat cranked
- bi-hex
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 897 / ISO 10104



Product no.	□	L	d <sub>1</sub>	d <sub>2</sub>	a <sub>1</sub>	a <sub>2</sub>	t <sub>1</sub>	t <sub>2</sub>	△
	mm	mm	mm	mm	mm	mm	mm	mm	g
41070607	6 x 7	170	9.5	10.8	6	7	7	8	41
41070809	8 x 9	179	12.1	13.3	7	8	8	9	49
41071011	10 x 11	188	14.6	15.9	8.5	9.5	9	10	66
41071213	12 x 13	203	17.3	18.6	9.5	10.5	10	11	78
41071415	14 x 15	219	20.1	21.4	10.5	11.5	11	13	109
41071617	16 x 17	248	22.7	24.1	11.5	12.5	14	15	144
41071719	17 x 19	250	24.1	27	12.5	13.5	15	18	162
41071819	18 x 19	251	25.5	27	12.5	13.5	16	18	157
41072022	20 x 22	280	28.5	31.3	13.5	14.5	19	20	223
41072123	21 x 23	328	29.8	32.9	13.5	14.5	19	22	281
41072427	24 x 27	376	34.3	38.6	14.5	16	22	24	426
41073032	30 x 32	429	42.6	45.2	18	18	26	27	608

## CORONA 23/8

**Double-ended ring spanner set**

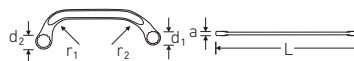
- metric, differing end sizes in cardboard packaging

Product no.	Model	Contents	Content pcs.	△
				g
96410704	23/8	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm	8	870

## STARTER 27

**Double-ended ring spanners**

- metric, differing end sizes
- suitable for working in confined spaces
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- ISO 3318

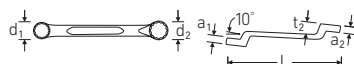


Product no.	□	L	a	d <sub>1</sub>	d <sub>2</sub>	r <sub>1</sub>	r <sub>2</sub>	△
	mm	mm	mm	mm	mm	mm	mm	g
41091012	10 x 12	150	6.5	16.5	19.5	35	60	53
41091113	11 x 13	150	6.5	16.5	19.5	35	60	50
41091416	14 x 16	179	7.5	21	24.5	36	64	91
41091417	14 x 17	179	7.5	21	24.5	36	64	89
41091517	15 x 17	184	7.5	22.5	25	38	66	96
41091618	16 x 18	200	8.5	25.3	27.5	47	68	130
41091922	19 x 22	225	9	28	32	48	67	164

## 180a

**Double-ended ring spanners**

- imperial, differing end sizes
- short, flat cranked
- bi-hex
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated
- Fed. Spec. GGG-W-636 E / S.B.A.C. Techn. Spec. T.S. 48 up to 1/2"



Product no.	□	L	d <sub>1</sub>	d <sub>2</sub>	a <sub>1</sub>	a <sub>2</sub>	t <sub>1</sub>	t <sub>2</sub>	△
	"	mm	mm	mm	mm	mm	mm	mm	g
41601620	1/4 x 5/16	107	10.2	11.8	7	8	7.2	7.4	26
41602428	3/8 x 7/16	122	14.6	16.7	6.7	7.8	9	10	42
41603234	1/2 x 9/16	141	18.5	20.7	8.7	9.5	11	12	62
41603436	9/16 x 5/8	148	20.7	22.6	9.5	10.5	11.5	12.5	90

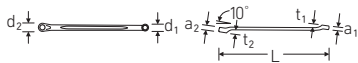
Spanners

## 230a



**Double-ended ring spanners**

- imperial, differing end sizes
- flat cranked
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated
- SAE AS 954 (dimensions and test values) / Fed. spec. GGG-W-636E / S.B.A.C. Techn. spec. T.S. 48 to 1/2"



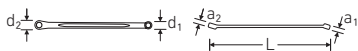
Product no.	Size	L mm	d1 mm	d2 mm	a1 mm	a2 mm	t1 mm	t2 mm	g
41611620	1/4 x 5/16	180	10.2	11.9	5.2	6	7.9	8.8	45
41612022	5/16 x 11/32	195	11.9	13.5	7	8	8	9	45
41612024	5/16 x 3/8	195	11.9	14.6	6	7.9	10.8	12.4	54
41612428	3/8 x 7/16	215	14.6	16.7	7.9	8.7	11.4	11.7	74
41612832	7/16 x 1/2	225	16.7	19.5	8.7	9.1	11.9	12.6	105
41613234	1/2 x 9/16	235	19.5	20.7	9.1	9.5	12.2	12.9	110
41613436	9/16 x 5/8	245	20.7	22.6	9.5	11.5	13.8	13.9	122
41613640	5/8 x 3/4	274	22.6	27.5	11.1	12	14.8	15.8	160
41613840	11/16 x 3/4	275	25.4	27.5	11.1	12	15.2	15.8	190
41614244	13/16 x 7/8	301	29.5	31.7	13.5	14.5	19	20	260
41614648	15/16 x 1	340	34.1	36.5	14.5	15	22	23	375
41614850	1 x 1 1/16	368	36.5	38.6	15	16	23	24	460
41615256	1 1/8 x 1 1/4	403	40.8	45	16	18	25	27	620

## 220



**Double-ended ring spanners**

- metric, differing end sizes
- cranked 15°
- bi-hex with AS-Drive profile
- extra long design for less effort with constant torque
- suitable for working in confined spaces
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated



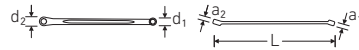
Product no.	Size	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
41035507	5.5 x 7	185	8.8	11	5.3	5.8	28
4103608	6 x 8	205	9.8	12.1	5.6	6	34
41030911	9 x 11	250	14.2	16.7	8	8.7	80
41031011	10 x 11	250	15.5	16.7	8	8.7	80
41031214	12 x 14	290	18.3	20.7	9.5	9.5	162
41031314	13 x 14	290	18.7	20.7	9.5	9.5	160
41031719	17 x 19	365	25	27.5	11	12	296
41031819	18 x 19	365	25.5	27.5	11	12	295
41031922	19 x 22	408	27.5	31.5	13	14.3	520
41032022	20 x 22	409	28.5	31.5	13	14.3	515

## 220a



**Double-ended ring spanners**

- imperial, differing end sizes
- cranked 15°
- bi-hex with AS-Drive profile
- extra long design for less effort with constant torque
- suitable for working in confined spaces
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E (test values)



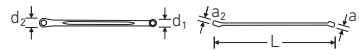
Product no.	Size	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
41431416	7/32 x 1/4	184	9	9.9	5.3	5.8	29
41431620	1/4 x 9/16	205	9.9	12.2	5.6	6	33
41432428	3/8 x 7/16	250	14	16	8	8.7	79
41433234	1/2 x 9/16	290	18.5	21	9.5	9.5	160
41433640	5/8 x 3/4	363	22.6	27	11	12	298
41433840	11/16 x 3/4	365	25	27	11	12	291

## 220aSP



**Double-ended ring spanners**

- imperial, differing end sizes
- with Spline-Drive profile
- cranked 15°
- extra long design for less effort with constant torque
- suitable for working in confined spaces
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



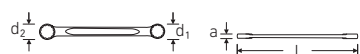
Product no.	Size	Size	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
41160709	7 x 9	7/32 x 9/32	185	9.4	11.5	5.3	5.8	28
41160810	8 x 10	1/4 x 5/16	205	10.4	12.4	5.6	6	33
41161214	12 x 14	3/8 x 7/16	250	14.9	17	8	8.7	79
41161618	16 x 18	1/2 x 9/16	290	19	21	9.5	9.5	161
41161820	18 x 20	9/16 x 5/8	315	21	23	10	11	205
41162224	22 x 24	11/16 x 3/4	365	25	27.5	11	12	310
41162630	26 x 30	13/16 x 15/16	410	29.5	34	13	14.3	496
41162832	28 x 32	7/8 x 1	430	32	36.5	13.5	15	582

## StahlwilleSTABIL® 21



### Double-ended ring spanners

- metric, differing end sizes
- straight version
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 837 / ISO 10103



Product no.	Size mm	L mm	a mm	d <sub>1</sub> mm	d <sub>2</sub> mm	Δ g
41050607	6 x 7	100	4.5	9.6	11	14
41050809	8 x 9	115	5.5	12.5	14	19
41050810	8 x 10	115	6	12.5	15.4	18
41051011	10 x 11	130	6	15.4	16.6	30
41051213	12 x 13	150	6.5	18.2	19.5	42
41051317	13 x 17	165	8	19.5	25	57
41051415	14 x 15	165	7.5	21	22.5	55
41051617	16 x 17	170	8	23.8	25	68
41051719	17 x 19	185	8	25	27.6	78
41051819	18 x 19	185	9	26.3	27.6	84
41051821	18 x 21	210	9	26.3	30.5	107
41051922	19 x 22	210	9	27.6	32.4	109
41052022	20 x 22	210	9	29	32.4	109
41052124	21 x 24	235	10	30.5	34.7	128
41052427	24 x 27	290	11	34.7	38.5	225
41052732	27 x 32	320	12	38.5	45.5	283
41053032	30 x 32	325	12	43	45.5	289
41053034	30 x 34	325	12	43	48.5	307

## StahlwilleSTABIL® 21



### Double-ended ring spanner sets

- metric, differing end sizes in cardboard packaging

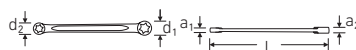
Product no.	Model	Contents	Content pcs.	Δ g
96410503	21/7	8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm	7	397
96410501	21/10	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm	10	943

## 21TX



### Double-ended ring spanners

- differing end sizes
- straight version
- for external TORX® screws
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



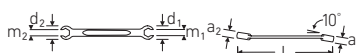
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	a <sub>1</sub> mm	a <sub>2</sub> mm	Δ g
41250608	E6 x E8	115.5	9.6	11.6	4.5	5.5	17
41251012	E10 x E12	149.5	13.7	15.7	6.5	7.5	33
41251418	E14 x E18	185	17.8	22.5	8	9.5	71
41252024	E20 x E24	227	24.7	29.2	10.5	12.5	129

## OPEN RING 24



### Double-ended open-ring spanners, angled

- metric, differing end sizes
- cranked 10°
- hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3118 / ISO 3318



Product no.	Size mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	a <sub>1</sub> mm	a <sub>2</sub> mm	m <sub>1</sub> mm	m <sub>2</sub> mm	Δ g
41080810	8 x 10	145	17.5	19.5	7	8.5	6.3	7.1	39
41080911	9 x 11	155	18.5	21.5	8.5	9	6.7	8.6	54
41081011	10 x 11	155	19.5	21.5	8.5	9	7.1	8.6	55
41081012	10 x 12	160	19.5	22.5	8.5	9.5	7.1	9	59
41081113	11 x 13	170	21.5	24	9	10	8.6	10	80
41081214	12 x 14	180	24	26	9.5	10.5	9	11	89

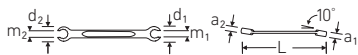
Spanners

## OPEN RING 24



**Double-ended open-ring spanners, angled**

- metric, differing end sizes
- cranked 10°
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3118 / ISO 3318



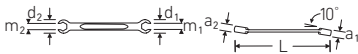
Product no.	Art. No.	L mm	d1 mm	d2 mm	a1 mm	a2 mm	m1 mm	m2 mm	Weight g
41081417	14 x 17	200	26	30	10.5	12	11	14	115
41081719	17 x 19	220	30	33	12	13	14	15.8	150
41081922	19 x 22	230	33	37	13	15	15.8	17	192
41082224	22 x 24	245	37	40.5	15	16	17	18	251
41082427	24 x 27	270	40.5	44.5	16	17.5	18	20	310
41082736	27 x 36	300	42	54	16	19	20	27	414
41083032	30 x 32	300	48.5	50.5	20	22	22	24	455

## OPEN RING 24a



**Double-ended open-ring spanners, angled**

- imperial, differing end sizes
- cranked 10°
- hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



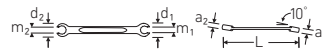
Art. No.	Art. No.	L mm	d1 mm	d2 mm	a1 mm	a2 mm	m1 mm	m2 mm	Weight g
41481620	1/4 x 5/16	105	16.5	18	5.5	7	3.7	5	32
41482024	5/16 x 3/8	145	17.5	19.5	7	8.5	6.3	7.1	39
41482428	3/8 x 7/16	155	19.5	21.5	8.5	9	7.1	8.6	57
41483234	1/2 x 9/16	180	24	26	9.5	10.5	9.5	11	87

## OPEN RING 24a



**Double-ended open-ring spanners, angled**

- imperial, differing end sizes
- cranked 10°
- bi-hex with AS-Drive profile
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Art. No.	Art. No.	L mm	d1 mm	d2 mm	a1 mm	a2 mm	m1 mm	m2 mm	Weight g
41483640	5/8 x 3/4	218	29	33	12	13	12.7	15.8	148
41484048	3/4 x 1	232	33	40.2	13	16	15.8	19	199

## TCS OPEN RING 24/7 8x10-19x22



**Double-ended open-ring spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 7-pieces:**

7 double-ended open-ring spanners, angled **No. 24:** 8 x 10; 10 x 11; 11 x 13; 12 x 14; 14 x 17; 17 x 19; 19 x 22 mm

Product no.	L mm	W mm	H mm	Content pcs.	Weight g
96838758	350	175	35	7	780

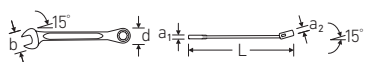
## COMBINATION RATCHET SPANNERS AND SETS.

### OPEN RATCH 17



#### Combination ratchet spanners

- metric, identical end sizes
- jaw angled 15°
- ring with bi-hex
- ring-end cranked 15°
- integrated ratchet with 72 teeth, with a working angle of 5°
- controlled right/left tightening using the switch on the ring
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	Ø mm	L mm	b mm	d mm	a <sub>1</sub> mm	a <sub>2</sub> mm	∅ g
41170808	8	144	17	18.0	4.7	7.4	45
41170909	9	150	18.8	19.5	5.3	7.4	54
41171010	10	158	21.7	21.0	5.7	8.4	65
41171111	11	165	23	22.0	6.1	8.4	71
41171212	12	173	25.2	23.5	6.4	8.4	85
41171313	13	182	26.5	25.0	6.6	8.4	94
41171414	14	190	29.5	26.5	7.3	8.4	117
41171515	15	202	31.3	28.0	7.5	8.4	131
41171616	16	215	33.4	29.0	7.7	10.0	156
41171717	17	229	36.3	30.5	7.9	10.0	178
41171818	18	240	38	32.0	8.4	11.5	212
41171919	19	252	39	34.0	8.7	11.5	235
41172121	21	275	43.5	38.0	9.0	12.5	294
41172222	22	285	46.5	41.0	10.0	13.5	339
41172424	24	296	48.5	45.0	11.0	13.5	425

### OPEN RATCH 17



#### Combination ratchet spanner sets

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	∅ g
96411705	17/5	8; 10; 13; 17; 19 mm	5	732
96411712	17/12	8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm	12	1745
96411715	17/15	8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm	15	3060

### TCS OPEN RATCH 17/5



#### Combination ratchet spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 combination ratchet spanners **No. 17**: 8; 10; 13; 17; 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ g
96830650	350	175	40	1/3	5	780



## Spanners

### TCS OPEN RATCH 17/12



#### Combination ratchet spanner set

- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 12-pieces:

12 combination ratchet spanners **No. 17**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

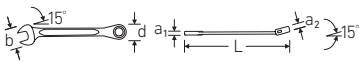
Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830649	350	175	80	1/3	12	1460

### OPEN RATCH 17a



#### Combination ratchet spanners

- imperial, identical end sizes
- jaw angled 15°
- ring with bi-hex
- ring-end cranked 15°
- integrated ratchet with 72 teeth, with a working angle of 5°
- controlled right/left tightening using the switch on the ring
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	⚖	L mm	b mm	d mm	⚖ g
41471616	1/4	134	18	17.5	34
41472020	5/16	141	18	18	36
41472424	3/8	156	22	21	64
41472828	7/16	160	22	22	68
41473232	1/2	180	26	25	86
41473434	9/16	190	29	26.5	104
41473636	5/8	210	28	29	150
41473838	11/16	226	35	30.5	168
41474040	3/4	252	39	34.5	218
41474242	13/16	272	43	38	288
41474444	7/8	281	46	41	370
41474848	1	295	48	45	426

### OPEN RATCH 17a



#### Combination ratchet spanner sets

- imperial, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	⚖ g
96411709	17a/5	1/4; 5/16; 3/8; 7/16; 9/16"	5	450
96411713	17a/12	1/4; 5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 1"	12	2440

### TCS OPEN RATCH 17a/5



#### Combination ratchet spanner set

- imperial, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 combination ratchet spanners **No. 17a**: 1/4; 5/16; 3/8; 7/16; 9/16"

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830653	350	175	40	1/3	5	350



#### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, workshop trolleys and workshop benches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

## TCS OPEN RATCH 17a/12



### Combination ratchet spanner set

- imperial, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 12-pieces:

12 combination ratchet spanners **No. 17a**: 1/4; 5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 1"

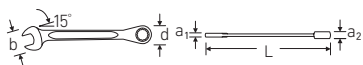
Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830654	350	175	50	1/3	12	2100

## OPEN RATCH 17F



### Combination ratchet spanners

- metric, identical end sizes
- flat version
- ring with bi-hex
- jaw angled 15°
- integrated ratchet with 72 teeth, with a working angle of 5°
- change direction by flipping the spanner over
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated



Product no.	Ø mm	L mm	b mm	d mm	± g
40170808	8	145	15	18.0	38
40170909	9	150	20	19.5	50
40171010	10	160	20	21.0	58
40171111	11	165	20	22.0	69
40171212	12	170	25	23.5	88
40171313	13	180	25	25.0	98
40171414	14	185	25	26.5	115
40171515	15	200	30	28.0	133
40171616	16	225	30	29.0	154
40171717	17	230	35	30.5	176
40171818	18	240	40	32.0	210
40171919	19	255	40	34.0	241
40172121	21	275	42	38.0	283
40172222	22	285	45	41.0	343
40172424	24	295	47	45.0	447

## OPEN RATCH 17F



### Combination ratchet spanner sets

- metric, identical end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	± g
96401705	17F/5	8; 10; 13; 17; 19 mm	5	744
96411708	17F/6	8; 10; 12; 13; 17; 19 mm	6	860
96401712	17F/12	8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm	12	1700
96401715	17F/15	8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm	15	3060

## TCS OPEN RATCH 17F/5



### Combination ratchet spanner set

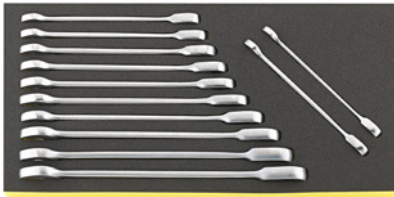
- metric, identical end sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830652	350	175	30	1/3	5	722

## TCS OPEN RATCH 17F/12



### Combination ratchet spanner set

- **metric, identical** end sizes
- safely integrated in the modular Tool Control System (TCS)

### Contains 12-pieces:

12 combination ratchet spanners, flat **No. 17F**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊕ g
96830651	350	175	30	1/3	12	1550

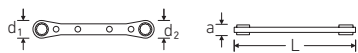
## DOUBLE-ENDED RATCHET RING SPANNERS AND SETS.

### 25



### Double-ended ratchet ring spanners

- **metric, differing** end sizes
- bi-hex with AS-Drive profile
- straight version
- 22 teeth
- chrome-plated



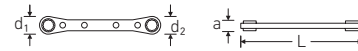
Product no.	⊖ mm	L mm	a mm	d <sub>1</sub> mm	d <sub>2</sub> mm	⊕ g
41130708	7 x 8	109	9	15	17	55
41130910	9 x 10	139	9	20	23	80
41131011	10 x 11	170	12	26	30	144
41131213	12 x 13	170	12	26	30	135
41131415	14 x 15	170	12	26	30	126
41131618	16 x 18	205	12	33	36	196
41131719	17 x 19	205	12	33	36	188

### 25a



### Double-ended ratchet ring spanners

- **imperial, differing** end sizes
- bi-hex with AS-Drive profile
- straight version
- 22 teeth
- made completely of steel, chrome-plated
- Fed. Spec. GGG-W-001405



Product no.	⊖ "	L mm	a mm	d <sub>1</sub> mm	d <sub>2</sub> mm	⊕ g
41561620	1/4 x 5/16	109	9	15	17	60
41562022	5/16 x 11/32	109	9	15	17	60
41562428	3/8 x 7/16	139	9	20	23	90
41563234	1/2 x 9/16	174	12	26	30	160
41563638	5/8 x 11/16	205	12	33	36	257
41564044	3/4 x 7/8	235	13	36	40	296
41564246	13/16 x 15/16	235	12	36	40	281

### 25



### Double-ended ratchet ring spanner sets

- **metric, differing** end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	⊕ g
96411302	25/4	9 x 10; 12 x 13; 14 x 15; 17 x 19 mm	4	556
96411301	25/7	7 x 8; 9 x 10; 10 x 11; 12 x 13; 14 x 15; 16 x 18; 17 x 19 mm	7	1150

## 25a

**Double-ended ratchet ring spanner set**

- imperial, differing end sizes
- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 7-pieces:**

7 double-ended ratchet ring spanners **No. 25a:**  $\frac{1}{4} \times \frac{5}{16}$ ;  $\frac{5}{16} \times \frac{11}{32}$ ;  $\frac{3}{8} \times \frac{7}{16}$ ;  $\frac{1}{2} \times \frac{9}{16}$ ;  $\frac{5}{8} \times \frac{11}{16}$ ;  $\frac{3}{4} \times \frac{7}{8}$ ;  $\frac{13}{16} \times \frac{15}{16}$ "

Product no.	Model	Content pcs.	⚖ g
96415601	25a/7	7	1271

## TCS 25/7

**Double-ended ratchet ring spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 7-pieces:**

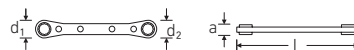
7 double-ended ratchet ring spanners **No. 25:** 7 x 8; 9 x 10; 10 x 11; 12 x 13; 14 x 15; 16 x 18; 17 x 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96838751	350	175	30	1/3	7	1015

## 25aSP

**Double-ended ratchet ring spanners**

- imperial, differing end sizes
- straight
- with Spline-Drive profile
- 22 teeth
- chrome-plated

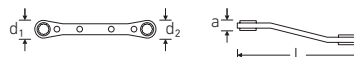


Product no.	Size	⚖ "	L mm	a mm	d1 mm	d2 mm	⚖ g
41570810	8 x 10	$\frac{1}{4} \times \frac{5}{16}$	109	9	15	17	59
41571214	12 x 14	$\frac{3}{8} \times \frac{7}{16}$	139	9	20	23	84
41571618	16 x 18	$\frac{1}{2} \times \frac{9}{16}$	174	12	26	30	153
41572022	20 x 22	$\frac{5}{8} \times \frac{11}{16}$	205	12	33	36	250
41572428	24 x 28	$\frac{3}{4} \times \frac{7}{8}$	235	13	36	40	279

## 26a

**Double-ended ratchet ring spanners**

- imperial, differing end sizes
- reversible
- bi-hex with AS-Drive profile
- cranked
- 22 teeth
- chrome-plated



Product no.	⚖ "	L mm	a mm	d1 mm	d2 mm	⚖ g
41551620	$\frac{1}{4} \times \frac{5}{16}$	109	9	15	17	55
41552428	$\frac{3}{8} \times \frac{7}{16}$	139	9	20	23	80
41553234	$\frac{1}{2} \times \frac{9}{16}$	170	12	26	30	140

TOOLS THAT  
... inspire

Spanners

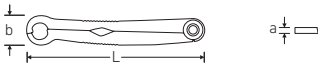
**FASTRATCH SPANNERS AND SETS.**

**FastRatch 240**



**Ratchet spanners**

- particularly suitable for union joints
- suitable for both metric and imperial nuts/bolts
- slim ergonomic design
- made from stainless, tempered steel
- DBGM (German Federal Utility Model)
- patented



Product no.	Ø mm	Ø"	L mm	a mm	b mm	Δ g
41100808	8	5/16	121.4	4	16	60
41101010	10	3/8	133.3	4	20	70
41101111	11	7/16	140.4	5	23	103
41101212	12	15/32	146.3	5	25	100
41101313	13	1/2	168.4	6	26.8	154
41101414	14	9/16	174.6	6	29.6	180
41101616	16	5/8	191.3	7	32.8	270
41101717	17	21/32	201.7	7	34.3	292
41101818	18	11/16	212.8	7	36.2	310
41101919	19	3/4	238.5	7	38.5	367

**FastRatch 240**



**Ratchet spanner sets**

- in robust polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Product no.	Model	Contents	Content pcs.	Δ g
96411003	240/4	8 mm - 5/16"; 10 mm - 3/8"; 11 mm - 7/16"; 14 mm - 9/16"	4	510
96411005	240/5	10 mm - 3/8"; 11 mm - 7/16"; 14 mm - 9/16"; 17 mm - 21/32"; 19 mm - 3/4"	5	1122
96411006	240/6	8 mm - 5/16"; 10 mm - 3/8"; 13 mm - 1/2"; 14 mm - 9/16"; 17 mm - 21/32"; 19 mm - 3/4"	6	1230

**TCS FastRatch 240/6**



**Ratchet spanner set**

- safely integrated in the modular Tool Control System (TCS)

**Contains 6-pieces:**

6 ratchet spanners **No. 240**: 10-<sup>3</sup>/<sub>8</sub>; 11-<sup>7</sup>/<sub>16</sub>; 13-<sup>1</sup>/<sub>2</sub>; 14-<sup>9</sup>/<sub>16</sub>; 17-<sup>21</sup>/<sub>32</sub>; 19-<sup>3</sup>/<sub>4</sub> mm-

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96838774	350	175	35	1/3	6	1163



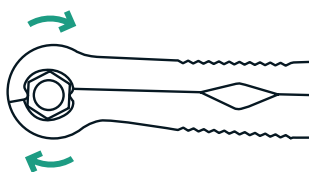
# STAHLWILLE FASTRATCH 240 –

The spanner with a difference.



### Slim.

The particularly slim design of the FastRatch 240 enables work in confined spaces.



### Quick.

No more repositioning, thanks to patented ratchet technology. Our video shows you exactly how this works.



[qr.stahlwille.com/cqng8w](http://qr.stahlwille.com/cqng8w)



### Reliable.

Placed over the nut or screw, it enables safe and quick tightening – without repositioning. The 'self-clamping effect' ensures safety and stops slips, preventing the rounding off of the head. Thanks to the integrated closing spring, it reliably grips screws and nuts, even when tension is released.



### Unique.

The STAHLWILLE FastRatch 240 combines the advantages of an open-ended spanner with those of a ratchet ring spanner. Thanks to the patented 'opening ring' technology, the FastRatch can operate without problems even on tricky jobs such as pipe fittings, where only an open-ended spanner could otherwise be used.

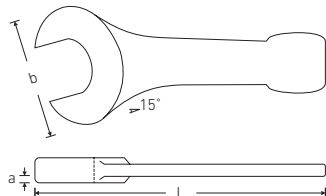
# OPEN-ENDED STRIKING SPANNERS AND OPEN-ENDED SPANNERS.

## 4204



### Open-ended striking spanners

- special steel, steel grey
- DIN 133



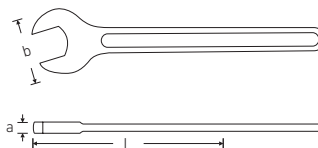
Product no.	Ø mm	L mm	a mm	b mm	± g
42040027	27	180	16	56	321
42040030	30	190	17	62	451
42040032	32	190	17	62	395
42040036	36	215	17.5	76	698
42040041	41	235	18.5	86	923
42040046	46	255	20	98	1245
42040050	50	275	21	105	1445
42040055	55	300	23	116	2057
42040060	60	320	24.5	128	2559
42040065	65	342	27	138	3285
42040070	70	375	30	154	4573
42040075	75	375	30	154	4163
42040080	80	408	34	174	6059
42040085	85	408	34	174	5871
42040090	90	445	38	194	7390
42040095	95	445	38	194	7600
42040100	100	485	44	215	11500

## 4004



### Open-ended spanners

- special steel, steel grey
- DIN 894 up to 85 mm



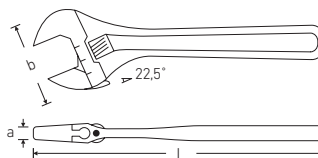
Product no.	Ø mm	L mm	a mm	b mm	± g
40040240	24	215	8.9	50	147
40040270	27	238	9.8	56	193
40040300	30	261	10.8	62	275
40040320	32	273	11.8	66	315
40040360	36	300	12.8	74	421
40040410	41	335	12.8	83.5	555
40040460	46	369	14.8	93	770
40040500	50	412	17	102	1003
40040550	55	457	18	112	1235
40040600	60	492	18	122	1650
40040650	65	528	19	132	1900
40040700	70	572	20	142	2035
40040750	75	608	21	152	2758
40040800	80	645	22	162	2963
40040850	85	690	23	173	3510
40040900	90	690	23	173	3425
40040950	95	847	25	195	5943
40041000	100	847	25	195	5500

## 4025



### Adjustable spanners

- clockwise adjustment screw
- jaw angled 22.5°
- Chrome Alloy Steel, chrome-plated
- DIN 3117 / ISO 6787 Form B / ASME B107,100



Product no.	Size	Ø max. mm	L mm	a mm	b mm	± g
40250104	4	13	115	9.5	35	52
40250106	6	24	161	10.8	50	155
40250108	8	30	207	14	62	310
40250110	10	34	259	15.8	74	490
40250112	12	39	311	19	84	805
40250115	15	44	386	25	106	1320
40250118	18	53	462	30	124	2040

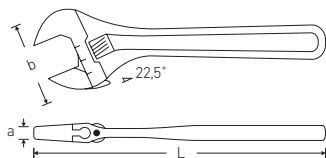


## 4026



## Adjustable spanners

- counter-clockwise adjustment screw
- jaw angled 22.5°
- Chrome Alloy Steel, phosphated
- DIN 3117 / ISO 6787 Form B / ASME B 107.100



Product no.	Size	⌀ max. mm	L mm	a mm	b mm	⌀ g
40260104	4	13	115	9.5	35	52
40260106	6	24	161	10.8	50	155
40260108	8	30	207	14	62	310
40260110	10	34	259	15.8	74	490
40260112	12	39	311	19	84	805
40260115	15	44	386	25	106	1320
40260118	18	53	462	30	124	2040

## TCS 4025/3



## Adjustable spanner set

- safely integrated in the modular Tool Control System (TCS)

## Contains 3-pieces:

3 adjustable spanners **No. 4025**: 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⌀ g
96838797	350	175	30	1/3	3	920

## TCS 4026/3



## Adjustable spanner set

- safely integrated in the modular Tool Control System (TCS)

## Contains 3-pieces:

3 adjustable spanners **No. 4026**: 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⌀ g
96838796	350	175	30	1/3	3	908

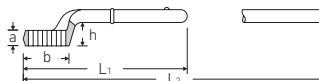
## HEAVY-DUTY AND STRIKING RING SPANNERS.

## 5



## Heavy-duty ring spanners

- bi-hex
- without handle
- L<sub>2</sub> = length with handle No. 5 1/2
- Chrome Alloy Steel, chrome-plated



Product no.	Handle no. 5 1/2	⌀ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	a mm	b mm	h mm	⌀ g
42020024	1	24	180	555	17	38	29.5	381
42020027	1	27	190	560	17	41	31.5	421
42020030	1	30	200	565	18	47	33.5	525
42020032	2	32	235	730	18	49	34	712
42020036	2	36	245	735	20	54	35.5	816
42020038	2	38	250	740	21	56	37.5	810
42020041	2	41	265	750	22	62	39.5	910
42020042	2	42	265	750	22	62	39.5	919
42020046	3	46	280	910	23	69	40	1192
42020050	3	50	290	920	25.5	76	42.5	1426
42020055	3	55	300	925	28	81	45.5	1505
42020060	4	60	345	1050	30.5	90	49	2260
42020065	4	65	355	1060	33	98	53	2495
42020070	4	70	365	1065	35.5	105	55	2700
42020075	4	75	375	1070	38	110	57.6	2905
42020080	4	80	385	1075	40.5	125	59	3745
42020085	4	85	385	1075	40.5	125	59	3648
42020090	4	90	410	1100	45	140	63	5238
42020095	4	95	410	1100	45	140	63	4630
42020100	4	100	412	1100	45	143	63	4895

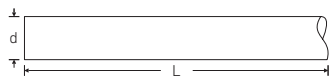
## Spanners

### 5 1/2



#### Handles

— for heavy-duty ring spanners No. 5



Product no.	Size	Suitable for	L mm	d mm	± g
48030001	1	24-30 mm & 1-1 3/16"	460	19	605
48030002	2	32-42 mm & 1 1/4-1 11/16"	610	22	1562
48030003	3	46-55 mm & 1 3/4-2 1/4"	760	25	2820
48030004	4	60-100 mm & 2 3/8-3 7/8"	860	30	3705

## StahlwilleSTABIL® 8



#### Striking ring spanners

- for heavy assembly work
- bi-hex
- slim ring wall thickness for work in tight spaces
- reinforced striking end for a larger striking surface
- Chrome Alloy Steel, drop-forged, green lacquered



Product no.	Ø mm	L mm	a mm	b mm	± g
42010032	32	195	24	47	661
42010036	36	195	26	52.4	684
42010041	41	200	29	59	896
42010046	46	250	32	65	1218
42010050	50	280	35	70	1555
42010055	55	300	38	76	2087
42010060	60	300	42	82.5	2394
42010065	65	325	45	90.5	3209
42010070	70	355	48	97	3649
42010075	75	360	51	103.5	4428
42010080	80	440	57	110	5895
42010085	85	440	57	117	6033
42010090	90	445	60	124	6885
42010095	95	450	67	131	7875
42010100	100	455	72	137	10224

### 4205



#### Striking ring spanners

- bi-hex
- special steel, grey
- DIN 7444



Product no.	Ø mm	L mm	a mm	b mm	± g
42050024	24	160	15	42.5	200
42050026	26	160	15	42.5	200
42050027	27	180	16	46	260
42050030	30	190	16.5	51.5	365
42050032	32	195	16.5	53	353
42050036	36	205	19.5	60	505
42050038	38	205	19.5	60	500
42050041	41	225	20.5	66	730
42050042	42	225	20.5	66	671
42050046	46	240	22.5	75	915
42050048	48	240	22.5	75	920
42050050	50	250	23.5	80	1120
42050055	55	270	25	87.5	1375
42050060	60	270	26	93.5	1565
42050065	65	290	29	101	2100
42050070	70	320	33	109.5	2930
42050075	75	325	34	114.5	2780
42050080	80	345	35	126	4100
42050085	85	360	37	129	3835
42050090	90	400	41.5	152	5180
42050095	95	400	41.5	152	4900
42050100	100	400	41.5	152	6560



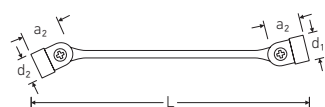
## DOUBLE-ENDED FLEXI-JOINT SPANNERS AND SETS.

### FLEXI 29



#### Double-ended flexi-joint spanner

- metric, differing end sizes
- swivelling head, hex with AS-Drive profile
- robust, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome plated



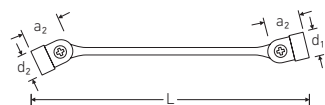
Product no.	mm	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
43010607	6 x 7	180	9.5	11	23	23	51

### FLEXI 29



#### Double-ended flexi-joint spanners

- metric, differing end sizes
- swivelling head, bi-hex with AS-Drive profile
- durable, slim, and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop forged, hardened and cooled in oil bath
- Chrome Alloy Steel, chrome plated



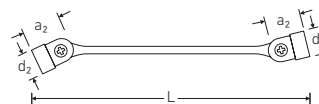
Product no.	mm	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
43010809	8 x 9	201	26	27.5	11.9	13.4	81
43011011	10 x 11	202	30.5	32	14.7	15.9	102
43011013	10 x 13	230.5	30	33.5	14.7	18.4	137
43011213	12 x 13	228	33	33.5	17.2	18.4	153
43011415	14 x 15	227	35	37	19.7	20.9	197
43011617	16 x 17	247	38.5	39	22.2	23.7	234
43011618	16 x 18	249	38.5	40	22.2	24.7	267
43011719	17 x 19	250	39	41	23.7	26.3	277
43011819	18 x 19	246.5	40	41	24.7	26.3	294
43012022	20 x 22	287.5	45.5	48	27.3	29.8	430
43012123	21 x 23	286.5	46.5	50	28.6	31.1	447
43012427	24 x 27	349.5	50.5	60.5	32.4	36.1	716

### FLEXI 29a



#### Double-ended flexi-joint spanners

- imperial, differing end sizes
- swivelling head, hex with AS-Drive profile
- durable, slim, and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop forged, hardened and cooled in oil bath
- Chrome Alloy Steel, chrome plated



Product no.	"	L mm	d1 mm	d2 mm	a1 mm	a2 mm	g
43412428	$\frac{3}{8} \times \frac{7}{16}$	202	14	16	30.5	32	98
43413234	$\frac{1}{2} \times \frac{9}{16}$	227	18.1	20	35	37	195
43413638	$\frac{5}{8} \times \frac{11}{16}$	249.5	22.1	24	39	40	269

### FLEXI 29/7



#### Double-ended flexi-joint spanner set

- metric, differing end sizes
- in cardboard packaging

#### Contains 7-pieces:

7 double-ended flexi-joint spanners **No. 29:** 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm

Product no.	Content pcs.	g
96430101	7	1503

Spanners

## TCS FLEXI 29/6 8x9-18x19



**Double-ended flexi-joint spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 6-pieces:**

6 double-ended flexi-joint spanners **No. 29:** 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96838764	350	175	35	1/3	6	1079

## TCS FLEXI 29/7 8x9-20x22



**Double-ended flexi-joint spanner set**

- metric, differing end sizes
- safely integrated in the modular Tool Control System (TCS)

**Contains 7-pieces:**

7 double-ended flexi-joint spanners **No. 29:** 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	Δ g
96830195	350	175	40	1/3	7	1520

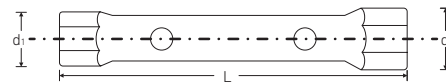
## BOX SPANNERS AND SETS.

### 10750



**Box spanners**

- metric, differing end sizes
- hex
- made of seamlessly drawn precision steel tubing
- recessed at both ends
- Chrome Alloy Steel, surface polished and chrome plated
- DIN 896 Form B



Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	Rotary pin no.	Δ g
43330607	6 x 7	110	10.5	11.5	6	26
43330809	8 x 9	110	13	14.5	6	38
43331011	10 x 11	125	16	17	6	50
43331213	12 x 13	145	19	20.5	6	78
43331415	14 x 15	145	21.5	22.5	6	78
43331617	16 x 17	155	24	26	7	127
43331719	17 x 19	160	26	28.5	7	199
43331819	18 x 19	160	27.5	28.5	7	199
43332022	20 x 22	170	29.5	32	7	232
43332123	21 x 23	170	30.5	33	7	251
43332426	24 x 26	190	34.5	37	7	300
43332427	24 x 27	190	34.5	38.5	7	301
43332428	24 x 28	196	32.1	36.7	7	320
43333032	30 x 32	205	42	45	8	382
43333236	32 x 36	225	45	50	8	535
43333641	36 x 41	225	50	56	8	648
43334146	41 x 46	245	56	62	8	845
43334650	46 x 50	245	62	68	8	878
43335560	55 x 60	245	70	76	8	1178

TOOLS THAT  
... inspire

## 10750

**Box spanner sets**

- metric, differing end sizes
- hex
- made of seamlessly drawn precision steel tubing
- recessed at both ends
- Chrome Alloy Steel, surface polished and chrome plated
- DIN 896 Form B

Product no.	Model	Contents	Content pcs.	⌀ g
96431202	10750/7	8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm	7	830
96431205	10750/11	6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 30 x 32 mm	11	1830

## 10750 1/2

**Tommy bars**

- for No. 10750
- stepped

Product no.	Size	Suitable for	L mm	⌀ g
48010006	6	6 x 7-14 x 15 mm	180	49
48010007	7	16 x 17-24 x 28 mm	320	305
48010008	8	30 x 32-55 x 60 mm	630	1400

**HOOK SPANNERS.**

## 12910

**Adjustable hook spanners**

- for slotted nuts
- adjustable
- with teeth
- DIN 1810

Product no.	Size	Span mm	⌀ g
44010001	1	20-42	90
44010002	2	45-90	245
44010003	3	95-165	686

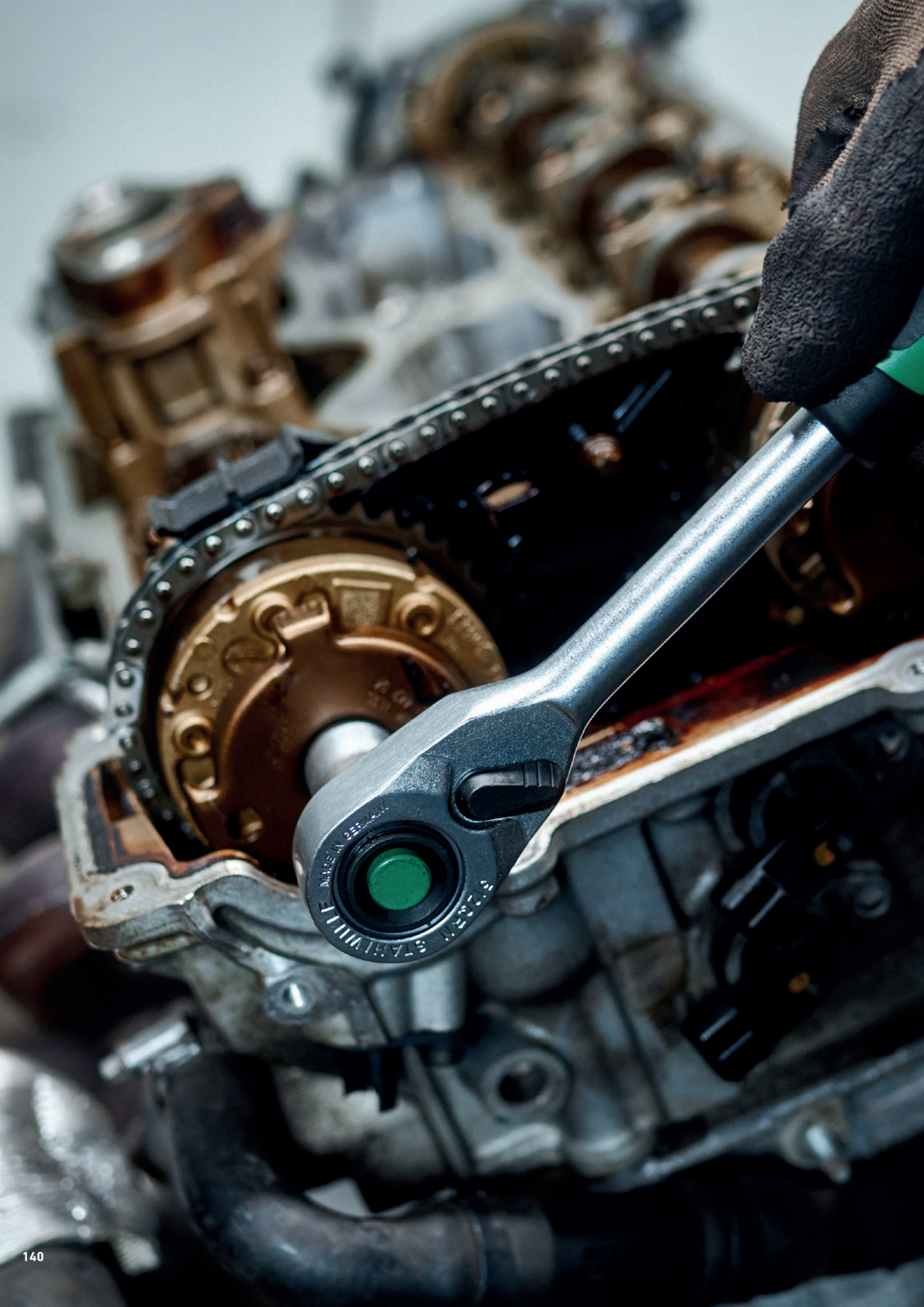
**SPANNER ACCESSORIES.**

## 12950/11

**Spanner holder**

- for 11 spanners
- with lockable flap for securing the tools
- with EURO perforation, for hanging
- robust plastic design, with folding carrying handle

Product no.	L mm	⌀ g
89932000	125	152



# 3 Socketry

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144 **1/4" Socketry**

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169 **3/8" Socketry**

---

187 **1/2" Socketry**

---

212 **3/4" Socketry**

---

217 **1" Socketry**

---

219 **Adaptor sets**

---

219 **Socket accessories**

---

221 **Control cabinet keys**

---

222 **Empty boxes and inlays**

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# STAHLWILLE SOCKETRY – Reliable and safe.

Whether it's ratchets, drive tools or accessories – top quality awaits the user in every instance. Our STAHLWILLE tool boxes made of sturdy ABS plastic make everyday work easier thanks to their lightweight and well thought-out design. In addition, STAHLWILLE sockets made of HPQ® high-performance steel are characterised by high load-bearing capacity. And the wide portfolio of ratchets, as well as drive tools and accessories, always ensures the perfect choice of tool.



# ROBUST



## Robust.

STAHLWILLE set cases are particularly resilient thanks to their torsionally rigid housing design and robust ABS plastic. The high-quality, chemical-resistant hard foam insert holds the tools securely.



## Gentle.

The special AS-Drive profile makes high force transmission to the flats of nuts and bolts possible without damaging them. This also prevents stripping of the screw head.

## Resilient.

Our High Performance Quality (HPQ®) tools are made of wear-resistant high-performance steel, but are thin-walled and lightweight. They withstand high torques and are ideal for work in confined spaces such as turbines.



## Efficient.

Our fine-tooth ratchets with 80 teeth re-engage after just 4.5° for maximum precision in confined spaces. Eight pairs of teeth engage simultaneously to ensure maximum load-bearing capacity and particularly smooth running, even at high torques.

3

MADE IN CRONENBERG  
MADE IN GERMANY



## Varied.

STAHLWILLE fine-tooth ratchets are available in the common drive sizes of 1/4", 3/8" and 1/2" with 2-component handle or slim steel handle. The mini fine-tooth bit ratchet, the fine-tooth flexible head ratchet and the Hi-LOK™ variant round off the range of fine tooth ratchets.



## Reliable.

The QuickRelease safety lock prevents unintentional loss of attached tools and accessories. These lock securely into place, and are only released again at the push of a button for a quick tool change.

## FOD preventative.

STAHLWILLE protects against FOD (Foreign Object Damage). Thanks to the screwless design, these tools are ideal for use in safety-relevant areas.



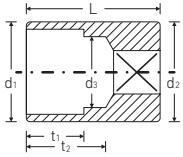
# 1/4" SOCKETRY.

## 40



### Sockets

- hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5M



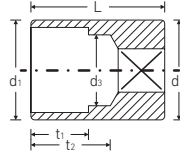
Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
01010003	3	23	5.6	10.7	2.5	2	15	7
01010032	3.2	23	5.6	10.7	2.5	2	15	8
01010035	3.5	23	6	10.7	2.5	2.5	15	8
01010004	4	23	6.7	10.7	3.2	3.5	15	9
01010045	4.5	23	7.3	10.7	3.7	4	15	9
01010005	5	23	7.9	10.7	4	4.5	15	8
01010055	5.5	23	8.5	10.7	4.5	6	15	9
01010006	6	23	9.2	10.7	5	6	15	9
01010007	7	23	10.7	10.7	6	6.5	13.4	10
01010008	8	23	11.6	11.6	7	8	13.1	11
01010009	9	23	12.8	12.8	8	8	12.8	14
01010010	10	23	14.3	14.3	9	8	14.9	17
01010011	11	23	15.5	15.5	10	9	14.6	19
01010012	12	23	16.5	16.5	11	9.5	14.3	24
01010013	13	23	17.8	17.8	12	9.5	14	26
01010014	14	24	18.8	18.8	13	10	14.7	30

## 40a



### Sockets

- hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1/Fed. Spec. GGG-W-641/SAE AS 954-E



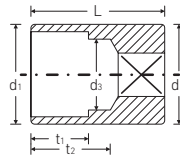
Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
01410008	1/8	23	5.6	10.7	2.5	2	15	7
01410010	5/32	23	6.7	10.7	3.2	3.5	15	9
01410012	3/16	23	7.6	10.7	4	4.5	15	9
01410014	7/32	23	8.6	10.7	5	6	15	9
01410016	1/4	23	9.4	10.7	5.5	6	15	9
01410018	9/32	23	10.7	10.7	6.6	6.5	13.2	10
01410020	5/16	23	11.6	11.6	7	8	13.1	12
01410022	11/32	23	12.7	12.7	8.1	8	13.3	14
01410024	3/8	23	13.7	13.7	8.3	8	13.3	16
01410028	7/16	23	15.8	15.8	10	9	14.6	15
01410032	1/2	23	17.3	17.3	11.5	9.5	14.1	27
01410034	9/16	24	18.8	18.8	13.1	10	14.7	31

## 40D



### Sockets

- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5M



Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
01030005	5	23	7.9	10.7	4	4.5	15	9
01030055	5.5	23	8.5	10.7	4.5	6	15	9
01030006	6	23	9.2	10.7	5	6	15	9
01030007	7	23	10.7	10.7	6	6.5	13.4	10
01030008	8	23	11.6	11.6	7	8	13.1	11
01030009	9	23	12.8	12.8	8	8	12.8	13
01030010	10	23	14.3	14.3	9	8	14.9	16
01030011	11	23	15.5	15.5	10	9	14.6	19
01030012	12	23	16.5	16.5	11	9.5	14.3	23
01030013	13	23	17.8	17.8	12	9.5	14	25
01030014	14	24	18.8	18.8	13	10	14.7	30

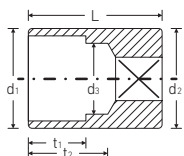


### 40aD



**Sockets**

- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1/Fed. Spec. GGG-W-641/SAE AS 954-E (test values)



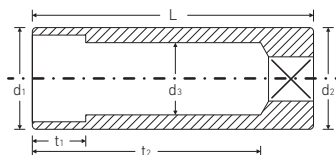
Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub>
01530010	5/32	23	6.7	10.7	3.2	3.5	15	7
01530012	3/16	23	7.6	10.7	4	4.5	15	7
01530014	7/32	23	8.6	10.7	5	6	15	9
01530016	1/4	23	9.4	10.7	5.5	6	15	8
01530018	9/32	23	10.7	10.7	6.6	6.5	13.2	8
01530020	5/16	23	11.6	11.6	7	8	13.1	11
01530022	11/32	23	12.7	12.7	8.1	8	13.3	13
01530024	3/8	23	13.7	13.7	8.3	8	13.3	16
01530028	7/16	23	15.8	15.8	10	9	14.6	21
01530032	1/2	23	17.3	17.3	11.5	9.5	14.1	26
01530034	9/16	24	18.8	18.8	13.1	10	14.7	30

### 40aDL



**Sockets**

- long version
- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E



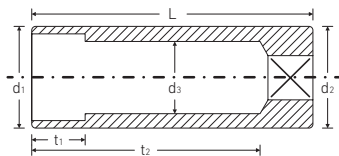
Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub>
01640010	5/32	50	6.7	10.7	3.2	4.5	42	13
01640012	3/16	50	7.6	10.7	4	4.5	42	15
01640014	7/32	50	8.6	10.7	5	6	42	16
01640016	1/4	50	9.4	10.7	5.2	6	42	19
01640018	9/32	50	10.7	10.7	6.5	8	40.2	20
01640020	5/16	50	11.6	11.6	7	8	40.1	24
01640022	11/32	50	12.7	12.7	8.1	9	39.7	26
01640024	3/8	50	13.7	13.7	8.3	9	39.7	33
01640028	7/16	50	15.8	15.8	10	10.5	41.6	42
01640032	1/2	50	17.3	17.3	11.5	12	41.1	44
01640034	9/16	50	18.8	18.8	13.1	15	40.7	55

### 40DL



**Sockets**

- long version
- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN EN 3710/DIN EN 3709/DIN 3124/ISO 2725-1/ASME B 107.5M



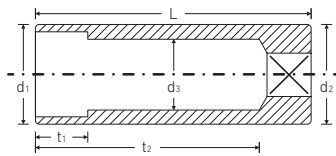
Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub>
01240005	5	50	7.9	10.7	4	4.5	42	15
01240055	5.5	50	8.5	10.7	4.5	6	42	16
01240006	6	50	9.2	10.7	5	6	42	18
01240007	7	50	10.7	10.7	6	6.5	40.9	21
01240008	8	50	11.6	11.6	7	8	40.1	23
01240009	9	50	12.8	12.8	8	8	39.8	30
01240010	10	50	14.3	14.3	9	9	41.9	35
01240011	11	50	15.5	15.5	10	10.5	41.6	40
01240012	12	50	16.5	16.5	11	12	41.3	47
01240013	13	50	17.8	17.8	12	12	41	50
01240014	14	50	18.8	18.8	13	15	40.7	57

### 40aDV



**Sockets**

- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E / S.B.A.C. AS 40605/40606



Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub>
01650014	7/32	31.8	8.6	10.7	5	6	23.8	12
01650016	1/4	31.8	9.4	10.7	5.2	6	23.8	13
01650018	9/32	31.8	10.7	10.7	6.6	6.5	22	13
01650020	5/16	31.8	11.6	11.6	7	8	21.9	15

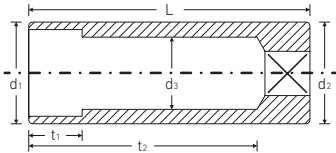
## Socketry

### 40L



#### Sockets

- long version
- hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124/ISO 2725-1 / ASME B 107.5M / DIN EN 3710 / DIN EN 3709



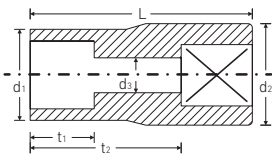
Product no.	Size mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub> g
01020032	3.2	50	5.6	10.7	2.5	2	37.5	12
01020004	4	50	6.7	10.7	3.2	3.5	42	14
01020045	4.5	50	7.3	10.7	3.7	4	42	15
01020005	5	50	7.9	10.7	4	4.5	42	16
01020055	5.5	50	8.5	10.7	4.5	6	42	17
01020006	6	50	9.2	10.7	5	6	42	18
01020007	7	50	10.7	10.7	6	6.5	40.9	24
01020008	8	50	11.6	11.6	7	8	40.1	27
01020009	9	50	12.8	12.8	8	8	39.8	31
01020010	10	50	14.3	14.3	9	9	41.9	38
01020011	11	50	15.5	15.5	10	10.5	41.6	43
01020012	12	50	16.5	16.5	11	12	41.3	49
01020013	13	50	17.8	17.8	12	12	41	56

### 40TX



#### Sockets

- for external TORX® screws
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated



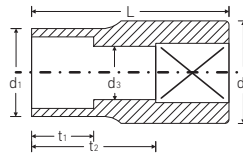
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub> g
01270004	E4	23	5.6	10.7	2	4.5	15	8
01270005	E5	23	6.7	10.7	2.8	5	15	7
01270006	E6	23	8	10.7	3.6	5.5	15	10
01270007	E7	23	9.6	10.7	3.8	6.5	15	10
01270008	E8	23	10.5	11.6	4.3	7	15	10
01270010	E10	23	12.7	12.7	5.6	9	15	17

### 40aSP



#### Sockets

- for external Spline-Drive screws
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



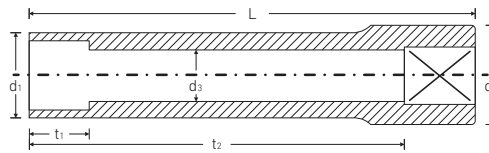
Product no.	Size	Size "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub> g
01011007	7	7/32	22.2	8.6	10.7	5	6	14.2	7
01011008	8	1/4	22.2	9.5	10.7	5.6	7	14.2	10
01011009	9	9/32	22.2	11.2	11.2	6.6	8	12.4	10
01011010	10	5/16	22.2	11.6	11.6	7.1	8	12.2	12
01011012	12	3/8	23	13.8	13.8	8.6	8.7	12.6	18
01011014	14	7/16	25	15.7	15.7	10.4	10.7	14.1	24

### 40aLSP



#### Sockets

- long version, deep drilled
- for external Spline-Drive screws
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



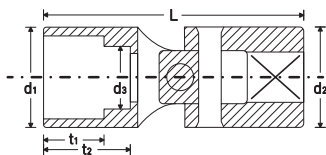
Product no.	Size	Size "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ <sub>g</sub> g
01021007	7	7/32	50.8	8.6	10.7	5	6	42.8	18
01021008	8	1/4	50.8	9.5	10.7	5.6	8	42.8	24
01021010	10	5/16	50.8	11.6	11.6	7.1	8	40.8	27

## 402



### Uniflex sockets

- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated



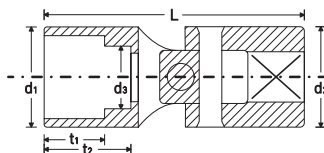
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
01140006	6	32	9.2	12.7	5	5.5	10	16
01140007	7	33.5	10.4	12.7	6	6	11.5	16
01140008	8	35	11.6	12.7	6.7	8	13	17
01140009	9	36	13	12.7	8	8	12	20
01140010	10	38	14.2	12.7	9	12	14	21

## 402aK



### Uniflex sockets

- extra short version
- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated



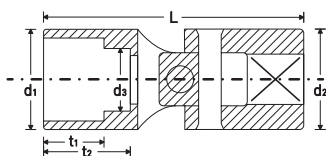
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
01541024	3/8	34	13.6	12.7	6.7	9.1	12.0	19
01541034	5/16	37.5	19	12.7	13.1	10.3	11.8	25

## 402a



### Uniflex sockets

- bi-hex with AS-Drive profile
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E / ASME B 107.1



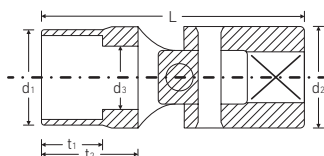
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
01540014	7/32	32	8.6	12.7	4.8	5.5	10	17
01540016	1/4	32	9.6	12.7	5.2	5.5	10	16
01540018	9/32	32	11	12.7	6.4	6.5	10	19
01540020	5/16	35	11.6	12.7	6.7	8	13	17
01540022	11/32	35	12.7	12.7	8	7.5	11.5	19
01540024	3/8	38	13.6	12.7	9	8.6	13.1	20
01540028	7/16	39.5	15.7	12.7	10.5	10.7	15	23
01540032	1/2	41.5	17.3	12.7	12	11.1	16.5	27

## 402aSP



### Uniflex sockets

- for external Spline-Drive screws
- 1/4" internal square drive
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



Product no.	Size	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
01542016	8	1/4	32	9.5	12.7	5.6	6.4	9.8	16
01542020	10	5/16	38	11.6	12.7	7.1	8	13	18

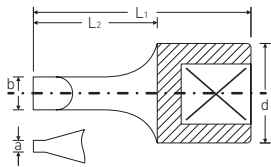
## Socketry

### 41K



#### Screwdriver sockets

- for slotted screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- blades according to DIN 5264



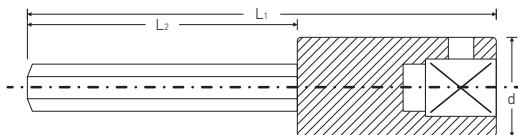
Product no.	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>g</sub>
01280006	0.6	3.5	28	16	11.6	10
01280008	0.8	4	28	16	11.6	10
01280010	1	5.5	28	16	11.6	11
01280012	1.2	8	28	16	11.6	12

### 44



#### INHEX screwdriver sockets

- for hex socket head screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



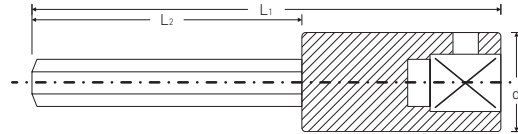
Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>g</sub>
01050025	2.5	55	30	10.7	18
01050003	3	55	30	10.7	20
01050004	4	55	30	10.7	20
01050005	5	55	30	10.7	25
01050006	6	55	30	11.6	30

### 44a



#### INHEX screwdriver sockets

- for hex socket head screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



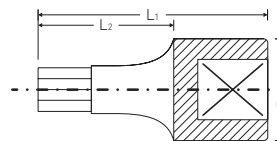
Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>g</sub>
01450004	1/16	55	30	10.7	11
01450005	5/64	55	30	10.7	12
01450006	3/32	55	30	10.7	14
01450007	7/64	55	30	10.7	17
01450008	1/8	55	30	10.7	12
01450009	9/64	55	30	10.7	13
01450010	5/32	55	30	10.7	14
01450012	3/16	55	30	10.7	17
01450014	7/32	55	30	10.7	19
01450016	1/4	55	30	11.6	24

### 44K



#### INHEX screwdriver sockets

- short version
- for hex socket head screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



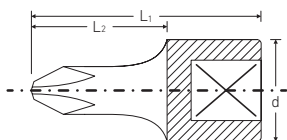
Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>g</sub>
01120003	3	28	16	11.6	10
01120004	4	28	16	11.6	10
01120005	5	28	16	11.6	10
01120006	6	28	16	11.6	10
01120008	8	28	16	11.6	15

## 44PH



### Screwdriver sockets

- for PHILLIPS® screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- tips according to DIN 5260



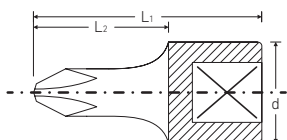
Product no.	Size	L1 mm	L2 mm	∅ (d) mm	Δg
01290001	PH1	28	16	11.6	12
01290002	PH2	28	16	11.6	11
01290003	PH3	28	16	11.6	12
01290004	PH4	28	16	11.6	14

## 44PZ



### Screwdriver sockets

- for POZIDRIV® screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated



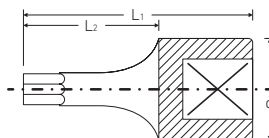
Product no.	Size	L1 mm	L2 mm	∅ (d) mm	Δg
01300001	PZ1	28	16	11.6	10
01300002	PZ2	28	16	11.6	11

## 44KTX



### Screwdriver sockets

- for recessed TORX® screws
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated



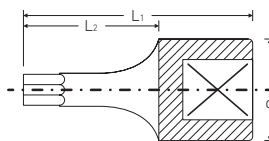
Product no.	Size	L1 mm	L2 mm	∅ (d) mm	Δg
01350008	T8	28	16	11.6	10
01350009	T9	28	16	11.6	10
01350010	T10	28	16	11.6	10
01350015	T15	28	16	11.6	10
01350020	T20	28	16	11.6	11
01350025	T25	28	16	11.6	11
01350027	T27	28	16	11.6	11
01350030	T30	28	16	11.6	12
01350040	T40	28	16	11.6	12

## 44KTXB



### Screwdriver sockets

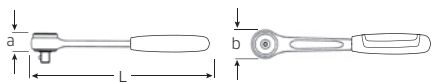
- for recessed TORX® screws
- with hole in drive tip (TORX® Tamper Resistant)
- 1/4" internal square drive
- Chrome Alloy Steel, chrome-plated



Product no.	Size	L1 mm	L2 mm	∅ (d) mm	Δg
01351008	T8	28	16	11.6	10
01351009	T9	28	16	11.6	10
01351010	T10	28	16	11.6	10
01351015	T15	28	16	11.6	10
01351020	T20	28	16	11.6	10
01351025	T25	28	16	11.6	11
01351027	T27	28	16	11.6	10
01351030	T30	28	16	11.6	11
01351040	T40	28	16	11.6	10

3

## Socketry



### 1/4" drive tools

Explanation of table headings

L = Overall length

a = Head height (excluding square drive)

b = Head width

## 411



### Fine-tooth ratchet

- 1/4" external square drive
- reversible
- 60 teeth
- for working in tight spaces, with a working angle of just 6°
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11231011	1/4	118	19.5	24	6°	100

## 415-2K



### Ratchet

- 1/4" external square drive
- reversible
- 22 teeth
- working angle 16.5°
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11111010	1/4	117	13	22	16.5°	80

## 415QR N



### QuickRelease fine-tooth ratchet

- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11111020	1/4	117	10.7	22.6	4.5°	79

## 415SG-QR N



### QuickRelease fine-tooth ratchet

- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with steel handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11111030	1/4	117	10.7	22.6	4.5°	86



## 415QRL N



### QuickRelease fine-tooth ratchet

- long version
- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11111040	1/4	153	10.7	22.6	4.5°	94

## 418QR



### Mini QuickRelease fine-tooth ratchet

- short version
- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with steel handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11111050	1/4	90	12.2	22.5	4.5°	74

## 416QR



### QuickRelease fine-tooth flexible ratchet

- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- handle can be swivelled up and down by approximately 90°, engages and locks in the following positions: straight, 30° up, 60° up, 30° down
- easy release of the lock at the push of a button
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
11261010	1/4	170	12	22.5	4.5°	170

## 4110

### Ratchet spare parts set

#### Contains 7-pieces:

1 pinion; 1 locking part; 1 switching disc; 1 spring; 3 screws

Product no.	for model	"	Content pcs.	g
19200001	411	1/4	7	47

## 4150

### Ratchet spare parts set

#### Contains 9-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws M 1.7 x 8; 1 cover plate

Product no.	for model	"	Content pcs.	g
19010000	415	1/4	9	26

## 4150QR



### Ratchet spare parts set

#### Contains 11-pieces:

1 pinion; 1 locking disc; 2 gear lever with pin; 1 ball; 2 compression springs; 2 retaining screws M 1.7 x 8; 2 cover plates

Product no.	for model	"	Content pcs.	g
19011020	415QR, 725QR/4	1/4	11	24

## Socketry

### 4150QR N



#### Ratchet spare parts set

##### Contains 9-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19012020	415QR N, 415QRL N, 415SG-QR N, 416QR, 418QR	1/4	9	21

### 4151B

#### Ratchet spare parts set

##### Contains 9-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19010012	415B	1/4	9	22

### 400N



#### Drive handle

- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
11050010	1/4	150	70

### 400QR



#### QuickRelease drive handle

- with QuickRelease safety lock
- with ball locking function
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
11051010	1/4	150	80

### 400 DRALL®



#### Drive handle

- with 1/4" internal square drive in end of handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
11050011	1/4	150	105

### 401



#### Flexible drive handle

- only for clockwise tightening
- max. torque: 5 N·m
- with 3-component handle
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	△△ g
11053002	1/4	240	130

### 403



#### Flexible handle

- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
11061010	1/4	154.5	70

### 404



#### T-handle

- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
11070000	1/4	116	38

## 404QR



### QuickRelease T-handle

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	⊕ g
11071000	1/4	116	50

## 404/1QR



### QuickRelease T-handle

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	⊕ g
11071500	1/4	116	50

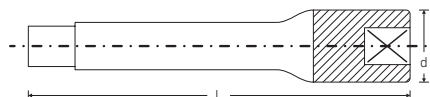
## 413QR



### QuickRelease speeder brace

- with QuickRelease safety lock
- with ball locking function
- with steel handle
- separate palm piece can be attached for greater axial force transmission
- working radius: 70 mm
- Chrome Alloy Steel, chrome-plated
- patented

Product no.	"	L mm	⊕ g
11100005	1/4	440	354



### 1/4" extensions

Explanation of table headings

L = Overall length

d = Diameter of head

## 405



### Extensions

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	⊕ g
11010001	2	1/4	54	11.6	29
11010006	4	1/4	100	11.6	46
11010002	6	1/4	150	11.6	65
11010010	10	1/4	254	11.6	115
11010014	14	1/4	356	11.6	155

## 405QR



### QuickRelease extensions

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	⊕ g
11011001	2	1/4	54	11.6	28
11011006	4	1/4	102	11.6	49
11011002	6	1/4	150	11.6	65
11011013	13	1/4	330	11.6	145
11011005	14	1/4	356	11.6	150

## 405W



### Wobble-Drive extensions

- swivel angle 8° to each side
- max. torque: 40 N·m
- Chrome Alloy Steel, chrome-plated

Product no.	Size	"	L mm	∅ (d) mm	⊕ g
11010011	2	1/4	54	11.6	28
11010012	6	1/4	150	11.6	55
11010016	4	1/4	100	11.6	45
11010020	10	1/4	254	11.6	110
11010024	14	1/4	356	11.6	155

## Socketry

### 406



#### Flexible extension

- only for clockwise tightening
- max. torque: 5 N·m
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	Δg
11040000	1/4	152	11.6	61

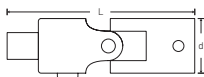
### 408QR



#### QuickRelease extensions

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	Δg
11011502	2	1/4	55	11.6	20
11011504	4	1/4	99	11.6	40
11011506	6	1/4	150	11.6	70
11011513	13	1/4	330	11.6	140
11011514	14	1/4	355	11.6	150



#### 1/4" universal joints

Explanation of table headings

L = Overall length

d = Diameter of head

### 407



#### Universal joint

- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	Δg
11020000	1/4	37	12.8	23

### 407QR



#### QuickRelease universal joint

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	Δg
11021000	1/4	45	13	35

### 407/1QR



#### QuickRelease universal joint

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	Δg
11021500	1/4	45	30

### 409



#### Square drive adaptor

- 1/4 to 3/8"
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	Δg
11030002	3/8	25	12.8	18

## 409M



### Square drive adaptor

- 1/4 to 3/8"
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	△△ g
11030010	3/8	13	28	14

## 410



### Square drive adaptor

- 1/4 to 1/2"
- HPQ® high performance steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	△△ g
11030003	1/2	28	16.5	36

## 417/1



### Locking adaptor

- with hex L-Key 3/32" No. 10760a

Product no.	"	L mm	∅ (d) mm	△△ g
96112701	1/4	42	13	23

## 40a/40aD/16/2



### HI-LOK™ socket set

- for HI-LOK™ bolts
- in a sturdy, stackable ABS plastic case with TCS inlay

#### Contains 18-pieces:

- 1 HI-LOK™ fine-tooth ratchet 1/4" **Nr. 415SGH N**: L. 117 mm
- 1 HI-LOK™ extension 1/4" **No. 414H**: L. 54 mm
- 5 sockets with bi-hex 1/4" **No. 40aD**: 7/16; 3/8; 11/32; 5/16; 1/4"
- 5 sockets with hex 1/4" **No. 40a**: 7/16; 3/8; 11/32; 5/16; 1/4"
- 3 L-Keys hex **No. 10759a/1**: 3/32; 5/64; 1/16"; L. 50 mm
- 3 L-Keys hex **No. 10759a/2**: 3/32; 5/64; 1/16"; L. 100 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△△ g
96016304	1/4	230	130	60	18	685

## 415SGH N



### HI-LOK™ fine-tooth ratchet

- 1/4" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with steel handle
- with hole drilled through the square drive, and ball locking of the sockets
- for working on HI-LOK™ bolts in the aerospace industry
- FOD-preventive due to screwless design
- Chrome Alloy Steel, chrome-plated
- patented

Product no.	"	L mm	a mm	b mm	∠	△△ g
11110010	1/4	117	10.7	22.6	4.5 °	88

## 4152



### Ratchet spare parts set

#### Contains 9-pieces:

- 1 pinion; 1 locking disc; 1 switching lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19010013	415SGH N	1/4	9	21

TOOLS THAT  
... inspire

**Socketry**

# 414H



**HI-LOK™ extensions**

- with locking system like ratchet No. 415SGH N
- Chrome Alloy Steel, chrome-plated

Product no.	Size	"	L mm	∅ (d) mm	△ g
11240011	2	1/4	54	13	34
11240012	4	1/4	102	13	49
11240013	6	1/4	152	13	66

# 10759



**HI-LOK™ L-Keys**

- for **metric** hex socket head screws
- with hex tip, for use with ratchet No. 415SGH N
- with round shaft for locking the retaining ball



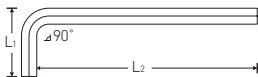
Product no.	Size	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
43062002	1	2	50	100	5
43064002	2	2	100	100	8

# 10759a



**HI-LOK™ L-Keys**

- for **inch** hex socket head screws
- with hex tip, for use with ratchet No. 415SGH N
- with round shaft for locking the retaining ball



Product no.	Size	"	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
43560004	1	1/16	50	50	5
43560005	1	5/64	50	50	5
43560006	1	3/32	50	50	5
43564004	2	1/16	50	100	8
43564005	2	5/64	50	100	8
43564006	2	3/32	50	100	8

# 44KTX/9



**Screwdriver socket set**

- for recessed TORX® screws
- Chrome Alloy Steel, chrome-plated
- in a carton

**Contains 9-pieces:**

9 screwdriver sockets TORX® 1/4" **No. 44KTX:** T8; T9; T10; T15; T20; T25; T27; T30; T40

Product no.	Content pcs.	△ g
96017709	9	110

# 40D/10-12916



**Socket set on clip rail**

- bi-hex with AS-Drive profile
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5M

**Contains 10-pieces:**

10 sockets with bi-hex 1/4" **No. 40D:** 5; 5.5; 6; 7; 8; 10; 11; 12; 13; 14 mm

+ socket clip rail **No. 12916/10**

Product no.	Content pcs.	△ g
96051010	10	200



## 40aDL/10-12916



### Socket set on clip rail

- bi-hex with AS-Drive profile
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E

### Contains 10-pieces:

10 sockets long, with bi-hex 1/4" **No. 40aDL:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

+ socket clip rail **No. 12916/10**

Product no.	Content pcs.	⚖ g
96016410	10	350

## 40aD/10-12916



### Socket set on clip rail

- bi-hex with AS-Drive profile
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E

### Contains 10-pieces:

10 sockets with bi-hex 1/4" **No. 40aD:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

+ socket clip rail **No. 12916/10**

Product no.	Content pcs.	⚖ g
96015310	10	200

## 12916/10



### Socket clip rail

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel

Product no.	■	L mm	Retaining clips	⚖ g
80400003	1/4	255	10	46

## 12916/12917/12918



### Socket clip rail set

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- attachments can be combined with each other
- can be mounted on a wall or perforated wall/panel

### Contains 3-pieces:

1 socket clip rail 1/4" (6.3 mm)

1 socket clip rail 3/8" (10 mm)

1 socket clip rail 1/2" (12.5 mm)

Product no.	L mm	Retaining clips	Content pcs.	⚖ g
96003010	315	30	3	190

## 40/9/4



### Socket set

- in a sturdy, stackable ABS plastic box

### Contains 13-pieces:

9 sockets with hex 1/4" **No. 40:** 4; 5; 5.5; 6; 7; 8; 10; 11; 13 mm

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

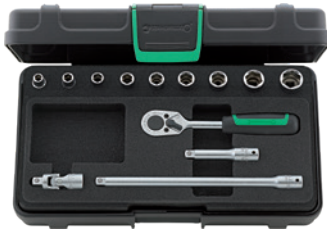
2 extensions 1/4" **No. 405:** L. 54; 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

Product no.	■	L mm	W mm	H mm	Content pcs.	⚖ g
96011119	1/4	230	130	60	13	696

## Socketry

### 40a/9/4



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 13-pieces:

9 sockets with hex 1/4" **No. 40a:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"

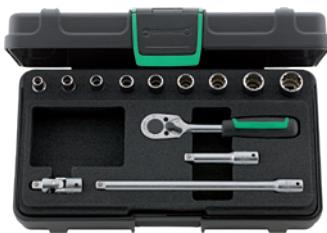
1 ratchet 1/4" **No. 415-2K:** L. 117 mm

2 extensions 1/4" **No. 405:** L. 54; 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96015107	1/4	230	130	60	13	702

### 40aD/9/4



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 13-pieces:

9 sockets with bi-hex 1/4" **No. 40aD:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

2 extensions 1/4" **No. 405:** L. 54; 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96016302	1/4	230	130	60	13	700

### 40aD/12/7QR



#### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 19-pieces:

11 sockets with bi-hex 1/4" **No. 40aD:** 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

1 socket with hex 1/4" **No. 40a:** 1/8"

1 QuickRelease fine-tooth ratchet 1/4" **No. 415SG-QR N:** L. 117 mm

3 QuickRelease extensions 1/4" **No. 405QR:** L. 54 (2x); 150 mm

1 QuickRelease universal joint 1/4" **No. 407QR:** L. 45 mm

1 QuickRelease drive handle 1/4" **No. 400QR:** L. 150 mm

1 bit holder 1/4" **No. 412:** L. 25 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96015208	1/4	230	130	60	19	872

### 40/13/6



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 19-pieces:

13 sockets with hex 1/4" **No. 40:** 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

2 extensions 1/4" **No. 405:** L. 54; 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

1 drive handle 1/4" **No. 400N:** L. 150 mm

1 T-handle 1/4" **No. 404:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96011124	1/4	230	130	60	19	850

## 40/13/6QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 19-pieces:

13 sockets with hex 1/4" **No. 40:** 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm

1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N:** L. 117 mm

2 QuickRelease extensions 1/4" **No. 405QR:** L. 54; 150 mm

1 QuickRelease universal joint 1/4" **No. 407QR:** L. 37 mm

1 QuickRelease drive handle 1/4" **No. 400QR:** L. 150 mm

1 QuickRelease T-handle 1/4" **No. 404QR:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96011180	1/4	230	130	60	19	876

## 40/20/4QR SCI



### QuickRelease socket set

— in soft case with hard foam inlay

#### Contains 24-pieces:

10 sockets with hex 1/4" **No. 40:** 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm

2 bits PHILLIPS® 1/4" **No. PH 1221, PH 1222:** PH1; PH2

3 bits hex 1/4" **No. 1301-1303:** 4; 5; 6 mm

5 bits TORX® 1/4" **No. 1414-1417, 1419:** T10; T15; T20; T25; T30

1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N:** L. 117 mm

2 QuickRelease extensions 1/4" **No. 405QR:** L. 54; 150 mm

1 bit holder 1/4" **No. 412:** L. 25 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96010127	1/4	235	100	50	24	605

## 40/23/6



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 29-pieces:

11 sockets with hex 1/4" **No. 40:** 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

3 screwdriver sockets slotted 1/4" **No. 41K:** 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm

5 screwdriver sockets INHEX 1/4" **No. 44K:** 3; 4; 5; 6; 8 mm

4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH:** PH1; PH2; PH3; PH4

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

2 extensions 1/4" **No. 405:** L. 54; 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

1 drive handle 1/4" **No. 400N:** L. 150 mm

1 T-handle 1/4" **No. 404:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96011136	1/4	230	130	60	29	998

## 40/23/6QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 29-pieces:

11 sockets with hex 1/4" **No. 40:** 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

3 screwdriver sockets slotted 1/4" **No. 41K:** 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm

5 screwdriver sockets INHEX 1/4" **No. 44K:** 3; 4; 5; 6; 8 mm

4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH:** PH1; PH2; PH3; PH4

1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N:** L. 117 mm

2 QuickRelease extensions 1/4" **No. 405QR:** L. 54; 150 mm

1 QuickRelease universal joint 1/4" **No. 407QR:** L. 37 mm

1 QuickRelease drive handle 1/4" **No. 400QR:** L. 150 mm

1 QuickRelease T-handle 1/4" **No. 404QR:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96011137	1/4	230	130	60	29	998

Socketry

## 40/23/7



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 30-pieces:**

- 12 sockets with hex 1/4" **No. 40**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm
- 3 bits PHILLIPS® 1/4" **No. PH 1221-1223**: PH1; PH2; PH3
- 4 bits slotted 1/4" **No. 1162, 1164, 1166, 1168**: 0.6 x 3.5; 0.8 x 4; 1.0 x 5.5; 1.6 x 8 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96011134	1/4	325	135	60	30	1138

## 40/24/6QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 30-pieces:**

- 12 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 2 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2
- 2 screwdriver sockets POZIDRIV® 1/4" **No. 44PZ**: PZ1; PZ2
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 37 mm
- 1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle 1/4" **No. 404QR**: L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96011182	1/4	230	130	60	30	1018

## 40/24/6



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 30-pieces:**

- 12 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 2 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2
- 2 screwdriver sockets POZIDRIV® 1/4" **No. 44PZ**: PZ1; PZ2
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96011138	1/4	230	130	60	30	998

**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 40ma/25/8



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 33-pieces:

25 sockets with hex 1/4"

**No. 40:** 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm;

**No. 40a:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

1 ratchet 1/4" **No. 415-2K**: L. 117 mm

2 extensions 1/4" **No. 405**: L. 54; 150 mm

1 flexible extension 1/4" **No. 406**: L. 152 mm

1 universal joint 1/4" **No. 407**: L. 37 mm

1 drive handle 1/4" **No. 400N**: L. 150 mm

1 flexible handle 1/4" **No. 403**: L. 154.5 mm

1 T-handle 1/4" **No. 404**: L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	g
96011162	1/4	325	135	60	33	1316

## 40aD/30/7QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 37-pieces:

11 sockets with bi-hex 1/4" **No. 40aD:** 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

11 sockets long, with bi-hex 1/4" **No. 40aDL:** 5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

1 socket with hex 1/4" **No. 40a:** 1/8"

7 flex sockets with bi-hex 1/4" **No. 402a:** 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2"

1 QuickRelease fine-tooth ratchet 1/4" **No. 415SG-QR**: L. 117 mm

3 QuickRelease extensions 1/4" **No. 405**: L. 54 (2x); 150 mm

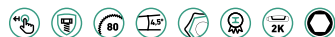
1 QuickRelease universal joint 1/4" **No. 407QR**: L. 37 mm

1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm

1 bit holder 1/4" **No. 412**: L. 25 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	g
96015205	1/4	420	230	60	37	1920

## 40ma/25/8QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 33-pieces:

25 sockets with hex 1/4"

**No. 40:** 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm;

**No. 40a:** 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"

1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm

2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm

1 flexible extension 1/4" **No. 406**: L. 152 mm

1 QuickRelease universal joint 1/4" **No. 407QR**: L. 37 mm

1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm

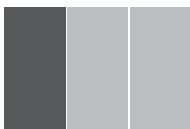
1 flexible handle 1/4" **No. 403**: L. 154.5 mm

1 T-handle 1/4" **No. 404**: L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	g
96010107	1/4	325	135	55	33	1324



## TCS 40/35/9



### Socket set

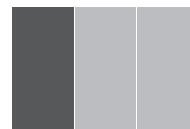
— safely integrated in the modular Tool Control System (TCS)

#### Contains 44-pieces:

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 12 sockets long, with hex 1/4" **No. 40L**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2; PH3; PH4
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 3 extensions 1/4" **No. 405**: L. 54; 100; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm

Product no.	■	L mm	W mm	H mm	Size	Content pcs.	△ g
96830601	1/4"	350	175	40	1/3	44	1045

## TCS 40/35/9QR



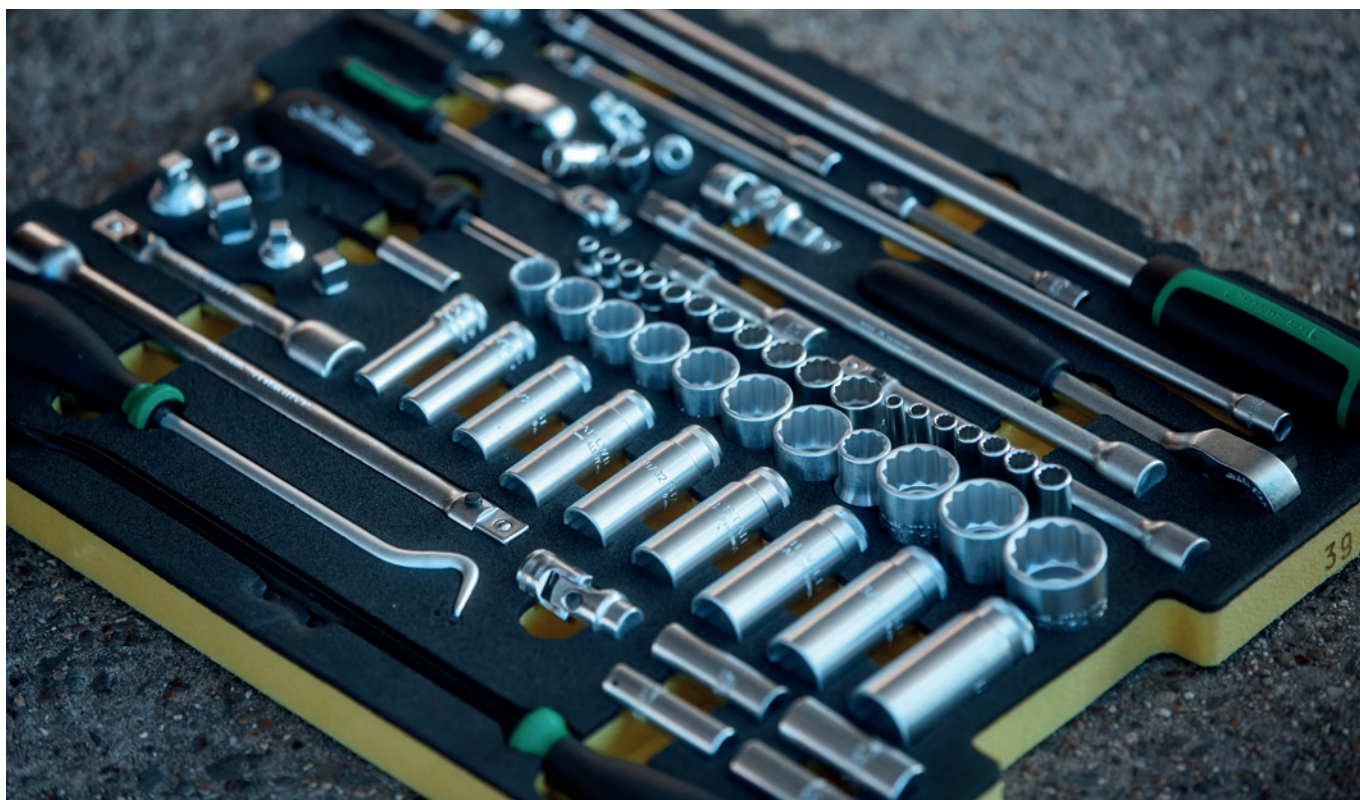
### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 44-pieces:

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 12 sockets long, with hex 1/4" **No. 40L**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2; PH3; PH4
- 1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle 1/4" **No. 404QR**: L. 116 mm
- 3 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 100; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm
- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm

Product no.	■	L mm	W mm	H mm	Size	Content pcs.	△ g
96830366	1/4"	350	175	40	1/3	44	1045



## 40D/40TX/44KTX/32/6QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 38-pieces:

- 10 sockets with bi-hex 1/4" **No. 40D**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 6 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6; E7; E8; E10
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 9 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T9; T10; T15; T20; T25; T27; T30; T40
- 2 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle with sliding head 1/4" **No. 404QR**: L. 116 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 45 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96010120	1/4	230	130	60	38	1070

## TCS 40/41/44/8



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 33-pieces:

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2; PH3; PH4
- 2 bits POZIDRIV® 1/4" **No. PZ 1221; PZ 1222**: PZ1; PZ2
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830217	1/4	350	175	45	1/3	33	803

3

TOOLS THAT  
... inspire

## 86TX



### Socket set

— in a sturdy, stackable ABS plastic box

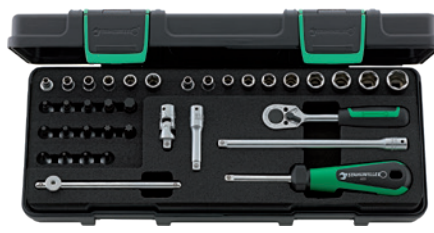
#### Contains 63-pieces:

- 9 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 10 sockets with hex 1/2" **No. 52**: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 5 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6; E7; E8
- 7 sockets TORX® 1/2" **No. 50TX**: E10; E12; E14; E16; E18; E20; E24
- 3 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54**: 6; 8; 10; 12; 14 mm
- 6 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T9; T10; T15; T20; T25
- 7 screwdriver sockets TORX® 1/2" **No. 54TX**: T27; T30; T40; T45; T50; T55; T60
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 2 extensions 1/2" **No. 509**: L. 130; 255 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 drive handle **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 1 T-handle 1/2" **No. 506**: L. 300 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96013702	1/4, 1/2	483	289	83	63	6500



## 88TX



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 36-pieces:

- 10 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 6 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6; E7; E8; E10
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 9 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T9; T10; T15; T20; T25; T27; T30; T40
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
98819801	1/4	325	135	60	36	1190

## 89TX



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 34-pieces:

- 3 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6
- 2 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T9
- 4 sockets TORX® 3/8" **No. 45TX**: E7; E8; E10; E12
- 5 screwdriver sockets TORX® 3/8" **No. 49TX**: T10; T15; T20; T25; T27
- 6 sockets TORX® 1/2" **No. 50TX**: E11; E14; E16; E18; E20; E24
- 6 screwdriver sockets TORX® 1/2" **No. 54TX**: T30; T40; T45; T50; T55; T60
- 7 bits TORX®, with hole **No. 1440-1446**: T10; T15; T20; T25; T27; T30; T40
- 1 bit holder 1/4" **No. 442**: L. 32 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
98811908	1/4, 3/8, 1/2	417	230	60	34	2420

## 40/44/17/5



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 22-pieces:

13 sockets with hex 1/4" **No. 40:** 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm

4 screwdriver sockets INHEX 1/4" **No. 44:** 3; 4; 5; 6 mm

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

1 extension 1/4" **No. 405:** L. 150 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

1 drive handle 1/4" **No. 400N:** L. 150 mm

1 T-handle 1/4" **No. 404:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96011113	1/4	230	130	60	22	896

## 40/44/17/5QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 22-pieces:

13 sockets with hex 1/4" **No. 40:** 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm

4 screwdriver sockets INHEX 1/4" **No. 44:** 3; 4; 5; 6 mm

1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N:** L. 117 mm

1 QuickRelease extension 1/4" **No. 405QR:** L. 150 mm

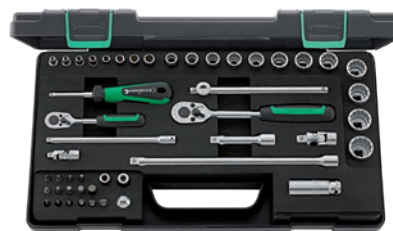
1 QuickRelease universal joint 1/4" **No. 407QR:** L. 45 mm

1 QuickRelease drive handle 1/4" **No. 400QR:** L. 150 mm

1 QuickRelease T-handle 1/4" **No. 404QR:** L. 116 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96011181	1/4	230	130	60	22	914

## 40/45/36/12



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 48-pieces:

12 sockets with bi-hex 3/8" **No. 45:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm

8 sockets with hex 1/4" **No. 40:** 4; 4.5; 5; 5.5; 6; 7; 8; 9 mm

1 socket long, with bi-hex and rubber insert 3/8" **No. 4600:** 16 mm-5/8"

3 bits PHILLIPS® 1/4" **No. PH 1221-1223:** PH1; PH2; PH3

1 bit POZIDRIV® 1/4" **No. PZ 1222:** PZ2

6 bits slotted 1/4" **1160, 1162, 1164, 1166, 1166/1, 1168:** 0.5 x 3;

0.6 x 3.5; 0.8 x 4; 1 x 5.5; 1.2 x 6.5; 1.6 x 8 mm

5 bits hex 1/4" **1300-1304:** 3; 4; 5; 6; 8 mm

1 ratchet 1/4" **No. 415-2K:** L. 117 mm

1 ratchet 3/8" **No. 435-2K:** L. 193 mm

1 extension 1/4" **No. 405:** L. 150 mm

2 extensions 3/8" **No. 427:** L. 76; 240 mm

1 universal joint 1/4" **No. 407:** L. 37 mm

1 universal joint 3/8" **No. 428:** L. 46 mm

1 drive handle 1/4" **No. 400N:** L. 150 mm

1 T-handle 1/4" **No. 425:** L. 165 mm

1 bit holder 1/4" **No. 412:** L. 25 mm

1 bit holder 1/4" **No. 442:** L. 32 mm

1 square drive adaptor **No. 431:** 3/8 to 1/4"

Product no.	"	L mm	W mm	H mm	Content pcs.	⚖ g
96012047	1/4, 3/8	420	230	60	48	2712

**MADE IN CRONENBERG**  
MADE IN GERMANY

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## 40/52/45/12QR



### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 57-pieces:

- 9 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 3 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle **No. 404QR**: L. 116 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 45 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 3 bits PHILLIPS® 1/4" **No. PH 1221-1223**: PH1; PH2; PH3
- 3 bits POZIDRIV® 1/4" **No. PZ 1221-1222**: PZ1; PZ2
- 3 bits slotted 1/4" **No. 1160, 1164, 1166**: 0.5 x 3; 0.8 x 4; 1.0 x 5.5 mm
- 3 bits hex 1/4" **No. 1300-1302**: 3; 4; 5 mm
- 7 bits TORX® 1/4" **No. 1414-1419**: T10; T15; T20; T25; T27; T30; T40
- 10 sockets with hex 1/2" **No. 52**: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54**: 6; 8; 10; 12; 14 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 QuickRelease T-handle **No. 506QR**: L. 300 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease universal joint 1/2" **No. 510QR**: L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
91222607	1/4, 1/2	290	480	85	57	5398

## 40/52/27/11



### Socket set

— in a sturdy, stackable ABS plastic box

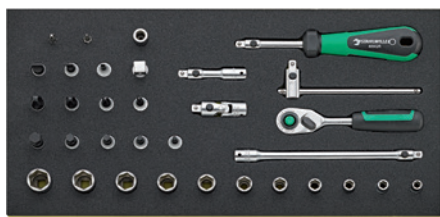
#### Contains 38-pieces:

- 9 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 3 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 10 sockets with hex 1/2" **No. 52**: 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54**: 6; 8; 10; 12; 14 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 2 extensions 1/2" **No. 509**: L. 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 T-handle 1/2" **No. 506**: L. 300 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96011160	1/4, 1/2	458	254	65	38	4915



## TCS 40/41/44/8QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 33-pieces:

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 3 screwdriver sockets slotted 1/4" **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH**: PH1; PH2; PH3; PH4
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 2 bits POZIDRIV® 1/4" **No. PZ 1221, PZ 1222**: PZ1; PZ2
- 1 QuickRelease drive handle 1/2" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle 1/4" **No. 404QR**: L. 116 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm
- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830365	1/4	350	175	45	1/3	33	715

## TCS 40/52/6QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 38-pieces:

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 adaptor, hand-operated 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830264	1/4, 1/2	350	350	55	2/3	38	3890

## TCS 54/54TX/44/44K/44KTX/40



### Screwdriver socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 40-pieces:

- 9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60
- 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
- 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50
- 2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm
- 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm
- 8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830274	1/4, 1/2	350	350	50	2/3	40	3340



### High Performance Quality (HPQ®)

Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.

## TCS 40/45/52/78/19



**Socket set**

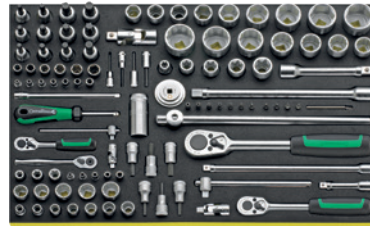
— safely integrated in the modular Tool Control System (TCS)

**Contains 97-pieces:**

- 11 sockets with hex 1/4" **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 2 sockets TORX® 1/4" **No. 40TX**: E8; E10
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm
- 8 screwdriver sockets TORX®, with hole 1/4" **No. 44KTXB**: T8; T10; T15; T20; T25; T27; T30; T40
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 2 extensions 1/4" **No. 405**: L. 54; 100 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 4 sockets TORX® 3/8" **No. 45TX**: E8; E10; E12; E14
- 3 screwdriver sockets INHEX 3/8" **No. 49**: 5; 6; 8 mm
- 2 sockets TORX® 3/8" **No. 49TX**: T25; T45
- 1 T-handle 3/8" **No. 425**: L. 165 mm
- 2 extensions 3/8" **No. 427**: L. 76; 240 mm
- 1 universal joint 3/8" **No. 428**: L. 46 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 square drive adaptor **No. 432**: 3/8 to 1/2"
- 1 ratchet 3/8" **No. 435-2K**: L. 193 mm
- 15 sockets with hex 3/8" **No. 456**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm
- 2 screwdriver sockets INHEX 1/2" **No. 54**: 10; 12 mm
- 4 screwdriver sockets TORX® 1/2" **No. 54TX**: T40; T50; T55; T60
- 1 T-handle 1/2" **No. 506**: L. 300 mm
- 2 extensions 1/2" **No. 509**: L. 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T50; T55
- 2 screwdriver sockets TORX® 1/2" **No. 2054TX**: T40; T45

Product no.	■	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96832095	1/4, 3/8, 1/2	350	530	60	3/3	97	7000

## TCS 40/45/50/89/19



**Socket set**

— safely integrated in the modular Tool Control System (TCS)

**Contains 108-pieces:**

- 13 sockets with bi-hex 1/4" **No. 40**: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 5 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6; E7; E8
- 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 1 extension 1/4" **No. 405**: L. 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 square drive adaptor **No. 409M**: 1/4 to 3/8"
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N**: L. 117 mm
- 12 sockets with bi-hex 3/8" **No. 45**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 3 sockets TORX® 3/8" **No. 45TX**: E10; E12; E14
- 1 socket with bi-hex 3/8" **No. 46**: 20.8 mm-<sup>13/16</sup>"
- 6 screwdriver sockets INHEX 3/8" **No. 49**: 4; 5; 6; 7; 8; 10 mm
- 1 T-handle 3/8" **No. 425**: L. 165 mm
- 2 extensions 3/8" **No. 427**: L. 76; 240 mm
- 1 universal joint 3/8" **No. 428**: L. 46 mm
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 ratchet 3/8" **No. 435-2K**: L. 193 mm
- 7 sockets with bi-hex 1/2" **No. 50**: 19; 21; 22; 24; 27; 30; 32 mm
- 5 sockets TORX® 1/2" **No. 50TX**: E11; E16; E18; E20; E24
- 9 sockets with hex 1/2" **No. 52**: 16; 17; 18; 19; 22; 24; 27; 30; 32 mm
- 4 screwdriver sockets INHEX 1/2" **No. 54**: 6; 7; 8; 10 mm
- 4 screwdriver sockets TORX® 1/2" **No. 54TX**: T45; T50; T55; T60
- 4 screwdriver sockets XZN® 1/2" **No. 54X**: M6; M8; M12; M14
- 1 T-handle 1/2" **No. 506**: L. 300 mm
- 2 extensions 1/2" **No. 509**: L. 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 1 square drive adaptor **No. 514M**: 1/2 to 3/4"
- 5 bits TORX® **No. 1410-1427**: T6; T7; T8; T9; T25
- 7 bits TORX® **No. 1440-1446**: T10; T15; T20; T25; T27; T30; T40

Product no.	■	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830192	1/4, 3/8, 1/2, 3/4	350	530	70	3/3	108	7770

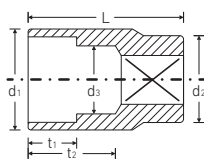
# 3/8" SOCKETRY.

## 45



### Sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / ASME B 107.5M / DIN EN 3709



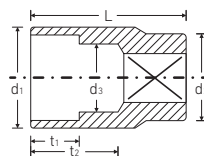
Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
02010007	7	24	10.5	16.5	6	6	12.5	19
02010008	8	25	11.7	16.5	7	7	13.5	19
02010009	9	25	13	16.5	8	7	13.5	19
02010010	10	27	14.3	16.5	9	8.5	15.5	20
02010011	11	27	15.6	16.5	10	8.5	13.7	21
02010012	12	28	16.9	17.5	11	9.5	14.4	24
02010013	13	30	18	17.5	12	11.5	16.1	30
02010014	14	30	19.4	17.5	13	11.5	15.8	28
02010015	15	31	20.6	19	14	12.5	19.2	40
02010016	16	31	21.7	19	15	13.5	18.9	33
02010017	17	31	23	19	16	12.5	18.6	44
02010018	18	32	24.2	19	17	13.5	19.3	39
02010019	19	32	25.2	19	18	13.5	19	39
02010020	20	34	26.2	20	19	15.5	20.7	51
02010021	21	34	27.7	21	20	15.5	20.5	53
02010022	22	35	28.7	21	21	17	21.2	61
02010024	24	35	31.5	24	21	18	21.2	92

## 45a



### Sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E (test values)



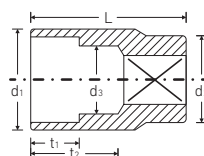
Product no.	"	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
02410016	1/4	24	9.7	16.5	5.2	6	12.5	18
02410020	5/16	25	11.7	16.5	7	7	13.5	19
02410022	11/32	25	12.5	16.5	8.1	7	13.5	19
02410024	3/8	27	13.7	16.5	8.4	8.5	15.5	20
02410028	7/16	28	15.7	16.5	10	9.5	15.1	20
02410032	1/2	30	18	17.5	11.5	11.5	16.5	24
02410034	9/16	31	20.2	19	13.1	12.7	16.8	28
02410035	19/32	31	20.6	19	14	13	19.2	36
02410036	5/8	31	21.7	19	15	13.5	18.9	31
02410038	11/16	32	23.4	19	16.3	14.7	19.5	34
02410040	3/4	32	25.2	19	18	15.9	19	41
02410042	13/16	34	27.2	20.5	19.4	16.5	20.5	52
02410044	7/8	35	28.7	22	21	18	21	59
02410046	15/16	35	31.5	24	22.6	18.5	20.7	95
02410048	1	35	33	25.5	24.2	18.5	20.2	97

## 45aP



### Socket

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, gunmetal finish
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E (test values)



Product no.	"	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	g
02430020	5/16	25	11.9	16.5	8.1	7	13.5	19



### Anti-Slip-Drive

The special AS-Drive profile makes high force transmission to the flats of screws and bolts possible without damaging them. This also prevents stripping of the screw head.

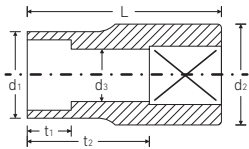
## Socketry

### 45aSP



#### Sockets

- for external Spline-Drive screws
- $\frac{3}{8}$ " internal square drive
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



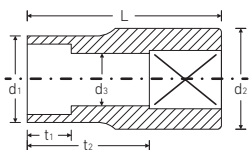
Product no.	Size	$\frac{3}{8}$ "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	$\frac{\Delta}{g}$
02011012	12	$\frac{3}{8}$	26.5	13.7	16.5	8.6	9	15	24
02011014	14	$\frac{7}{16}$	28	16	17.3	10.4	11	14.5	37
02011016	16	$\frac{1}{2}$	28	18	18.3	12.2	11.5	14	28

### 45aPSP



#### Socket

- for external Spline-Drive screws
- $\frac{3}{8}$ " internal square drive
- HPQ® high performance steel, gunmetal finish
- MS-33787 / MIL-W-8982



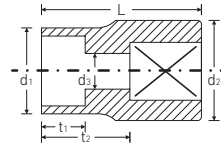
Product no.	Size	$\frac{3}{8}$ "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	$\frac{\Delta}{g}$
22410028	14	$\frac{7}{16}$	28	18.8	18.8	10.4	11	14.5	36

### 45TX



#### Sockets

- for external TORX® screws
- $\frac{3}{8}$ " internal square drive
- HPQ® high performance steel, chrome-plated



Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	$\frac{\Delta}{g}$
02270005	E5	28	7	16.5	2.8	5	16.5	23
02270006	E6	28	8	16.5	3.6	5.5	16.5	23
02270007	E7	28	9	16.5	3.8	6.5	16.5	24
02270008	E8	28	10.5	16.5	4.3	7	16.5	22
02270010	E10	28	13	16.5	5.6	8	16.5	27
02270012	E12	28	14.9	16.5	7.2	9.5	16.5	30
02270014	E14	28	16.5	17.3	8	10	16.5	34

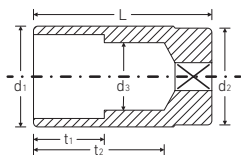


## 46



### Sockets

- long version
- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- size 20.8: with rubber insert for spark plugs
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709 / ASME B 107.5M



Product no.	mm	"	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02020008	8		54	11.7	16.5	7	9	42.5	36
02020010	10		54	14.3	16.5	9	20	42.5	41
02020011	11		54	15.6	16.5	10	20	40.7	51
02020012	12		54	16.9	17.5	11	20	40.4	57
02020013	13		54	18	17.5	12	20	40.1	61
02020014	14		60	19.4	17.5	13	25	45.8	75
02020015	15		60	20.6	19	14	25	48.2	85
02020016	16		60	21.7	19.5	15	25	47.9	81
02020017	17		65	23	21	16	30	52.6	97
02020018	18		65	24.2	22	17	30	52.3	121
02020019	19		65	25.2	23	18	30	52	112
02020020	20.8	13/16	65	27.2	25	-	18	-	151
02020021	21		65	27.7	25.5	20	30	51.5	137
02020022	22		65	28.7	26.5	21	30	51.2	178

**MADE IN CRONENBERG**  
MADE IN GERMANY

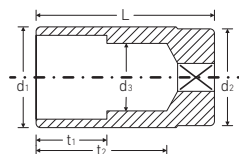
For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 46a



### Sockets

- long version
- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E



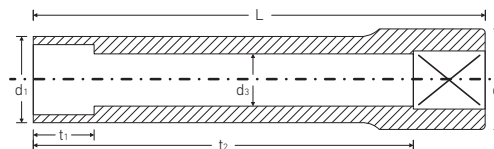
Product no.	"	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02420016	1/4	54	9.7	16.5	5.2	9	42.5	33
02420020	5/16	54	11.7	16.5	7	9	42.5	35
02420022	11/32	54	12.5	16.5	8.1	9	42.5	56
02420024	3/8	54	13.7	16.5	8.4	20	42.5	45
02420028	7/16	54	15.7	16.5	10	20	40.7	53
02420032	1/2	54	18	17.5	11.5	20	40.2	64
02420034	9/16	60	20.2	19	13.1	25	45.8	80
02420035	19/32	60	20.6	19	14	25	48.2	84
02420036	5/8	60	21.7	19.5	15	25	47.9	81
02420038	11/16	65	23.4	21.5	16.3	30	52.5	114
02420040	3/4	65	25.2	23	18	30	52	137
02420042	13/16	65	27.2	25	19.4	30	51.6	130
02420044	7/8	65	28.7	26.5	21	30	51.2	184
02420046	15/16	65	31.5	29	22.6	30	50.7	195
02420048	1	65	33	31	24.2	30	50.2	205

## 46aSP



### Sockets

- long version, deep drilled
- for external Spline-Drive screws
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- MS-33787 / MIL-W-8982



Product no.	Size	"	L mm	d1 mm	d2 mm	d3 mm	t2 mm	g
02021012	12	3/8	54	13.7	16.5	8.6	42.5	52
02021014	14	7/16	54	16	17.3	10.4	42.5	63

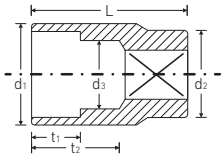
Socketry

456



Sockets

- hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / ASME B 107.5M / DIN EN 3709



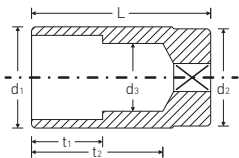
Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02110007	7	24	10.5	16.5	6	6	12.5	19
02110008	8	25	11.7	16.5	7	7	13.5	19
02110009	9	25	13	16.5	8	7	13.5	20
02110010	10	27	14.3	16.5	9	8.5	15.5	20
02110011	11	27	15.6	16.5	10	8.5	13.7	21
02110012	12	28	16.9	17.5	11	9.5	14.4	24
02110013	13	30	18	17.5	12	11.5	16.1	25
02110014	14	30	19.4	17.5	13	11.5	15.8	29
02110015	15	31	20.6	19	14	12.5	19.2	30
02110016	16	31	21.7	19	15	13.5	18.9	34
02110017	17	31	23	19	16	12.5	18.6	45
02110018	18	32	24.2	19	17	13.5	19.3	42
02110019	19	32	25.2	19.6	18	13.5	19	43
02110020	20	34	26.2	20.5	19	15.5	20.7	53
02110021	21	34	27.7	21.8	20	15.5	20.5	59
02110022	22	35	28.7	21	21	17	21.2	59

460a



Sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E / S.B.A.C. AS 40610/40611 / ASME B 107.1



Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02620016	1/4	32	9.9	16.5	5.2	7	20.5	21
02620020	5/16	32	11.5	16.5	7	8.5	20.5	22
02620024	3/8	38	13.7	16.5	8.5	9	26.5	29
02620028	7/16	38	15.7	16.5	10	11	24.5	33
02620032	1/2	44	17.5	17.8	11.5	12	30	44

3046



Oil filter wrenches

- hex
- 3/8" internal square drive
- for removing and mounting the oil filter housing cover when changing the oil filter insert

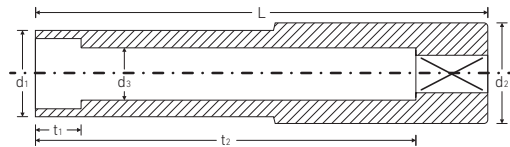
Product no.	"	mm	L mm	g
02111032	3/8	32	43	130
02111036	3/8	36	50	160

3466



Spark plug socket

- long version, with magnet
- hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



Product no.	mm	"	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02140036	16	5/8	85	21.8	25.5	15	7	72.9	180

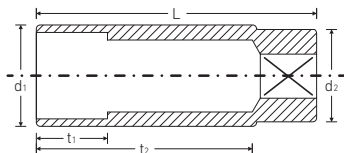
TOOLS THAT  
... inspire

## 4600



### Spark plug socket

- long version, with rubber insert
- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



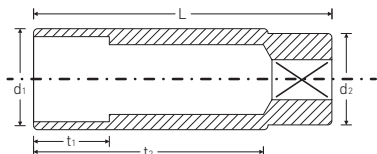
Product no.	mm	"	L mm	d1 mm	d2 mm	t1 mm	t2 mm	g
02120036	16	5/8	60	21.7	19.5	15	47.8	84

## 4606



### Spark plug socket

- long version, with rubber insert
- hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



Product no.	mm	"	L mm	d1 mm	d2 mm	t1 mm	t2 mm	g
02130018	18	11/16	65	24.2	22	18	52.8	132

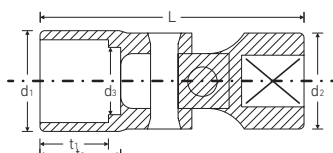


## 47



### Uniflex sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



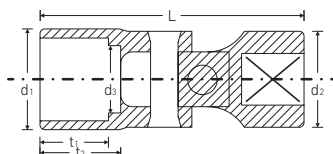
Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02040010	10	45.5	14.3	17.5	9	7	12	51
02040011	11	47.5	15.6	17.5	10	11	14	55
02040012	12	48	16.9	17.5	11	11	14.5	54
02040013	13	48	18.3	17.5	12	12	14.5	53
02040014	14	48.5	19.4	17.5	13	13	14.5	55
02040015	15	48.5	20.6	17.5	14	13	14.5	56
02040016	16	51.5	21.8	17.5	15	14	17	58
02040017	17	53.5	23	17.5	16	15	18.5	65
02040018	18	54.5	24.2	17.5	17	16	18.5	61
02040019	19	57	25.5	17.5	18	16	21	68

## 47a



### Uniflex sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E



Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
02440020	5/16	45.5	11.7	17.5	7	7	12.5	50
02440024	3/8	45.5	13.7	17.5	8.5	7	12	50
02440028	7/16	47.5	15.8	17.5	10	11	14	50
02440032	1/2	47.5	18.3	17.5	11.5	11.5	14	57
02440034	9/16	48.5	19.7	17.5	13.1	13	14.5	55
02440036	5/8	51.5	21.6	17.5	15	14	17	59
02440038	11/16	53.5	23.5	17.5	16.3	16	18.5	58
02440040	3/4	57	25.5	17.5	18	16	21	67

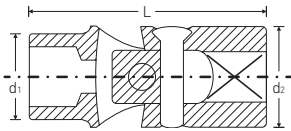
Socketry

# 47TX



**Uniflex sockets**

- for external TORX® screws
- 3/8" internal square drive
- Chrome Alloy Steel, chrome-plated



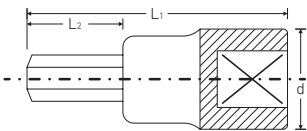
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	±g
02070008	E8	43	11.5	19	56
02070010	E10	44	13.8	19	61
02070012	E12	46	16	19	66
02070014	E14	48	17.8	19	75

# 49



**INHEX screwdriver sockets**

- for hex socket head screws
- 3/8" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



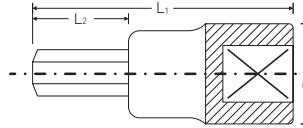
Product no.	mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	±g
02050003	3	52	20	17.8	38
02050004	4	52	20	17.8	40
02050005	5	52	20	17.8	44
02050006	6	52	20	17.8	46
02050007	7	52	20	17.8	51
02050008	8	52	20	17.8	55
02050010	10	52	20	17.8	62

# 49a



**INHEX screwdriver sockets**

- for hex socket head screws
- 3/8" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



Product no.	mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	±g
02450008	1/8	52	20	17.8	39
02450009	9/64	52	20	17.8	40
02450010	5/32	52	20	17.8	40
02450012	3/16	52	20	17.8	44
02450014	7/32	52	20	17.8	46
02450016	1/4	52	20	17.8	48
02450020	5/16	52	20	17.8	55
02450024	3/8	52	20	17.8	61

# 1049/3049



**INHEX screwdriver sockets**

- special lengths
- for hex socket head screws
- 3/8" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422

Product no.	mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	±g
02151007	7	100	68	17.8	66
02151009	9	57	25	17.8	62
02152408	8	24	6.5	19	28



## 2049



### INHEX screwdriver sockets

- extra long design
- for hex socket head screws
- $\frac{3}{8}$ " internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422

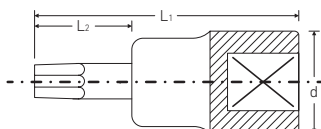
Product no.	mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	Δg
02151004	4	100	68	17.8	45
02151005	5	100	68	17.8	50
02151006	6	100	68	17.8	50
02151208	8	120	88	17.8	85
02151210	10	120	88	17.8	106

## 49X



### Screwdriver sockets

- for tri-square socket head screws XZN®
- $\frac{3}{8}$ " internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 2324



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	Δg
02060005	M5	52	20	17.8	45
02060006	M6	52	20	17.8	47
02060008	M8	52	20	17.8	56
02060010	M10	52	20	17.8	63

## 3049X



### Screwdriver sockets

- extra long design
- for tri-square socket head screws XZN®
- $\frac{3}{8}$ " internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 2324

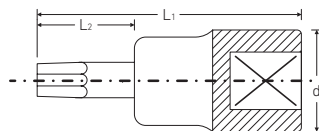
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	Δg
02261206	M6	120	88	17.8	72
02261208	M8	120	88	17.8	80
02261210	M10	120	88	17.8	106

## 49TX

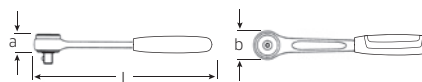


### Screwdriver sockets

- for recessed TORX® screws
- $\frac{3}{8}$ " internal square drive
- Chrome Alloy Steel, chrome-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	Δg
02100009	T9	49	17	17.8	45
02100010	T10	49	17	17.8	45
02100015	T15	49	17	17.8	45
02100020	T20	49	17	17.8	46
02100025	T25	49	17	17.8	46
02100027	T27	49	17	17.8	46
02100030	T30	49	17	17.8	47
02100040	T40	49	17	17.8	48
02100045	T45	49	17	17.8	49



### $\frac{3}{8}$ " drive tools

Explanation of table headings

- L = Overall length
- a = Head height (excluding square drive)
- b = Head width

## 422



### Fine-tooth ratchet

- $\frac{3}{8}$ " external square drive
- reversible
- 60 teeth
- for working in tight spaces, with a working angle of just 6°
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	Size	L mm	a mm	b mm	∠	Δg
12231011	$\frac{3}{8}$	194	24	32	6°	236

## Socketry

### 435-2K



#### Ratchet

- 3/8" external square drive
- reversible
- 30 teeth
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
12111010	3/8	193	18	29	12°	235

### 435QR N



#### QuickRelease fine-tooth ratchet

- 3/8" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
12111020	3/8	193	15	30	4.5°	235

### 435SG-QR N



#### QuickRelease fine-tooth ratchet

- 3/8" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with steel handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
12111030	3/8	193	15	30	4.5°	272

### 445



#### Ratchet adaptor

- 3/8" external square drive
- reversible
- 20 teeth
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	b mm	°	g
12140000	3/8	43	30	18°	135

### 452QR



#### QuickRelease fine-tooth flexible ratchet

- 3/8" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- handle can be swivelled up and down by approximately 90°, locking in the following positions: straight, 30° up, 60° up, 30° down
- lock releases at the push of a button
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
12261010	3/8	300	14.5	28.2	4.5°	350

### 4350

#### Ratchet spare parts set

##### Contains 8-pieces:

- 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	g
19020000	435	3/8	8	50

### 4350QR



#### Ratchet spare parts set

##### Contains 8-pieces:

- 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	g
19020020	435QR, 725QR/5	3/8	8	51

## 4350QR N



### Ratchet spare parts set

Contains 9-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19021020	435QR N, 435SG-QR N, 452QR	3/8	9	48

## 424



### Flexible handle

- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
12061010	3/8	253.5	222

## 425



### T-handle

- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
12070000	3/8	165	130

## 425QR



### QuickRelease T-handle

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	△△ g
12071000	3/8	165	148

## 425/1QR



### QuickRelease T-handle

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	△△ g
12071500	3/8	165	145

## 421



### Speeder brace

- working radius: 85 mm
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
12100010	3/8	386.5	385

## 453QR

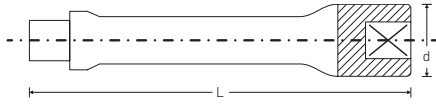


### QuickRelease speeder brace

- with QuickRelease safety lock
- with steel handle
- with ball locking function
- separate palm piece can be attached for greater axial force transmission
- working radius: 85 mm
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
12100005	3/8	408	650

## Socketry



### 3/8" extensions

Explanation of table headings

L = Overall length

d = Diameter of head

## 426QR



### QuickRelease extensions

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12011503	3	3/8	75	17	70
12011506	6	3/8	160	17	127
12011510	10	3/8	240	17	190
12011514	14	3/8	355	17	270

## 427



### Extensions

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12010005	1.5	3/8	38	17	36
12010001	3	3/8	76	17	69
12010006	5	3/8	125	17	104
12010002	6	3/8	160	17	127
12010003	10	3/8	240	17	188
12010004	18	3/8	455	17	345

## 427QR



### QuickRelease extensions

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12011001	3	3/8	76	17	66
12011002	6	3/8	160	17	127
12011003	10	3/8	240	17	185

## 427W



### Wobble-Drive extensions

- swivel angle up to 15° to each side
- max. torque: 80 N·m
- Chrome Alloy Steel, chrome-plated

Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12010007	3	3/8	76	17	67
12010008	5	3/8	125	17	104
12010009	6	3/8	160	17	127

## 434



### Flexible extension

- only for clockwise tightening
- max. torque: 7 N·m
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12040000	3/8	194	14	109

## 1225



### Special extension

- cranked
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
12250001	3/8	150	17	128

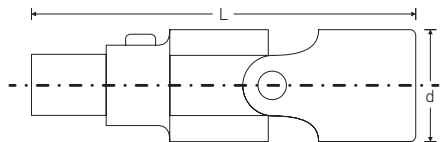
## 13220



### Special extension

- to remove borescope stoppers
- with locking of the borescope plugs
- with 16 mm external hex
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ <sub>g</sub> g
12270020	3/8	355	330



**3/8" universal joints**

Explanation of table headings

L = Overall length

d = Diameter of head

**428**



**Universal joint**

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	△△ g
12020000	3/8	46	18.8	55

**428QR**



**QuickRelease universal joint**

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	△△ g
12021000	3/8	60	19	66

**428/1QR**



**QuickRelease universal joint**

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- patented
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	△△ g
12021500	3/8	60	70

**431**



**Square drive adaptor**

- 3/8 to 1/4"
- max. torque: 62 N·m
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	△△ g
12030001	1/4	28	17.2	26

**432**



**Square drive adaptor**

- 3/8 to 1/2"
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	△△ g
12030003	1/2	31	17.2	36

**432M**



**Square drive adaptor**

- 3/8 to 1/2"
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	△△ g
12030010	1/2	16	22

3

## Socketry

### 433/1



#### Locking adaptor

— with hex L-Key  $\frac{1}{8}$ " No. 10760a

Product no.	"	L mm	∅ (d) mm	△△ g
96122701	$\frac{3}{8}$	52	18	57

### 45/10-12917



#### Socket set on clip rail

- bi-hex with AS-Drive profile
- HPQ® high performance steel, chrome-plated
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5M

#### Contains 10-pieces:

10 sockets with bi-hex  $\frac{3}{8}$ " No. 45: 8; 10; 13; 14; 15; 17; 19; 21; 22; 24 mm

+ socket clip rail No. 12917/10

Product no.	Content pcs.	△△ g
96052010	10	512

### 12917/10



#### Socket clip rail

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel

Product no.	"	L mm	Retaining clips	△△ g
80450003	$\frac{3}{8}$	255	10	54

### 12916/12917/12918



#### Socket clip rail set

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- attachments can be combined with each other
- can be mounted on a wall or perforated wall/panel

#### Contains 3-pieces:

1 socket clip rail  $\frac{1}{4}$ " (6.3 mm)

1 socket clip rail  $\frac{3}{8}$ " (10 mm)

1 socket clip rail  $\frac{1}{2}$ " (12.5 mm)

Product no.	L mm	Retaining clips	Content pcs.	△△ g
96003010	315	30	3	190

### 45/11/4



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 15-pieces:

11 sockets with bi-hex  $\frac{3}{8}$ " No. 45: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

1 ratchet  $\frac{3}{8}$ " No. 435-2K: L. 193 mm

2 extensions  $\frac{3}{8}$ " No. 427: L. 76; 240 mm

1 universal joint  $\frac{3}{8}$ " No. 428: L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△△ g
96021109	$\frac{3}{8}$	325	135	60	15	1444

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... inspire

### 45a/12/5



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 17-pieces:**

11 sockets with bi-hex 3/8" **No. 45a:** 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16"

1 socket long, with bi-hex and rubber insert 3/8" **No. 4600:** 16 mm-5/8"

1 ratchet 3/8" **No. 435-2K:** L. 193 mm

2 extensions 3/8" **No. 427:** L. 76; 240 mm

1 T-handle 3/8" **No. 425:** L. 165 mm

1 universal joint 3/8" **No. 428:** L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96025204	3/8	325	135	60	17	1652

### 45/14/5I QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 19-pieces:**

14 sockets with bi-hex 3/8" **No. 45:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm

1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N:** L. 193 mm

2 QuickRelease extensions 3/8" **No. 427QR:** L. 76; 240 mm

1 QuickRelease T-handle 3/8" **No. 425QR:** L. 165 mm

1 QuickRelease universal joint 3/8" **No. 428QR:** L. 60 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96021180	3/8	325	135	60	19	1738

### 45/14/5I



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 19-pieces:**

14 sockets with bi-hex 3/8" **No. 45:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm

1 ratchet 3/8" **No. 435-2K:** L. 193 mm

2 extensions 3/8" **No. 427:** L. 76; 240 mm

1 T-handle 3/8" **No. 425:** L. 165 mm

1 universal joint 3/8" **No. 428:** L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96024132	3/8	325	135	60	19	1678

### 45a/22/8QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 30-pieces:**

14 sockets with bi-hex 3/8" **No. 45a:** 1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 15/16; 1"

8 flex sockets with bi-hex 3/8" **No. 47a:** 5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4"

1 QuickRelease fine-tooth ratchet 3/8" **No. 435SG-QR N:** L. 193 mm

3 QuickRelease extensions 3/8" **No. 427:** L. 76; 160; 240 mm

1 QuickRelease universal joint 3/8" **No. 428QR:** L. 60 mm

2 bit holders 3/8" **No. 442; 443:** L. 32 mm

1 speeder brace 3/8" **No. 453:** L. 408 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96025207	3/8	458	257	65	30	3685

## Socketry

### 45ma/28/5



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 33-pieces:

28 sockets with bi-hex  $\frac{3}{8}$ "

**No. 45:** 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

**No. 45a:**  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ "

1 ratchet  $\frac{3}{8}$ " **No. 435-2K:** L. 193 mm

2 extensions  $\frac{3}{8}$ " **No. 427:** L. 76; 240 mm

1 T-handle  $\frac{3}{8}$ " **No. 425:** L. 165 mm

1 universal joint  $\frac{3}{8}$ " **No. 428:** L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96021122	$\frac{3}{8}$	417	230	60	33	2660

### 45ma/28/5QR



#### QuickRelease socket set

— in a sturdy, stackable ABS plastic box

#### Contains 33-pieces:

28 sockets with bi-hex  $\frac{3}{8}$ "

**No. 45:** 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

**No. 45a:**  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ "

1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N:** L. 193 mm

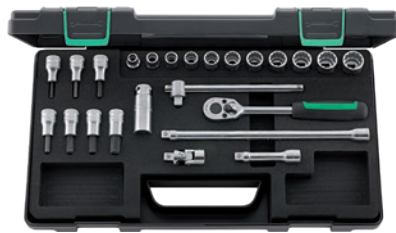
2 QuickRelease extensions  $\frac{3}{8}$ " **No. 427QR:** L. 76; 240 mm

1 QuickRelease T-handle  $\frac{3}{8}$ " **No. 425QR:** L. 165 mm

1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428QR:** L. 60 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96020107	$\frac{3}{8}$	415	230	60	33	2710

### 45/49/19/5



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 24-pieces:

11 sockets with bi-hex  $\frac{3}{8}$ " **No. 45:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

1 socket long, with bi-hex and rubber insert  $\frac{3}{8}$ " **No. 4600:** 16 mm- $\frac{5}{8}$ "

7 screwdriver sockets INHEX  $\frac{3}{8}$ " **No. 49:** 3; 4; 5; 6; 7; 8; 10 mm

1 ratchet  $\frac{3}{8}$ " **No. 435-2K:** L. 193 mm

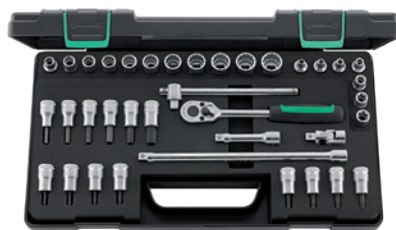
2 extensions  $\frac{3}{8}$ " **No. 427:** L. 76; 240 mm

1 T-handle  $\frac{3}{8}$ " **No. 425:** L. 165 mm

1 universal joint  $\frac{3}{8}$ " **No. 428:** L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96021223	$\frac{3}{8}$	417	230	60	24	2428

### 45/49/32/5TX



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 37-pieces:

11 sockets with bi-hex  $\frac{3}{8}$ " **No. 45:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

7 sockets TORX®  $\frac{3}{8}$ " **No. 45TX:** E5; E6; E7; E8; E10; E12; E14

6 screwdriver sockets INHEX  $\frac{3}{8}$ " **No. 49:** 4; 5; 6; 7; 8; 10 mm

8 screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 49TX:** T9; T10; T15; T20; T25; T27; T30; T40

1 ratchet  $\frac{3}{8}$ " **No. 435-2K:** L. 193 mm

2 extensions  $\frac{3}{8}$ " **No. 427:** L. 76; 240 mm

1 T-handle  $\frac{3}{8}$ " **No. 425:** L. 165 mm

1 universal joint  $\frac{3}{8}$ " **No. 428:** L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96022119	$\frac{3}{8}$	417	230	60	37	2860

## 45TX/7



### TORX® socket set

- for external TORX® screws
- precisely fitting foam inlay
- in cardboard packaging

#### Contains 7-pieces:

7 sockets TORX® 3/8" No. **45TX**: E5; E6; E7; E8; E10; E12; E14

Product no.	"	Content pcs.	△△ g
96022702	3/8	7	219

## 49TX/8



### TORX® screwdriver socket set

- for recessed TORX® screws
- precisely fitting foam inlay
- in cardboard packaging

#### Contains 8-pieces:

8 screwdriver sockets TORX® 3/8" No. **49TX**: T9; T10; T15; T20; T25; T27; T30; T40

Product no.	"	Content pcs.	△△ g
96021001	3/8	8	456



### High Performance Quality (HPQ®)

Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.

## TCS 49/1049/2049/45TX/49TX



### Socket set

- safely integrated in the modular Tool Control System (TCS)

#### Contains 24-pieces:

6 screwdriver sockets INHEX 3/8" No. **49**: 4; 5; 6; 7; 8; 10 mm

1 screwdriver socket INHEX 3/8" No. **1049**: 7 mm

5 screwdriver sockets INHEX 3/8" No. **2049**: 4; 5; 6; 8; 10 mm

6 screwdriver sockets TORX® 3/8" No. **45TX**: E5; E6; E7; E8; E10; E12

6 screwdriver sockets TORX® 3/8" No. **49TX**: T10; T15; T20; T25; T30; T40

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838772	3/8	350	175	40	1/3	24	1188

## 456/11/4



### Socket set

- in a sturdy, stackable ABS plastic box

#### Contains 15-pieces:

11 sockets with hex 3/8" No. **456**: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

1 ratchet 3/8" No. **435-2K**: L. 193 mm

2 extensions 3/8" No. **427**: L. 76; 240 mm

1 universal joint 3/8" No. **428**: L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△△ g
96022133	3/8	325	135	60	15	1458

## Socketry

### 456/14/51



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 19-pieces:

14 sockets with hex  $\frac{3}{8}$ " **No. 456**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm

1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm

2 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 240 mm

1 T-handle  $\frac{3}{8}$ " **No. 425**: L. 165 mm

1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△△ g
96023132	$\frac{3}{8}$	325	135	60	19	1758

### TCS 456/31/8



#### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 39-pieces:

16 sockets with hex  $\frac{3}{8}$ " **No. 456**: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

4 sockets with bi-hex  $\frac{3}{8}$ " **No. 46**: 10; 11; 12; 13 mm

7 uniflex sockets with bi-hex  $\frac{3}{8}$ " **No. 47**: 10; 11; 12; 13; 14; 15; 16 mm

1 screwdriver socket INHEX  $\frac{3}{8}$ " **No. 1049**: 9 mm

3 screwdriver sockets XZN®  $\frac{3}{8}$ " **No. 49X**: M6; M8; M10

3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 125; 240 mm

1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm

1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "

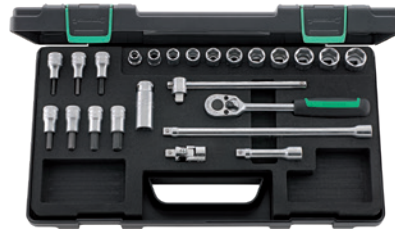
1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "

1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm

1 QuickRelease fine-tooth flexible ratchet  $\frac{3}{8}$ " **No. 452QR**: L. 300 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830602	$\frac{3}{8}$	350	350	32	$\frac{2}{3}$	39	2701

### 456/49/19/5



#### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 24-pieces:

11 sockets with hex  $\frac{3}{8}$ " **No. 456**: 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

1 socket long, with bi-hex and rubber insert  $\frac{3}{8}$ " **No. 4600**: 16 mm- $\frac{5}{8}$ "

7 screwdriver sockets INHEX  $\frac{3}{8}$ " **No. 49**: 3; 4; 5; 6; 7; 8; 10 mm

1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm

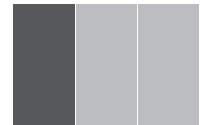
2 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 240 mm

1 T-handle  $\frac{3}{8}$ " **No. 425**: L. 165 mm

1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△△ g
96021236	$\frac{3}{8}$	417	230	60	24	2456

### TCS 456/16/6



#### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 22-pieces:

16 sockets with hex  $\frac{3}{8}$ " **No. 456**: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

1 T-handle  $\frac{3}{8}$ " **No. 425**: L. 165 mm

3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 160; 240 mm

1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm

1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838752	$\frac{3}{8}$	350	175	40	$\frac{1}{3}$	22	1465

## TCS 456/16/6QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 22-pieces:

16 sockets with hex  $\frac{3}{8}$ " No. 456: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

1 QuickRelease T-handle  $\frac{3}{8}$ " No. 425QR: L. 165 mm

3 QuickRelease extensions  $\frac{3}{8}$ " No. 427QR: L. 76; 160; 240 mm

1 QuickRelease universal joint  $\frac{3}{8}$ " No. 428QR: L. 46 mm

1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " No. 435QR N: L. 193 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830367	$\frac{3}{8}$	350	175	40	$\frac{1}{3}$	22	1465

## TCS 456/16/7QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 23-pieces:

16 sockets with hex  $\frac{3}{8}$ " No. 456: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

3 QuickRelease extensions  $\frac{3}{8}$ " No. 427QR: L. 76; 160; 240 mm

1 QuickRelease universal joint  $\frac{3}{8}$ " No. 428QR: L. 46 mm

1 square drive adaptor No. 431:  $\frac{3}{8}$  to  $\frac{1}{4}$ "

1 square drive adaptor No. 432:  $\frac{3}{8}$  to  $\frac{1}{2}$ "

1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " No. 435QR N: L. 193 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830370	$\frac{3}{8}$	350	175	40	$\frac{1}{3}$	23	1400

## TCS 456/16/7



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 23-pieces:

16 sockets with hex  $\frac{3}{8}$ " No. 456: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

3 extensions  $\frac{3}{8}$ " No. 427: L. 76; 125; 240 mm

1 universal joint  $\frac{3}{8}$ " No. 428: L. 46 mm

1 square drive adaptor No. 431:  $\frac{3}{8}$  to  $\frac{1}{4}$ "

1 square drive adaptor No. 432:  $\frac{3}{8}$  to  $\frac{1}{2}$ "

1 ratchet  $\frac{3}{8}$ " No. 435-2K: L. 193 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830218	$\frac{3}{8}$	350	175	40	$\frac{1}{3}$	23	1400

## TCS 456/16/4 MF



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 20-pieces:

16 sockets with hex  $\frac{3}{8}$ " No. 456: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

2 extensions  $\frac{3}{8}$ " No. 427: L. 125; 240 mm

1 universal joint  $\frac{3}{8}$ " No. 428: L. 46 mm

1 ratchet  $\frac{3}{8}$ " No. 435-2K: L. 193 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830357	$\frac{3}{8}$	350	175	45	$\frac{1}{3}$	20	1123

## TCS 456/16/4QR MF



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 20-pieces:

16 sockets with hex  $\frac{3}{8}$ " No. 456: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

2 QuickRelease extensions  $\frac{3}{8}$ " No. 427QR: L. 160; 240 mm

1 QuickRelease universal joint  $\frac{3}{8}$ " No. 428QR: L. 46 mm

1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " No. 435QR N: L. 193 mm

Product no.	■	L mm	W mm	H mm	Size	Content pcs.	△ g
96830371	$\frac{3}{8}$	350	175	45	$\frac{1}{2}$	20	1123



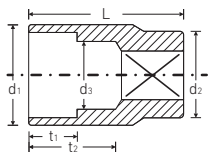
# 1/2" SOCKETRY.

## 50



### Sockets

- bi-hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5 M



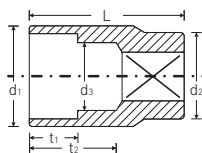
Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
03010008	8	38	13	22	7	9	22	56
03010009	9	38	13.7	22	8	9	22	57
03010010	10	38	14.5	22	9	9	22	50
03010011	11	38	15.8	22	10	9.5	22	50
03010012	12	38	17	22	11	13	22	58
03010013	13	38	18.3	22	12	13	22	50
03010014	14	38	19.9	22.7	13	13	20.5	60
03010015	15	38	21.2	22.7	14	13.5	20.2	62
03010016	16	38	22.4	23.7	15	13.5	19.6	63
03010017	17	38	24	23.7	15.2	15	19.6	66
03010018	18	38	24.7	23.7	17	15.5	19.1	71
03010019	19	38	26.2	25	18	16	21.7	78
03010020	20	42	27.2	25	19	15	25.5	89
03010021	21	42	28.7	26	20	16	25.2	100
03010022	22	42	29.7	26	21	16.5	24.9	113
03010023	23	42	30.7	26	20	18	25.4	114
03010024	24	42	32	26	21	18.5	24.9	117
03010025	25	42	33.2	25	22	18.5	24.6	119
03010026	26	42	34.4	25	23	18.5	24.3	122
03010027	27	45	36.2	26	24	19.5	27	150
03010028	28	45	37.4	27	25	19.5	26.7	158
03010030	30	45	39.7	28	27	20.5	26.1	171
03010031	31	47	42.2	28	28	22	27.9	215
03010032	32	47	42.2	28	29	22	27.6	189
03010034	34	47	45	28	31	22	27	210
03010036	36	52	48	31	34	24	30.9	286

## 50a



### Sockets

- bi-hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E (test values)



Product no.	mm	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	g
03410024	3/8	38	14.3	22	8.3	9	22	51
03410028	7/16	38	16.3	22	9.9	9	22	52
03410032	1/2	38	18.3	22	11.5	13	22	53
03410034	9/16	38	20.3	22.7	13.1	13	20.2	58
03410035	19/32	38	21.3	22.7	13.5	13.5	20.1	61
03410036	5/8	38	22.4	23.7	15	13.5	19.6	65
03410038	11/16	38	24.2	23.7	16.5	15.5	19.2	68
03410040	3/4	38	26.2	25	18	16	21.7	78
03410041	25/32	41	27	25	18.6	16	24.6	90
03410042	12/16	41	28.2	25	19.4	16.5	24.3	95
03410044	7/8	42	29.7	26	21	18	24.9	111
03410046	15/16	42	32	26	22.6	18.5	24.4	121
03410048	1	42	33.7	27	24.2	18.5	24	135
03410050	1 1/16	45	36.2	26	25.8	19.5	26.5	155
03410052	1 1/8	45	38.1	28	27.4	20	26	167
03410054	1 3/16	45	39	28	28	20.5	25.9	178
03410056	1 1/4	45	40	28	30.5	21	25.1	196
03410058	1 5/16	47	41.8	28	32.1	22	26.7	170
03410060	1 3/8	50	46	28	33.7	23	29.2	232
03410062	1 7/16	54	49.4	31	34	26	33.1	320
03410064	1 1/2	54	51	31	35	26	32.8	325

3

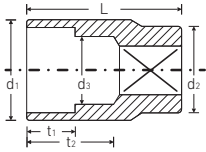
Socketry

52



Sockets

- hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / ASME B 107.5M / DIN EN 3709



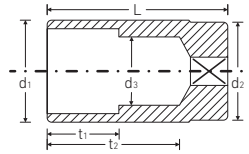
Product no.	⌀ mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	⊖ g
03030008	8	38	13	22	7	9	22	56
03030009	9	38	13.7	22	8	9	22	56
03030010	10	38	14.5	22	9	9	22	51
03030011	11	38	15.8	22	10	9.5	22	58
03030012	12	38	17	22	11	13	22	52
03030013	13	38	18.3	22	12	13	22	51
03030014	14	38	19.9	22.7	13	13	20.5	59
03030015	15	38	21.2	22.7	14	13.5	20.2	60
03030016	16	38	22.4	23.7	15	13.5	19.6	65
03030017	17	38	24	23.7	15.2	15	19.6	70
03030018	18	38	24.7	23.7	17	15.5	19.1	73
03030019	19	38	26.2	25	18	16	21.7	80
03030020	20	42	27.2	25	19	15	25.5	95
03030021	21	42	28.7	26	20	16	25.2	110
03030022	22	42	29.7	26	21	16.5	24.9	115
03030023	23	42	30.7	26	20	18	25.4	119
03030024	24	42	32	26	21	18.5	24.9	125
03030025	25	42	33.2	26	22	18.5	24.6	128
03030026	26	42	34.4	25	23	18.5	24.3	132
03030027	27	45	36.2	26	24	19.5	27	161
03030028	28	45	37.4	27	25	19.5	26.7	166
03030030	30	45	39.7	28	27	20.5	26.1	186
03030032	32	47	42.2	28	29	22	27.6	200
03030034	34	47	45	28	31	22	27	235
03030036	36	52	48	31	34	24	30.9	305

51



Sockets

- long version
- bi-hex with AS-Drive profile
- 1/2" internal square drive
- size 16 mm-5/8", 20.8 mm-13/16": with rubber insert for spark plugs
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709 / ASME B 107.5M



Product no.	⌀ mm	⌀ "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	⊖ g
03020010	10		83	14.5	22	9	19	67	90
03020013	13		83	18.3	22	12	35	67	122
03020014	14		83	19.9	22.7	13	35	65.2	129
03020015	15		83	21.2	22.7	14	35	64.9	125
03020016	16		83	22.4	23.7	15	35	64.6	145
03020216	16	5/8	83	22.4	23.7	15.4	19	64.5	137
03020017	17		83	24	23.7	16	35	64.3	145
03020018	18		83	24.7	23.7	17	35	64.1	170
03020019	19		83	26.2	25	18	35	66.7	165
03020208	20.8	13/16	83	27.7	26	20	22	66.2	194
03020021	21		83	28.7	26.5	20	35	66.2	231
03020022	22		83	29.7	27.5	21	35	65.5	200
03020024	24		83	32	30	21	35	66.1	251
03020026	26		83	34.4	32.5	23	35	65.3	334
03020027	27		83	36.2	34	27	20	60	280
03020030	30		83	39.7	37.5	30.2	35	65	341
03020032	32		83	42.4	40	29	35	63.9	435

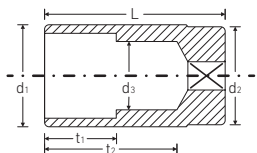
TOOLS THAT  
... inspire

### 51a



**Sockets**

- long version
- bi-hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- ASME B 107.1 / Fed. Spec. GGG-W-641 / SAE AS 954-E



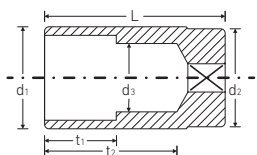
Product no.	Size	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	±g
03420024	3/8	83	14.3	22	8.3	19	67	93
03420028	7/16	83	16.3	22	9.9	19	67	102
03420032	1/2	83	18.3	22	11.5	35	67	122
03420034	9/16	83	20.3	22.7	13.1	35	65.2	131
03420036	5/8	83	22.4	23.7	15	35	64.6	135
03420038	11/16	83	24.2	23.7	16.5	35	64.2	158
03420040	3/4	83	26.2	25	18	35	66.7	188
03420042	13/16	83	27.7	26	19.5	35	66.3	170
03420044	7/8	83	29.7	27.5	21	35	65.9	200
03420046	15/16	83	32	30	22.6	35	65.7	281
03420048	1	83	33.7	32	24.2	35	65	260
03420050	1 1/16	83	36.2	34	25.8	35	64.5	359
03420052	1 1/8	83	38.1	36	27.4	35	64	300
03420054	1 3/16	83	39	37	28	35	63.9	377
03420056	1 1/4	83	40	38	30.5	35	63.1	340
03420058	1 5/16	83	41.8	40	32.1	35	62.7	375
03420060	1 3/8	83	46	44	33.7	35	62.2	506
03420062	1 7/16	83	49.4	47	34	35	62.1	635
03420064	1 1/2	83	51	49	35	35	61.8	675

### 51S



**Sockets**

- long version
- hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- size 20.8 mm - 13/16": with rubber insert for spark plugs
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709



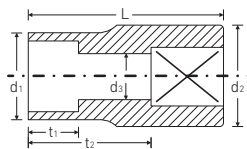
Product no.	Size	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	±g
03240017	17	83	24	23.7	16	35	64.3	157
03240019	19	83	26.2	25	18	35	66.7	190
03240208	20.8 13/16	83	27.7	26	20	22	66.2	196
03240022	22	83	29.7	27.5	21	35	65.9	210

### 50aPSP



**Sockets**

- for external Spline-Drive screws
- 1/2" internal square drive
- HPQ® high performance steel, gunmetal finish
- MS-33787



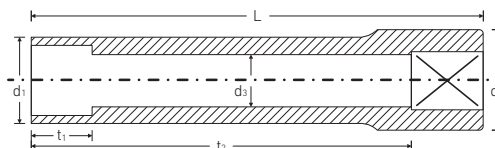
Product no.	Size	Size	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	±g
03012024	12	3/8	38	15.5	22	8.6	9.5	22	55
03012028	14	7/16	38	18	23.7	10.4	11	22	65
03012034	18	9/16	38	22	23.7	13.5	12	20	71

### 50aPLSP



**Socket**

- long version, deep drilled
- for external Spline-Drive screws
- 1/2" internal square drive
- HPQ® high performance steel, gunmetal finish
- MS-33787



Product no.	Size	Size	L mm	d1 mm	d2 mm	d3 mm	t1 mm	t2 mm	±g
03013028	14	7/16	50	18	23.7	10.4	11	34	83

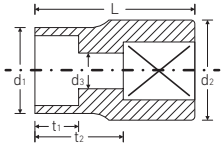
## Socketry

### 50TX



#### Sockets

- for external TORX® screws
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated



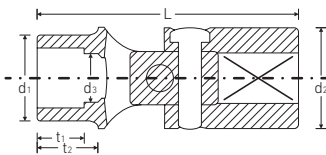
Product no.	Size	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	Δ g
03270010	E10	38	13	22	5.6	9.5	22	55
03270011	E11	38	14	22	6	9.5	22	55
03270012	E12	38	14.9	22	7.2	9.5	22	60
03270014	E14	38	16.7	22	8	11	22	56
03270016	E16	38	19	22	9.3	12.5	22	60
03270018	E18	38	21	26.5	10.4	13.5	22	92
03270020	E20	38	23.5	26.5	12	15	22	98
03270024	E24	41.2	27.8	26	14.1	17.5	23.6	123

### 53



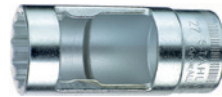
#### Uniflex sockets

- hex with AS-Drive profile
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



Product no.	mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>2</sub> mm	Δ g
03040010	10	70	14.7	25	9	20	136
03040013	13	70	18.4	25	12	20	140
03040016	16	69	22.4	25	15	17	141
03040017	17	70	23.5	25	16	18	141
03040018	18	70	25	25	17	18	145
03040019	19	70	26.3	25	18	17.5	148

### 1062



#### Socket

- bi-hex with AS-Drive profile
- 1/2" internal square drive
- for injection nozzles on diesel engines

Product no.	mm	L mm	Δ g
03830027	27	83	255

### 3678



#### 4-pin socket

- with 4 pins
- 1/2" internal square drive
- for removing, mounting or retightening the pressure nut on the injector

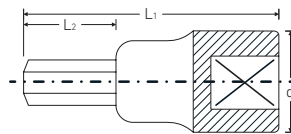
Product no.	L mm	Δ g
03810001	72	151

### 54



#### INHEX screwdriver sockets

- for hex socket head screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



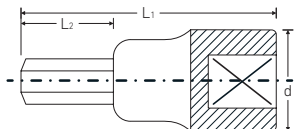
Product no.	mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	Δ g
03050004	4	60	22	22.7	68
03050005	5	60	22	22.7	68
03050006	6	60	22	22.7	71
03050007	7	60	22	22.7	75
03050008	8	60	22	22.7	70
03050010	10	60	22	22.7	97
03050012	12	60	20	23.7	122
03050014	14	60	20	23.7	135
03050017	17	60	20	27.5	186
03050019	19	60	20	31	242

## 54a



### INHEX screwdriver sockets

- for hex socket head screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



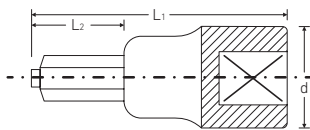
Product no.	●	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	ΔΔ g
03450014	7/32	60	22	22.7	70
03450016	1/4	60	22	22.7	75
03450020	5/16	60	22	22.7	81
03450024	3/8	60	22	22.7	90
03450028	7/16	60	22	22.7	103
03450032	1/2	60	20	23.7	125
03450034	9/16	60	20	23.7	137
03450036	5/8	60	20	27.5	169
03450040	3/4	60	20	31	244

## 54IC



### INHEX screwdriver sockets

- for hex socket head screws, with pin guide
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



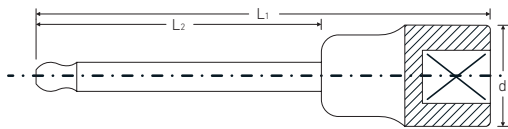
Product no.	● mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	ΔΔ g
03070005	5	60	22	22.7	65
03070006	6	60	22	22.7	71
03070008	8	60	22	22.7	80
03070010	10	60	22	22.7	95
03070012	12	60	20	23.7	120
03070014	14	60	20	23.7	131

## 54KK



### INHEX screwdriver sockets

- ball-ended
- for hex socket head screws
- 1/2" internal square drive
- swivel angle up to 25° to each side
- Chrome Alloy Steel, chrome-plated



Product no.	● mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	ΔΔ g
03280005	5	100	62	22.7	75
03280006	6	100	62	22.7	80
03280007	7	100	62	22.7	85
03280008	8	100	62	22.7	95
03280010	10	100	62	22.7	120

## 1054/2054



### INHEX screwdriver sockets

- extra long design
- for hex socket head screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422

Product no.	● mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	ΔΔ g
03151205	5	120	82	22.7	80
03151206	6	120	82	22.7	84
03151207	7	120	82	22.7	96
03151208	8	120	82	22.7	104
03151410	10	140	102	22.7	150
03151412	12	140	100	23.7	200
03151414	14	140	100	23.7	231

## Socketry

### 1054/3054



#### INHEX screwdriver sockets

- extra long design
- special lengths
- for hex socket head screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422

Product no.	● mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>∆</sub> g
03151805	5	180	20	22	118
03150706	6	70	32	22.7	72
03151006	6	100	62	22.7	80
03152206	6	220	182	22.7	108
03151007	7	100	62	22.7	87
03150808	8	80	42	22.7	88
03151408	8	140	102	22.7	114
03150713	13	70	25	24	130

### 1054KK



#### INHEX screwdriver sockets

- special lengths
- ball-ended
- for hex socket head screws
- 1/2" internal square drive
- swivel angle up to 25° to each side
- Chrome Alloy Steel, chrome-plated

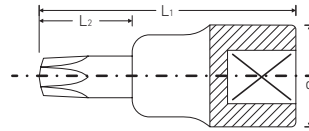
Product no.	● mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>∆</sub> g
03310005	5	238	200	22.7	145
03310008	8	238	200	22.7	154

### 54TX



#### Screwdriver sockets

- for recessed TORX® screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



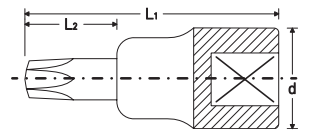
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>∆</sub> g
03100020	T20	55	17	22.7	71
03100025	T25	55	17	22.7	71
03100027	T27	55	17	22.7	72
03100030	T30	55	17	22.7	72
03100040	T40	55	17	22.7	75
03100045	T45	55	17	22.7	74
03100050	T50	55	17	22.7	87
03100055	T55	58	18	23.7	110
03100060	T60	58	18	23.7	113
03100070	T70	60	20	27.5	155

### 54TXB



#### Screwdriver sockets

- for recessed TORX® screws
- with hole in the drive tip (TORX® Tamper Resistant)
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



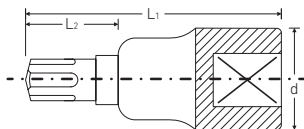
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	∅ <sub>∆</sub> g
03110020	T20	55	17	22.7	70
03110025	T25	55	17	22.7	65
03110027	T27	55	17	22.7	71
03110030	T30	55	17	22.7	71
03110040	T40	55	17	22.7	71
03110045	T45	55	17	22.7	72
03110050	T50	55	17	22.7	86
03110055	T55	58	18	23.7	111
03110060	T60	58	18	23.7	113

## 54CV



### Screwdriver sockets

- for spline socket screws RIBE-CV®
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



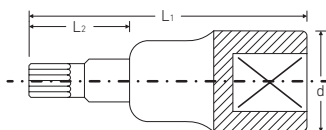
Product no.	Size	L1 mm	L2 mm	∅ (d) mm	∅±g
03090005	M5	60	22	22.7	69
03090006	M6	60	22	22.7	71
03090007	M7	60	22	22.7	70
03090008	M8	60	22	22.7	78
03090010	M10	60	22	22.7	95
03090012	M12	60	20	23.7	119
03090013	M13	60	20	23.7	125
03090014	M14	60	20	23.7	126
03090016	M16	63	23	27.5	163

## 54X



### Screwdriver sockets

- for tri-square socket head screws XZN®
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 2324



Product no.	Size	L1 mm	L2 mm	∅ (d) mm	∅±g
03060005	M5	60	22	22.7	67
03060006	M6	60	22	22.7	74
03060008	M8	60	22	22.7	79
03060010	M10	60	22	22.7	94
03060012	M12	60	20	23.7	120
03060014	M14	60	20	23.7	128
03060016	M16	60	20	27.5	174

## 1054X/2054X



### Screwdriver sockets

- special lengths
- for tri-square socket head screws XZN®
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 2324

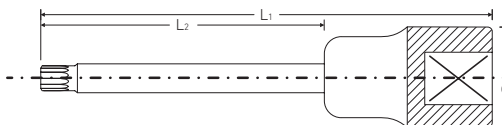
Product no.	Size	L1 mm	L2 mm	∅ (d) mm	∅±g
03160808	M8	80	42	22.7	86
03161208	M8	120	82	22.7	104
03161110	M10	110	72	22.7	130
03161112	M12	110	70	23.7	168

## 3054X



### Screwdriver sockets

- extra long design
- for tri-square socket head screws XZN®
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 2324



Product no.	Size	L1 mm	L2 mm	∅ (d) mm	∅±g
03261408	M8	140	102	22.7	109
03261410	M10	140	102	22.7	142
03261412	M12	140	102	22.7	160
03261414	M14	140	100	23.7	225

3

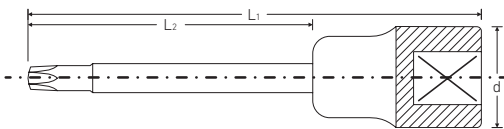
## Socketry

### 1054TX/2054TX



#### Screwdriver sockets

- extra long design
- for recessed TORX® screws
- 1/2" internal square drive
- Chrome Alloy Steel, chrome-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ (d) mm	△△ g
03131070	T70	107	67	23.7	201
03131230	T30	120	82	22.7	99
03131240	T40	120	82	22.7	100
03131245	T45	120	82	22.7	100
03131440	T40	140	102	22.7	110
03131445	T45	140	102	22.7	111
03131450	T50	140	102	22.7	140
03131455	T55	140	102	22.7	159
03131460	T60	140	100	23.7	221

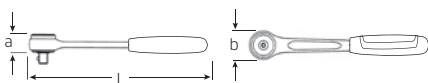
### 3004



#### Screwdriver socket

- for tri-square socket head screws XZN®
- 1/2" internal square drive

Product no.	Size	L mm	△△ g
03230012	M12	55	71



#### 1/2" drive tools

Explanation of table headings

L = Overall length

a = Head height (excluding square drive)

b = Head width

### 512-2K



#### Ratchet

- 1/2" external square drive
- reversible
- 36 teeth
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	△°	△△ g
13111010	1/2	265.5	22.5	41	10°	600

### 512QR N80



#### QuickRelease fine-tooth ratchet

- 1/2" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	△°	△△ g
13111120	1/2	265.5	23	41	4.5°	572

### 512SG-QR N



#### QuickRelease fine-tooth ratchet

- 1/2" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- with steel handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

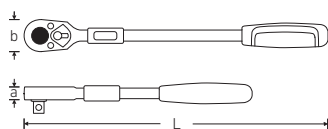
Product no.	"	L mm	a mm	b mm	△°	△△ g
13111030	1/2	265.5	22.5	41	4.5°	654

## 516



### Telescopic ratchet

- 1/2" external square drive
- reversible
- 36 teeth
- increased torque when the handle is extended
- can be locked in at any one of five lengths: 410, 465, 520, 575, 630 mm
- convenient, easy and fast length adjustment via a rocker switch
- compact size when unextended
- ideal for mobile tool storage
- durable thanks to maintenance-free slide bearing and a secure limit stop
- with 2-component handle
- a convenient alternative to the wheel brace
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315



Product no.	"	L mm	a mm	b mm	°	g
13160000	1/2	410-630	22.5	40	10°	1100

## 515-2K



### Fine-tooth ratchet

- 1/2" external square drive
- reversible
- 60 teeth
- for working in tight spaces, with a working angle of just 6°
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
13231011	1/2	265	26.2	40	6°	515

## 517QR



### QuickRelease fine-tooth flexible ratchet

- 1/2" external square drive
- reversible
- 80 teeth
- for working in tight spaces, with a working angle of just 4.5°
- with QuickRelease safety lock
- handle can be swivelled up and down by approximately 90°, locking in the following positions: straight, 30° up, 60° up, 30° down
- lock releases at the push of a button
- with 2-component handle
- FOD-preventive due to screwless design
- DBGM (German Federal Utility Model)
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	a mm	b mm	°	g
13261010	1/2	416	22	41	4.5°	920

## 522



### Ratchet adaptor

- 1/2" external square drive
- reversible
- 20 teeth
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	b mm	°	g
13140000	1/2	67.5	40	18°	316

## 532-2K



### Ratchets

- 1/2" external square drive
- reversible
- 36 teeth
- with longer lever length for better power transmission
- simple loosening of jammed screws
- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3120 / ISO 1174

Product no.	"	L mm	a mm	b mm	°	g
13121010	1/2	380	22.5	41	10°	821
13121020	1/2	497	37.6	41	10°	980
13121030	1/2	612	37.6	41	10°	1140

## Socketry

### 5040

#### Ratchet spare parts set

— for version with chrome-plated PHILLIPS® screw

#### Contains 3-pieces:

1 drive piece; 1 screw; 1 spring washer

Product no.	for model	"	Content pcs.	△△ g
96190800	504	1/2	3	75

### 5040N

#### Ratchet spare parts set

— for version with black, manganese-phosphate TORX® screw

#### Contains 3-pieces:

1 drive piece; 1 screw; 1 spring washer

Product no.	for model	"	Content pcs.	△△ g
96190801	504	1/2	3	80

### 5120G

#### Ratchet spare parts set

#### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19040030	512G, 532G	1/2	8	120

### 5120QR



#### Ratchet spare parts set

#### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19040020	512QR, 512SG-QR, 725QR/20	1/2	8	118

### 5120QR N



#### Ratchet spare parts set

— for ratchet No. 512QR N version with screws

#### Contains 8-pieces:

1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 retaining screws

Product no.	for model	"	Content pcs.	△△ g
19040040	512QR N	1/2	8	140

### 5120QR N80



#### Ratchet spare parts set

#### Contains 9-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 pin; 1 ball; 1 compression spring; 2 circlips; 1 cover plate

Product no.	for model	"	Content pcs.	△△ g
19042020	512QR N80, 512SG-QR N, 517QR	1/2	9	120

### 504



#### Flexible handles

- with 2-component handle
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	Size	"	L mm	△△ g
13061015	15	1/2	397	735
13061018	18	1/2	469	831
13061024	24	1/2	610	1051

### 506



#### T-handle

- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	△△ g
13070000	1/2	300	436

### 506QR



#### QuickRelease T-handle

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	△△ g
13071000	1/2	300	470

## 506/1QR



### QuickRelease T-handle

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	ΔΔ g
13071500	1/2	300	460

## 501



### Speeder brace

- working radius: 105 mm
- Chrome Alloy Steel, chrome-plated
- DIN 3122 / ISO 3315

Product no.	"	L mm	ΔΔ g
13100010	1/2	456	620

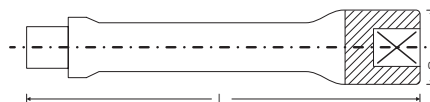
## 501QR



### QuickRelease speeder brace

- with QuickRelease safety lock
- with ball locking function
- with steel handle
- separate palm piece can be attached for greater axial force transmission
- working radius: 105 mm
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3122 / ISO 3315

Product no.	"	L mm	ΔΔ g
13100005	1/2	456	872



### 1/2" extensions

Explanation of table headings

L = Overall length

d = Diameter of head

## 503QR



### QuickRelease extensions

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	ΔΔ g
13011502	2	1/2	51	23	90
13011503	3	1/2	76	23	123
13011505	5	1/2	130	23	187
13011510	10	1/2	255	23	341

## 509



### Extensions

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316 6

Product no.	Size	"	L mm	∅ (d) mm	ΔΔ g
13010001	2	1/2	52	23	88
13010004	3	1/2	75	23.2	120
13010002	5	1/2	130	23.2	191
13010003	10	1/2	255	23.2	341

## 509QR



### QuickRelease extensions

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	Size	"	L mm	∅ (d) mm	ΔΔ g
13011001	2	1/2	52	23	90
13011004	3	1/2	75	23	123
13011002	5	1/2	130	23	187
13011003	10	1/2	255	23	341

## Socketry

### 509W



#### Wobble-Drive extensions

- swivel angle up to 15° to each side
- max. torque: 200 N·m
- Chrome Alloy Steel, chrome-plated

Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13010005	2	1/2	52	23	80
13010006	3	1/2	75	23.2	120
13010007	5	1/2	130	23.2	191
13010008	10	1/2	255	23.2	341

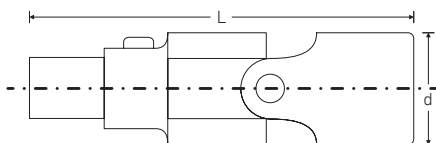
### 3505



#### Special extension

- cranked
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13210001	1/2	120	23.2	186



#### 1/2" universal joints

Explanation of table headings

L = Overall length

d = Diameter of head

### 510



#### Universal joint

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13020000	1/2	71	25	146

### 510QR



#### QuickRelease universal joint

- with QuickRelease safety lock
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13021000	1/2	80	25	155

### 510/1QR



#### QuickRelease universal joint

- with QuickRelease safety lock
- with **recessed** button
- with ball locking function
- Chrome Alloy Steel, chrome-plated
- patented
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13021500	1/2	80	25	158

### 513

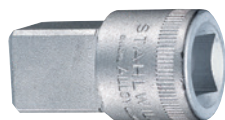


#### Square drive adaptor

- 1/2 to 3/8"
- max. torque: 202 N·m
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
13030002	3/8	35	22.7	60

## 514



### Square drive adaptor

- 1/2 to 3/4"
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	△△ g
13030005	3/4	44	25	110

## 514M

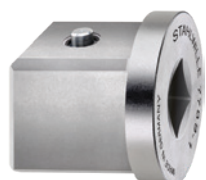


### Square drive adaptor

- 1/2 to 3/4"
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	△△ g
13030010	3/4	22	40

## 7789-1



### Square drive adaptor

- 1/2 to 1"
- HPQ® high performance steel, chrome-plated

Product no.	"	L mm	∅ (d) mm	△△ g
58522089	1	35	36.5	175

## 50/10-12918



### Socket set on clip rail

- bi-hex with AS-Drive profile
- HPQ® high performance steel, chrome-plated
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel
- DIN 3124 / ISO 2725-1 / DIN EN 3709 / ASME B 107.5M

#### Contains 10-pieces:

10 sockets with bi-hex 1/2" **No. 50:** 10; 13; 14; 17; 19; 22; 24; 27; 30; 32 mm

+ socket clip rail **No. 12918/10**

Product no.	Content pcs.	△△ g
96053010	10	1120

## 12918/10



### Socket clip rail

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel

Product no.	"	L mm	Retaining clips	△△ g
80500005	1/2	307	10	80

## 12916/12917/12918



### Socket clip rail set

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- attachments can be combined with each other
- can be mounted on a wall or perforated wall/panel

#### Contains 3-pieces:

1 socket clip rail 1/4" (6.3 mm)

1 socket clip rail 3/8" (10 mm)

1 socket clip rail 1/2" (12.5 mm)

Product no.	L mm	Retaining clips	Content pcs.	△△ g
96003010	315	30	3	190

Socketry

## 50/12/3



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 15-pieces:**

12 sockets with bi-hex 1/2" **No. 50:** 10; 13; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

2 extensions 1/2" **No. 509:** L. 130; 255 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96031435	1/2	415	227	67	15	3300

## 50/16/6



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 22-pieces:**

16 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96031447	1/2	458	254	65	22	4502

## 50/16/6QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 22-pieces:**

16 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm

3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm

1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm

1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96031446	1/2	458	254	65	22	4502

## 50a/17/6



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 23-pieces:**

17 sockets with bi-hex 1/2" **No. 50a:** 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

3 extensions 1/2" **No. 509:** L. 52; 130; 255 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96035125	1/2	458	254	65	23	4640

## 50/22/6



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 28-pieces:

- 22 sockets with bi-hex 1/2" **No. 50:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96031407	1/2	458	254	65	28	5076

## 50ma/39/6N



### Socket set

— in a sturdy steel case

#### Contains 45-pieces:

- 22 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
- 17 sockets with bi-hex 1/2" **No. 50a:** 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96030140	1/2	540	292	53	45	9020

## 50ma/39/6QR



### QuickRelease socket set

— in a sturdy steel case

#### Contains 45-pieces:

- 22 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
- 17 sockets with bi-hex 1/2" **No. 50a:** 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1; 1 1/16; 1 1/8; 1 3/16; 1 1/4"
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm
- 3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm
- 1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm
- 1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96030107	1/2	540	290	55	45	8890

## 50/43/7N



### Socket set

— in a sturdy steel case

#### Contains 50-pieces:

- 23 sockets with bi-hex 1/2" **No. 50:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
- 7 sockets long, with bi-hex 1/2" **No. 51:** 13; 17; 18; 19; 22; 24; 27 mm
- 2 sockets long, with bi-hex and rubber insert 1/2" **No. 51:** 16 mm-5/8"; 20.8 mm-13/16"
- 6 uniflex sockets with hex 1/2" **No. 53:** 10; 13; 16; 17; 18; 19 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 8; 10 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 flexible handle 1/2" **No. 504:** L. 397 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96031136	1/2	540	290	53	50	11000

Socketry

## 50/43/7QR



**QuickRelease socket set**

— in a sturdy steel case

**Contains 50-pieces:**

- 23 sockets with bi-hex 1/2" **No. 50:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34 mm
- 7 sockets long, with bi-hex 1/2" **No. 51:** 13; 17; 18; 19; 22; 24; 27 mm
- 2 sockets long, with bi-hex and rubber insert 1/2" **No. 51:** 16 mm-<sup>5</sup>/<sub>8</sub>"; 20.8 mm-<sup>3</sup>/<sub>16</sub>"
- 6 uniflex sockets with hex 1/2" **No. 53:** 10; 13; 16; 17; 18; 19 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 8; 10 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm
- 3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm
- 1 flexible handle 1/2" **No. 504:** L. 397 mm
- 1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm
- 1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⊕ g
96031236	1/2	540	292	53	50	11115

## 50/54/25/6



**Socket set**

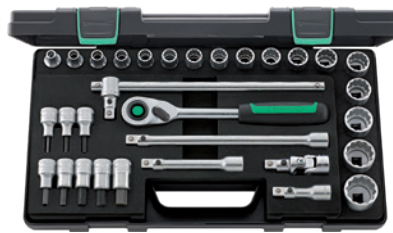
— in a sturdy, stackable ABS plastic box

**Contains 31-pieces:**

- 17 sockets with bi-hex 1/2" **No. 50:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 8 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12; 14 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⊕ g
96031439	1/2	458	254	65	31	5270

## 50/54/25/6QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 31-pieces:**

- 17 sockets with bi-hex 1/2" **No. 50:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 8 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12; 14 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm
- 3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm
- 1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm
- 1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⊕ g
96031440	1/2	458	254	65	31	5270

## 52/12/3



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 15-pieces:**

- 12 sockets with hex 1/2" **No. 52:** 10; 13; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 2 extensions 1/2" **No. 509:** L. 130; 255 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	⊕ g
96031436	1/2	415	227	67	15	3412

## 52/16/6



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 22-pieces:

- 16 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031448	1/2	458	254	65	22	4586

## 52/22/6



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 28-pieces:

- 22 sockets with hex 1/2" **No. 52:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031409	1/2	458	254	65	28	5138

## 52/16/6QR



### QuickRelease socket set

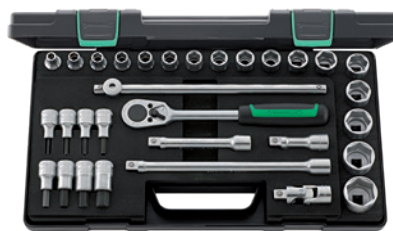
— in a sturdy, stackable ABS plastic box

#### Contains 22-pieces:

- 16 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm
- 3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm
- 1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm
- 1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031480	1/2	458	254	65	22	4606

## 52/54/25/6



### Socket set

— in a sturdy, stackable ABS plastic box

#### Contains 31-pieces:

- 17 sockets with hex 1/2" **No. 52:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 8 screwdriver sockets IN HEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12; 14 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm
- 1 T-handle 1/2" **No. 506:** L. 300 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031239	1/2	458	254	65	31	5306

3

Socketry

## 52/54/25/6QR



**QuickRelease socket set**

— in a sturdy, stackable ABS plastic box

**Contains 31-pieces:**

17 sockets with hex 1/2" **No. 52:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm

8 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12; 14 mm

1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm

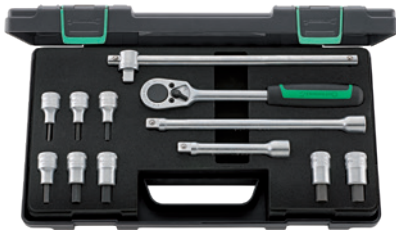
3 QuickRelease extensions 1/2" **No. 509QR:** L. 75; 130; 255 mm

1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm

1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96031240	1/2	458	254	65	31	5306

## 54/8/4



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 12-pieces:**

8 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 8; 10; 12; 14; 17 mm

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

2 extensions 1/2" **No. 509:** L. 130; 255 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96031501	1/2	417	230	60	12	3370

## 876



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 47-pieces:**

19 sockets with hex 1/2" **No. 52:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm

13 combination spanners **No. 13:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

2 sockets long, with bi-hex and rubber insert 1/2" **No. 51:** 16 mm-5/8"; 20.8 mm-13/16"

7 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12 mm

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

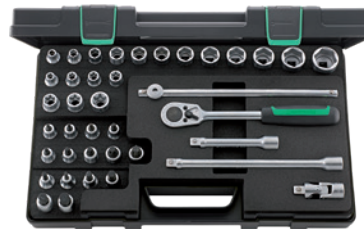
3 extensions 1/2" **No. 509:** L. 75; 130; 255 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96032301	1/2	483	289	83	47	7600

## 876TX



**Socket set**

— in a sturdy, stackable ABS plastic box

**Contains 39-pieces:**

12 sockets with hex 1/2" **No. 52:** 8; 10; 13; 16; 17; 18; 19; 21; 22; 24; 27; 30 mm

6 screwdriver sockets INHEX 1/2" **No. 54:** 5; 6; 8; 10; 12; 14 mm

7 sockets TORX® 1/2" **No. 50TX:** E10; E12; E14; E16; E18; E20; E24

9 screwdriver sockets TORX® 1/2" **No. 54TX:** T20; T25; T27; T30; T40; T45; T50; T55; T60

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

2 extensions 1/2" **No. 509:** L. 130; 255 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

1 universal joint 1/2" **No. 510:** L. 71 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
98811909	1/2	483	289	83	39	6255

## 50TX/8



### TORX® socket set

- for external TORX® screws
- in a sturdy, stackable ABS plastic box

#### Contains 8-pieces:

8 sockets TORX® 1/2" No. 50TX: E10; E11; E12; E14; E16; E18; E20; E24

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96033704	1/2	230	130	60	8	980

## 50TX/7



### TORX® socket set

- for external TORX® screws
- precisely fitting foam inlay
- in cardboard packaging

#### Contains 7-pieces:

7 sockets TORX® 1/2" No. 50TX: E10; E12; E14; E16; E18; E20; E24

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96032703	1/2	307	84	40	7	623

## 51/8



### Socket set

- in soft case with hard foam inlay

#### Contains 8-pieces:

8 sockets long, with bi-hex 1/2" No. 51: 13; 17; 19; 22; 24; 27; 30; 32 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96030212	1/2	345	190	55	8	2378

## 54TX/9



### TORX® screwdriver socket set

- for recessed TORX® screws
- precisely fitting foam inlay
- in cardboard packaging

#### Contains 9-pieces:

9 screwdriver sockets TORX® 1/2" No. 54TX: T20; T25; T27; T30; T40; T45; T50; T55; T60

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031004	1/2	308	85	40	9	820

## 54TX/10



### TORX® screwdriver socket set

- for recessed TORX® screws
- in a sturdy, stackable ABS plastic box

#### Contains 10-pieces:

10 screwdriver sockets TORX® 1/2" No. 54TX: T20; T25; T27; T30; T40 (2x); T45; T50; T55; T60

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96032005	1/2	230	130	60	10	1170

## 54/10



### IN HEX screwdriver socket set

- for hex socket head screws
- in a sturdy, stackable ABS plastic box

#### Contains 10-pieces:

10 screwdriver sockets IN HEX 1/2" No. 54: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031508	1/2	230	130	60	10	1525

## Socketry

### 54/12



#### INHEX screwdriver socket set

- for hex socket head screws
- in a sturdy, stackable ABS plastic box

#### Contains 12-pieces:

10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

1 screwdriver socket INHEX 1/2" **No. 3054**: 8 mm

1 screwdriver socket INHEX 1/2" **No. 1054**: 10 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96031503	1/2"	327	135	60	12	1894

### 3054X/54X/8



#### Screwdriver socket set

- for tri-square socket head screws XZN®
- in a sturdy, stackable ABS plastic box

#### Contains 8-pieces:

3 screwdriver sockets XZN® 1/2" **No. 3054X**: M8; M10; M12

5 screwdriver sockets XZN® 1/2" **No. 54X**: M6; M8; M10; M12; M14

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96033606	1/2"	230	130	60	8	1288

### TCS 1054/2054



#### INHEX screwdriver socket set

- for hex socket head screws
- safely integrated in the modular Tool Control System (TCS)

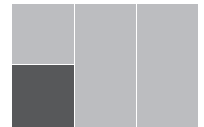
#### Contains 6-pieces:

3 screwdriver sockets INHEX 1/2" **No. 1054**: 8; 10; 12 mm

3 screwdriver sockets INHEX 1/2" **No. 2054**: 5; 6; 14 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838117	1/2"	175	175	30	1/6	6	900

### TCS 54KK/5



#### INHEX screwdriver socket set

- ball-ended
- for hex socket head screws
- swivel angle up to 25° to each side
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 screwdriver sockets INHEX 1/2" **No. 54KK**: 5; 6; 7; 8; 10 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838116	1/2"	175	175	30	1/6	5	505

## TCS 54/54KK/14



### INHEX screwdriver socket set

- for hex socket head screws
- safely integrated in the modular Tool Control System (TCS)

#### Contains 14-pieces:

10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

4 screwdriver sockets INHEX 1/2" **No. 54KK**: 5; 6; 8; 10 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	± g
96830877	1/2	350	175	30	1/3	14	1561

## TCS 54/54X/16



### Screwdriver socket set

- safely integrated in the modular Tool Control System (TCS)

#### Contains 16-pieces:

9 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17 mm

7 screwdriver sockets XZN® 1/2" **No. 54X**: M5; M6; M8; M10; M12; M14; M16

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	± g
96838762	1/2	350	175	35	1/3	16	1745

## TCS 54/2309K/12506



### INHEX wheel nut socket, nut spinner set

- safely integrated in the modular Tool Control System (TCS)

#### Contains 13-pieces:

9 screwdriver sockets INHEX 1/2" **No. 54**: 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

2 IMPACT wheel nut sockets with hex 1/2" **No. 2309IMP K**: 17; 19 mm

2 nut spinners **No. 12506**: 6; 7 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	± g
96830163	1/2	350	175	40	1/3	13	1830

## TCS 50TX/54TX/17



### TORX® socket set

- safely integrated in the modular Tool Control System (TCS)

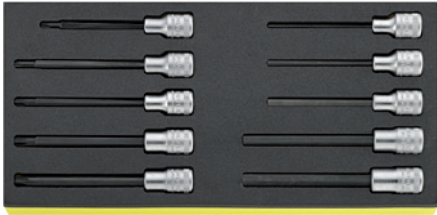
#### Contains 17-pieces:

8 sockets TORX® 1/2" **No. 50TX**: E10; E11; E12; E14; E16; E18; E20; E24

9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	± g
96838763	1/2	350	175	40	1/3	17	1415

## TCS 1054/2054/10



### Screwdriver socket set

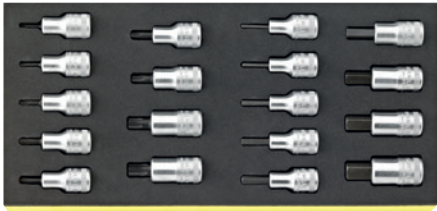
— safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

- 3 screwdriver sockets IN HEX  $\frac{1}{2}$ " **No. 1054**: 8; 10; 12 mm
- 2 screwdriver sockets IN HEX  $\frac{1}{2}$ " **No. 2054**: 5; 6 mm
- 3 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 1054TX**: T30; T50; T55
- 2 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 2054TX**: T40; T45

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838760	$\frac{1}{2}$	350	175	40	$\frac{1}{3}$	10	1272

## TCS 54/54TX/18



### Screwdriver socket set

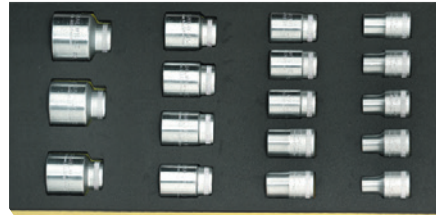
— safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

- 9 screwdriver sockets IN HEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17 mm
- 9 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838782	$\frac{1}{2}$	350	175	40	$\frac{1}{3}$	18	1665

## TCS 52/17



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 17-pieces:

- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838177	$\frac{1}{2}$	350	175	40	$\frac{1}{3}$	17	1605

## TCS 51/11



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 11-pieces:

- 11 sockets long, with bi-hex  $\frac{1}{2}$ " **No. 51**: 10; 13; 15; 17; 18; 19; 22; 24; 27; 30; 32 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838776	$\frac{1}{2}$	350	175	50	$\frac{1}{3}$	11	2345

## TCS 50a/17



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 17-pieces:

- 17 sockets with bi-hex  $\frac{1}{2}$ " **No. 50a**:  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ ; 1  $\frac{3}{16}$ ; 1  $\frac{1}{4}$ "

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838780	$\frac{1}{2}$	350	175	40	$\frac{1}{3}$	17	1685

## TCS 50/51/52/32



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 32-pieces:

13 sockets with bi-hex 1/2" **No. 50:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm

2 sockets long, with bi-hex 1/2" **No. 51:** 22; 27 mm

17 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838191	1/2	350	175	50	1/3	32	2950

## TCS 52/14/4QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

14 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24; 27; 30 mm

2 QuickRelease extensions 1/2" **No. 509QR:** L. 130; 255 mm

1 QuickRelease universal joint 1/2" **No. 510QR:** L. 80 mm

1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830352	1/2	350	175	50	1/3	18	2510

## TCS 50/52/30/6QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 36-pieces:

11 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm

13 sockets with hex 1/2" **No. 52:** 12; 13; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34 mm

6 screwdriver sockets INHEX 1/2" **No. 54:** 5; 6; 7; 8; 10; 12 mm

1 QuickRelease T-handle 1/2" **No. 506QR:** L. 300 mm

2 QuickRelease extensions 1/2" **No. 509QR:** L. 130; 255 mm

1 QuickRelease universal joint 1/2" **No. 510QR:** L. 71 mm

1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm

1 square drive adaptor **No. 513:** 1/2 to 3/8"

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830360	1/2	350	350	70	2/3	36	4604

## TCS 50/52/30/6 MF



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 36-pieces:

11 sockets with bi-hex 1/2" **No. 50:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 30 mm

13 sockets with hex 1/2" **No. 52:** 12; 13; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34 mm

6 screwdriver sockets INHEX 1/2" **No. 54:** 5; 6; 7; 8; 10; 12 mm

1 T-handle 1/2" **No. 506:** L. 300 mm

2 extensions 1/2" **No. 509:** L. 130; 255 mm

1 universal joint 1/2" **No. 510:** L. 71 mm

1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm

1 square drive adaptor **No. 513:** 1/2 to 3/8"

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830354	1/2	350	350	70	2/3	36	4604

## TCS 52/14/4



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

14 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24; 27; 30 mm

2 extensions 1/2" **No. 509**: L. 130; 255 mm

1 universal joint 1/2" **No. 510**: L. 71 mm

1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838781	1/2	350	175	50	1/3	18	2510

## TCS 512/6



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

1 T-handle 1/2" **No. 506**: L. 300 mm

3 extensions 1/2" **No. 509**: L. 52; 130; 255 mm

1 universal joint 1/2" **No. 510**: L. 71 mm

1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96838175	1/2	350	175	35	1/3	6	1845

## TCS 512/6QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

1 QuickRelease T-handle 1/2" **No. 506QR**: L. 300 mm

3 QuickRelease extensions 1/2" **No. 509QR**: L. 52; 130; 255 mm

1 QuickRelease universal joint 1/2" **No. 510QR**: L. 80 mm

1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830362	1/2	350	175	35	1/3	6	1845

## TCS 512/9



### Socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 9-pieces:

1 T-handle 1/2" **No. 506**: L. 300 mm

4 extensions 1/2" **No. 509**: L. 52; 130; 255 (2x) mm

1 universal joint 1/2" **No. 510**: L. 71 mm

1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm

1 square drive adaptor **No. 513**: 1/2 to 3/8"

1 square drive adaptor **No. 514**: 1/2 to 3/4"

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	△ g
96830603	1/2	350	175	40	1/3	9	2364

## TCS 512/9QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 9-pieces:

- 1 QuickRelease T-handle  $\frac{1}{2}$ " **No. 506QR**: L. 300 mm
- 4 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 52; 130; 255 (2x) mm
- 1 QuickRelease universal joint  $\frac{1}{2}$ " **No. 510QR**: L. 80 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "
- 1 square drive adaptor **No. 514**:  $\frac{1}{2}$  to  $\frac{3}{4}$ "

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830363	$\frac{1}{2}$	350	175	40	$\frac{1}{3}$	9	2364

## TCS 40/52/6QR



### QuickRelease socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 38-pieces:

- 11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm
- 1 adaptor, hand-operated  $\frac{1}{4}$ " **No. 3116**: L. 25 mm
- 2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**:  $\frac{1}{4}$  to  $\frac{1}{2}$ "
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830264	$\frac{1}{4}, \frac{1}{2}$	350	350	55	$\frac{2}{3}$	38	3890

## TCS 54/54TX/44/44K/44KTX/40



### Screwdriver socket set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 40-pieces:

- 9 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60
- 10 screwdriver sockets IN HEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
- 2 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 1054TX**: T30; T50
- 2 screwdriver sockets IN HEX  $\frac{1}{2}$ " **No. 1054/2054**: 6; 8 mm
- 4 screwdriver sockets IN HEX  $\frac{1}{4}$ " **No. 44**: 3; 4; 5; 6 mm
- 8 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40
- 5 screwdriver sockets IN HEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6; 8 mm

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830274	$\frac{1}{4}, \frac{1}{2}$	350	350	50	$\frac{2}{3}$	40	3340



### QuickRelease

The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change.

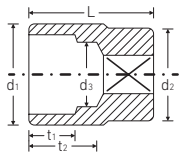
# 3/4" SOCKETRY.

## 55



**Sockets**

- hex with AS-Drive profile
- 3/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / ASME B 107.5 M



Product no.	□ mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	⊖ g
05010019	19	50	28.5	34.7	17	16	26	183
05010021	21	50	31	34.7	18	16	26	190
05010022	22	51	32	34.7	19	17	25.2	199
05010024	24	51	34	34.7	21	18.5	24.6	200
05010027	27	54	38.5	38	24	20	26.8	263
05010030	30	58	42	38	27	21	33.6	313
05010032	32	58	44.5	38	29	22	33	326
05010033	33	60	46	40	30	22	34.7	372
05010034	34	60	47	40	31	24	34.4	363
05010036	36	60	49.5	40	33	24	33.9	386
05010038	38	64	52	40	35	30	37.3	429
05010041 *	41	67	55.5	40	33	30	37.5	510
05010046 *	46	73	61	40	33	34	43.5	600
05010050 *	50	80	66	40	33	34	48.5	769
05010055 *	55	80	72	45	33	36	49.5	970
05010060 *	60	80	78	45	33	40	50.5	1025

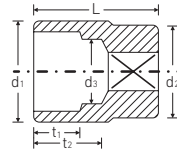
\* AS-Drive and HPQ® high performance steel up to 38 mm, chrome-plated

## 55a



**Sockets**

- bi-hex with AS-Drive profile
- 3/4" internal square drive
- HPQ® high performance steel, chrome-plated
- SAE AS 954-E (test values) / ASME B 107.1



Product no.	□ "	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	⊖ g
05410040	3/4	50	28.5	34.7	18.6	16	26	176
05410042	13/16	51	31	34.7	19.4	16.5	25.1	190
05410044	7/8	51	33	34.7	21	18	24.5	240
05410046	15/16	51	34	34.7	22.5	18.5	24.2	248
05410048	1	52	37	38	24	20	24.8	251
05410050	1 1/16	54	38.5	38	26	20	26.2	265
05410052	1 1/8	57	41	38	27.5	20	32.5	297
05410056	1 1/4	58	44.5	38	30.5	22	32.6	339
05410058	1 5/16	59	46.5	40	32.1	24	33.1	348
05410060	1 3/8	59	48.5	40	33.7	24	32.7	375
05410062	1 7/16	60	50	40	35.3	27	33.2	395
05410064	1 1/2	64	52	40.5	36.8	30	36.8	415
05410066 *	1 5/8	67	56	40	33	30	37.5	469
05410067 *	1 11/16	70	58	40	33	32	40.5	524
05410068 *	1 3/4	70	59.5	40	33	32	40.5	524
05410069 *	1 13/16	73	61.5	40	33	34	43.5	605
05410070 *	1 7/8	76	63.5	40	33	34	45	660
05410072 *	2	80	67	40	33	34	48.5	757

\* AS-Drive and HPQ® high performance steel up to 1 1/2", chrome-plated

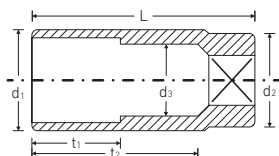


## 56



### Sockets

- long version
- hex with AS-Drive profile
- 3/4" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / ASME B 107.5 M



Product no.	Ø mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	ΔΔ g
05020022	22	90	32	34.7	19	40	64.2	374
05020024	24	90	34	34.7	21	40	63.6	341
05020027	27	90	38.5	38	24	40	62.8	443
05020030	30	90	42	38	27	40	65.6	477
05020032	32	90	44.5	38	29	40	65	526
05020034	34	90	47	40	31	40	64.4	562
05020036	36	90	49.5	40	33	40	63.9	570
05020041 *	41	90	55.5	40	38	40	58.5	714

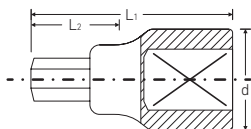
\* AS-Drive and HPQ® high performance steel up to 36 mm, chrome-plated

## 59



### INHEX screwdriver sockets

- for hex socket head screws
- 3/4" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



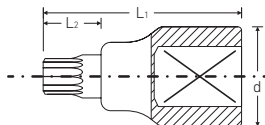
Product no.	Ø mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø (d) mm	ΔΔ g
05050014	14	80	25	34.7	272
05050017	17	80	25	34.7	311
05050019	19	80	25	34.7	346
05050022	22	80	25	40	510

## 59X



### Screwdriver sockets

- for tri-square socket head screws XZN®
- 3/4" internal square drive
- Chrome Alloy Steel, chrome-plated



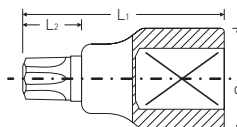
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø (d) mm	ΔΔ g
05060014	M14	90	35	34.7	281
05060016	M16	80	25	34.7	302
05060018	M18	100	45	34.7	375

## 59TX



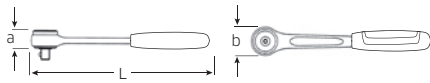
### Screwdriver sockets

- for recessed TORX® screws
- 3/4" internal square drive
- Chrome Alloy Steel, chrome-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø (d) mm	ΔΔ g
05100060	T60	80	25	34.7	260
05100070	T70	80	25	34.7	285
05100080	T80	80	25	34.7	300
05100090	T90	80	25	34.7	331
05100100	T100	80	25	40	474

## Socketry



### 3/4" drive tools

Explanation of table headings

L = Overall length

a = Head height (excluding square drive)

b = Head width

## 552



### Ratchet head

- 3/4" external square drive
- reversible
- 36 teeth
- with QuickRelease safety lock
- to be used with handle No. 558
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	a mm	b mm	°	⊕ g
15110000	3/4	165	55	70	10°	1670

## 563



### Ratchet adaptor

- 3/4" external square drive
- reversible
- 44 teeth
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	b mm	°	⊕ g
15140000	3/4	105.5	63	8.2°	1257

## 5520

### Ratchet spare parts set

Contains 7-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 ball; 1 compression spring; 2 retaining screws

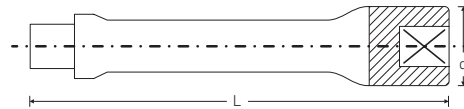
Product no.	for model	"	Content pcs.	⊕ g
19050000	552	3/4	7	536

## 559



### Extensions

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316



Product no.	Size	"	L mm	∅ (d) mm	⊕ g
15010003	4	3/4	95	35	369
15010001	8	3/4	200	35	705
15010002	16	3/4	400	35	1255

## 554



### Flexible head

- with QuickRelease safety lock
- to be used with handle No. 558
- Chrome Alloy Steel, chrome-plated

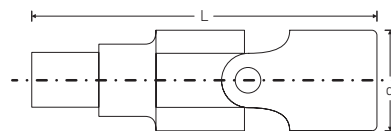
Product no.	"	L mm	∅ (d) mm	⊕ g
15060000	3/4	132	40	795

## 561



### Universal joint

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316



Product no.	"	L mm	∅ (d) mm	⊕ g
15020000	3/4	109	40	566

## 556



### Sliding head

- can be used as a T-handle in combination with handle No. 558
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	± g
15070000	3/4	61.5	318

## 558



### Handle

- can be used as a T-handle in combination with sliding head No. 556
- Chrome Alloy Steel, chrome-plated

Product no.	for model	L mm	∅ (d) mm	± g
15170000	552; 554; 556	510	20	1259

## 568



### Square drive adaptor

- 3/4 to 1/2"
- max. torque: 512 N·m
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	± g
15030003	1/2	55	34.7	203

## 569



### Square drive adaptor

- 3/4 to 1"
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	± g
15030006	1	61	34.7	315

## 55/9/6N



### Socket set

- in a sturdy steel case

#### Contains 15-pieces:

- 9 sockets with hex 3/4" **No. 55:** 32; 34; 36; 38; 41; 46; 50; 55; 60 mm
- 1 ratchet head 3/4" **No. 552:** L. 165 mm
- 2 extensions 3/4" **No. 559:** L. 200; 400 mm
- 1 flexible head 3/4" **No. 554:** L. 132 mm
- 1 sliding head 3/4" **No. 556:** L. 61.5 mm
- 1 handle 3/4" **No. 558:** L. 510 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96050103	3/4	584	240	90	15	15731

## 55/10/6



### Socket set

- in a sturdy steel case

#### Contains 16-pieces:

- 10 sockets with hex 3/4" **No. 55:** 22; 24; 27; 30; 32; 34; 36; 41; 46; 50 mm
- 1 ratchet head 3/4" **No. 552:** L. 165 mm
- 2 extensions 3/4" **No. 559:** L. 200; 400 mm
- 1 flexible head 3/4" **No. 554:** L. 132 mm
- 1 sliding head 3/4" **No. 556:** L. 61.5 mm
- 1 handle 3/4" **No. 558:** L. 510 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	± g
96050104	3/4	580	245	90	16	13965

Socketry

## 55a/10/5



**Socket set**

— in a sturdy steel case

**Contains 15-pieces:**

10 sockets with bi-hex  $\frac{3}{4}$ " **No. 55a:** 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ ; 1  $\frac{1}{4}$ ; 1  $\frac{3}{8}$ ; 1  $\frac{7}{16}$ ; 1  $\frac{1}{2}$ ; 1  $\frac{5}{8}$ ; 1  $\frac{3}{4}$ ; 1  $\frac{13}{16}$ ; 1  $\frac{7}{8}$ "

1 ratchet head  $\frac{3}{4}$ " **No. 552:** L. 165 mm

2 extensions  $\frac{3}{4}$ " **No. 559:** L. 200; 400 mm

1 sliding head  $\frac{3}{4}$ " **No. 556:** L. 61.5 mm

1 handle  $\frac{3}{4}$ " **No. 558:** L. 510 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96054101	$\frac{3}{4}$	540	190	90	15	12620

## 55a/16/6



**Socket set**

— in a sturdy steel case

**Contains 22-pieces:**

16 sockets with bi-hex  $\frac{3}{4}$ " **No. 55a:**  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ ; 1  $\frac{1}{4}$ ; 1  $\frac{5}{16}$ ; 1  $\frac{3}{8}$ ; 1  $\frac{7}{16}$ ; 1  $\frac{1}{2}$ ; 1  $\frac{5}{8}$ ; 1  $\frac{11}{16}$ ; 1  $\frac{3}{4}$ ; 1  $\frac{13}{16}$ ; 1  $\frac{7}{8}$ ; 2"

1 ratchet head  $\frac{3}{4}$ " **No. 552:** L. 165 mm

2 extensions  $\frac{3}{4}$ " **No. 559:** L. 200; 400 mm

1 flexible head  $\frac{3}{4}$ " **No. 554:** L. 132 mm

1 sliding head  $\frac{3}{4}$ " **No. 556:** L. 61.5 mm

1 handle  $\frac{3}{4}$ " **No. 558:** L. 510 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	♻️ g
96054103	$\frac{3}{4}$	538	243	93	22	16750

## TCS 55/11/6



**Socket set**

— safely integrated in the modular Tool Control System (TCS)

**Contains 17-pieces:**

11 sockets with hex  $\frac{3}{4}$ " **No. 55:** 22; 24; 27; 30; 32; 34; 36; 38; 41; 46; 50 mm

1 ratchet head  $\frac{3}{4}$ " **No. 552:** L. 165 mm

1 sliding head  $\frac{3}{4}$ " **No. 556:** L. 61.5 mm

1 handle  $\frac{3}{4}$ " **No. 558:** L. 510 mm

2 extensions  $\frac{3}{4}$ " **No. 559:** L. 200; 400 mm

1 square drive adaptor **No. 568:**  $\frac{3}{4}$  to  $\frac{1}{2}$ "

Product no.	"	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96830221	$\frac{3}{4}$	350	530	60	$\frac{3}{8}$	17	10100



**Anti-Slip-Drive**

The special AS-Drive profile makes high force transmission to the flats of screws and bolts possible without damaging them. This also prevents stripping of the screw head.

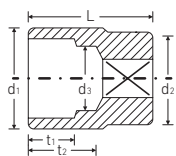
# 1" SOCKETRY.

60



**Sockets**

- bi-hex with AS-Drive profile
- 1" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1



Product no.	Ø mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	± g
06010030	30	65	42.5	43	27	20	33.1	371
06010032	32	67	45	43	29	24	34.6	374
06010034	34	67	47	43	31	24	34	398
06010036	36	67	49.5	48	33	24	33.4	493
06010041 *	41	70	55.5	48	36	30	37.5	530
06010046 *	46	75	61	49	40	32	43.5	622
06010050 *	50	80	66	48	43	34	47.5	707
06010055 *	55	85	72	48	49	36	49.5	920
06010060 *	60	90	78	48	53	40	56.5	992

\* AS-Drive and HPQ® high performance steel up to 36 mm, chrome-plated

**MADE IN CRONENBERG**  
MADE IN GERMANY

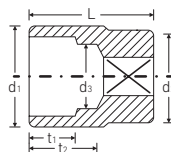
For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

60



**Sockets**

- hex
- 1" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 3124



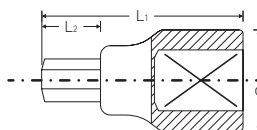
Product no.	Ø mm	L mm	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	± g
06010065	65	105	87	60	58	40	68.5	1917
06010070	70	110	94	60	63	42	72.5	2210
06010075	75	115	101	60	68	45	78.5	2525
06010080	80	120	108	60	73	48	83.5	2865

64



**INHEX screwdriver sockets**

- for hex socket head screws
- 1" internal square drive
- Chrome Alloy Steel, chrome-plated
- DIN 7422



Product no.	Ø mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø (d) mm	± g
06050014	14	85	25	43	390
06050017	17	85	25	43	417
06050019	19	85	25	43	445
06050022	22	90	25	48	661
06050024	24	90	25	48	719
06050027	27	90	25	49	827

## Socketry

### 884



#### Flexible head

- with QuickRelease safety lock
- to be used with handle No. 888
- Chrome Alloy Steel, chrome-plated

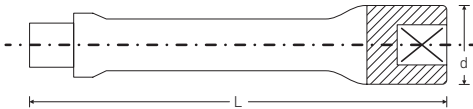
Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
16060000	1	195	48	1848

### 859

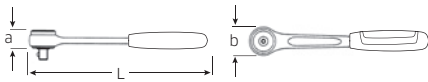


#### Extensions

- Chrome Alloy Steel, chrome-plated
- DIN 3123 / ISO 3316



Product no.	Size	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
16010001	8	1	200	43	1004
16010002	16	1	410	43	1794



#### 1" drive tools

Explanation of table headings

L = Overall length

a = Head height (excluding square drive)

b = Head width

### 882



#### Ratchet head

- 1" external square drive
- reversible
- 36 teeth
- with QuickRelease safety lock
- to be used with handle No. 888
- Chrome Alloy Steel, chrome-plated



Product no.	"	L mm	a mm	b mm	∠	∅ <sub>g</sub> g
16110000	1	185	60	70	10°	1984

### 888



#### Handle

- can be used as a T-handle in combination with sliding head No. 886
- Chrome Alloy Steel, chrome-plated

Product no.	for model	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
16170000	882; 884; 886	1	700	28	3337

### 8820

#### Ratchet spare parts set

##### Contains 7-pieces:

1 pinion; 1 locking disc; 1 switching lever; 1 ball; 1 compression spring; 2 retaining screws

Product no.	for model	"	Content pcs.	∅ <sub>g</sub> g
19070000	882	1	7	609

### 866



#### Square drive adaptor

- 1 to 3/4"
- max. torque: 1.412 N·m
- HPQ® high performance steel, chrome-plated
- DIN 3123 / ISO 3316

Product no.	"	L mm	∅ (d) mm	∅ <sub>g</sub> g
16030005	3/4	70	43	347

## 886



### Sliding head

- can be used as a T-handle in combination with handle No. 888
- Chrome Alloy Steel, chrome-plated

Product no.	"	L mm	△ g
16070000	1	80	616

## 60/6/6/882



### Socket set

- in a sturdy steel case

#### Contains 12-pieces:

- 6 sockets with bi-hex 1" **No. 60**: 36; 41; 46; 50; 55; 60 mm
- 1 ratchet head 1" **No. 882**: L. 185 mm
- 2 extensions 1" **No. 859**: L. 200; 410 mm
- 1 flexible head 1" **No. 884**: L. 195 mm
- 1 sliding head 1" **No. 886**: L. 80 mm
- 1 handle 1" **No. 888**: L. 700 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96060101	1	810	193	95	12	19720

## 60/8/6/882



### Socket set

- in a sturdy steel case

#### Contains 14-pieces:

- 4 sockets with bi-hex 1" **No. 60**: 46; 50; 55; 60 mm
- 4 sockets with hex 1" **No. 60**: 65; 70; 75; 80 mm
- 1 ratchet head 1" **No. 882**: L. 185 mm
- 2 extensions 1" **No. 859**: L. 200; 410 mm
- 1 flexible head 1" **No. 884**: L. 195 mm
- 1 sliding head 1" **No. 886**: L. 80 mm
- 1 handle 1" **No. 888**: L. 700 mm

Product no.	"	L mm	W mm	H mm	Content pcs.	△ g
96060103	1	830	222	127	14	30000

## ADAPTOR SETS.

## 5513



### Square drive adaptor set

- in a sturdy, stackable ABS plastic box

#### Contains 5-pieces:

- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 square drive adaptor **No. 432**: 3/8 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 square drive adaptor **No. 514**: 1/2 to 3/4"

Product no.	Content pcs.	△ g
96121003	5	648

## 409M/432M/514M/3



### Square drive adaptor set

#### Contains 3-pieces:

- 1 square drive adaptor **No. 409M**: 1/4 to 3/8"
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 square drive adaptor **No. 514M**: 1/2 to 3/4"

Product no.	Content pcs.	△ g
96121002	3	120

## SOCKET ACCESSORIES.

## 5100



### Rubber insert

- for 20.8 mm (No. 46; 51; 51S)

Product no.	L mm	Internal diameter mm	External diameter mm	Hardness	△ g
09010001	25	11	20	30 Shore	6

## Socketry

### 12916/10, 12917/10, 12918/10



#### Socket clip rails

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- can be mounted on a wall or perforated wall/panel

Product no.	"	L mm	Retaining clips	⚖ g
80400003	1/4	255	10	46
80450003	3/8	255	10	54
80500005	1/2	307	10	80

### 12916/12917/12918



#### Socket clip rail set

- for organised and safe storage of sockets and accessories
- secure fixing to plastic clips with ball locking function
- attachments can be combined with each other
- can be mounted on a wall or perforated wall/panel

#### Contains 3-pieces:

1 socket clip rail 1/4" (6.3 mm)

1 socket clip rail 3/8" (10 mm)

1 socket clip rail 1/2" (12.5 mm)

Product no.	L mm	Retaining clips	Content pcs.	⚖ g
96003010	315	30	3	190



# CONTROL CABINET KEYS.

172



**Profi-Key**

- universal keys for all shut-off and locking systems, including new buildings, utility locks and heating ventilation
- can also be used for door handle and window handle mounts
- functions: stepped square drive 6-10 mm; internal square drive 7-8 mm; internal triangle drive 9, 10 mm; ventilation square drive 5 mm
- also for PH size 2 and slot 7 mm
- with chain and bit adaptor 6.3 mm (1/4")
- made from diecast zinc
- supplied in clear packaging with enclosed description

Product no.	△△
87172190	g 93

173

VBW



**Control cabinet key**

- universal key for all locking systems in electrical engineering, gas and water supplies, air conditioning and ventilation technology, industry and much more
- functions: internal square drive 5, 6, 7-8 mm; internal triangle drive 7, 9 mm; double cam 3-5 mm
- also for PH size 2 and slot 7 mm
- with chain and bit adaptor 6.3 mm (1/4")
- made from diecast zinc
- supplied in clear packaging with enclosed description

Product no.	△△
87173071	g 87

172

VBW



**Control cabinet key SuBMaster 9 in 1**

- universal key for all locking systems in electrical engineering, gas and water supplies, air conditioning and ventilation technology, industry and much more
- functions: internal square drive 5, 6, 7-8, 9-10 mm; internal triangle drive 7, 8-9, 10-11 mm; deadlock 3-5 mm; crescent 6 mm
- with carabiner on the chain and 6.3 mm (1/4") bit adaptor
- made from diecast zinc
- supplied in clear packaging with enclosed description

Product no.	△△
87172100	g 175

3

## EMPTY BOXES AND INLAYS.

Product no.	Model	L	B	H	Case	Inlays
1/4 96010120	40D/40TX/44KTX/32/6QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40D/40TX/44KTX/32/6QR 83828793  Inlay 40D/40TX/44KTX/32/6 QR 83820024
1/4, 3/8, 1/2 98811908	89TX	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 89TX KN 83828870  Inlay 89TX KN 83092013
1/4 98819801	88TX	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 88 TX KN 83828847  Inlay 88TX KN 83022017
1/4, 1/2 96013702	86TX	483	289	83	Case 50/6 KN 81271019	Soft foam inlay for lid 86TX KN 83828896  Inlay 86TX KN 83012002
1/4 96010107	40ma/25/8QR	325	135	55	Case 45/1 KN 81261011	Soft foam inlay for lid 40MA/25/8QR KN 83828901  Inlay 40MA/25/8QR KN 83012006
1/4 96011162	40ma/25/8	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 40MA/25/8 KN 83828832
1/4 96015205	40aD/30/7QR	420	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 40AD/30/7QR KN SG 83828854  Inlay 40AD/30/7QR KN SG 83012112
1/4 96015208	40aD/12/7QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40AD/12/7QR KN SG 83828807  Inlay 40AD/12/7QR KN SG 83012116
1/4 96016302	40aD/9/4	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40AD/9/4 KN 83828808  Inlay 40A/9/4 KN 83012013
1/4 96015107	40a/9/4	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/A/9/4 KN 83828806  Inlay 40A/9/4 KN 83012013
1/4 96011181	40/44/17/5QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/44/17/5 QR KN 83828801  Inlay 40/44/17/5QR KN 83022084
1/4 96011113	40/44/17/5	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/44/17/5 KN 83828795  Inlay 40/44/17/5 KN 83012081
1/4 96011182	40/24/6QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/24/6 QR KN 83828802  Inlay 40/24/6QR KN 83012083
1/4 96011138	40/24/6	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/24/6 KN 83828799  Inlay 40/24/6 KN 83012082
1/4 96011134	40/23/7	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 40/23/7 KN 83828961  Inlay 40/23/7 KN 83012017
1/4 96011137	40/23/6QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/23/6QR KN 83828959  Inlay 40/23/6QR KN 83011015
1/4 96011136	40/23/6	230	130	60	Case 40/9 KN 81251019	Inlay 40/23/6 KN 83012014
1/4 96011180	40/13/6QR	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/13/6 QR KN 83828800  Inlay 40/13/6QR KN 83012182
1/4 96011124	40/13/6	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/13/6 KN 83828797  Inlay 40/13/6 KN 83012080

Product no.	Model	L	B	H	Case	Inlays
1/4 96011119	40/9/4	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40/9/4 KN 83828796 Inlay 40/9/4 KN 83013012
1/4 96016304	40a/40aD/16/2	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 40A/40AD/16/2 83828969 Inlay 40A/40AD/16/2 61010562
1/4, 3/8 96012047	40/45/36/12	420	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 40/45/36/12 KN 83828853 Inlay 40/45/36/12 KN 83012010
1/4, 1/2 96011160	40/52/27/11	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 40/52/27/11 KN 83828872 Inlay 40/52/27/11/1 KN 83012005
1/4, 1/2 91222607	40/52/45/12QR	290	480	85	Case 50/6 KN 81271019	Soft foam inlay for lid 40/52/45/12 KN 83828976 Inlay 40/52/45/12 61008439
3/8 96021236	456/49/19/5	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 456/49/19/5 KN 83828858 Inlay 45/49/19/5 KN 83022021
3/8 96023132	456/14/5I	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 456/14/5 I KN 83828841 Inlay 45/14/5I KN 83022080
3/8 96022133	456/11/4	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 456/11/4 KN 83828842 Inlay 45/11/4 KN 83022013
3/8 96020107	45ma/28/5QR	415	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 45MA/28/5QR KN 83828955 Inlay 45MA/28/5QR KN 83022007
3/8 96021122	45ma/28/5	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 45MA/28/5 KN 83828856 Inlay 45MA/28/5 KN 83022027
3/8 96025207	45a/22/8QR	458	257	65	Case 50/4 KN 81271034	Soft foam inlay for lid 45A/22/8QR KN SG 83828874 Inlay 45A/22/8QR KN SG 83022112
3/8 96025204	45a/12/5	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 45A/12/5 KN 83828843 Inlay 45A/12/5 KN 83022006
3/8 96022119	45/49/32/5TX	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 45/49/32/5 TX KN 83828855 Inlay 45/49/32/5TX KN 83022009
3/8 96021223	45/49/19/5	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 45/49/19/5 KN 83828857 Inlay 45/49/19/5 KN 83022021
3/8 96021180	45/14/5I QR	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 45/14/5 I QR KN 83828838 Inlay 45/14/5I QR KN 83022081
3/8 96024132	45/14/5I	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 45/14/5 I KN 83828837 Inlay 45/14/5I KN 83022080
3/8 96021109	45/11/4	325	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 45/11/4 KN 83828836 Inlay 45/11/4 KN 83022013
1/2 96031508	54/10	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 54/10 KN 83828810 Inlay 54/10 KN 83032403



## Socketry

■	Product no.	Model	L	B	H	Case	Inlays
1/2	96031503	54/12	327	135	60	Case 45/1 KN 81261011	Soft foam inlay for lid 40/21/8 FIN. KN 83828884 Inlay 54/12 KN 83034409
1/2	96032005	54TX/10	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 54TX/10 KN 83828812 Inlay 54TX/10 KN 83032402
1/2	96033606	3054X/54X/8	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 3054X/54X/8 KN 83828814 Inlay 3054X/54X/8 KN 83033612
1/2	96031136	50/43/7N	540	290	53	Case 50/5 empty for set 81270005	Inlay 50/43/7 83031511
1/2	98811909	876TX	483	289	83	Case 50/6 KN 81271019	Soft foam inlay for lid 876 KN 83828900 Inlay 876TX KN 83092011
1/2	96032301	876	483	289	83	Case 50/6 KN 81271019	Inlay-2, 876KN top spanners 83093211 Inlay-1, 876KN bottom inlay 83093111
1/2	96031501	54/8/4	417	230	60	Case 40/7 KN 81251014	Soft foam inlay for lid 54/8/4 KN 83828868 Inlay 54/8/4 KN 83033413
1/2	96031240	52/54/25/6QR	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 52/54/25/6QR KN 83828958 Inlay 50/54/25/6QR KN 83032400
1/2	96031440	50/54/25/6QR	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50/54/25/6QR KN 83828957 Inlay 50/54/25/6QR KN 83032400
1/2	96031239	52/54/25/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 52/54/25/6 KN 83828894 Inlay 52/54/25/6 KN 83032417
1/2	96031439	50/54/25/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50/54/25/6 KN 83828895 Inlay 52/54/25/6 KN 83032417
1/2	96031409	52/22/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 52/22/6 KN 83828877 Inlay 50/22/6 KN 83031407
1/2	96031480	52/16/6QR	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 52/16/6QR KN 83828880 Inlay 52/16/6QR KN 83032481
1/2	96031448	52/16/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 52/16/6 KN 83828879 Inlay 52/16/6 KN 83032480
1/2	96031436	52/12/3	415	227	67	Case 50/3 KN 81271013	Soft foam inlay for lid 52/12/3 KN 83828867 Inlay 50/12/3 KN 83031412
1/2	96030107	50ma/39/6QR	540	290	55	Case 50/5 empty for set 81270005	Inlay 50MA/39/6QR 83031405
1/2	96030140	50ma/39/6N	540	292	53	Case 50/5 empty for set 81270005	Inlay 50MA/39/6 S 83031426
1/2	96035125	50a/17/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50A/17/6 KN 83828882 Inlay 50A/17/6 KN 83031441
1/2	96031236	50/43/7QR	540	292	53	Case 50/5 empty for set 81270005	Inlay 50/43/7 83031511
1/2	96031407	50/22/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50/22/6 KN 83828876 Inlay 50/22/6 KN 83031407

"	Product no.	Model	L	B	H	Case	Inlays
1/2	96031446	50/16/6QR	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50/16/6QR KN 83828956
1/2	96031447	50/16/6	458	254	65	Case 50/4 KN 81271034	Soft foam inlay for lid 50/16/6 KN 83828878 Inlay 52/16/6 KN 83032480
1/2	96031435	50/12/3	415	227	67	Case 50/3 KN 81271013	Soft foam inlay for lid 50/12/3 KN 83828866 Inlay 50/12/3 KN 83031412
	96033704	50TX/8	230	130	60	Case 40/9 KN 81251019	Soft foam inlay for lid 50TX/8 KN 83828815 Inlay 50TX/8 KN 83033411
3/4	96054103	55a/16/6	538	243	93	Case 55/7 empty for set 81290008	Inlay 55A/16/6 PC-Inlay for socket set 83040004
3/4	96054101	55a/10/5	540	190	90	Case 55/6 empty for set 81290007	Inlay 55A/10/5 PC-Inlay for socket set 83040003
3/4	96050104	55/10/6	580	245	90	Case 55/7 empty for set 81290008	Inlay 55/10/6 PC-Inlay for socket set 83040002
3/4	96050103	55/9/6N	584	240	90	Case 55/7 empty for set 81290008	Inlay 55/9/6N PC-Inlay for socket set 83040001
1	96060101	60/6/6/882	810	193	95	Case 60/1 empty for set 81300001	
1	96060103	60/8/6/882	830	222	127	Case 60/2 empty for set 81300002	





## 4 IMPACT tools

230 1/2" IMPACT tools

234 3/4" IMPACT tools

236 1" IMPACT tools

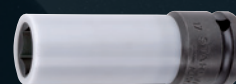
237 Bit adaptors, machine-operated



# STAHLWILLE IMPACT TOOLS – Concentrated power under control.

The tools in the IMPACT product range are designed for particularly heavy-duty use with IMPACT wrenches and are characterised by maximum load capacities and a long service life. The name IMPACT stands for top quality from professionals for professionals in all areas of industry and trades.

# SOLID



## Resilient.

IMPACT sockets are made of high quality Chrome Alloy Steel. They are stress and distortion-free and hardened in an oil bath, resulting in extremely tight tolerances.

## Exact.

The precise dimensional accuracy due to extremely tight tolerances guarantees optimal, clearance-free transmission of forces from the IMPACT wrench to the socket as well as significantly increased durability.

## Gentle.

The special IMPACT sockets with plastic sleeve enable quick wheel changes and protect sensitive alloy wheels.

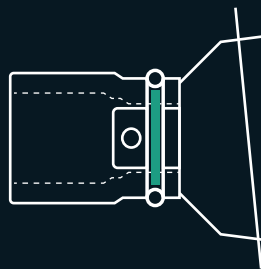


## Individual.

IMPACT sets in TCS inlays – for individual storage solutions, e.g. in our tool boxes, tool trolleys or workbenches.

4

MADE IN CRONENBERG  
MADE IN GERMANY



## Reliable.

All IMPACT sockets have a straight-through hole for the locking pin and a deep groove for the rubber ring. The locking pin is not under load during use.



## Varied.

IMPACT quality is available individually or as a set. No matter what specialists choose: Extensions, bit adaptors, universal joints and sockets always fit together perfectly. Simply combine individually, connect together – and you're done.



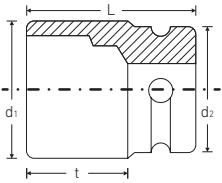
# 1/2" IMPACT TOOLS.

## 50IMP



**IMPACT sockets**

- with hex
- 1/2" internal square drive
- DIN 3129 / ISO 1711-2
- Chrome Alloy Steel, gunmetal finish



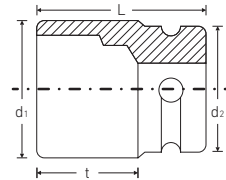
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	g
23010008	8	1/2	14.3	25	38	21.5	86
23010010	10	1/2	16.8	25	38	21.5	89
23010011	11	1/2	18.1	25	38	21.5	88
23010012	12	1/2	19.5	25	38	21.5	88
23010013	13	1/2	20.8	25	38	21.5	85
23010014	14	1/2	22.1	25	38	21.5	86
23010015	15	1/2	23.5	30	38	23	132
23010016	16	1/2	24.8	30	38	23	130
23010017	17	1/2	26.2	30	38	22.9	132
23010018	18	1/2	27.5	30	38	22.6	130
23010019	19	1/2	28.8	30	40	24.6	133
23010021	21	1/2	31.3	30	40	23	135
23010022	22	1/2	32.5	30	42	25	141
23010023	23	1/2	33.8	30	40	24.5	144
23010024	24	1/2	35	30	44	28	164
23010025	25	1/2	36.3	30	44	25	167
23010027	27	1/2	38.8	30	45	29	190
23010030	30	1/2	42	30	50	34	199
23010032	32	1/2	44	30	50	34	210

## 50D IMP



**IMPACT sockets**

- with bi-hex
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish



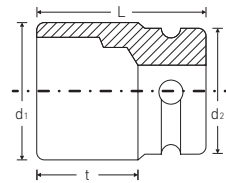
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	g
23011032	32	1/2	50	30	43	251
23011036	36	1/2	49	30	50	313

## 51IMP



**IMPACT sockets**

- deep version
- with hex
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	g
23020013	13	1/2	20.8	25	85	68.5	222
23020015	15	1/2	23.5	30	85	68	340
23020016	16	1/2	24.8	30	85	68	338
23020017	17	1/2	26.2	30	85	68	318
23020018	18	1/2	27.5	30	85	68	309
23020019	19	1/2	28.8	30	85	67.5	292
23020021	21	1/2	31.3	30	85	66.5	291
23020022	22	1/2	32.5	30	85	66.5	323
23020024	24	1/2	35	30	85	66	340
23020027	27	1/2	38.8	30	85	65	385

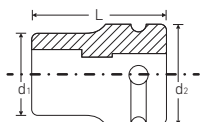


## 2308TX



### IMPACT sockets

- for external TORX® screws
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish



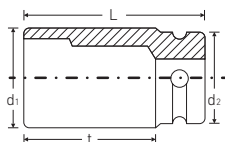
Product no.	●	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	±g
23080010	E10	9.4	1/2	14	25	38	67
23080012	E12	11.1	1/2	15.9	25	38	73
23080014	E14	12.9	1/2	17.7	25	38	73
23080016	E16	14.7	1/2	20	25	38	77
23080018	E18	16.6	1/2	22	30	38	115
23080020	E20	18.4	1/2	24.5	30	38	120
23080024	E24	22.1	1/2	30	30	41.2	149

## 2309



### IMPACT sockets

- deep version, with reduced diameter
- with hex
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish



Product no.	●	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	±g
23090017	17	17	1/2	25.7	30	85	68	242
23090019	19	19	1/2	28.2	30	85	67.5	257
23090221	21	21	1/2	30.7	30	85	66.5	272
23090022	22	22	1/2	32	30	85	66.5	311

## 2309IMP K



### IMPACT wheel nut sockets

- with hex
- 1/2" internal square drive
- protruding plastic sleeve protects alloy wheels from accidental damage
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2

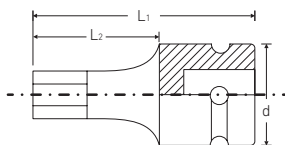
Product no.	mm	"	d mm	L mm	±g
23091017	17	1/2	27	86	235
23091019	19	1/2	29	86	250
23091221	21	1/2	31	86	265

## 54IMP



### IMPACT INHEX screwdriver sockets

- for hex socket screws
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish



Product no.	●	mm	"	d mm	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
23050005	5	5	1/2	25	40	20	58
23050006	6	6	1/2	25	40	20	59
23050007	7	7	1/2	25	40	20	60
23050008	8	8	1/2	25	40	20	60
23050010	10	10	1/2	25	40	20	70
23050012	12	12	1/2	25	40	20	111
23050014	14	14	1/2	25	40	20	118
23050017	17	17	1/2	25	40	20	134
23050019	19	19	1/2	25	40	20	164

4

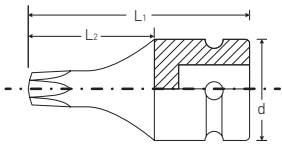
**IMPACT tools**

**2307TX**



**IMPACT screwdriver sockets**

- for recessed TORX® screws
- 1/2" internal square drive
- Chrome Alloy Steel, gunmetal finish



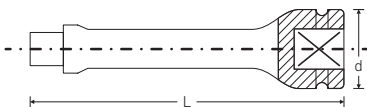
Product no.	●	■ mm	○"	d mm	L <sub>1</sub> mm	L <sub>2</sub> mm	± g
23070030	T30	5.5	1/2	25	40	21	57
23070040	T40	6.6	1/2	25	40	21	58
23070045	T45	7.8	1/2	25	40	21	59
23070050	T50	8.8	1/2	25	40	22	57
23070055	T55	11.2	1/2	25	40	22	61
23070060	T60	13.2	1/2	25	40	22	66

**509IMP**



**IMPACT extensions**

- 1/2" square drive
- Chrome Alloy Steel, gunmetal finish



Product no.	Size	■"	○"	d mm	L mm	± g
33010001	2	1/2	1/2	30	52	155
33010002	5	1/2	1/2	30	130	271
33010003	10	1/2	1/2	30	255	452

**510IMP**



**IMPACT universal joint**

- 1/2" square drive
- Chrome Alloy Steel, gunmetal finish

Product no.	■"	○"	d mm	L mm	± g
33020000	1/2	1/2	28	60	228

**513IMP**



**IMPACT square drive adaptor**

- 1/2" internal square drive
- 1/2 to 3/8"
- Chrome Alloy Steel, gunmetal finish

Product no.	■"	○"	d mm	L mm	± g
33030002	3/8	1/2	30	37	109

**514IMP**



**IMPACT square drive adaptor**

- 1/2" internal square drive
- 1/2 to 3/4"
- Chrome Alloy Steel, gunmetal finish

Product no.	■"	○"	d mm	L mm	± g
33030005	3/4	1/2	30	49	174

**5091IMP**



**IMPACT rubber rings**

- for IMPACT socket tools

Product no.	Size	suitable for	○"	± g
39011940	1IMP	8-14 mm; E10-E16; T30-T60	1/2	1
39012440	2IMP	15-36 mm; E18-E24	1/2	2

**5092IMP**



**IMPACT locking pins**

- for IMPACT socket tools

Product no.	Size	suitable for	○"	± g
39022030	1IMP	8-14 mm; E10-E16; T30-T60	1/2	1
39022530	2IMP	15-36 mm; E18-E24	1/2	2

## 50IMP/6/2



### IMPACT tool set

— in a sturdy, stackable ABS plastic box

#### Contains 12-pieces:

- 6 IMPACT sockets with hex 1/2" **No. 50IMP:** 13; 17; 19; 21; 22; 24 mm
- 1 IMPACT extension 1/2" **No. 509/5IMP:** L. 125 mm
- 1 IMPACT universal joint 1/2" **No. 510IMP:** L. 60 mm
- 1 IMPACT rubber ring each 1/2" **No. 5091/1IMP, 5091/2IMP**
- 1 IMPACT locking pin each 1/2" **No. 5092/1IMP, 5092/2IMP**

Product no.	Ø"	Content pcs.	Δ g
96231101	1/2	12	1810

## 54IMP/9



### IMPACT INHEX screwdriver socket set

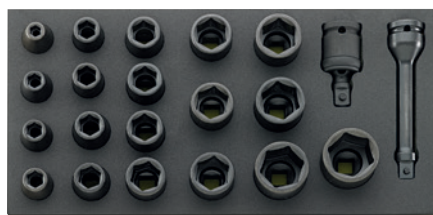
— in a sturdy, stackable ABS plastic box

#### Contains 13-pieces:

- 9 IMPACT screwdriver sockets INHEX 1/2" **No. 54IMP:** 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
- 1 IMPACT rubber ring each 1/2" **No. 5091/1IMP, 5091/2IMP**
- 1 IMPACT locking pin each 1/2" **No. 5092/1IMP, 5092/2IMP**

Product no.	Ø"	Content pcs.	Δ g
96231501	1/2	13	1208

## TCS 50IMP/19/2



### IMPACT tool set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 21-pieces:

- 19 IMPACT sockets with hex **No. 50IMP:** 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 23; 24; 25; 27; 30; 32 mm
- 1 IMPACT extension 1/2" **No. 509/5IMP:** L. 125 mm
- 1 IMPACT universal joint 1/2" **No. 510IMP:** L. 68 mm

Product no.	Ø"	L mm	W mm	H mm	Module size	Content pcs.	Δ g
96838791	1/2	350	175	50	1/3	21	3055

## TCS 50IMP/51IMP/19



### IMPACT socket set

— safely integrated in the modular Tool Control System (TCS)

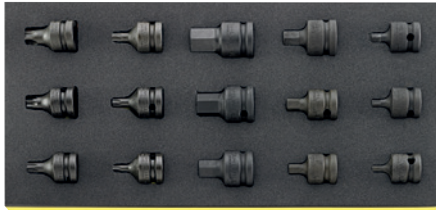
#### Contains 19-pieces:

- 11 IMPACT sockets with hex 1/2" **No. 50IMP:** 10; 13; 15; 16; 17; 18; 19; 21; 22; 24; 27 mm
- 8 IMPACT sockets, deep, with hex 1/2" **No. 51IMP:** 13; 15; 17; 18; 19; 21; 22; 24 mm

Product no.	Ø"	L mm	W mm	H mm	Module size	Content pcs.	Δ g
96838777	1/2	350	175	50	1/3	19	3960



## TCS 54IMP/2307TX/15



### IMPACT screwdriver socket set

— safely integrated in the modular Tool Control System (TCS)

**Contains 15-pieces:**

9 IMPACT screwdriver sockets INHEX 1/2" No. 54IMP: 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

6 IMPACT screwdriver sockets TORX® 1/2" No. 2307TX: T30; T40; T45; T50; T55; T60

Product no.	Ø"	L mm	W mm	H mm	Module size	Content pcs.	ΔΔ g
96838792	1/2	350	175	40	1/3	15	1285

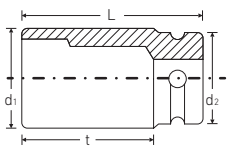
## 3/4" IMPACT TOOLS.

### 55IMP



### IMPACT sockets

- with hex
- 3/4" internal square drive
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



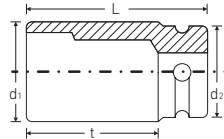
Product no.	Ø mm	Ø"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	ΔΔ g
25010017	17	3/4	29	44	48	23	365
25010018	18	3/4	30.5	44	48	23	345
25010019	19	3/4	32	44	48	23	359
25010021	21	3/4	35	44	50	25	375
25010022	22	3/4	36.5	44	50	25	377
25010024	24	3/4	39.5	44	50	24.5	382
25010027	27	3/4	43.5	44	51	24.5	387
25010028	28	3/4	45	44	54	27	417
25010029	29	3/4	46	44	54	26.5	425
25010030	30	3/4	47.4	44	54	26.5	438
25010032	32	3/4	49.9	44	54	26	456
25010033	33	3/4	51.5	44	54	25.5	477
25010034	34	3/4	52.4	44	54	29	490
25010036	36	3/4	54.9	44	57	32	545
25010038	38	3/4	58	44	58	33	600
25010041	41	3/4	60	44	58	34.5	500
25010046	46	3/4	67	44	63	36.5	746

### 56IMP



### IMPACT sockets

- deep version
- with hex
- 3/4" internal square drive
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



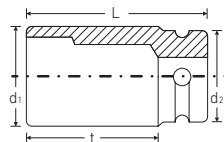
Product no.	Ø mm	Ø"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	ΔΔ g
25020017	17	3/4	28.2	38	90	75	783
25020019	19	3/4	30	38	90	75	780
25020021	21	3/4	35	44	100	75	895
25020022	22	3/4	36.5	44	100	75	854
25020024	24	3/4	39.5	44	100	74.5	838
25020027	27	3/4	43.5	44	100	72.5	800
25020030	30	3/4	47.4	44	100	72.5	860
25020032	32	3/4	49.9	44	100	72	922
25020034	34	3/4	52.4	44	100	71.5	983
25020036	36	3/4	54.9	44	100	71	1038
25020041	41	3/4	60	44	92	64	899
25020046	46	3/4	67	44	92	64	1340

### 2509



### IMPACT sockets

- deep version, with reduced diameter
- with hex
- 3/4" internal square drive
- for bolted joints of e.g. TRILEX® wheels
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



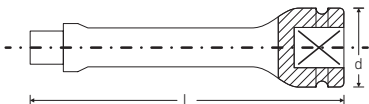
Product no.	Ø mm	Ø"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	ΔΔ g
25090027	27	3/4	40.5	44	100	72.5	672
25090030	30	3/4	44.3	44	100	72.5	728
25090032	32	3/4	46.8	44	100	72	778
25090033	33	3/4	48	44	100	72	803

## 560IMP



### IMPACT extensions

- 3/4" square drive
- Chrome Alloy Steel, gunmetal finish



Product no.	Size	■ "	○ "	d mm	L mm	± g
35010001	7	3/4	3/4	44	180	805
35010002	10	3/4	3/4	44	250	1050
35010003	13	3/4	3/4	44	330	1305

## 561IMP



### IMPACT universal joint

- 3/4" square drive
- Chrome Alloy Steel, gunmetal finish

Product no.	■ "	○ "	d mm	L mm	± g
35020000	3/4	3/4	44	99	657

## 568IMP



### IMPACT square drive adaptor

- 3/4" internal square drive
- 3/4 to 1/2"
- Chrome Alloy Steel, gunmetal finish

Product no.	■ "	○ "	d mm	L mm	± g
35030003	1/2	3/4	44	56	335

## 569IMP



### IMPACT square drive adaptor

- 3/4" internal square drive
- 3/4 to 1"
- Chrome Alloy Steel, gunmetal finish

Product no.	■ "	○ "	d mm	L mm	± g
35030006	1	3/4	44	65	477

## 5591IMP



### IMPACT rubber ring

- for IMPACT socket tools

Product no.	suitable for	○ "	± g
39013650	17-46 mm	3/4	3

## 5592IMP



### IMPACT locking pin

- for IMPACT socket tools

Product no.	suitable for	○ "	± g
39023540	17-46 mm	3/4	3

**MADE IN GERMANY**

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

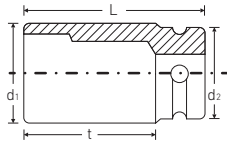
# 1" IMPACT TOOLS.

## 60IMP



**IMPACT sockets**

- with hex
- 1" internal square drive
- DIN 3129 / ISO 1711-2
- Chrome Alloy Steel, gunmetal finish



Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	±g
26010024	24	1	41.5	54	58	28	638
26010027	27	1	45	54	60	30	654
26010030	30	1	49	54	62	32	688
26010032	32	1	51.5	54	63	32	694
26010033	33	1	52.5	54	63	31.5	695
26010036	36	1	56.5	54	67	34.5	754
26010038	38	1	59	54	70	37	836
26010041	41	1	63	54	70	36.5	892
26010042	42	1	64.5	54	73	39	970
26010046	46	1	69.5	54	76	41	1106
26010050	50	1	74.5	54	82	52	1362
26010055	55	1	81	54	87	57	1669
26010060	60	1	87	54	91	61	1960
26010065	65	1	93	54	80	55	1678
26010070	70	1	98	54	85	43	1803
26010075	75	1	104	86	95	50	2674
26010080	80	1	109	86	100	55	2949

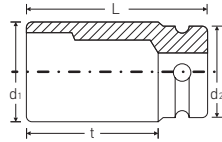


## 66IMP



**IMPACT sockets**

- deep version
- with hex
- 1" internal square drive
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



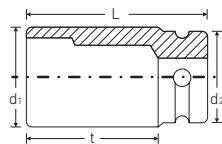
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	±g
26020024	24	1	41.5	54	110	80	1431
26020027	27	1	45	54	110	80	1393
26020030	30	1	49	54	110	79.5	1338
26020032	32	1	51.5	54	110	79	1296
26020033	33	1	52.5	54	110	78.5	1274
26020036	36	1	56.5	54	110	78	1312
26020038	38	1	59	54	110	77	1355
26020041	41	1	63	54	110	76	1504
26020046	46	1	69.5	54	110	72	1711

## 2609



**IMPACT sockets**

- deep version, with reduced diameter
- with hex
- 1" internal square drive
- for wheel nuts
- Chrome Alloy Steel, gunmetal finish
- DIN 3129 / ISO 1711-2



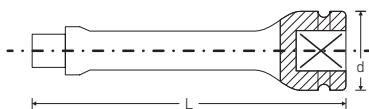
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	L mm	t mm	±g
26090027	27	1	42.3	54	110	80	1001
26090030	30	1	46	54	110	79.5	1047
26090032	32	1	48.5	54	110	79	1015
26090033	33	1	49.8	54	110	78.5	1102

## 859IMP



### IMPACT extensions

- 1" square drive
- Chrome Alloy Steel, gunmetal finish



Product no.	Size	"	Ø	d mm	L mm	g
36010001	7	1	1	54	180	1361
36010002	13	1	1	54	330	2168

## 871IMP



### IMPACT universal joint

- 1" square drive
- Chrome Alloy Steel, gunmetal finish

Product no.	"	Ø	d mm	L mm	g
36020000	1	1	54	125	1244

## 866IMP



### IMPACT square drive adaptor

- 1" internal square drive
- 1 to 3/4"
- Chrome Alloy Steel, gunmetal finish

Product no.	"	Ø	d mm	L mm	g
36030005	3/4	1	54	70	565

## 6091IMP



### IMPACT rubber ring

- for IMPACT socket tools

Product no.	suitable for	Ø	g
39014850	24-70 mm	1	8

## 6092IMP



### IMPACT locking pin

- for IMPACT socket tools up to 70 mm and additional tools

Product no.	suitable for	Ø	g
39025050	24-70 mm	1	7

## BIT ADAPTORS, MACHINE-OPERATED.

### 3116/1QR-3316/1QR



#### QuickRelease bit adaptors

- with external hex drive
- for machine-operated IMPACT sockets DIN 3129 / ISO 2725-2 with internal square DIN 3121 / ISO 1174-2
- with a larger diameter for improved contact with the IMPACT sockets
- Chrome Alloy Steel, gunmetal finish



Product no.	Model	"	mm	L mm	H mm	g
31161001	3116/1QR	1/4	E 6.3	50	11.2	18
32161001	3216/1QR	3/8	E 6.3	50	14.6	26
33161001	3316/1QR	1/2	E 6.3	50	19.2	46



# 5 Screwdrivers and bit tools

242 **Screwdrivers**

251 **Screwdriver sets**

258 **L-Keys**

264 **L-Key sets in TCS**

265 **Bit tools**



# STAHLWILLE SCREWDRIVERS AND BIT TOOLS – The great variety.

For professionals who are consistently meeting new demands in their daily work: STAHLWILLE offers a variety of screwdrivers for the most diverse applications and drive profiles – individually or in useful sets. Bit ratchets, bit holders and screwdriver bits complete the product range.

# QUICK



## Safe.

Our DRALL+ handle is non-slip and ergonomic. An extended grip zone protects the fingers and a hand stop prevents the tool from accidentally slipping or rolling away.



## Optimised.

The DRALL+ handle with 3-components combines hard and soft elements, which give it its optimised ergonomics, maximum power transmission and increased safety during daily use.



## Practical.

Always find the right tip-profile thanks to the useful marking on the handle. For use in extreme conditions, DRALL+ screwdrivers are also available with metal impact caps.



### Space-saving.

Perfect for work in confined spaces. The 1/4" bit fine-tooth mini ratchet with steel handle impresses with its slim design and special 80-tooth mechanism that allows a working angle of only 4.5°.

MADE IN CRONENBERG  
MADE IN GERMANY

5

### Fitting.

STAHLWILLE also offers screwdriver bits with different drive profiles – Made in Germany. Special hardening processes and high performance alloy steels guarantee a long service life.

### Compact.

Stored in the practical soft case or in the robust plastic box, users have all the important bits, sockets and the drive tool right at hand.



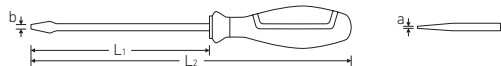
# SCREWDRIVERS.

## 4620



### Slotted screwdrivers DRALL+

- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 2380-1 / DIN ISO 2380-2 / DIN 5264



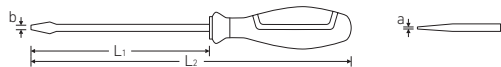
Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46203035	1	0.6	3.5	75	160	25
46203040	2	0.8	4	100	185	34
46203055	3	1.0	5.5	125	240	79
46203065	4	1.2	6.5	150	265	109
46203080	5	1.6	8	175	300	136
46203100	6	1.6	10	200	325	163
46203120	7	2.0	12	250	375	215

## 4621



### Slotted screwdrivers DRALL+

- for slotted screws
- parallel blades
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- blades according to VSM (Swiss Standard)



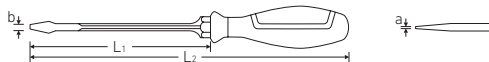
Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46213025	0	0.4	2.5	80	165	27
46213035	1	0.5	3.5	90	175	26
46213040	2	0.6	4	100	185	34
46213055	3	0.8	5.5	120	235	78
46213065	4	1.0	6.5	140	255	96
46213080	5	1.2	8	160	275	117

## 4622



### Slotted screwdrivers DRALL+

- with hex shank profile
- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 2380-1 / DIN ISO 2380-2 / DIN 5264



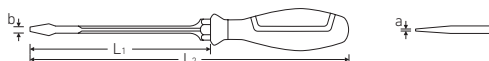
Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	mm	Δ g
46223555	1	1.0	5.5	100	215	8	85
46223565	2	1.2	6.5	125	240	10	100
46223580	3	1.2	8	150	275	13	159
46223500	4	1.6	10	175	300	13	174
46223520	5	2.0	12	200	325	13	240
46223540	6	2.5	14	250	375	13	310

## 4622SK



### Slotted screwdrivers DRALL+

- with impact cap
- with hex shank profile
- for slotted screws
- black tip
- with 3-component handle
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764

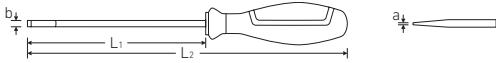


Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	mm	Δ g
46223440	1	0.8	4	90	195	6	50
46223355	2	1.0	5.5	100	215	8	106
46223365	3	1.2	6.5	125	240	10	135
46223208	4	1.2	8	150	275	13	191
46223210	5	1.6	10	175	300	13	226
46223212	6	2.0	12	200	325	13	267
46223314	7	2.5	14	250	375	13	340

## 4628

**Electrician's slotted screwdrivers DRALL+**

- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 2380-1 / DIN ISO 2380-2 / DIN 5264

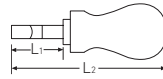


Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46283025	1	0.4	2.5	60	145	20
46283035	2	0.6	3.5	75	160	40
46283040	4	0.8	4	125	210	36
46283055	5	1.0	5.5	150	265	92
46283135	3	0.6	3.5	100	185	41
46283155	6	1.0	5.5	200	315	102

## 4724

**Slotted screwdrivers DRALL®**

- short version
- for slotted screws
- black tip
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 2380-1 / DIN ISO 2380-2 / DIN 5264

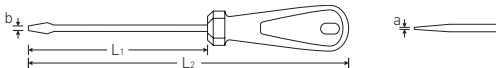


Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
47241045	1	0.6	3.5	25	80	34
47241060	2	1.0	5.5	25	80	32
47241080	3	1.2	8	25	80	39

## 4820

**Slotted screwdrivers 3K DRALL®**

- for slotted screws
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated
- DIN 5264 / ISO 2380

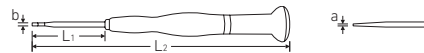


Product no.	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
48201035	0.6	3.5	75	170	63
48201040	0.8	4	100	195	32
48202055	1.0	5.5	125	220	58
48201065	1.2	6.5	150	265	100
48201080	1.6	8	175	290	120
48201100	1.6	10	200	315	158
48202100	2.0	12	250	375	218

## 4751

**Electronic slotted screwdrivers**

- for slotted screws
- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking



Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
47513001	1	0.16	0.8	40	140	12
47513002	2	0.18	1	40	140	12
47513003	3	0.25	1.2	40	140	12
47513004	4	0.3	1.5	40	140	12
47513005	5	0.3	1.8	60	160	12
47513006	6	0.4	2	60	160	12
47513007	7	0.4	2.5	75	175	12
47513008	8	0.5	3	75	175	14

TOOLS THAT  
... inspire

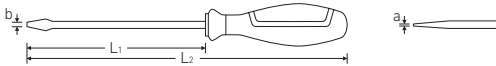
## Screwdrivers and bit tools

### 10503



#### Slotted screwdriver DRALL+

- long version, for adjustment work
- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN 2380



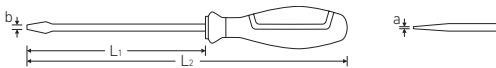
Product no.	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
73213101	0.8	5	250	365	100

### 10506



#### Slotted screwdriver DRALL+

- long version, for adjustment work
- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN 2380



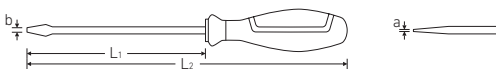
Product no.	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
73013001	0.8	4	300	380	48

### 10518



#### Slotted screwdriver DRALL+

- long version, for adjustment work
- for slotted screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN 2380



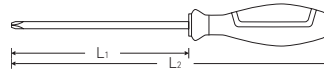
Product no.	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
73213102	1.0	5.5	410	525	159

### 4630



#### PH cross-head screwdrivers DRALL+

- for PHILLIPS® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764



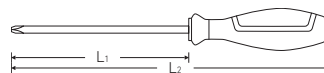
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46303000	PH0	60	145	20
46303001	PH1	80	185	35
46303002	PH2	100	215	90
46303003	PH3	150	275	146

### 4631



#### PH cross-head screwdrivers DRALL+

- long version
- for PHILLIPS® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764

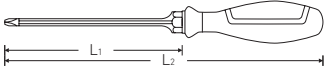


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46313001	PH1	250	355	110
46313002	PH2	250	365	122

## 4632

**PH cross-head screwdrivers DRALL<sup>+</sup>**

- with hex shank profile
- for PHILLIPS® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764

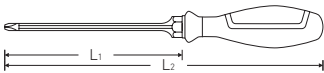


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	⌀ mm	△ g
46323301	PH1	80	185	6	45
46323302	PH2	100	215	10	100
46323303	PH3	150	275	13	170
46323304	PH4	200	325	13	237

## 4632SK

**PH cross-head screwdrivers DRALL<sup>+</sup>**

- with impact cap
- with hex shank profile
- for PHILLIPS® screws
- black tip
- with 3-component handle
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764

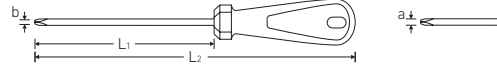


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	⌀ mm	△ g
46323201	PH1	85	190	6	58
46323202	PH2	100	215	10	120
46323203	PH3	150	275	13	194

## 4830

**PH cross-head screwdrivers 3K DRALL<sup>®</sup>**

- for PHILLIPS® screws
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated
- DIN 5262 / ISO 8764

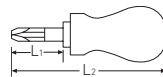


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
48301000	PH0	60	155	28
48301001	PH1	80	175	50
48301002	PH2	100	215	70
48301003	PH3	150	275	126
48301004	PH4	200	325	251

## 4734

**PH cross-head screwdrivers DRALL<sup>®</sup>**

- short version
- for PHILLIPS® screws
- black tip
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
47341001	PH1	25	80	27
47341002	PH2	25	80	31

**DRALL<sup>+</sup>**

Our DRALL<sup>+</sup> handle is non-slip and ergonomic. An extended grip zone protects the fingers and a hand stop prevents the tool from accidentally slipping or rolling away.

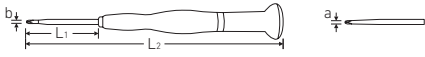
Screwdrivers and bit tools

4752



Electronic PH cross-head screwdrivers

- for PHILLIPS® screws
- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking
- DIN ISO 2380



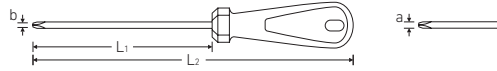
Product no.	Size	Ø mm	L1 mm	L2 mm	±g
47523010	PH00	2.5	40	140	12
47523020	PH0	3	60	160	14
47523001	PH1	4.5	80	180	24

4840



PZ cross-head screwdrivers 3K DRALL®

- for POZIDRIV® screws
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated
- DIN 5262 / ISO 8764



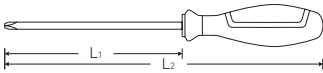
Product no.	Size	L1 mm	L2 mm	±g
48401001	PZ1	80	175	33
48401002	PZ2	100	215	70

4640



PZ cross-head screwdrivers DRALL+

- for POZIDRIV® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764



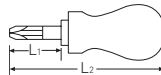
Product no.	Size	L1 mm	L2 mm	±g
46403000	PZ0	60	145	35
46403001	PZ1	80	185	44
46403002	PZ2	100	215	89
46403003	PZ3	150	275	145

4744



PZ cross-head screwdrivers DRALL®

- short version
- for POZIDRIV® screws
- black tip
- Chrome Alloy Steel, matt chrome-plated
- DIN ISO 8764



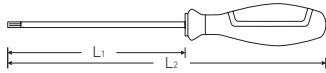
Product no.	Size	L1 mm	L2 mm	±g
47441001	PZ1	25	80	28
47441002	PZ2	25	80	34



## 4650

**TORX® screwdrivers DRALL+**

- for recessed TORX® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

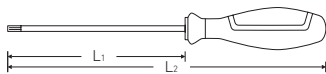


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	± g
46503005	T5	60	145	30
46503006	T6	60	145	35
46503007	T7	60	145	35
46503008	T8	60	145	33
46503009	T9	60	145	35
46503010	T10	80	165	35
46503015	T15	80	165	38
46503020	T20	100	205	50
46503025	T25	100	205	50
46503027	T27	115	230	90
46503030	T30	115	230	90
46503040	T40	115	240	131
46503045	T45	130	255	136

## 4650L

**TORX® screwdrivers DRALL+**

- long version
- for recessed TORX® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

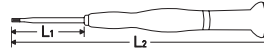


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	± g
46503115	T15	250	335	45
46503120	T20	250	355	180
46503125	T25	250	355	180
46503130	T30	250	365	125

## 4754

**Electronic TORX® screwdrivers**

- for recessed TORX® screws
- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking

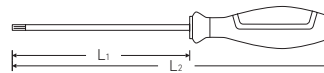


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	± g
47540004	T4	50	150	17
47540005	T5	50	150	17
47540006	T6	50	150	17
47540007	T7	50	150	17
47540008	T8	60	160	19
47540009	T9	60	160	19
47540010	T10	60	160	22
47540015	T15	80	180	22

## 4656

**TORX® Tamper Resistant screwdrivers DRALL+**

- for recessed TORX® screws
- with hole in the drive tip (TORX® Tamper Resistant)
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	± g
46563008	T8	60	145	35
46563009	T9	60	145	35
46563010	T10	80	165	39
46563015	T15	80	165	39
46563020	T20	100	205	42
46563025	T25	100	205	50
46563027	T27	115	230	90
46563030	T30	115	230	90
46563040	T40	115	240	120
46563045	T45	130	255	118

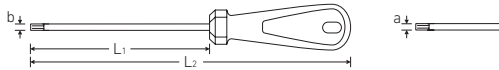
## Screwdrivers and bit tools

### 4856



#### TORX® Tamper Resistant screwdrivers 3K DRALL®

- for recessed TORX® screws
- with hollow tip (TORX® Tamper Resistant)
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ <sub>T</sub> g
48560006 *	T6	50	145	45
48560007	T7	50	145	37
48560008	T8	60	155	39
48560009	T9	60	155	50
48560010	T10	80	175	26
48560015	T15	80	175	52
48560020	T20	100	215	32
48560025	T25	100	215	55
48560027	T27	115	230	58
48560030	T30	115	230	63
48560040	T40	115	240	86

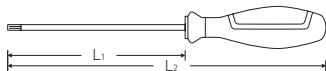
\* without hole

### 4636



#### TORQ-SET® screwdrivers DRALL®

- for TORQ-SET® screws
- with hex shaft
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated



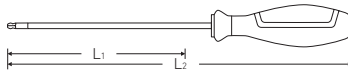
Product no.	Size	∅ <sub>T</sub> "	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ <sub>T</sub> g
46363002	TQ2	1/4	100	215	92
46363004	TQ4	1/4	100	215	93
46363006	TQ6	1/4	100	215	93
46363008	TQ8	1/4	100	215	93
46363010	TQ10	1/4	100	215	93
46363016	TQ1/4"	5/16	150	265	138

### 10507N KK



#### Hex ball-ended screwdrivers DRALL®

- for hex socket screws
- pivoting angle of up to 25° to each side
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated



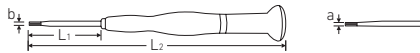
Product no.	∅ <sub>T</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ <sub>T</sub> g
73103003	3	300	385	56
73103005	5	300	415	132

### 4753

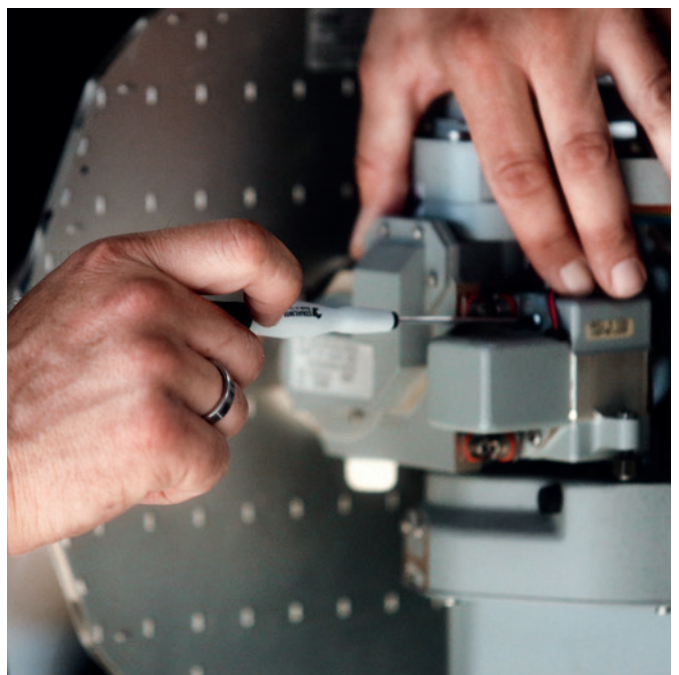


#### Electronic hex screwdrivers

- for hex socket screws
- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking



Product no.	∅ <sub>T</sub> mm	∅ <sub>T</sub> "	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ <sub>T</sub> g
47533007	0.7	0,028	40	140	12
47533009	0.9	0,035	40	140	12
47533013	1.3	0,05	40	140	12
47533015	1.5	0,059	50	150	12

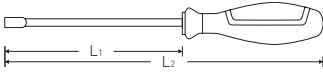


## 12500N



## Nut spinners DRALL+

- hex profile
- 3-component handle with laser marking
- Chrome Alloy Steel, chrome-plated
- DIN 3125



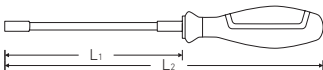
Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43093004	4	6.9	125	230	58
43093045	4.5	7.5	125	230	49
43093005	5	8.2	125	230	58
43093055	5.5	8.8	125	230	58
43093006	6	9.4	125	240	98
43093007	7	11	125	240	114
43093008	8	12.2	125	240	115
43093009	9	13.5	125	240	118
43093010	10	14.7	125	240	122
43093011	11	16	125	250	160
43093012	12	17.2	125	250	168
43093013	13	18.5	125	250	170

## 12506



## Nut spinners DRALL+

- hex profile
- with flexible shaft
- max. torque 8 N·m
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated



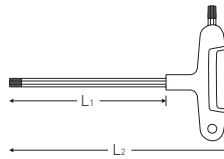
Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43103206	6	11	175	290	167
43103207	7	11	175	290	168
43103208	8	11	175	290	170

## 10768



## Hex screwdrivers

- for hex socket screws
- with 2 outputs
- black tip
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated



Product no.	□ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43253020	2	100	125	33
43253025	2.5	100	125	42
43253030	3	150	174	42
43253040	4	150	176	50
43253050	5	200	227	73
43253060	6	200	228	92
43253080	8	200	235	178
43253100	10	200	235	247



**MADE IN GERMANY**

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

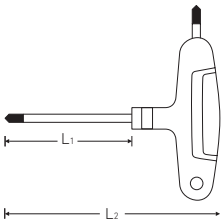
## Screwdrivers and bit tools

### 10769



#### TORX® screwdrivers

- for recessed TORX® screws
- with 2 outputs
- black tip
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated



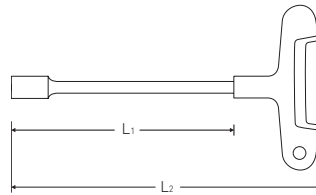
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø g
43293008	T8	80	96	12
43293009	T9	80	96	13
43293010	T10	100	116	14
43293015	T15	100	116	16
43293020	T20	100	125	36
43293025	T25	110	135	41
43293027	T27	110	135	49
43293030	T30	130	155	59
43293040	T40	130	165	102
43293045	T45	130	165	119
43293050	T50	130	165	137

### 12507



#### Nut spinners

- hex profile
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated

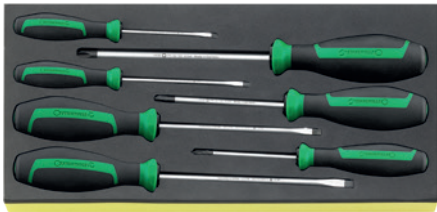


Product no.	Ø mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Ø g
43233060	6	175	224	83
43233070	7	175	234	115
43233080	8	175	234	135
43233090	9	175	234	137
43233100	10	175	234	160
43233110	11	175	240	169
43233120	12	175	240	171
43233130	13	175	240	176



## SCREWDRIVER SETS

### TCS 4620/4630/7



#### Screwdriver set DRALL+

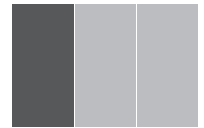
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

- 4 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838278	350	175	40	1/3	7	590

### TCS 4620-4734/8



#### Screwdriver set DRALL+

- black tip
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 8-pieces:

- 3 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 PH cross-head screwdrivers **No. 4630**: PH1; PH2
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838769	350	175	35	1/3	8	503

### TCS 4620/4640



#### Screwdriver set DRALL+

- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

- 4 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 3 PZ cross-head screwdrivers **No. 4640**: PZ1; PZ2; PZ3

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838784	350	175	35	1/3	7	410

### TCS 4620/4660 VDE/10767



#### Screwdriver set DRALL+

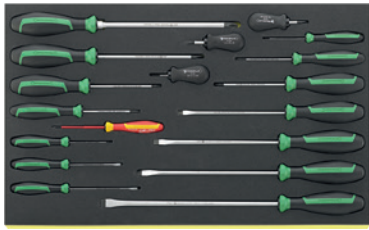
- Chrome Alloy Steel
- safely integrated in the modular Tool Control System (TCS)

#### Contains 27-pieces:

- 6 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175; 1.6 x 10.0 x 200; 2.0 x 12.0 x 200 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 PH cross-head screwdriver **No. 4632**: PH4
- 3 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2
- 1 VDE slotted screwdriver **No. 4660 VDE**: 0.4 x 2.5 x 75 mm
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 PZ cross-head screwdriver **No. 4744**: PZ1
- 1 hex L-Key set **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96831168	350	530	90	3/3	27	2200

## TCS 4620/4660 VDE



### Screwdriver set DRALL+

- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

- 6 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175; 1.6 x 10.0 x 200; 2.0 x 12.0 x 200 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 PH cross-head screwdriver **No. 4632**: PH4
- 3 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2
- 1 VDE slotted screwdriver **No. 4660 VDE**: 0.4 x 2.5 x 75 mm
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 PZ cross-head screwdriver **No. 4744**: PZ1

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96831179	350	530	90	3/3	18	1689

## TCS 4621/4734/16



### Screwdriver set DRALL+

- safely integrated in the modular Tool Control System (TCS)

#### Contains 16-pieces:

- 5 slotted screwdrivers **No. 4621**: 0.4 x 2.5 x 80; 0.5 x 3.5 x 90; 0.6 x 4.0 x 100; 1.0 x 6.5 x 140; 1.2 x 8.0 x 160 mm
- 2 PH cross-head screwdrivers **No. 4631**: PH1; PH2
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 slotted screwdriver **No. 10506**: 0.8 x 4.0 x 300 mm
- 1 slotted screwdriver **No. 10518**: 1.0 x 5.5 x 410 mm
- 1 magnet lifter **No. 12600**: 500 g
- 1 claw gripper **No. 12922**: Ø 6 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96832098	350	530	40	3/3	16	1490

## TCS 4622-4632/4650/10760/10766/20



### Screwdriver set DRALL+

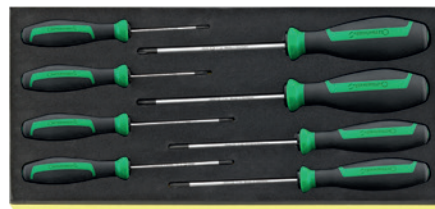
- Chrome Alloy Steel
- safely integrated in the modular Tool Control System (TCS)

#### Contains 35-pieces:

- 4 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.6 x 10.0 x 175; 2.0 x 12.0 x 200 mm
- 1 PH cross-head screwdriver **No. 4630**: PH1
- 1 PH cross-head screwdriver **No. 4632**: PH3
- 10 TORX® screwdrivers **No. 4650**: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 hex L-Key set **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 TORX® L-Key set **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96831196	350	530	90	3/3	35	1895

## TCS 4650



### TORX® screwdriver set DRALL+

- for recessed TORX® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 8-pieces:

- 8 TORX® screwdrivers **No. 4650**: T8; T9; T10; T15; T20; T25; T27; T30

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96838767	350	175	35	1/3	8	340

## TCS 4820/4830



### Screwdriver set 3K DRALL®

- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

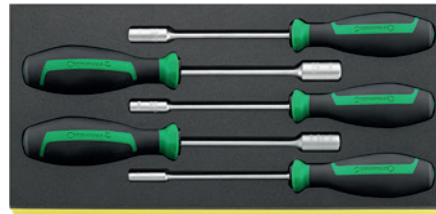
#### Contains 7-pieces:

4 slotted screwdrivers **No. 4820**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm

3 PH cross-head screwdrivers **No. 4830**: PH1; PH2; PH3

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96838184	350	175	90	1/3	7	555

## TCS 12500N/5



### Nut spinner set DRALL+

- hex profile
- 3-component handle with laser marking
- Chrome Alloy Steel, chrome-plated
- DIN 3125
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 nut spinners **No. 12500N**: 7; 8; 10; 12; 13 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96838757	350	175	45	1/3	5	730

## TCS 4724/4840/10767



### Screwdriver set

- safely integrated in the modular Tool Control System (TCS)

#### Contains 24-pieces:

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm

1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm

1 PH cross-head screwdriver **No. 4734**: PH2

1 PZ cross-head screwdriver **No. 4744**: PZ1

5 slotted screwdrivers **No. 4820**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100;

1.2 x 6.5 x 150; 1.6 x 10.0 x 200; 2.0 x 12.0 x 250 mm

3 PH cross-head screwdrivers **No. 4830**: PH1; PH2; PH3

1 PZ cross-head screwdriver **No. 4840**: PZ1

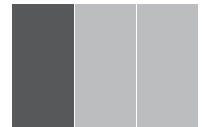
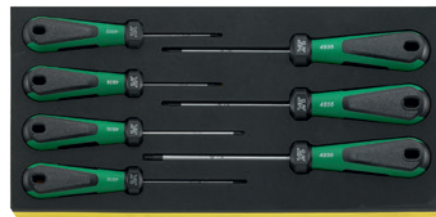
1 automotive voltage tester **No. 7756**

1 hex L-Key set **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

1 claw gripper **No. 12922**: Ø 6 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96830706	350	530	35	3/3	24	1755

## TCS 4856



### TORX® screwdriver set 3K DRALL®

- for recessed TORX® screws
- with hollow tip (TORX® Tamper Resistant)
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

7 TORX® screwdrivers with hole **No. 4856**: T8; T9; T10; T15; T20; T25; T30

Product no.	L mm	W mm	H mm	Size	Content pcs.	± g
96838755	350	175	40	1/3	7	447

## TCS 10768/6



### Hex screwdriver set

- for hex socket screws
- with 2 outputs
- black tip
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

6 hex screwdrivers **No. 10768**: 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838753	350	350	40	2/3	6	792

## TCS 10769/10771/10



### TORX® screwdriver set

- for recessed TORX® screws
- with 2-component T-handle
- Chrome Alloy Steel
- safely integrated in the modular Tool Control System (TCS)

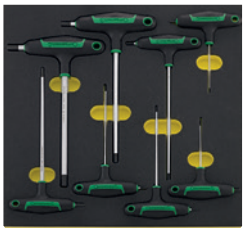
#### Contains 17-pieces:

9 TORX® screwdrivers with T-handle **No. 10769**: T9; T10; T15; T20; T25; T30; T40; T45; T50

1 TORX® L-Key set **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96832099	350	350	30	2/3	17	940

## TCS 10768/8



### Hex screwdriver set

- for hex socket screws
- with two outputs
- black tip
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 8-pieces:

8 hex screwdrivers **No. 10768**: 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838786	350	350	40	2/3	8	800

## TCS 12507/5



### Nut spinner set

- hex profile
- with 2-component T-handle
- Chrome Alloy Steel, matt chrome-plated
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 nut spinners **No. 12507**: 7; 8; 10; 12; 13 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838761	350	350	65	2/3	5	792



### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, workshop trolleys and workshop benches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

## 4691/7

**Screwdriver set DRALL+**

- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

**Contains 7-pieces:**

4 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm

2 PH cross-head screwdrivers **No. 4630**: PH1; PH2

Product no.	Content pcs.	g
96469115	7	580

## 4693/9

**Screwdriver set DRALL+**

- black tip
- Chrome Alloy Steel, matt chrome-plated

**Contains 9-pieces:**

4 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.2 x 8.0 x 150; 1.6 x 10.0 x 175 mm

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm

2 PH cross-head screwdrivers **No. 4632**: PH1; PH2

1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm

1 PH cross-head screwdriver **No. 4734**: PH2

Product no.	Content pcs.	g
96469316	9	1020

## 4692/8

**Screwdriver set DRALL+**

- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

**Contains 8-pieces:**

5 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm

3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3

Product no.	Content pcs.	g
96469215	8	840

## 4696SK/6

**Screwdriver set DRALL+**

- with impact cap
- with hex shank profile
- black tip
- with 3-component handle
- Chrome Alloy Steel, matt chrome-plated

**Contains 6-pieces:**

4 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90; 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.2 x 8.0 x 150 mm

2 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2

Product no.	Content pcs.	g
96469625	6	870

## 4694/9



### TORX® screwdriver set DRALL+

- for recessed TORX® screws
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

#### Contains 9-pieces:

9 TORX® screwdrivers **No. 4650**: T8; T9; T10; T15; T20; T25; T27; T30; T40

Product no.	Content pcs.	g
96469415	9	730

## 4699/9



### TORX® screwdriver set DRALL+

- for recessed TORX® screws
- with hollow tip (TORX® Tamper Resistant)
- black tip
- 3-component handle with laser marking
- Chrome Alloy Steel, matt chrome-plated

#### Contains 9-pieces:

9 TORX® screwdrivers with hollow tip **No. 4656**: T8; T9; T10; T15; T20; T25; T27; T30; T40

Product no.	Content pcs.	g
96469915	9	740

## 4891



### Screwdriver set 3K DRALL®

- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated

#### Contains 6-pieces:

4 slotted screwdrivers **No. 4820**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm  
 2 PHILLIPS® screwdrivers **No. 4830**: PH1; PH2

Product no.	Content pcs.	g
96489110	6	530



TOOLS THAT  
**... inspire**

4892

**Screwdriver set 3K DRALL®**

- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated

**Contains 8-pieces:**5 slotted screwdrivers **No. 4820:** 0.6 x 3.5 x 75; 0.8 x 4.0 x 100;

1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm

3 PH cross-head screwdrivers **No. 4830:** PH1; PH2; PH3

Product no.	Content pcs.	△ g
96489210	8	745

4899

**TORX® screwdriver set 3K DRALL®**

- for recessed TORX® screws
- with hollow tip (TORX® Tamper Resistant)
- black tip
- 3-component handle with non-slip fibre coating and hanging hole
- Chrome Alloy Steel, matt chrome-plated

**Contains 9-pieces:**9 TORX® screwdrivers with hole **No. 4856:** T8; T9; T10; T15; T20;

T25; T27; T30; T40

Product no.	Content pcs.	△ g
96489910	9	513

4797

**Electronic screwdriver set**

- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking
- in roll-up tool pouch with hook-and-loop fastener made of polyester
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 7-pieces:**4 electronic slotted screwdrivers **No. 4751:** 0.3 x 1.5 x 40;

0.4 x 2.0 x 60; 0.4 x 2.5 x 75; 0.5 x 3.0 x 75 mm

3 electronic PH cross-head screwdrivers **No. 4752:** PH00; PH0; PH1

Product no.	Content pcs.	△ g
96479715	7	234

4754/7

**Electronic TORX® screwdriver set**

- for recessed TORX® screws
- rotating cap with ergonomic recess
- narrow, practical, fast rotating handle
- with laser marking
- in roll-up tool pouch with hook-and-loop fastener closure made of polyester
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 7-pieces:**7 electronic TORX® screwdrivers **No. 4754:** T4; T5; T6; T7; T8; T9;

T10

Product no.	Content pcs.	△ g
96479716	7	262

5

Screwdrivers and bit tools

4798



Reversible screwdriver set

- in roll-up tool pouch with hook-and-loop fastener made of polyester
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

Contains 12-pieces:

- 1 reversible handle (3-component)
- 2 reversible slotted blades: 0.6 x 3.5; 0.8 x 4.0; 1.0 x 5.5; 1.2 x 6.5 mm
- 1 reversible PH cross-head blade: PH1; PH2
- 1 reversible PZ cross-head blade: PZ1; PZ2
- 2 reversible hex blades: 3; 4; 5; 6 mm
- 2 reversible hex blades: 3; 4; 5; 6 mm (ball-ended)
- 3 reversible TORX® blades: T10; T15; T20; T25; T30; T40

Product no.	Content pcs.	⚖ g
96479803	12	745

TCS 4620/4640/4734/10554/8



Screwdriver set

- safely integrated in the modular Tool Control System (TCS)

Contains 8-pieces:

- 1 slotted screwdriver **No. 4620**: 1.0 x 5.5 x 125 mm
- 4 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2; PZ3
- 2 PH cross-head screwdrivers **No. 4734**: PH1; PH2
- 1 voltage tester **No. 10554**: 125-250 V

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖ g
96830275	350	175	40	1/3	8	678

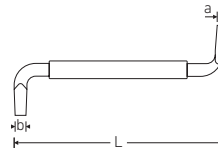
L-KEYS.

10546



Slotted offset screwdrivers

- for slotted screws
- Chrome Alloy Steel, nickel-plated
- Made in Germany
- DIN 5200



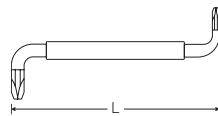
Product no.	Size	L mm	a mm	b mm	⚖ g
73273001	1	90	0.6	3.5	9
73273002	2	100	0.8	4	12
73273003	3	125	1	5.5	29
73273004	4	150	1.2	8	69

10551



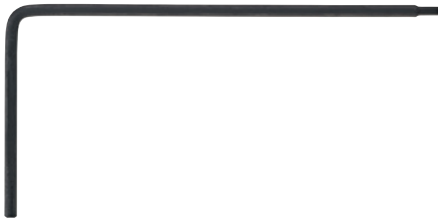
PH cross-head offset screwdrivers

- for PHILLIPS® screws
- Chrome Alloy Steel, nickel-plated
- Made in Germany
- DIN 5208

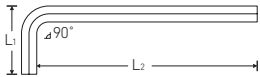


Product no.	Size	L mm	⚖ g
73282001	PH1; PH2	100	29
73282002	PH3; PH4	150	73

## 10759

**HI-LOK™ L-Keys**

- for **metric** hex socket screws
- with hex tip for ratchet No. 415SGH N
- with round shaft for locking the retaining ball



Product no.	Size	⌀ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
43062002	1	2	50	100	5
43064002	2	2	100	100	8

## 10759a

**HI-LOK™ L-Keys**

- for **inch** hex socket screws
- with hex tip for ratchet No. 415SGH N
- with round shaft for locking the retaining ball

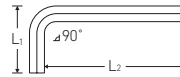


Product no.	Size	⌀ "	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
43560004	1	1/16	50	50	5
43560005	1	5/64	50	50	5
43560006	1	3/32	50	50	5
43564004	2	1/16	50	100	8
43564005	2	5/64	50	100	8
43564006	2	3/32	50	100	8

## 10760

**Hex L-Keys**

- for **metric** hex socket screws
- Chrome Alloy Steel, nickel-plated (0.9 mm gunmetal finish)
- DIN ISO 2936



Product no.	⌀ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△ g
43153090	0,9	11	33	5
43153130	1,3	13	41	7
43153150	1,5	15,5	46,5	1
43153002	2	18	52	2
43153250	2,5	20,5	58,5	4
43153003	3	23	66	5
43153004	4	29	74	10
43153005	5	33	85	18
43153006	6	38	96	30
43153007	7	41	102	43
43153008	8	44	108	59
43153010	10	50	122	103
43153012	12	57	137	169
43153014	14	70	154	261
43153017	17	80	177	442
43153019	19	89	199	603
43153022	22	102	222	895
43153024	24	114	248	1220
43153027	27	127	277	1692

## 10760/8

**Hex L-Key set**

- for **metric** hex socket screws
- Chrome Alloy Steel, nickel-plated
- DIN ISO 2936
- sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 8-pieces:**

8 hex L-Keys **No. 10760**: 3; 4; 5; 6; 8; 10; 12; 14 mm

Product no.	Content pcs.	△ g
96435505	8	708

## 10760/9



### Hex L-Key set

- for **metric** hex socket screws
- Chrome Alloy Steel, nickel-plated
- DIN ISO 2936
- in a labelled plastic holder for quicker identification

#### Contains 9-pieces:

9 hex L-Keys No. **10760**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

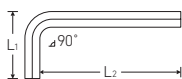
Product no.	Content pcs.	g
96431500	9	244

## 10760a



### Hex L-Keys

- for **inch** hex socket screws
- Chrome Alloy Steel, nickel-plated



Product no.	"	L <sub>1</sub> mm	L <sub>2</sub> mm	g
43553003	<sup>3</sup> / <sub>64</sub>	13	41	1
43553004	<sup>1</sup> / <sub>16</sub>	16	47	1
43553005	<sup>5</sup> / <sub>64</sub>	18	52	2
43553006	<sup>3</sup> / <sub>32</sub>	20	58	3
43553008	<sup>1</sup> / <sub>8</sub>	23	66	5
43553009	<sup>9</sup> / <sub>64</sub>	26	72	7
43553010	<sup>5</sup> / <sub>32</sub>	29	74	10
43553012	<sup>3</sup> / <sub>16</sub>	33	85	15
43553014	<sup>7</sup> / <sub>32</sub>	36	91	23
43553016	<sup>1</sup> / <sub>4</sub>	38	96	32
43553020	<sup>5</sup> / <sub>16</sub>	44	108	59
43553024	<sup>3</sup> / <sub>8</sub>	50	122	75
43553032	<sup>1</sup> / <sub>2</sub>	63	145	201
43553036	<sup>5</sup> / <sub>8</sub>	76	176	380

## 10760a/8



### Hex L-Key set

- for **inch** hex socket screws
- Chrome Alloy Steel, nickel-plated
- sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 8-pieces:

8 hex L-Keys No. **10760a**: <sup>3</sup>/<sub>32</sub>; <sup>1</sup>/<sub>8</sub>; <sup>5</sup>/<sub>32</sub>; <sup>3</sup>/<sub>16</sub>; <sup>7</sup>/<sub>32</sub>; <sup>1</sup>/<sub>4</sub>; <sup>3</sup>/<sub>8</sub>"

Product no.	Content pcs.	g
96435506	8	300

## 10760a/9



### Hex L-Key set

- for **inch** hex socket screws
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

#### Contains 9-pieces:

9 hex L-Keys No. **10760a**: <sup>1</sup>/<sub>16</sub>; <sup>5</sup>/<sub>64</sub>; <sup>3</sup>/<sub>32</sub>; <sup>1</sup>/<sub>8</sub>; <sup>5</sup>/<sub>32</sub>; <sup>3</sup>/<sub>16</sub>; <sup>1</sup>/<sub>4</sub>; <sup>5</sup>/<sub>16</sub>; <sup>3</sup>/<sub>8</sub>"

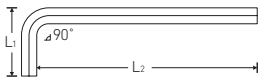
Product no.	Content pcs.	g
96435500	9	234



## 10765

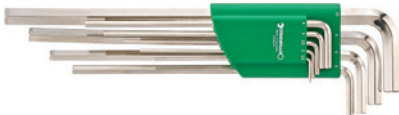
**Hex L-Keys**

- extra long design
- for **metric** hex socket screws
- Chrome Alloy Steel, nickel-plated
- DIN ISO 2936



Product no.	⌀ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43213015	1.5	15.5	91.5	3
43213002	2	18	102	3
43213025	2.5	20.5	114.5	5
43213003	3	23	129	9
43213004	4	29	144	20
43213005	5	33	165	31
43213006	6	38	186	50
43213007	7	41	197	74
43213008	8	44	208	100
43213010	10	50	234	179
43213012	12	57	262	287
43213014	14	70	294	440
43213017	17	80	337	742
43213019	19	89	379	1048

## 10765/9

**Hex L-Key set**

- extra long design
- for **metric** hex socket screws
- Chrome Alloy Steel, nickel-plated
- DIN ISO 2936
- in a labelled plastic holder for quicker identification

**Contains 9-pieces:**

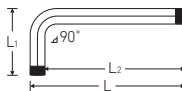
9 hex L-Keys **No. 10765**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	Content pcs.	△△ g
96432100	9	120

## 10766

**TORX® L-Keys**

- for recessed TORX® screws
- Chrome Alloy Steel, nickel-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43223009	T9	19	59	3
43223010	T10	20	65	3
43223015	T15	20.5	75.5	5
43223020	T20	22	87	7
43223025	T25	22.5	94.5	9
43223027	T27	25.5	105.5	15
43223030	T30	30	76	20
43223040	T40	33	119	29

## 10766/8

**TORX® L-Key set**

- for recessed TORX® screws
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

**Contains 8-pieces:**

8 TORX® L-Keys **No. 10766**: T9; T10; T15; T20; T25; T27; T30; T40

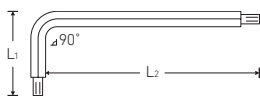
Product no.	Content pcs.	△△ g
96432200	8	146

## 10771



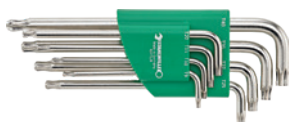
### TORX® ball-ended L-Keys

- for recessed TORX® screws
- ball-ended at the long end of the shaft
- pivoting angle of up to 25° to each side
- Chrome Alloy Steel, nickel-plated



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43273009	T9	19	67	4
43273010	T10	20	76	10
43273015	T15	20.5	86.5	10
43273020	T20	22	98	20
43273025	T25	22.5	100.5	24
43273027	T27	22.5	111.5	28
43273030	T30	30	125	30
43273040	T40	33	139	35

## 10771/8



### TORX® ball-ended L-Key set

- for recessed TORX® screws
- ball-ended at the long end of the shaft
- pivoting angle of up to 25° to each side
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

#### Contains 8-pieces:

8 TORX® L-Keys **No. 10771:** T9; T10; T15; T20; T25; T27; T30; T40

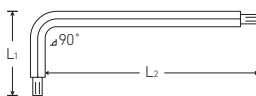
Product no.	Content pcs.	△△ g
96432700	8	278

## 10767



### Hex ball-ended L-Keys

- for metric hex socket screws
- ball-ended at the long end of the shaft
- pivoting angle of up to 25° to each side
- Chrome Alloy Steel, nickel-plated



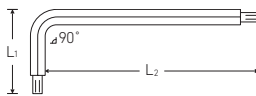
Product no.	⊙ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43263130	1.3	13	81	1
43263015	1.5	15.5	91.5	2
43263002	2	18	102	3
43263025	2.5	20.5	114.5	5
43263003	3	23	129	8
43263004	4	29	144	17
43263005	5	33	165	30
43263006	6	38	186	50
43263008	8	44	208	99
43263010	10	50	234	175
43263012	12	57	262	280

## 10767a



### Hex ball-ended L-Keys

- for inch hex socket screws
- ball-ended at the long end of the shaft
- pivoting angle of up to 25° to each side
- Chrome Alloy Steel, nickel-plated

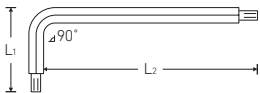


Product no.	⊙ "	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
43573004	1/16	16	92	2
43573005	5/64	18	102	4
43573006	3/32	20	114	5
43573007	7/64	23	129	8
43573008	1/8	23	129	10
43573009	9/64	26	140	13
43573010	5/32	29	144	17
43573012	3/16	33	165	26
43573014	7/32	36	176	39
43573016	1/4	38	186	60
43573020	5/16	44	208	100
43573024	3/8	50	234	157

## 10767H

**Hex ball-ended L-Keys**

- for **metric** hex socket screws
- ball-ended and retaining ring on the long end of the shaft
- pivoting angle of up to 25° to each side
- to work quickly and safely even in hard-to-reach places
- attached screws are held reliably in place
- Chrome Alloy Steel, nickel-plated



Product no.	⌀ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	⊘ g
46233003	3	23	129	8
46233004	4	29	144	17
46233005	5	33	165	30
46233006	6	38	186	50
46233008	8	44	208	100
46233010	10	50	234	175

## 10767H/9

**Hex ball-ended L-Key set**

- for **metric** hex socket screws
- ball-ended and retaining ring on the long end of the shaft
- pivoting angle of up to 25° to each side
- to work quickly and safely even in hard-to-reach places
- attached screws are held reliably in place
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

**Contains 9-pieces:**

9 hex L-Keys **No. 10767H**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	Content pcs.	⊘ g
96432603	9	290

## 10767/9

**Hex ball-ended L-Key set**

- for **metric** hex socket screws
- ball-ended on the long end of the shaft
- pivoting angle of up to 25° to each side
- to work quickly and safely even in hard-to-reach places
- attached screws are held reliably in place
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

**Contains 9-pieces:**

9 hex L-Keys **No. 10767**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	Content pcs.	⊘ g
96432600	9	401

## 10767a/13

**Hex ball-ended L-Key set**

- for **inch** hex socket screws
- ball-ended on the long end of the shaft
- pivoting angle of up to 25° to each side
- to work quickly and safely even in hard-to-reach places
- attached screws are held reliably in place
- Chrome Alloy Steel, nickel-plated
- in a labelled plastic holder for quicker identification

**Contains 13-pieces:**

13 hex L-Keys **No. 10767a**: 0.05; <sup>1</sup>/<sub>16</sub>; <sup>5</sup>/<sub>64</sub>; <sup>3</sup>/<sub>32</sub>; <sup>7</sup>/<sub>64</sub>; <sup>1</sup>/<sub>8</sub>; <sup>9</sup>/<sub>64</sub>; <sup>5</sup>/<sub>32</sub>; <sup>3</sup>/<sub>16</sub>; <sup>7</sup>/<sub>32</sub>; <sup>1</sup>/<sub>4</sub>; <sup>5</sup>/<sub>16</sub>; <sup>3</sup>/<sub>8</sub>"

Product no.	Content pcs.	⊘ g
96435700	13	280

## L-KEY SETS IN TCS.

### TCS 10760-10771/26



#### L-Key set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 26-pieces:

- 1 hex L-Key set **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 hex ball-ended L-Key set **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 TORX® L-Key set **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838788	350	175	35	1/3	26	1000

### TCS 1202/4000/10766/39



#### L-Key bit set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 39-pieces:

- 1 bit box **No. 1202**: 1 bit holder | SL0.6 x 3.5; 0.8 x 4.0; 1.0 x 5.5; 1.2 x 6.5 mm | PH1;2; 3 | PZ1;2; 3 | T15;20;25;30 | T B020;25;30 | INHEX 4;5;6 mm | 21-pcs.
- 1 bit holder 1/4" **No. 4000**: L. 190 mm
- 1 TORX® L-Key set **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 hex ball-ended L-Key set **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838768	350	175	45	1/3	39	863



## BIT TOOLS.

### PH 1220-1223 PH 1231-1234



#### Screwdriver bits

- for PHILLIPS® screws
- external hex DIN 3126 / ISO 1173
- DIN ISO 2351-2 / ISO 8764

Product no.	Model	Size	mm	"	L mm	g
08010000	PH 1220	PH0	C 6.3	1/4	25	5
08010001	PH 1221	PH1	C 6.3	1/4	25	5
08010002	PH 1222	PH2	C 6.3	1/4	25	5
08010003	PH 1223	PH3	C 6.3	1/4	25	5
08030001	PH 1231	PH1	C 8	5/16	32	9
08030002	PH 1232	PH2	C 8	5/16	32	10
08030003	PH 1233	PH3	C 8	5/16	32	10
08030004	PH 1234	PH4	C 8	5/16	32	12

### PZ 1221-1223



#### Screwdriver bits

- for POZIDRIV® screws
- external hex DIN 3126 / ISO 1173
- ISO 8764

Product no.	Model	Size	mm	"	L mm	g
08050001	PZ 1221	PZ1	C 6.3	1/4	25	5
08050002	PZ 1222	PZ2	C 6.3	1/4	25	5
08050003	PZ 1223	PZ3	C 6.3	1/4	25	5

### 1160-1169



#### Screwdriver bits

- for slotted screws
- external hex DIN 3126 / ISO 1173
- DIN ISO 2351-1 / ISO 2380-1

Product no.	Model	a x b mm	mm	"	L mm	g
08070120	1160	0.5 x 3,0	C 6.3	1/4	25	4
08070121	1161	0.5 x 4,0	C 6.3	1/4	25	4
08070122	1162	0.6 x 3,5	C 6.3	1/4	25	4
08070123	1163	0.6 x 4,5	C 6.3	1/4	25	4
08070124	1164	0.8 x 4,0	C 6.3	1/4	25	4
08070125	1165	0.8 x 5,5	C 6.3	1/4	25	6
08070126	1166	1.0 x 5,5	C 6.3	1/4	25	4
08070130	1166/1	1.2 x 6,5	C 6.3	1/4	25	6
08070127	1167	1.2 x 8,0	C 6.3	1/4	25	6
08070128	1168	1.6 x 8,0	C 6.3	1/4	25	6
08070129	1169	1.6 x 10,0	C 6.3	1/4	25	14

### 1350-1360



#### Screwdriver bits

- for internal tri-square screws XZN®
- external hex DIN 3126 / ISO 1173
- DIN 2325 (M4, M5, M6)

Product no.	Model	Size	mm	"	L mm	g
08200004	1350	M4	C 6.3	1/4	25	4
08200010	1356	M5	C 6.3	1/4	25	5
08200011	1357	M6	C 6.3	1/4	25	5
08200012	1358	M8	C 8	5/16	28	10
08200013	1359	M10	C 8	5/16	38	15
08200014	1360	M12	C 8	5/16	38	20

### 1410-1421 1430-1435



#### Screwdriver bits

- for recessed TORX® screws
- external hex DIN 3126 / ISO 1173

Product no.	Model	Size	mm	"	L mm	g
08130006	1410	T6	C 6.3	1/4	25	5
08130007	1411	T7	C 6.3	1/4	25	5
08130008	1412	T8	C 6.3	1/4	25	5
08130009	1413	T9	C 6.3	1/4	25	5
08130010	1414	T10	C 6.3	1/4	25	5
08130015	1415	T15	C 6.3	1/4	25	5
08130020	1416	T20	C 6.3	1/4	25	5
08130025	1417	T25	C 6.3	1/4	25	6
08130027	1418	T27	C 6.3	1/4	25	6
08130030	1419	T30	C 6.3	1/4	25	6
08130040	1420	T40	C 6.3	1/4	25	7
08130045	1421	T45	C 6.3	1/4	25	8
08140027	1430	T27	C 8	5/16	35	11
08140030	1431	T30	C 8	5/16	35	11
08140040	1432	T40	C 8	5/16	35	12
08140045	1433	T45	C 8	5/16	35	14
08140050	1434	T50	C 8	5/16	35	15
08140055	1435	T55	C 8	5/16	35	20

## Screwdrivers and bit tools

### 1440-1446



#### Screwdriver bits

- with hollow tip (TORX® Tamper Resistant)
- for recessed TORX® screws
- hex head DIN 3126 / ISO 1173

Product no.	Model	Size	mm	"	L mm	g
08160010	1440	T10	C 6.3	1/4	26	6
08160015	1441	T15	C 6.3	1/4	26	6
08160020	1442	T20	C 6.3	1/4	26	6
08160025	1443	T25	C 6.3	1/4	26	6
08160027	1444	T27	C 6.3	1/4	26	6
08160030	1445	T30	C 6.3	1/4	26	6
08160040	1446	T40	C 6.3	1/4	26	7

### 1427



#### Screwdriver bit

- for recessed TORX® screws
- external hex DIN 3126 / ISO 1173

Product no.	Model	Size	mm	"	L mm	g
08131025	1427	T25	C 6.3	1/4	65	18

### 1440 IP-1446 IP



#### Screwdriver bits

- for recessed TORX PLUS® screws
- external hex DIN 3126 / ISO 1173

Product no.	Model	Size	mm	"	L mm	g
08162010	1440 IP	10IP	C 6.3	1/4	25	4
08162015	1441 IP	15IP	C 6.3	1/4	25	5
08162020	1442 IP	20IP	C 6.3	1/4	25	5
08162025	1443 IP	25IP	C 6.3	1/4	25	5
08162027	1444 IP	27IP	C 6.3	1/4	25	5
08162030	1445 IP	30IP	C 6.3	1/4	25	6
08162040	1446 IP	40IP	C 6.3	1/4	25	6

### 1440 TPI-1446 TPI



#### 5-star screwdriver bits

- with hollow tip
- for recessed 5-star screws with centre pins
- external hex DIN 3126 / ISO 1173

Product no.	Model	Size	mm	"	L mm	g
08161010	1440 TPI	TPI10	C 6.3	1/4	26	6
08161015	1441 TPI	TPI15	C 6.3	1/4	26	5
08161020	1442 TPI	TPI20	C 6.3	1/4	26	5
08161025	1443 TPI	TPI25	C 6.3	1/4	26	5
08161027	1444 TPI	TPI27	C 6.3	1/4	26	5
08161030	1445 TPI	TPI30	C 6.3	1/4	26	5
08161040	1446 TPI	TPI40	C 6.3	1/4	26	7

### 1300-1304



#### Screwdriver bits

- for hex socket screws
- external hex DIN 3126 / ISO 1173
- DIN ISO 2351-3 / ISO 2936

Product no.	Model	Size	mm	"	L mm	g
08090003	1300	3 mm	C 6.3	1/4	25	4
08090004	1301	4 mm	C 6.3	1/4	25	5
08090005	1302	5 mm	C 6.3	1/4	25	6
08090006	1303	6 mm	C 6.3	1/4	25	6
08090008	1304	8 mm	C 6.3	1/4	30	11

### 1299



#### Screwdriver bit

- for hex socket screws
- to operate the adjustment screws on torque wrenches No. 720, 721, 721 Quick, 730, 730 Quick, 730N, 730 Fix
- external hex DIN 3126/ISO 1173

Product no.	Size mm	mm	"	L mm	g
08090002	2	C 6.3	1/4	34	4

## 13008



## Screwdriver bits

- for TRI-WING® screws
- external hex DIN 3126 / ISO 1173

Product no.	Size	mm	"	L mm	△△ g
08250000	0.0	C 6.3	1/4	25	5
08250001	1	C 6.3	1/4	25	5
08250002	2	C 6.3	1/4	25	5
08250003	3	C 6.3	1/4	25	5
08250004	4	C 6.3	1/4	25	5
08250005	5	C 6.3	1/4	25	5
08250006	6	C 6.3	1/4	25	8

## 13010



## Screwdriver bits

- for TORQ-SET® screws
- external hex DIN 3126 / ISO 1173

Product no.	Size	mm	"	L mm	△△ g
08260000	TQ0	C 6,3	1/4	25	5
08260001	TQ1	C 6,3	1/4	25	5
08260002	TQ2	C 6,3	1/4	25	5
08260003	TQ3	C 6,3	1/4	25	5
08260004	TQ4	C 6,3	1/4	25	5
08260005	TQ5	C 6,3	1/4	25	5
08260006	TQ6	C 6,3	1/4	25	5
08260008	TQ8	C 6,3	1/4	25	5
08260010	TQ10	C 6,3	1/4	25	5
08260016	1/4	C 8	5/16	32	9
08260020	5/16	C 8	5/16	32	11
08260024	3/8	C 8	5/16	32	11



## 1202



## Bit box

- storage case with 20 bits for slotted, hex, TORX®, PHILLIPS® and POZIDRIV® screws
- self-locking magnetic bit holder with quick-change function
- in a compact, durable storage box
- transparent lid allows the user to check the contents at a glance
- with hex head for quick use

## Contains 21-pieces:

- 1 bit holder with quick-change chuck and magnet
- 3 bits PHILLIPS®: PH1; PH2; PH3
- 3 bits POZIDRIV®: PZ1; PZ2; PZ3
- 4 bits slotted: 0.6 x 3.5; 0.8 x 4.0; 1.0 x 5.5; 1.2 x 6.5 mm
- 4 bits TORX®: T15; T20; T25; T30
- 3 bits TORX® with hole: T20; T25; T30
- 3 bits INHEX: 4; 5; 6 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96080110	120	60	33	21	222

## 1203



## Bit box

- storage case with 10 bits for hex, PHILLIPS® and POZIDRIV® screws
- compact: many tools - little space required
- including practical stand function

## Contains 11-pieces:

- 1 bit holder with quick-change chuck and magnet
- 3 bits PHILLIPS®: PH1; PH2; PH3
- 3 bits POZIDRIV®: PZ1; PZ2; PZ3
- 4 bits INHEX: 3; 4; 5; 6 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96080115	100	60	12	11	110

## 1204/8



### 5-star bit box

— storage case with 7 bits for internal 5-star screws and bit holder

#### Contains 8-pieces:

1 bit holder **No. 412**: L. 25 mm

7 bits with hollow tip 5-star: TPI10; TPI15; TPI20; TPI25; TPI27; TPI30; TPI40

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96081113	100	81	31	8	104

## 1204/21-1



### Bit box

— storage case with 20 bits for TORX®, hex, PHILLIPS® and POZIDRIV® screws

#### Contains 21-pieces:

1 bit holder with quick-change chuck and magnet

4 bits PHILLIPS®: PH1; PH2 (2x); PH3

4 bits POZIDRIV®: PZ1; PZ2 (2x); PZ3

6 bits TORX®: T10; T15; T20 (2x); T25 (2x); T27; T30; T40

3 bits INHEX: 4; 5; 6 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96080121	100	81	31	21	186

## 1204/21-2



### Bit box

— storage container with 20 bits for slotted, TORX®, TORQ-SET®, hex, PHILLIPS® screws

#### Contains 21-pieces:

1 bit holder with quick-change chuck and magnet

3 bits PHILLIPS®: PH1; PH2; PH3

4 bits slotted: 0.5 x 4.0; 0.6 x 4.5; 0.8 x 5.5; 1.2 x 6.5 mm

6 bits TORX®: T10; T15; T20; T25; T30; T40

3 bits INHEX: 4; 5; 6 mm

4 bits TORQ-SET®: 4; 6; 8; 10

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96080122	100	82	32	21	181

## 1206



### Bit box

— with colour marking

— robust box with transparent lid with bits for slotted, TORX®, hex, PHILLIPS® and POZIDRIV® screws

— 1/4" external hex drive according to DIN 3126 / ISO 1173

#### Contains 56-pieces:

1 bit holder with quick-change chuck with magnet

3 bits slotted: 4; 5; 6 mm (2x each), L. 25 mm

3 bits PHILLIPS®: PH1; PH2; PH3 (3x each), L. 25 mm

3 bits POZIDRIV®: PZ1; PZ2; PZ3 (3x each), L. 25 mm

7 bits TORX®: T10; T15; T20; T25; T27; T30; T40 (2x each), L. 25 mm

7 bits TORX® with hole: T10; T15; T20; T25; T27; T30; T40, L. 25 mm

3 bits INHEX: 3; 4; 5 mm, L. 25 mm

1 bit slotted: 6 mm, L. 75 mm

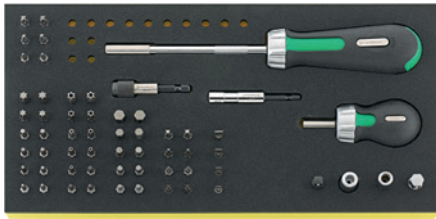
2 bits PHILLIPS®: PH2; PH3, L. 75 mm

2 bits POZIDRIV®: PZ1; PZ2, L. 75 mm

2 bits TORX®: T20; T25, L. 75 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96080156	128	100	37	56	490

## TCS 4008/8/52



### Bit ratchet screwdriver set

— safely integrated in the modular Tool Control System (TCS)

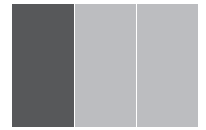
#### Contains 60-pieces:

- 1 bit holder 1/4" No. 412: L. 25 mm
- 1 bit holder 1/4" No. 412/1: L. 20 mm
- 1 bit holder 3/8" No. 442: L. 32 mm
- 1 bit holder 1/4" No. 1200/1: L. 72 mm
- 1 bit quick-change holder 1/4" No. 3825/1: L. 62 mm
- 1 bit adaptor, manual 1/4" No. 3116: L. 25 mm
- 2 bit ratchet screwdrivers 1/4" No. 4008: L. 95; 250 mm
- 10 bits INHEX No. 1300: 3 mm (2x); 4 mm (2x); 5 mm (2x); 6 mm (2x); 8 mm (2x)
- 8 bits PHILLIPS® 1/4" No. PH 1220-1223: PH0 (2x); PH1 (2x); PH2 (2x); PH3 (2x)
- 6 bits POZIDRIV® 1/4" No. PZ 1221-1223: PZ1 (2x); PZ2 (2x); PZ3 (2x)
- 12 bits TORX® 1/4" No. 1414-1420: T10 (2x); T15 (2x); T20 (2x); T25 (2x); T30 (2x); T40 (2x)
- 12 bits TORX® with hole 1/4" No. 1440-1446: T10 (2x); T15 (2x); T20 (2x); T25 (2x); T30 (2x); T40 (2x)
- 4 bits slotted 1/4" No. 1161-1166/1: 0.5 x 4.0; 0.6 x 4.5; 0.8 x 5.5; 1.2 x 6.5 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖️ g
96838773	350	175	50	1/3	60	753



## TCS 4008/4009/1206/4



### Bit set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 59-pieces:

- 2 bit ratchet screwdrivers 1/4" No. 4008: L. 95; 250 mm
- 1 bit holder 1/4" No. 4009: L. 176 mm
- 1 bit box No. 1206: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

Product no.	L mm	W mm	H mm	Size	Content pcs.	⚖️ g
96830265	350	175	63	1/3	59	1138

## 4008/27/1R



### Bit ratchet screwdriver set

— in a sturdy, stackable ABS plastic box

#### Contains 29-pieces:

- 1 bit ratchet screwdriver 1/4" No. 4008: L. 250 mm
- 3 bits PHILLIPS® 1/4" No. PH 1221-1223: PH1; PH2; PH3
- 3 bits POZIDRIV® 1/4" No. PZ 1221-1223: PZ1; PZ2; PZ3
- 6 bits TORX® with hole 1/4" No. 1440-1446: T10; T15; T20; T25; T30; T40
- 3 bits INHEX 1/4" No. 1301-1303: 4; 5; 6 mm
- 3 bits slotted 1/4" No. 1163, 1165, 166/1: 0.6 x 4.5; 0.8 x 5.5; 1.2 x 6.5 mm
- 1 bit adaptor, manual 1/4" No. 3116: L. 25 mm
- 9 sockets with hex 1/4" No. 40: 4; 5; 5.5; 6; 7; 8; 10; 11; 13 mm

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ g
96182203	325	135	60	29	955

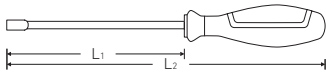
Screwdrivers and bit tools

## 4000



**Bit holder**

- for 1/4" screwdriver bits with external hex
- internal hex with collar-thrust spring
- with 3-component handle
- DIN 3126 / ISO 1173 Form C 6.3



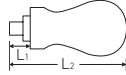
Product no.	Ø"	L1 mm	L2 mm	b mm	Δg
18073026	1/4	75	190	11	119

## 12503



**Bit holder**

- extra short version
- for 1/4" screwdriver bits with external hex
- internal hex socket with magnet
- DIN 3126 / ISO 1173 Form C 6.3



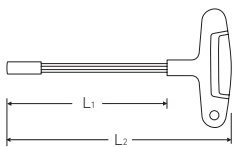
Product no.	Ø"	L1 mm	L2 mm	Δg
18110016	1/4	10	65	50

## 4009



**Bit holder**

- for 1/4" screwdriver bits with external hex
- hex socket with magnet
- with 2-component T-handle
- DIN 3126 / ISO 1173 Form C 6.3



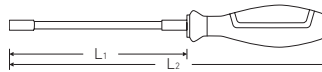
Product no.	Ø"	d mm	L1 mm	L2 mm	Δg
18093016	1/4	10	150	175	108

## 12504



**Bit holder**

- with flexible shaft
- for 1/4" screwdriver bits with external hex
- with 3-component handle
- DIN 3126 / ISO 1173 Form C 6.3



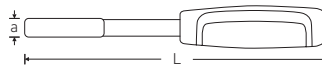
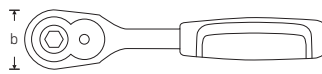
Product no.	Ø"	L1 mm	L2 mm	Δg
18103016	1/4	175	290	168

## 415B 2K



**Bit ratchet**

- reversible
- 22 teeth
- with 2-component handle
- internal 1/4" hex drive with collar-thrust spring
- for 1/4" screwdriver bits
- DIN 3126 / ISO 1173 Form D 6.3



Product no.	Ø"	∠	Number of teeth	L mm	b mm	a mm	Δg
11131011	1/4	16°	22	117	22	12	76

**MADE IN GERMANY**

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

# STAHLWILLE 1/4" BIT FINE-TOOTH MINI RATCHET – tight spaces need great tools.

# 418B



5

## Ergonomic.

The bit fine-tooth mini ratchet with steel handle fits securely and comfortably in the hand. For fatigue-free work.



## Resilient.

Unlike conventional fine-tooth ratchets, eight pairs of teeth mesh simultaneously. For maximum load-bearing capacity while also ensuring smooth running and durability.



## Compact.

With a length of only 9 cm, the bit fine-tooth mini ratchet with steel handle is the perfect companion in particularly tight installation spaces. And our fine-tooth ratchets have 80 teeth and a working angle of only 4.5°.



## Reliable.

FOD preventative. Also ideal for safety-critical sectors such as aviation, thanks to the screwless design.

## 4150B

### Spare parts set for bit ratchet

Contains 9-pieces:

- 1 pinion; 1 pawl; 1 lever with pin; 1 ball; 2 compression springs; 2 screws M 1.7 x 8; 1 cover plate

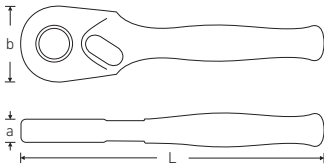
Product no.	for model	Content pcs.	△△ g
19010011	415B	9	20

## 415SGB N



### Bit fine-tooth ratchet

- reversible
- 80 teeth
- with steel handle
- internal 1/4" hex drive with collar-thrust spring
- for 1/4" screwdriver bits
- for working in tight spaces, with a working angle of just 4.5°
- FOD-preventive due to screwless design
- DIN 3126 / ISO 1173 D 6.3



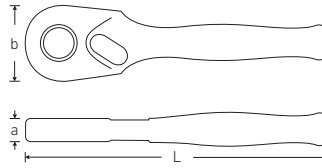
Product no.	⌀ "	∠ °	L mm	b mm	a mm	△△ g
11132020	1/4	4.5°	117	22.6	10.7	85

## 418B



### Bit fine-tooth mini ratchet

- short version
- reversible
- 80 teeth
- with steel handle
- internal 1/4" hex drive with collar-thrust spring
- for 1/4" screwdriver bits
- for working in tight spaces, with a working angle of just 4.5°
- FOD-preventive due to screwless design
- DIN 3126 / ISO 1173 Form D 6.3



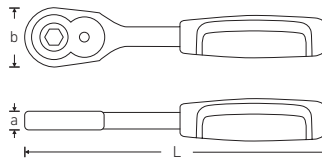
Product no.	⌀ "	∠ °	L mm	b mm	a mm	△△ g
11133030	1/4	4.5°	90	22.5	11	70

## 419B



### Bit fine-tooth ratchet

- reversible, with a push-out function
- 80 teeth
- with 2-component handle
- internal 1/4" hex drive with collar-thrust spring
- for 1/4" screwdriver bits
- for working in tight spaces, with a working angle of just 4.5°
- FOD-preventive due to screwless design
- DIN 3126 / ISO 1173 Form D 6.3



Product no.	⌀ "	∠ °	Number of teeth	L mm	b mm	a mm	△△ g
11131010	1/4	4.5°	80	115	22	16	76



## 4153B

### Spare parts set for bit ratchet

#### Contains 8-pieces:

1 locking shell; 1 switching lever; 1 cover plate; 1 compression spring; 1 bit rotary part with push-out function; 1 ball; 1 rubber ring; 1 repair and maintenance instruction

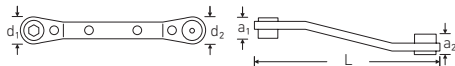
Product no.	for model	Ø"	Content pcs.	Δg
19010014	419B	1/4"	8	62

## 25B



### Ratcheting bit holder spanner

- reversible
- with magnetic holder for screwdriver bits
- angled
- chrome-plated



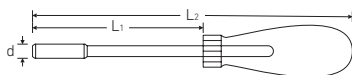
Product no.	Ø"	d1 mm	d2 mm	L mm	a1 mm	a2 mm	Δg
41541620	1/4 x 5/16	20	23	138	15	17	105

## 4008-1



### Bit ratchet screwdriver

- high load mechanism with 48 teeth (7.5° working angle)
- easy bit change with magnetic internal hex
- quick change of direction using the changeover ring (left, right and fixed)
- knurled zone for fast pre-turning of the screws
- 1/4" bits can be used with bit adaptor No. 3116 (external hex and external square 1/4")
- pop-up storage compartment for 6 bits at the end of the handle for easy access
- with 2-component handle
- for bits with external hex 1/4" DIN 3126 / ISO 1173 Form C 6.3



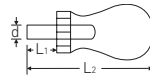
Product no.	Size	Ø"	∠°	Number of teeth	d mm	L1 mm	L2 mm	Δg
18120001	1	1/4"	7.5°	48	10	127	250	220

## 4008-2



### Bit ratchet screwdriver

- high load mechanism with 48 teeth (7.5° working angle)
- easy bit change with magnetic internal hex
- quick change of direction using the changeover ring (left, right and fixed)
- knurled zone for fast pre-turning of the screws
- 1/4" sockets can be used with bit adaptor No. 3116 (external hex and external square 1/4")
- with 2-component handle
- for bits with external hex 1/4" DIN 3126 / ISO 1173 Form C 6.3



Product no.	Size	Ø"	∠°	Number of teeth	d mm	L1 mm	L2 mm	Δg
18120002	2	1/4"	7.5°	48	10	25	95	137

## 3825/1



### Bit quick-change holder

- machine-operated bits
- for screwdriver bits with external hex 1/4"
- with quick-change chuck
- external hex drive DIN 3126 / ISO 1173 Form C 6.3

Product no.	Ø mm	Ø"	L mm	Δg
38250002	D 6.3	1/4"	62	27



## 3115



### Bit adaptor

- for connecting sockets to tools
- for torque screwdrivers No. 760 and No. 775
- for manual sockets with internal square drive 6.3 (1/4")
- square with spring-loaded ball
- steel grey, oiled surface
- external square DIN 3120 / ISO 1174-1
- external hex drive DIN 3126 / ISO 1173



Product no.	■ mm	■ "	● mm	● "	d mm	L mm	h mm	± g
31150000	A 6.3	1/4	E 6.3	1/4	8.9	50	8	16

## 3116



### Bit adaptor

- for connecting sockets to tools
- for manual sockets with internal square drive 6.3 (1/4")
- square with spring-loaded ball
- steel grey, oiled surface
- external square DIN 3120 / ISO 1174-1
- external hex drive DIN 3126 / ISO 1173

Product no.	■ mm	■ "	● mm	● "	L mm	h mm	± g
31160000	A 6.3	1/4	C 6.3	1/4	25	8	10

### MADE IN GERMANY

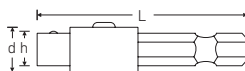
For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 3116/1QR-3316/1QR



### QuickRelease bit adaptors

- with external hex drive
- for machine-operated IMPACT sockets DIN 3129 / ISO 2725-2 with internal square DIN 3121 / ISO 1174-2
- with a larger diameter for improved contact with the IMPACT sockets
- Chrome Alloy Steel, gunmetal finish



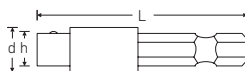
Product no.	Model	■ mm	■ "	● mm	● "	L mm	h mm	± g
31161001	3116/1QR	E 6.3	1/4	E 6.3	1/4	50	11.2	18
32161001	3216/1QR	E 10	3/8	E 6.3	1/4	50	14.6	26
33161001	3316/1QR	E 12.5	1/2	E 6.3	1/4	50	19.2	46

## 3117-3119



### Bit adaptors

- for machine-operated sockets with internal square drive 6.3 (1/4")
- steel grey, oiled surface
- external square DIN 3121 / ISO 1174-2 with spring-loaded pin
- external hex drive DIN 3126 / ISO 1173



Product no.	Model	■ mm	■ "	● mm	● "	d mm	L mm	h mm	± g
31170000	3117	E 6.3	1/4	E 6.3	1/4	8.9	50	8	16
31180000	3118	E 10	3/8	E 6.3	1/4	15.5	50	13	23
31190000	3119	E 12.5	1/2	E 6.3	1/4	18	50	15	34

## 412



### Bit holder

- internal 1/4" hex drive with collar-thrust spring
- bits are easy to insert, lock securely into place and can be easily pulled out again
- HPQ® heavy duty steel
- DIN 3126 Form D 6.3/ISO 1173 Form D 6.3

Product no.	○ "	○ mm	○ "	d mm	L mm	± g
11180010	1/4	D 6.3	1/4	11,6	25	14

## 412-1

**Bit holder**

- internal  $\frac{1}{4}$ " hex drive with collar-thrust spring
- 10 mm external hex for use in tools with 10 mm internal hex drive or internal double hex drive (e.g. FLEXI double-ended, flexi-joint spanners, flex handles, box spanner, ratcheting ring spanner, etc.)
- bits are easy to insert, lock securely into place and can be easily pulled out again
- HPQ® heavy duty steel
- DIN 3126 Form D 6.3 / ISO 1173 Form D 6.3

Product no.	"	mm	"	d mm	L mm	$\Delta$ g
11180020	$\frac{1}{4}$	D 6,3	$\frac{1}{4}$	11,6	20	11

## 442

**Bit holder**

- internal  $\frac{1}{4}$ " hex drive with collar-thrust spring
- bits are easy to insert, lock securely into place and can be easily pulled out again
- DIN 3126 Form D 6.3 / ISO 1173 Form D 6.3

Product no.	"	mm	"	d mm	L mm	$\Delta$ g
12180026	$\frac{3}{8}$	D 6,3	$\frac{1}{4}$	16,5	32	30

## 443

**Bit holder**

- internal  $\frac{5}{16}$ " hex drive with collar-thrust spring
- bits are easy to insert, lock securely into place and can be easily pulled out again
- DIN 3126 Form D 8 / ISO 1173 Form D 8

Product no.	"	mm	"	d mm	L mm	$\Delta$ g
12180030	$\frac{3}{8}$	D 8	$\frac{5}{16}$	16,5	32	39

## 543

**Bit holder**

- internal  $\frac{5}{16}$ " hex drive with collar-thrust spring
- bits are easy to insert, lock securely into place and can be easily pulled out again
- DIN 3126 Form D 8 / ISO 1173 Form D 8

Product no.	"	mm	"	d mm	L mm	$\Delta$ g
13180010	$\frac{1}{2}$	D 8	$\frac{5}{16}$	22	38	65

## 3100

**Bit holder**

- with strong magnet
- with bit holder for screwdriver bits
- chrome-plated sleeve, hex shaft in steel grey
- external hex  $\frac{1}{4}$ ", DIN 3126 / ISO 1173

Product no.	mm	"	L mm	$\Delta$ g
31000000	D 6.3	$\frac{1}{4}$	72	37

## 1242-1250

**Screwdriver bits**

- machine-operated bits
- for slotted screws
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3
- DIN 3127 / ISO 2351



Product no.	Model	a x b mm	mm	"	L mm	$\Delta$ g
08300635	1242	0.6 x 3,5	E 6.3	$\frac{1}{4}$	50	8
08300840	1244	0.8 x 4,0	E 6.3	$\frac{1}{4}$	50	9
08301055	1246	1.0 x 5,5	E 6.3	$\frac{1}{4}$	50	10
08301265	1248	1.2 x 6,5	E 6.3	$\frac{1}{4}$	50	11
08301680	1250	1.6 x 8,0	E 6.3	$\frac{1}{4}$	50	14

**Screwdrivers and bit tools**

**1260-1262**



**Screwdriver bits**

- machine-operated bits
- for PHILLIPS® screws (DIN 5260)
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3
- DIN 3128 / ISO 8764

Product no.	Model	Size	mm	"	L mm	g
08310001	1260	PH1	E 6.3	1/4	50	10
08310002	1261	PH2	E 6.3	1/4	50	11
08310003	1262	PH3	E 6.3	1/4	50	11

**1270-1272**



**Screwdriver bits**

- machine-operated bits
- for POZIDRIV® screws
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3
- DIN 3128 / ISO 8764

Product no.	Model	Size	mm	"	L mm	g
08320001	1270	PZ1	E 6.3	1/4	50	10
08320002	1271	PZ2	E 6.3	1/4	50	11
08320003	1272	PZ3	E 6.3	1/4	50	11

**1280-1284**



**Screwdriver bits**

- machine-operated bits
- for hex socket screws
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3
- DIN 7426 / ISO 2936

Product no.	Model	mm	"	L mm	g
08330003	1280	3	1/4	50	9
08330004	1281	4	1/4	50	10
08330005	1282	5	1/4	50	12
08330006	1283	6	1/4	50	13
08330008	1284	8	1/4	50	18

**1290-1296**



**Screwdriver bits**

- machine-operated bits
- for recessed TORX® screws
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3

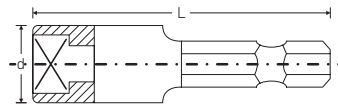
Product no.	Model	Size	mm	"	L mm	g
08340010	1290	T10	E 6.3	1/4	70	14
08340015	1291	T15	E 6.3	1/4	70	14
08340020	1292	T20	E 6.3	1/4	70	14
08340025	1293	T25	E 6.3	1/4	70	15
08340027	1294	T27	E 6.3	1/4	70	16
08340030	1295	T30	E 6.3	1/4	70	16
08340040	1296	T40	E 6.3	1/4	70	18

**2801**



**Socket bits**

- machine-operated bits
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3
- hex with strong magnet
- Chrome Alloy Steel, polished, painted with a clear finish



Product no.	mm	mm	"	d mm	L mm	g
28011007	7	E6,3	1/4	12	50	23
28011008	8	E6,3	1/4	13	50	26
28011010	10	E6,3	1/4	15.5	50	31
28011013	13	E6,3	1/4	18.7	50	44

**13006**



**Special socket bit**

- machine-operated bits
- for plugs in the Airbus A320-A340 electronic rack
- external hex drive in accordance with DIN 3126 / ISO 1173 Form E 6.3

Product no.	mm	"	d mm	L mm	g
08230001	E 6.3	1/4	11	50	32

## 4060

**IMPACT bit and driver set**

- for M5-M10 screws
- in a sturdy, stackable ABS plastic box

**Contains 15-pieces:**

- 1 IMPACT driver **No. 4030**
- 1 bit adaptor  $\frac{3}{8}$ " **No. 4035**
- 1 bit adaptor  $\frac{1}{2}$ " **No. 4036**
- 5 bits slotted **No. 4040-4044**: 1 x 7; 1.4 x 9; 1.5 x 13; 1.6 x 10; 2 x 12 mm
- 3 bits PHILLIPS® **No. 4050-4052**: PH2; PH3; PH4
- 4 bits hex **No. 4055-4058**: 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96323001	230	130	60	15	1264

## 4030

**IMPACT driver**

- with bit holder for screwdriver bits No. 4040-4058
- for M5-M10 screws
- torque 120 N·m

Product no.	■ "	○ "	L mm	△△ g
32200005	$\frac{3}{8}$	$\frac{3}{8}$	138	604

## 4035/4036

**Bit adaptors**

- with external hex drive
- for IMPACT driver No. 4030

Product no.	Model	■ "	● "	L mm	H mm	△△ g
32210001	4035	$\frac{3}{8}$	$\frac{3}{8}$	38	12	34
33210001	4036	$\frac{1}{2}$	$\frac{3}{8}$	38	17	43

## 4040-4044

**Screwdriver bits**

- for slotted screws
- for IMPACT driver No. 4030

Product no.	Model	a x b mm	● "	L mm	△△ g
08400010	4040	1.0 x 7	$\frac{3}{8}$	40	17
08400014	4041	1.4 x 9	$\frac{3}{8}$	40	20
08400015	4044	1.5 x 13	$\frac{3}{8}$	40	24
08400016	4042	1.6 x 10	$\frac{3}{8}$	40	21
08400020	4043	2.0 x 12	$\frac{3}{8}$	40	20

## 4050-4052

**Screwdriver bits**

- for PHILLIPS® screws
- for IMPACT driver No. 4030
- DIN ISO 8764

Product no.	Model	Size	● "	L mm	△△ g
08410002	4050	PH2	$\frac{3}{8}$	35	17
08410003	4051	PH3	$\frac{3}{8}$	35	17
08410004	4052	PH4	$\frac{3}{8}$	35	17

## 4055-4058

**Screwdriver bits**

- for hex socket screws
- for IMPACT driver No. 4030

Product no.	Model	● mm	● "	L mm	△△ g
08420005	4055	5	$\frac{3}{8}$	35	16
08420006	4056	6	$\frac{3}{8}$	35	16
08420008	4057	8	$\frac{3}{8}$	35	19
08420010	4058	10	$\frac{3}{8}$	35	23



WB 625

 STAHLWILLE 

# 6 Factory and workshop equipment

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283 Tool trolleys and workbenches

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288 Accessories for tool trolleys and workbenches

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292 Tool storage

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298 Perforated panels, hooks and holders

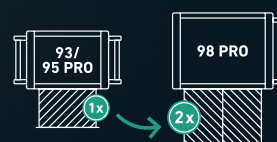
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# STAHLWILLE WORKSHOP EQUIPMENT – The right solution for everyone.

STAHLWILLE tool storage systems impress with their modern design, high level of safety and well thought-out details. Whether workbenches, tool trolleys or tool boxes – STAHLWILLE offers a variety of variants, with many options for customisation.

# MOBILE



## Well thought-out.

Three-stage safety concept: Central locking with recessed cylinder lock located on the side. The individual locking mechanism prevents unintentional opening during transit – the anti-tilt protection makes it impossible to pull out multiple drawers simultaneously.

## Clearly arranged.

All drawers are 100% extendable. In combination with the STAHLWILLE TCS inlays, optimal visibility is guaranteed.

## More volume.

Space marvel. The 98 PRO tool trolley offers 100% more drawer volume compared to the 93 and 95 PRO models.



### Generous.

7 large drawers offer plenty of storage space. The spacious cabinet section features an adjustable-height shelf, two rubberised cable outlets, and a cable duct that can be unscrewed at the back. Includes an adjustable paper roll holder for paper rolls up to 30 cm wide.



6

### Comfortable.

Only at STAHLWILLE: the ergonomic working height of 104 cm enables comfortable work at the workbench.













### Agile.

Oil and acid-resistant smooth-running wheels (Ø 125 mm) with thread guards to protect the bearings from dirt and fibres, with 2 locking brakes.





### Comparison of models

					
<b>93/6</b>	<b>95/6 PRO</b>	<b>95/7 PRO</b>	<b>95/8 PRO</b>	<b>98/7 PRO</b>	<b>98/8 PRO</b>
481 x 877 x 1000 mm	496 x 827 x 1020 mm	496 x 827 x 1020 mm	496 x 827 x 1020 mm	651 x 1001 x 1020 mm	651 x 1001 x 1020 mm
RAL 7016; RAL 9005	RAL 7016; RAL 9005	RAL 7016; RAL 9005	RAL 7016; RAL 9005	RAL 7016; RAL 9005	RAL 7016; RAL 9005
					
6	6	7	8	7	8
351 x 530 x 68 mm (4x) 351 x 530 x 145 mm (1x) 351 x 530 x 198 mm (1x)	346 x 528 x 73 mm (2x) 346 x 528 x 113 mm (2x) 346 x 528 x 153 mm (1x) 346 x 528 x 170 mm (1x)	346 x 528 x 73 mm (4x) 346 x 528 x 113 mm (2x) 346 x 528 x 170 mm (1x)	346 x 528 x 73 mm (7x) 346 x 528 x 170 mm (1x)	695 x 525 x 73 mm (4x) 695 x 525 x 113 mm (2x) 695 x 525 x 170 mm (1x)	695 x 525 x 73 mm (7x) 695 x 525 x 170 mm (1x)
30 kg 30 kg 45 kg	30 kg 30 kg 30 kg 45 kg	30 kg 30 kg 45 kg	30 kg 45 kg	40 kg 40 kg 60 kg	40 kg 60 kg
500 kg	750 kg	750 kg	750 kg	1,400 kg	1,400 kg

additional colours available: body blue, RAL 2703035; drawers black, RAL 9005; body red, RAL 3020; drawers black, RAL 9005

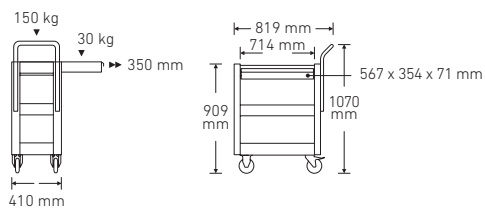
## TOOL TROLLEYS AND WORKBENCHES.

### 612 ST



#### Service trolley

- 1 drawer
- 2 shelves
- rubber castors with 2 parking brakes



Product no.	Colour samples	Colour	Number of drawers	⚖️ kg
81300612		green, RAL 6024; anthracite, RAL 7016	1	25.5

#### Key features of the TTS 93/6 tool trolley

Perfect order for the workshop

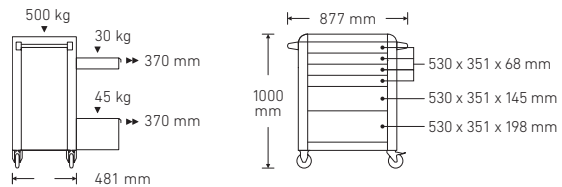
- two-stage safety concept:
  - central locking through cylinder lock with folding key
  - tilt protection - it is not possible to pull out several drawers at the same time
- 2 handles
- all-round impact protection
- durable plastic tray made of ABS with compartments for small parts
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, and 2 parking brakes
- perforation on both sides for hooks No. 8031-8041, e.g. for larger tools
- with paper roll holder
- can be equipped with STAHLWILLE TCS inlays

### 93/6



#### Tool trolley

- 6 easily removable drawers, black, full-extension runners with bearing cage guide



Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200154	93/6 A		anthracite, RAL 7016; black, RAL 9005	6	57



TOOLS THAT  
... inspire

## Factory and workshop equipment

### Key features of the TTS 95 PRO tool trolleys

Perfect order for the workshop

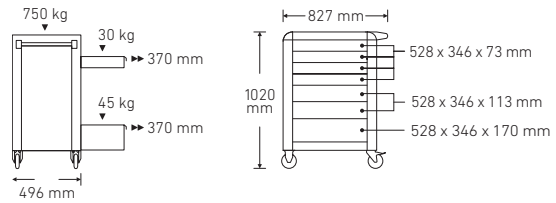
- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- steel handle with reinforced body connection
- all-round collision protection with impact damping
- tightly welded, scratch-resistant worktop prevents liquids from penetrating
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, and 2 parking brakes
- paper roll holder and spray can holder included
- perforation on both sides for hooks No. 8031-8041, e.g. for larger tools
- can be equipped with STAHLWILLE TCS inlays

## 95/7 PRO



### Tool trolleys

- 7 easily removable drawers, black, full-extension runners with bearing cage guide



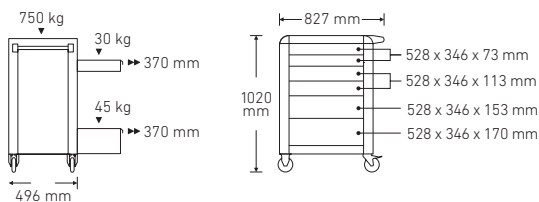
Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200163	95/7 A PRO		anthracite, RAL 7016; black, RAL 9005	7	71.5
81200164	95/7 B PRO		blue, RAL 270 30 35; black, RAL 9005	7	71.5
81200165	95/7 R PRO		red, RAL 3020; black, RAL 9005	7	71.5

## 95/6 PRO



### Tool trolleys

- 6 easily removable drawers, black, full-extension runners with bearing cage guide



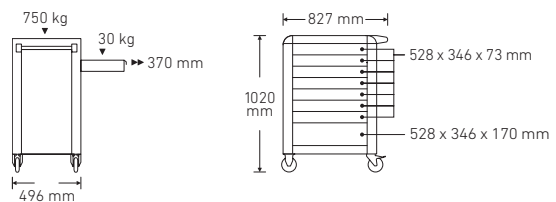
Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200160	95/6 A PRO		anthracite, RAL 7016; black, RAL 9005	6	71.5
81200161	95/6 B PRO		blue, RAL 270 30 35; black, RAL 9005	6	71.5
81200162	95/6 R PRO		red, RAL 3020; black, RAL 9005	6	71.5

## 95/8 PRO



### Tool trolleys

- 8 easily removable drawers, black, full-extension runners with bearing cage guide



Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200166	95/8 A PRO		anthracite, RAL 7016; black, RAL 9005	8	71.5
81200167	95/8 B PRO		blue, RAL 270 30 35; black, RAL 9005	8	71.5
81200168	95/8 R PRO		red, RAL 3020; black, RAL 9005	8	71.5

### Key features of the TTS 98 PRO tool trolleys

Perfect order for the workshop

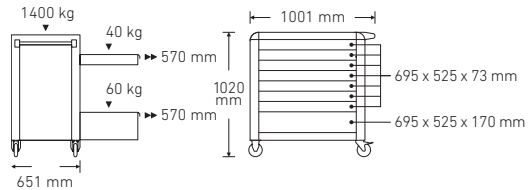
- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- 100% increased drawer volume compared to the TTS 93 and TTS 95 PRO tool trolleys
- steel handle with reinforced connection to body
- all-round impact protection
- tightly welded, scratch-resistant worktop prevents liquids from penetrating
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, and 2 parking brakes
- paper roll holder and spray can holder included
- perforation on both sides for hooks No. 8031-8041, e.g. for larger tools
- can be equipped with STAHLWILLE TCS inlays

## 98/8 PRO



### Tool trolleys

- 8 easily removable drawers, black, full-extension runners with bearing cage guide



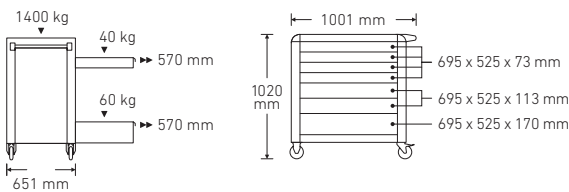
Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200172	98/8 A PRO		anthracite, RAL 7016; black, RAL 9005	8	114
81200173	98/8 B PRO		blue, RAL 270 30 35; black, RAL 9005	8	114
81200174	98/8 R PRO		red, RAL 3020; black, RAL 9005	8	114

## 98/7 PRO



### Tool trolleys

- 7 easily removable drawers, black, full-extension runners with bearing cage guide



Product no.	Model	Colour samples	Colour	Number of drawers	⚖️ kg
81200169	98/7 A PRO		anthracite, RAL 7016; black, RAL 9005	7	114
81200170	98/7 B PRO		blue, RAL 270 30 35; black, RAL 9005	7	114
81200171	98/7 R PRO		red, RAL 3020; black, RAL 9005	7	114



**Factory and workshop equipment**

**Key features of the WB 621 and WB 625 workbenches**

Perfect order for the workshop

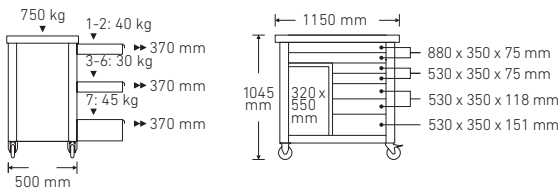
- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- large work surface with multiplex beechwood worktop, FSC certified, 1150 x 500 x 30 mm
- stainless steel decorative trim
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, and 2 parking brakes
- paper roll holder
- perforation on the side for hooks No. 8031-8041, e.g. for larger tools
- can be equipped with STAHLWILLE TCS inlays

**WB 621**



**Mobile workbench**

- 7 easily removable drawers, black, full-extension runners with bearing cage guide
- separate lockable cabinet compartment with magnetic bracket and adjustable shelves (70 mm grid)
- drawers and cabinet section close at the same time
- RAL 7016 body, RAL 9005 drawers and cabinet compartment, in durable industrial powder coating
- cabling is possible through 2 rubberised feed throughs and a removable cable channel on the back
- available separately: e-kit consisting of a magnetic multi-plug with 2 USB ports, a magnetic holder (flexible positioning on any metallic part of the workbench), and a cable holder



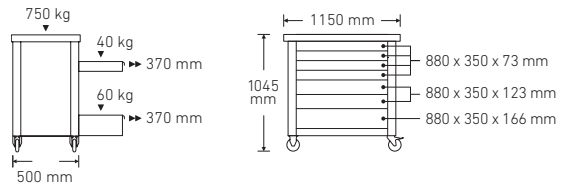
Product no.	Colour samples	Colour	Number of drawers	⚖️ kg
85010621		anthracite, RAL 7016; black, RAL 9005	7	97.5

**WB 625**



**Mobile workbench**

- 7 easily removable drawers, black, full-extension runners with bearing cage guide
- RAL 7016 body, RAL 9005 drawers and cabinet compartment, in durable industrial powder coating



Product no.	Colour samples	Colour	Number of drawers	⚖️ kg
85010625		anthracite, RAL 7016; black, RAL 9005	7	97

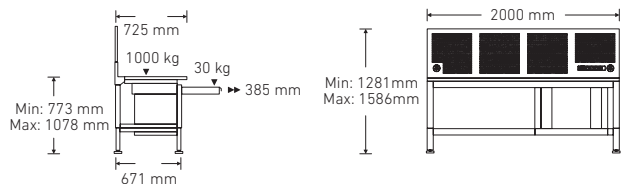


# WB 630

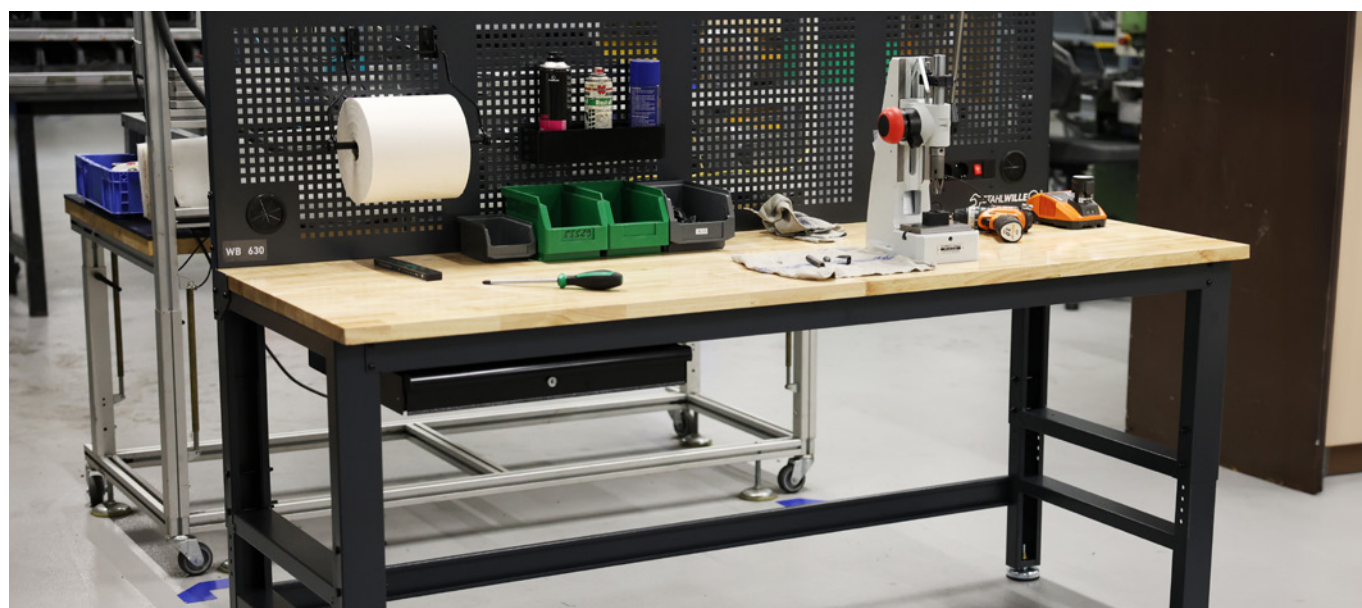


## Workbench

- ready-to-install design
- tool chest bracket including fasteners material suitable for No. 93 TOP BOX
- lockable drawer (including 2 keys) with full extension runners with bearing cage guide
- with non-slip drawer mat
- large work surface with rubberwood worktop, 30 mm thick, with FSC certification
- integrated perforated back panel for fitting tools and e.g. hooks, spray can holder, paper roll holder, etc.
- with EU 3-way plug adaptor, 2 USB ports, and 2 rubberised cable grommets
- height-adjustable legs (by 305 mm) with levelling feet (M12)
- body RAL 7016, in durable, industrial powder coating
- dimensions: width 2,000 mm, depth 725 mm, adjustable height with back panel: 1,281-1,586 mm, without back panel: 773-1,078 mm
- internal drawer dimensions: 530 x 350 x 74.5 mm
- can be equipped with STAHLWILLE TCS inlays
- available separately: Tool box TOP BOX 93 (81200157) and tool assortment TCS 821/6 (97830255)



Product no.	Colour samples	Colour	Number of drawers	⚖️ kg
85010630		anthracite, RAL 7016; black, RAL 9005	1	102.5



## ACCESSORIES FOR TOOL TROLLEYS AND WORKBENCHES.

### Suitable accessories at a glance

	Product no.	Description	Model	Suitable for
	90432802	Protective cover	Cover TTS 93+TTS95PRO	93/6, 95 PRO
	90432806	Rubber mat	95 GR	95 PRO
	83812070	Empty tray for small components	LE 912	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 612 ST
	81490001	Wheel set	R 95	93/6, 95 PRO, WB 621, WB 625
	81490005	Wheel set	R 98	93/6, 95 PRO, 98 PRO, WB 621, WB 625
	89480003	Wheel set	R 95/98S	93/6, 95 PRO, 98 PRO, WB 621, WB 625
	81490007	Wheel set	R 630	WB 630
	90432736	Shelf	WB 621 CS	WB 621
	90432731	Multiplex beechwood worktop	WB 621/625 WP	WB 621, WB 625
	81484002	Drawer divider	VE 50-150 2/3	93/6, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 93 TOP BOX, 612 ST
	81484001	Drawer divider	VE 50-150 3/3	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 612 ST
	81483004	Paper roll holder	PRH 925	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630
	89011053	Waste bin	95/98 AB	95 PRO, 98 PRO, WB 630
	89010040	Cable holder	KH 91	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630
	90432719	Spray can holder	SDH 922	95 PRO, 98 PRO, WB 630
	90432727	Spray can holder	SDH 923	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630
	89010041	Laptop holder	LH 928	WB 621, WB 625, WB 630
	89010042	Laptop holder adaptor (to be used only in combination with LH 928)	LH 928/A	93/6, 95 PRO, 98 PRO

## 93/95 CO

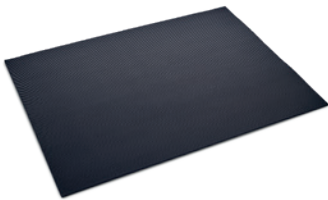


### Protective cover

- protection against dust, dirt and splashing water
- for tool trolleys 93 PRO and 95 PRO (also suitable for 90, 95, 95VA models)
- front opening with 2 zippers
- drawers can be used without removing the cover
- durable black nylon fabric

Product no.	for model	L mm	W mm	H mm	⚖ g
90432802	93/6, 95 PRO	890	480	990	1768

## 95 GR



### Rubber mat

- for the tool trolleys 95 PRO
- protects the stainless steel surface of the tray
- exact fit, 3 mm thick with fine grooves
- groove direction in longitudinal orientation
- styrene-butadiene rubber, oil and skydrol resistant

Product no.	for model	L mm	W mm	H mm	⚖ g
90432806	95 PRO	565	414	3	780

## LE 912

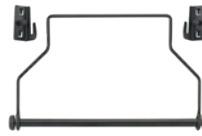


### Empty tray for small components

- with compartments for small parts such as screws, nuts, etc.
- oil and skydrol-resistant
- each has 8 compartments of 60 x 80 mm and 80 x 80 mm
- each has 2 compartments of 100 x 165 mm and 50 x 330 mm

Product no.	for model	⚖ g
83812070	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 612 ST	330

## PRH 925



### Paper roll holder

- universal paper roll holder, suitable for all models with side perforations
- attaches with 2 fixing screws to the perforated panel

Product no.	for model	Roll width max. mm	⚖ g
81483004	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	300	730

## KH 91



### Cable holder

- for storing cables and hoses

Product no.	for model	L mm	W mm	H mm	⚖ g
89010040	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	200	153	170	780

## LH 928



### Laptop holder

- for mounting on the worktops of workbenches No. WB 621, WB 625 and WB 630, 20-60 mm thickness
- suitable for 10-17" laptops
- for monitors up to 32" with VESA hole (75 x 75 mm and 100 x 100 mm)
- adjustment range of laptop holder: 287-430 mm
- height adjustable 30-400 mm, 180° rotatable
- vertical tilt angle: 55-90°
- made of aluminium tube
- max. load: 6.5 kg
- also suitable for tool trolleys 93, 95 PRO, 98 PRO in combination with adaptor 89010042

Product no.	for model	L mm	W mm	H mm	⚖ kg
89010041	WB 621, WB 625, WB 630	445	245	150	3.5

## LH 928/A



### Laptop holder adaptor

- mounting bracket for laptop holders on tool trolleys
- for attachment to the side perforations of the 93, 95 PRO, 98 PRO tool trolleys
- robust industrial powder coating

Product no.	for model	ΔΔ kg
89010042 *	93/6, 95 PRO, 98 PRO	1.33

\* only to be used in combination with LH 928

## SDH 923

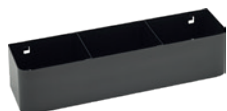


### Spray can holder

- small holder for 3 spray cans

Product no.	for model	L mm	W mm	H mm	ΔΔ g
90432727	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	237	81	70	566

## SDH 922

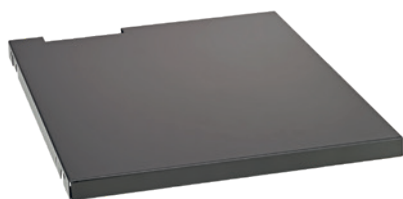


### Spray can holder

- large holder for 3 spray cans

Product no.	for model	L mm	W mm	H mm	ΔΔ g
90432719	95 PRO, 98 PRO, WB 630	300	84	70	650

## WB 621 CS

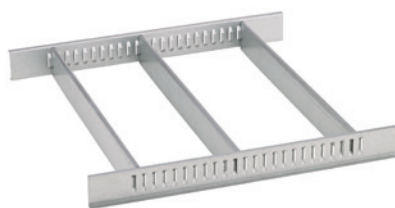


### Shelf

- additional shelf for workbench WB 621

Product no.	for model	L mm	W mm	H mm	ΔΔ kg
90432736	WB 621	440	327	33	1.31

## VE 50-150 2/3



### Drawer divider

- for variable drawer layouts
- includes 1 galvanised front and rear panel each, plus 3 dividing panels
- on TCS format 2/3 drawer

Product no.	for model	L mm	W mm	H mm	Size	ΔΔ g
81484002	93/6, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 93 TOP BOX, 612 ST	350	75	20	2/3	758

## VE 50-150 3/3



### Drawer divider

- for variable drawer layouts
- includes 1 galvanised front and rear panel each, plus 3 dividing panels
- on TCS format 3/3 drawer

Product no.	for model	L mm	W mm	H mm	Size	ΔΔ g
81484001	93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 612 ST	510	350	40	3/3	800

## WB 621 E-Kit



### Electronic kit

- suitable for workbench WB 621
- consisting of a switchable 3-way socket (EU) with 2 USB ports
- including magnetic holder for mounting anywhere on the workbench (RAL 9005) and cable holder

Product no.	L mm	ΔΔ kg
90432728	300	2.02

## 95/98 AB



### Waste bin

- suitable for tool trolleys 95 PRO/98 PRO and workbench WB 630
- powder coated

Product no.	for model	L mm	W mm	H mm	△△ kg
89011053	95 PRO, 98 PRO, WB 630	300	115	310	2.01

## WB 621/625 WP



### Multiplex beechwood worktop

- suitable for workbenches WB 621/WB 625
- oiled multiplex beechwood worktop

Product no.	for model	△△ kg
90432731	WB 621, WB 625	13

## R 95



### Wheel set

- 2 fixed and 2 swivelling smooth-running wheels (Ø 125 mm)
- 2 with parking brake

Product no.	for model	△△ kg
81490001	93/6, 95 PRO, WB 621, WB 625	3.9

## R 98



### Wheel set

- 2 fixed and 2 swivelling smooth-running wheels (Ø 125 mm)
- 2 with parking brake

Product no.	for model	△△ kg
81490005	93/6, 95 PRO, 98 PRO, WB 621, WB 625	4.5

## R 95/98S



### Wheel set

- 4 swivelling smooth-running wheels (Ø 125 mm)
- 2 with parking brake and 2 with directional lock

Product no.	for model	△△ kg
89480003	93/6, 95 PRO, 98 PRO, WB 621, WB 625	5.4

## R 630



### Wheel set

- 4 swivelling and movable smooth-running castors, Ø 125 mm
- with locking brakes
- with thread guard to protect the bearings from dirt and threads
- oil and acid resistant
- load capacity when used with workbench WB 630: 600 kg

Product no.	for model	△△ g
81490007	WB 630	4400

## TOOL STORAGE.

### 83/010



**Tool box**

- 3 trays
- can be locked with a padlock

Product no.	L mm	W mm	H mm	⚖️ kg
81060000	475	420	150	3.64

### 83/09

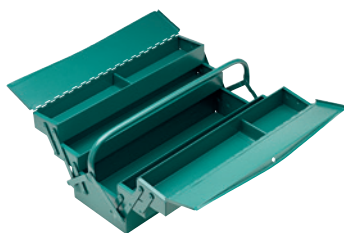


**Tool box**

- 5 trays
- can be locked with a padlock

Product no.	L mm	W mm	H mm	⚖️ kg
81050000	458	420	200	4.74

### 446/08



**Tool box**

- 5 trays
- can be locked with a padlock

Product no.	L mm	W mm	H mm	⚖️ kg
81070000	573	530	200	5.59

### 82/013



**Tool box**

- with lift out tray
- can be locked with a padlock

Product no.	L mm	W mm	H mm	⚖️ kg
81080000	252	545	225	6.87

### 13219



**Tool bag**

- with 23 compartments and 5 external pockets
- sturdy carrying handle
- removable, padded shoulder strap for comfortable carrying
- lid with hook-and-loop fastener protects the tools from dust, dirt, and moisture
- sturdy, reinforced plastic base
- made of waterproof polyester

Product no.	L mm	W mm	H mm	⚖️ kg
81620004	520	500	340	2.3

## 13215



### Backpack trolley

- sturdy tool backpack with reinforced bottom
- flexible use as a trolley or a backpack
- large, smooth-running wheels and a practical telescopic handle for convenient transport
- extendable, padded straps convert trolley into a backpack
- 2 easily removable panels for the most important everyday tools
- front pockets for paperwork and accessories
- padded notebook compartment (up to 15")

Product no.	L mm	W mm	H mm	△△ kg
81620007	250	380	520	4.3

## 136 L-BOXX®



### Tool box L-BOXX®

- mobile tool storage solution for trade and industry
- protects tools from damage and water spray
- compatible with the entire L-BOXX® range
- honeycomb function increases the stability of the base
- innovative one-handed click system
- contents are accessible even when the boxes are stacked and connected
- impact-resistant ABS plastic
- load capacity: 12 kg
- weight bearing capacity: 85 kg, can also be used as a step

Product no.	L mm	W mm	H mm	△△ kg
81620136	360	444	152	1.78

## 136 L-BOXX® WK



### Tool card

- suitable for L-BOXX® to be mounted in the lid
- 12 rubber loops and 6 pockets for safe storage of tools
- mounting fixtures included

Product no.	for model	L mm	W mm	H mm	△△ g
81620137	136 L-BOXX®	375	305	25	400

## 13301



### Tool box

- ABS shells
- robust aluminium frame with impact edge protection
- 2 lockable flip-locks
- variable base shell
- cover with 15 compartments, panel with 22 compartments
- separate document compartment in lid
- max. load capacity: 25 kg

Product no.	L mm	W mm	H mm	Filling volume	△△ kg
81620009	365	490	188	27 l	4

## 13302/TR



### Mobile tool box

- ABS shells
- smooth-running castors and integrated telescopic handle for convenient transport
- ergonomically designed carrying handle
- robust aluminium frame with impact edge protection
- 2 lockable flip-locks and a professional combination lock
- variable bottom section (2 aluminium dividers, 4 end caps, 2 centre caps)
- cover with 15 compartments, panel with 22 compartments
- separate document compartment in lid
- max. load capacity: 30 kg

Product no.	L mm	W mm	H mm	Filling volume	⚖ kg
81620010	260	515	445	36 l	6

## TBT 13216



### Tool box trolley

- for tool box No. 13216/4
- secure locking with a convenient release mechanism
- for ease of transport and increased usability of the tool boxes
- sturdy sheet-steel construction
- 2 fixed castors and 2 swivel castors (Ø 75 mm) with brakes
- practical, fold-away handle with stop
- maximum static load capacity: 150 kg
- colour: black, RAL 9005
- tool boxes to be purchased separately

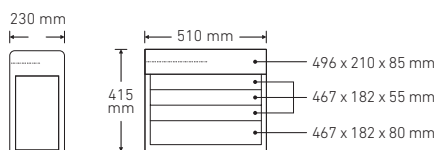
Product no.	for model	L mm	W mm	H mm	⚖ kg
81091009	13216/4	328	570	216	7.5

## 13216/4



### Tool box

- with 4 drawers, a compartment under the lid, a safety lock and a sturdy aluminium structural sheet on the lid
- wide, spring-mounted, plastic-covered handles on the sides
- high-quality, fully-extendable, stable sliding rail system
- easy removable drawers
- affix items to the perforated panel with spring clamps No. 8050



Product no.	L mm	W mm	H mm	⚖ kg
81091004	510	230	415	14

# 1500



### Roll-up tool pouches

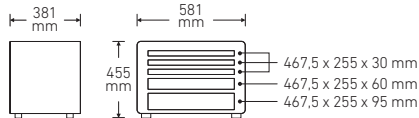
- sturdy tool roll with polyester hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe

Product no.	for model	L mm	W mm	H mm	Number of shelves	⊗ g
81231040	10/5; 17F/4; 17F/5; 240/4; 17/5; 17a/5; 25/4	290	80	30	5	138
81231041	12160/6 VDE; 12161/6 VDE; 240/6; 17F/6	300	90	30	6	170
81231042	10/6; 10/8; 13/9; 13/8; 13/6; 25/7; 25a/7	300	110	30	9	274
81231043	10a/7	330	120	45	9	298
81231044	13/11; 17F/12; 17/12	525	230	30	12	296
81231045	10/12; 10/10; 14/11; 10a/11; 17a/12	340	150	40	13	448
81231046	12/15; 12/10; 12a/13	150	90	35	15	112
81231047	13/17; 13/16 CH; 14/17; 17/15; 17F/15	350	140	40	18	547
81231048	13/15; 14/15	500	130	80	18	742
81231060	13/19CH	1000	400	55	20	802

6



## 13217



### Tool trolleys

- robust and durable tool trolley made from polypropylene for professional use
- 5 easily removable lockable drawers with transparent covers, end-stops for the rails, and in 3 different drawer heights
- drawers can be inserted in any order
- with 1 top cover and 1 removable front cover
- the top lid is lined with dimpled foam to hold the tools securely in place
- 1 removable tray with 2 handles and 2 transparent drawer lids under the top tray
- drawers can be used as a separate toolbox thanks to the transparent lids
- custom label options for the case and the drawers
- 2 smooth-running double castors at the rear
- for upright transport on 4 wheels; can be fitted with wheel set R 13217 (please order separately)
- extendable telescopic handle for easy transport
- 2 side handles
- resistant to skydrol, acetone, petrol and hydraulic oils
- load capacity: 60 kg
- lockable in 3 places with a padlock
- lockable with the integrated lock, 2 keys included (excluding IP67 version)
- also available in IP67 (6 drawers, 4 x 30 mm, 2 x 60 mm)
- additional fasteners and seals protect against water and dust
- with valve for pressure compensation (IP67 version only)
- also available with all-round reflective decals (5 drawers, 2 x 30 mm, 3 x 60 mm), for increased safety when working in dark environments
- individual case configurations on request

Product no.	Model	L mm	W mm	H mm	± kg
81091301	13217 LGE	381	581	455	16
81091304	13217 LR	381	581	455	16
81091306	13217 TS	381	581	455	16
81091322	13217 TS IP67	381	581	455	16
96894809	13217 TS RF	381	581	455	16

### Configurable tool trolleys without drawers

Product no.	Model	L mm	W mm	H mm	Load capacity	± g
81091323	13217 TS IP67/K	381	581	455	60 kg	12000
81091333	13217 LGE K	381	581	455	60 kg	12000
81091334	13217 LR K	381	581	455	60 kg	12000
81091335	13217 TS K	381	581	455	60 kg	12000

## TA 13217



### Transparent cover

- creates additional storage space in the top lid
- mounting fixtures included

Product no.	for model	L mm	W mm	H mm	± g
89010100	13217	500	275	40	630

## TR-SCH 13217



### Drawers

- robust and durable drawer with polypropylene handle
- for tool trolleys No. 13217
- combines with the cover No. TA 13217 to make a tool box

Product no.	Model	for model	L mm	W mm	H mm	± g
81483230	30 SC	13217	467.5	255	30	612
81483260	60 SC	13217	467.5	255	60	778
81483295	95 SC	13217	467.5	255	95	984

## 12932



### Padlock

- for locking tool trolleys No. 13217
- includes 2 keys

Product no.	for model	L mm	W mm	H mm	± g
77210002	13217	47	34	15	85

## R 13217



### Wheel set

- 4 swivel castors, including 2 with parking brake

Product no.	for model	± g
96894805	13217	670

# DRAWER CONFIGURATION –

## Systematic tool storage.

The tool trolley 13217 is also available without drawers and can be equipped on a modular basis with different drawer configurations (C1 – C10) as required. The order of the drawers is also variable. The product codes of the drawers that must be ordered separately for the empty case can be found under TR-SCH 13217 on the adjacent page. The trolley is available in black (also as IP67 version), yellow and red – the drawer colour is always black.



81091333



81091334

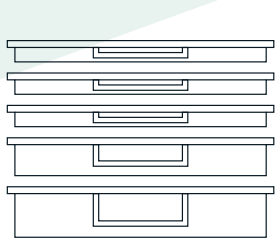


81091335

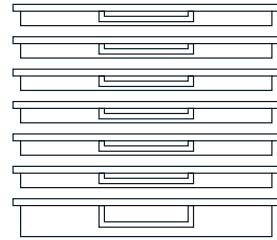


81091323 (IP67)

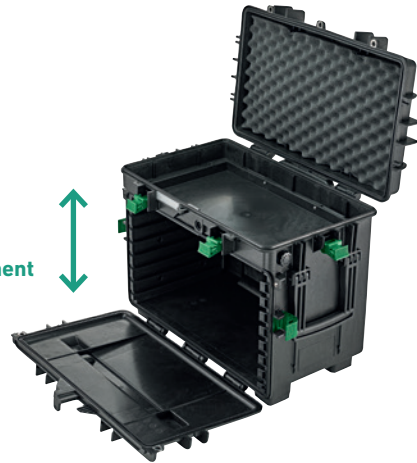
**C1**  
 3 x H 30 mm, 81483230  
 1 x H 60 mm, 81483260  
 1 x H 95 mm, 81483295



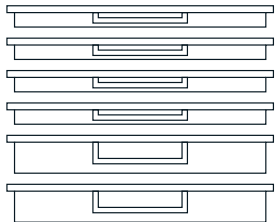
**C2**  
 6 x H 30 mm, 81483230  
 1 x H 60 mm, 81483260



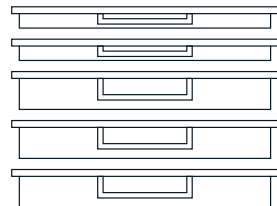
Variable  
 drawer  
 arrangement



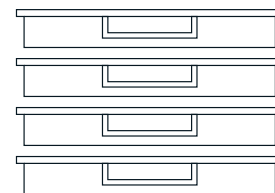
**C3**  
 4 x H 30 mm, 81483230  
 2 x H 60 mm, 81483260



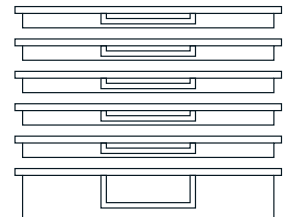
**C4**  
 2 x H 30 mm, 81483230  
 3 x H 60 mm, 81483260



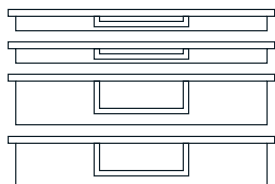
**C5**  
 4 x H 60 mm, 81483260



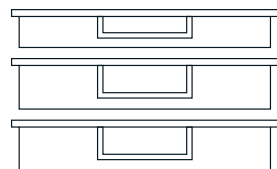
**C6**  
 5 x H 30 mm, 81483230  
 1 x H 95 mm, 81483295



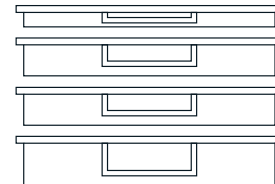
**C7**  
 2 x H 30 mm, 81483230  
 2 x H 95 mm, 81483295



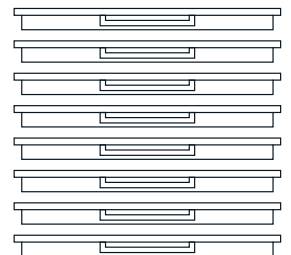
**C8**  
 1 x H 60 mm, 81483260  
 2 x H 95 mm, 81483295



**C9**  
 1 x H 30 mm, 81483230  
 2 x H 60 mm, 81483260  
 1 x H 95 mm, 81483295

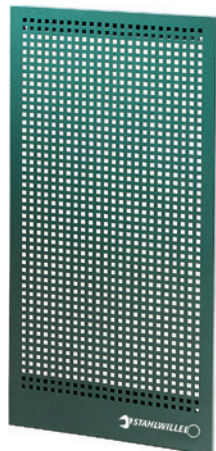


**C10**  
 8 x H 30 mm, 81483230



# PERFORATED PANELS, HOOKS AND HOLDERS.

## 8002



### Perforated panel

- durable perforated panel for affixing tools and objects
- compatible with hooks and brackets No. 8031-8041 (not included)
- square perforation, 9 x 9 mm
- made of sturdy sheet steel
- 2 reinforcing cross ribs on the back
- with holes for easy wall or bench mounting
- high load capacity

Product no.	L mm	W mm	H mm	△ kg
80020001	1000	500	15	3.8

### Tool hooks

with practical clip system

- sturdy plastic clip
- suitable for perforated panels with a 9 x 9 mm perforation
- simple, tool-free attachment
- screwless safety lock prevents scratching of the perforated wall

## 8031



### Single hooks

- heavy-duty tool hook with practical clip-on system
- made of robust steel
- angled hook, 45°

Product no.	for model	L mm	△ g
80310030	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	30	13
80310060	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	60	17
80310090	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	90	21

## 8032



### Twin hooks

- heavy-duty double hook with practical clip-on system
- made of robust steel
- 2 angled hooks, 45°

Product no.	for model	L mm	△ g
80320030	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	30	19
80320060	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	60	26

## 8034

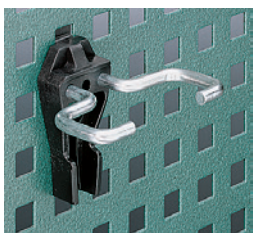


### Twin hooks

- heavy-duty double hook with practical clip-on system
- made of robust steel
- 2 angle hooks with vertical holder ends

Product no.	for model	L mm	W mm	△ g
80340040	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	40	35	30
80340050	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	50	40	30

## 8035



### Rectangular lugs

- heavy-duty bracket for pliers, with practical clip-on system
- made of robust steel

Product no.	for model	L mm	W mm	ΔΔ g
80350017	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	17	35	23
80350020	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	20	55	26

## 8041



### Holder for spanners

- space-saving tool holder with practical clip-on system
- for 8 spanners
- made of robust steel

Product no.	for model	ΔΔ g
80410235	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	62

## 8036



### Spring clips

- heavy-duty aluminium tool clamp with practical clip-on system

Product no.	for model	d mm	ΔΔ g
80360012	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	12	9
80360018	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	18	10
80360024	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	24	14

## 8050



### Spring clips

- heavy-duty tool clamp with practical clip system
- made of sturdy sheet steel, galvanised

Product no.	for model	d mm	ΔΔ g
81485006	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 13216	6	28
81485012	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630, 13216	12	28

## 8038



### Container

- robust case with practical clip-on system
- for tidy storage of pens, centre punches, etc.

Product no.	for model	d mm	H mm	ΔΔ g
80380030	8002, 93/6, 93 TOP BOX, 95 PRO, 98 PRO, WB 621, WB 625, WB 630	30	72	15



# 7 Tool assortments

304 **Tool assortments in tool trolleys and workbenches**

323 **Tool assortments in TCS inlays**

350 **Tool assortments in TCS inlay**

354 **Large workshop tool sets**

360 **Tool assortments in trolleys**

368 **Tool assortments for trolleys**

378 **Tool assortments in cases**

381 **Tool assortments in L-BOXX®**

383 **Tool assortments in tool boxes**

386 **Other tool assortments**



# STAHLWILLE TOOL ASSORTMENTS – Perfectly sorted. Perfectly protected.

STAHLWILLE offers an enormous variety of pre-configured premium tool sets – either as a stand-alone solution or in combination with a tool storage solution such as a tool trolley or tool box. The Tool Control System (TCS) always ensures order and ensures that no tool is left behind on the job.

# SORTED



## Clearly arranged.

The STAHLWILLE Tool Control System (TCS) is functional and promotes efficiency. Every tool has its place – the user immediately knows where it belongs. This saves valuable time in everyday work.

## Reliable.

Thanks to the 2-layer/two-colour system, you can see at a glance whether the TCS inlay is fully loaded or if a tool is missing.

## Individual.

STAHLWILLE offers many TCS assortments tailored to special areas of application – including customer-specific solutions.





### Tailored.

The Tool Control System (TCS) creates order and protects the tools from damage. Thanks to computer-aided production, every tool cutout is precisely tailored.

7

### Durable.

STAHLWILLE tool assortments impress with premium-quality inlays and are therefore ideally suited for professional use.

### Comprehensive.

Detailed information on STAHLWILLE's versatile tool storage solutions can be found in the chapter on service and workshop equipment.



## TOOL ASSORTMENTS IN TOOL TROLLEYS AND WORKBENCHES.



### 612/83 ST



#### 98830176 Tool assortment with service trolley

- safely integrated in the modular Tool Control System (TCS)
- 1 service trolley **No. 612 ST**

Product no.	L mm	W mm	H mm	Content pcs.	Δ± kg
98830176	410	819	909	83	30



96830277

#### Contains 83-pieces:

96830277

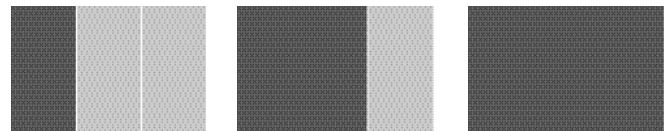
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 L-Key hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 side cutters **No. 6720**: L. 160 mm
- 2 slotted screwdrivers **No. 4620**: 1.2 x 6.5 x 150; 0.6 x 3.5 x 75 mm
- 2 PH cross-head screwdrivers **No. 4632**: PH1; PH2
- 1 cable knife **No. 12320**: Blade length: 90 mm

- 1 mini magnetic lifter **No. 12600**: 270 g
- 7 double open-ended spanners **No. 10**: 8 x 10; 10 x 13; 13 x 14; 16 x 18; 17 x 19; 19 x 22; 21 x 24 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 bit box 1/4" **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces



#### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, tool trolleys and workbenches. Two-colour foam inlays make checking the completeness of the tools quick and easy.



#### Tool assortment in a modular system with tool inserts, Tool Control System (TCS) - safely integrated

All advantages at a glance:

With the Tool Control System, the tools fit into chemical-resistant safety foam inlays with high-precision, 3D cutouts. Two-tone colour system facilitates quick audits of the contents: Visible colour immediately indicates a missing tool.

**Top features tool trolley 93/6**

for mobile use in the workshop

- two-stage safety concept:
  - central locking through cylinder lock with folding key
  - tilt protection - it is not possible to pull out several drawers at the same time
- 2 handles, all-round impact protection
- durable plastic tray made of ABS with compartments for small parts
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, with two parking brakes
- perforation on both sides for hooks 8031-8041, e.g. for larger tools
- 6 easy-to-remove drawers (black, RAL 9005) with full extension runners (370 mm) and ball bearing cage guide
- with paper roll holder



**93/130**



**98830177 Tool assortment with tool trolley**

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 93/6 A**: 6 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	♻️ kg
<b>98830177</b>	481	877	1000	6	130	78.5



**96830244**

**Contains 130-pieces:**

**96830244**

- 10 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 bit ratchet 1/4" **No. 415-2K**: L. 117 mm
- 1 extension 1/2" **No. 509**: L. 130 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 cable knife **No. 12320**: Blade length: 90 mm



**96830245**

- 1 bit box 1/4" **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

**96830245**

- 15 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 slotted screwdriver **No. 4620**: 0.8 x 4.0 x 100 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 PH cross-head screwdrivers **No. 4630**: PH1; PH2
- 3 TORX® screwdrivers **No. 4650**: T15; T20; T25



## 93/157QR



### 98830178 Tool assortment with tool trolley

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 93/6 A**: 6 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	kg
98830178	481	877	1000	6	157	82



96830264



96830265



96830266



96830267



96830268



96830269

#### Contains 157-pieces:

##### 96830264

- 11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: 54; 150 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm
- 2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**:  $\frac{1}{4}$ " to  $\frac{1}{2}$ "
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$ " to  $\frac{3}{8}$ "
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm

##### 96830265

- 2 bit ratchet screwdrivers  $\frac{1}{4}$ " **No. 4008**: L. 95; 250 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

##### 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

##### 96830267

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

##### 96830268

- 1 electrician's slotted screwdriver **No. 4628**: 0.4x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4.0 x 100; 1.6 x 10.0 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 torch **No. 13132**: 130 lm
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

##### 96830269

- 1 engineer's hammer **No. 10961**: 500 g
- 1 dead blow hammer **No. 10959**:  $\varnothing$  35 mm
- 1 flat chisel **No. 102**: W. 21; L. 175 mm
- 1 pin punch **No. 108**:  $\varnothing$  6 mm
- 1 centre punch **No. 105**:  $\varnothing$  10 mm
- 1 pin punch **No. 109**:  $\varnothing$  3.4 mm
- 1 drift punch **No. 104**:  $\varnothing$  4 mm



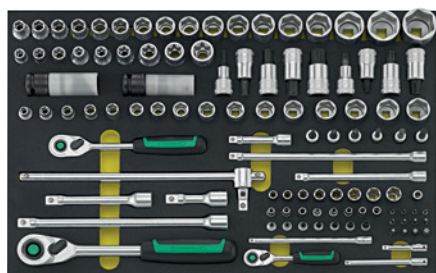
## 93/206QR



### 98830203 Tool assortment with tool trolley

- particularly suitable for the automotive sector
- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 93/6 A**: 6 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⚖️ kg
98830203	481	877	1000	6	207	100



96830283



96830284



96830285



96830286



96830287

**Contains 207-pieces:**

**96830283**

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 5 sockets TORX® 1/4" **No. 40TX**: E4; E5; E6; E7; E8
- 7 screwdriver sockets TORX®, with hole 1/4" **No. 44KTXB**: T10; T15; T20; T25; T27; T30; T40
- 3 extensions 1/4" **No. 405**: L. 54; 100; 150 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 12 bits TORX® 1/4" **No. 1410-1421**: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40; T45
- 16 sockets with hex 3/8" **No. 456**: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
- 3 sockets TORX® 3/8" **No. 45TX**: E10; E12; E14
- 3 screwdriver sockets INHEX 3/8" **No. 49**: 5; 6; 7 mm
- 3 screwdriver sockets TORX® 3/8" **No. 49TX**: T30; T40; T45
- 1 QuickRelease speeder brace 3/8" **No. 453QR**: L. 408 mm
- 3 extensions 3/8" **No. 427**: L. 76; 160; 240 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 6 sockets TORX® 1/2" **No. 50TX**: E11; E12; E14; E18; E20; E24
- 2 IMPACT wheel nut sockets with hex 1/2" **No. 2309IMP K**: 17; 19 mm
- 5 screwdriver sockets INHEX 1/2" **No. 54**: 8; 10; 12; 14; 17 mm
- 4 screwdriver sockets TORX® 1/2" **No. 54TX**: T45; T50; T55; T60

- 1 QuickRelease T-handle 1/2" **No. 506QR**: L. 300 mm
- 3 extensions 1/2" **No. 509**: L. 75; 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR**: L. 265.5 mm

**96830284**

- 6 pin punches **No. 108**: Ø 2, 3, 4, 5, 6, 8 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 dead blow hammer **No. 10959**: Ø 40 mm
- 1 engineer's hammer **No. 10961**: 500g
- 1 magnetic lifter **No. 12600**: 500 g
- 1 cable knife **No. 12320** Blade length: 90 mm
- 1 telescopic mirror **No. 12921**: L. 178-921 mm
- 1 torch **No. 13132**: 130 lm
- 2 batteries AAA 1.5 V
- 1 brake caliper brush, steel wire **No. 12373**: L. 230 mm
- 1 claw lifter **No. 12922**: Ø 6 mm, L. 540 mm

**96830285**

- 8 double-ended ring spanners **No. 20**: 6 x 7; 8 x 9; 10 x 11; 12 x 13;



## Tool assortments

14 x 15; 16 x 17; 18 x 19; 20 x 22 mm  
 1 slotted screwdriver with impact cap **No. 4622SK**:  
 1.2 x 10 x 175 mm  
 1 triangular bearing scraper **No. 10676**: 85 x 12 x 315 mm  
 1 lever bar **No. 12770**: L. 260 mm  
 1 gasket scraper **No. 12718**: L. 265 mm  
 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8;  
 10 mm  
 1 self-grip wrench **No. 6564**: L. 250 mm  
 1 PZ cross-head screwdriver **No. 4744**: PZ2  
 1 PH cross-head screwdriver **No. 4734**: PH2  
 1 slotted screwdriver **No. 4724**: 0.6 x 3.5 x 25 mm

### 96830286

23 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16;  
 17; 18; 19; 21; 22; 23; 24; 27; 29; 30; 32 mm

11 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11;  
 10 x 12; 10 x 13; 13 x 14; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24  
 4 double-ended ring spanners TORX® **No. 21TX**: E6 x E8; E10 x E12;  
 E14 x E18; E20 x E24

### 96830287

4 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100;  
 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm  
 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
 1 water pump pliers **No. 6572**: L. 240 mm  
 4 circlip pliers **No. 6543, 6545**: J1; J2; A1; A2  
 1 combination pliers **No. 6700**: L. 180 mm  
 1 heavy-duty side cutters **No. 6721**: L. 160 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 telephone pliers **No. 6731**: L. 200 mm



## 93/250QR



### 98830180 Tool assortment with tool trolley

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 93/6 A**: 6 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⚖️ kg
98830180	481	877	1000	6	250	85.5



96830264



96830265



96830266



96830267



96830268



96830269



96830271



96830272



96830273



96830274

### Contains 250-pieces:

#### 96830264

11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13;  
 14 mm  
 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19;  
 20; 21; 22; 24; 27; 30; 32 mm

2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm  
 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm  
 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm  
 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm  
 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm

1 square drive adaptor **No. 410**: 1/4 to 1/2"  
 1 square drive adaptor **No. 513**: 1/2 to 3/8"  
 1 bit holder 1/4" **No. 412**: L. 25 mm

**96830265**

2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm  
 1 bit holder 1/4" **No. 4009**: L. 176 mm  
 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) |  
 PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) |  
 T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm |  
 PH2;3 | PZ1;2 | T20;25 | 56-pieces

**96830266**

1 water pump pliers **No. 6551**: L. 240 mm  
 1 heavy-duty side cutters **No. 6721**: L. 180 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 combination pliers **No. 6700**: L. 180 mm

**96830267**

16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16;  
 17; 18; 19; 21; 22; 24 mm  
 1 adjustable spanner **No. 4025** max. 34 mm  
 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

**96830268**

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 torch **No. 13132**: 130 lm  
 1 wooden folding ruler **No. 13112**: L. 2 m  
 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25;  
 T27; T30; T40  
 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8;  
 10 mm

**96830269**

1 engineer's hammer **No. 10961**: 500 g  
 1 dead blow hammer **No. 10959**: Ø 35 mm  
 1 flat chisel **No. 102**: W. 21; L. 175 mm  
 1 pin punch **No. 108**: Ø 6 mm  
 1 centre punch **No. 105**: Ø 10 mm

1 pin punch **No. 109**: Ø 3.4 mm  
 1 drift punch **No. 104**: Ø 4 mm

**96830271**

1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11; M10-  
 M12; M14-M16; M18-M22  
 1 warding file set **No. 12800**: 6-pieces  
 1 flat file **No. 12036**: L. 260 mm  
 1 gasket scraper **No. 12718**: L. 265 mm  
 1 safety knife **No. 12965**: L. 165 mm  
 1 wire brush **No. 12377**: L. 270 mm  
 1 steel ruler **No. 13110**: L. 300 mm  
 1 hacksaw **No. 12050**: Blade length: 300 mm  
 1 tungsten carbide scribe **No. 12322**: Ø 3.15 mm  
 1 wire cutters **No. 13148**: L. 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm

**96830272**

15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7;  
 8; 9; 10; 11; 12; 13; 14 mm  
 13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24;  
 27; 30; 32 mm

**96830273**

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

**96830274**

9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40;  
 T45; T50; T55; T60  
 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17;  
 19 mm  
 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50  
 2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm  
 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm  
 8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25;  
 T27; T30; T40  
 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm



## Tool assortments

### Top features tool trolley 95 PRO

for mobile use in the workshop

- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- black lacquered steel handle with reinforced body connection
- all-round impact protection with impact damping
- tightly welded, scratch resistant worktop prevents liquids from penetrating
- oil and acid-resistant wheels (Ø 125 mm) with bearings protected from the ingress of dirt and fibres, and two parking brakes
- paper roll holder and spray can holder included
- 6, 7 or 8 easy-to-remove drawers (black, RAL 9005) with full extension and ball bearing cage guide
- perforation on both sides for hooks 8031-8041, e.g. for larger tools



## 95/157QR



### 98830192 Tool assortment with tool trolley

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 95/7 A PRO**: 7 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	♻️ kg
98830192	497	823	1021	7	157	101



96830264



96830265



96830266



96830267



96830268



96830269

### Contains 157-pieces:

#### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/2" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

#### 96830265

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

#### 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

**96830267**

16 combination spanners **No. 13:** 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm  
 1 adjustable spanner **No. 4025** max. 34 mm  
 5 combination ratchet spanners, flat **No. 17F:** 8; 10; 13; 17; 19 mm

1 wooden folding ruler **No. 13112:** L. 2 m  
 1 ball-ended L-Key set TORX® **No. 10771/8:** T9; T10; T15; T20; T25; T27; T30; T40  
 1 ball-ended L-Key set hex **No. 10765/9:** 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

**96830268**

1 electrician's slotted screwdriver **No. 4628:** 0.4 x 2.5 x 60 mm  
 2 slotted screwdrivers **No. 4620:** 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
 3 PH cross-head screwdrivers **No. 4630:** PH1; PH2; PH3  
 1 cable knife **No. 12320:** Blade length: 90 mm  
 1 tape measure **No. 12935:** L. 3 m  
 1 mini magnetic lifter **No. 12600:** 270 g  
 1 torch **No. 13132:** 130 lm

**96830269**

1 engineer's hammer **No. 10961:** 500 g  
 1 dead blow hammer **No. 10959:** Ø 35 mm  
 1 flat chisel **No. 102:** W. 20; L. 175 mm  
 1 pin punch **No. 108:** Ø 6 mm  
 1 centre punch **No. 105:** Ø 10 mm  
 1 pin punch **No. 109:** Ø 3.4 mm  
 1 drift punch **No. 104:** Ø 4 mm



**95/250QR**



**98830193 Tool assortment with tool trolley**

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley, anthracite **No. 95/7 A PRO:** 7 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	kg
98830193	497	823	1021	7	250	111



96830264



96830265



96830266



96830267



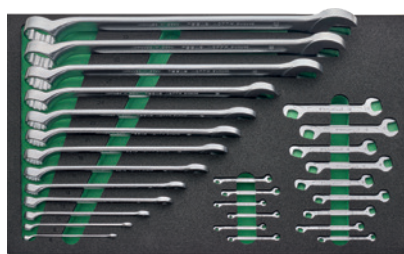
96830268



96830269



96830271



96830272



96830273



96830274

**Contains 250-pieces:**

**96830264**

11 sockets with hex 1/4" **No. 40:** 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 17 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm  
 2 QuickRelease extensions 1/4" **No. 405QR:** L. 54; 150 mm  
 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N:** L. 117 mm

1 bit adaptor, manual 1/4" **No. 3116:** L. 25 mm  
 2 QuickRelease extensions 1/2" **No. 509QR:** L. 130; 255 mm  
 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80:** L. 265.5 mm  
 1 square drive adaptor **No. 410:** 1/4 to 1/2"  
 1 square drive adaptor **No. 513:** 1/2 to 3/8"  
 1 bit holder 1/4" **No. 412:** L. 25 mm



## Tool assortments

### 96830265

2 bit ratchet screwdrivers  $\frac{1}{4}$ " **No. 4008**: L. 95; 250 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 4009**: L. 176 mm  
 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T BO10;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

### 96830266

1 water pump pliers **No. 6551**: L. 240 mm  
 1 heavy-duty side cutters **No. 6721**: L. 180 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 combination pliers **No. 6700**: L. 180 mm

### 96830267

16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm  
 1 adjustable spanner **No. 4025** max. 34 mm  
 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

### 96830268

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 torch **No. 13132**: 130 lm  
 1 wooden folding ruler **No. 13112**: L. 2 m  
 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40  
 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

### 96830269

1 engineer's hammer **No. 10961**: 500 g  
 1 dead blow hammer **No. 10959**: Ø 35 mm  
 1 flat chisel **No. 102**: W. 20; L. 175 mm

1 pin punch **No. 108**: Ø 6 mm  
 1 centre punch **No. 105**: Ø 10 mm  
 1 pin punch **No. 109**: Ø 3.4 mm  
 1 drift punch **No. 104**: Ø 4 mm

### 96830271

1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22  
 1 warding file set **No. 12800**: 6-pieces  
 1 flat file **No. 12036**: L. 260 mm  
 1 gasket scraper **No. 12718**: L. 265 mm  
 1 safety knife **No. 12965**: L. 165 mm  
 1 wire brush **No. 12377**: L. 270 mm  
 1 steel ruler **No. 13110**: L. 300 mm  
 1 hacksaw **No. 12050**: Blade length: 300 mm  
 1 tungsten carbide scriber **No. 12322**: Ø 3.15 mm  
 1 wire cutters **No. 13148**: L. 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm

### 96830272

15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm

### 96830273

4 circlip pliers **No. 6543-6546**: J2; J21; A2 A21

### 96830274

9 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60  
 10 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm  
 2 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 1054TX**: T30; T50  
 2 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 1054/2054**: 6; 8 mm  
 4 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44**: 3; 4; 5; 6 mm  
 8 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40  
 5 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6; 8 mm



## 98/250QR



### 98830234 Tool assortment with tool trolley

- 1 tool trolley, anthracite **No. 98/7 A PRO**: 7 drawers
- Key features of tool trolley (see page 285)

**Contains 250-pieces:** with the TCS inserts of the 95/250QR tool assortment (98830193), but with a larger tool trolley

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⚖️ kg
98830234	651	1001	1020	7	250	111



**Top features workbench WB 621**

for mobile use in the workshop

- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- 7 easy-to-remove drawers with full extension runners and ball bearing cage guide
- 2 drawers in generous XXL format, 880 mm
- lockable cabinet compartment with height-adjustable shelf (70 mm grid)
- cabling through 2 rubberized grommets
- removable cable duct on the back side
- oil and acid-resistant wheels (Ø 125 mm) with thread guards to protect the bearings from dirt and threads, with two locking brakes
- body RAL 7016, drawers RAL 9005 in durable industrial powder coating
- Paper roll holder
- available separately: e-kit consisting of a magnetic multi-plug with 2 USB ports, a magnetic holder (flexible positioning on any metallic part of the workbench), and a cable holder



**WB 621/161QR**



**98830194 Tool assortment with workbench**

- for service and maintenance work on industrial systems
- metric tools
- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No. WB 621**: 7 drawers and cabinet compartment

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⊗ kg
98830194	500	1150	1045	7 + 1 cabinet compartment	161	107.5



96830264



96830265



96830266



96830267



96830268



96830269



96830273

**Contains 161-pieces:**

**96830264**

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm

- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

**96830265**

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm



**Tool assortments**

1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

**96830266**

1 water pump pliers **No. 6551**: L. 240 mm  
 1 heavy-duty side cutters **No. 6721**: L. 180 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 combination pliers **No. 6700**: L. 180 mm

**96830267**

16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm  
 1 adjustable spanner **No. 4025** max. 34 mm  
 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

**96830268**

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3

1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 torch **No. 13132**: 130 lm  
 1 wooden folding ruler **No. 13112**: L. 2 m  
 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40  
 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

**96830269**

1 engineer's hammer **No. 10961**: 500 g  
 1 dead blow hammer **No. 10959**: Ø 35 mm  
 1 flat chisel **No. 102**: W. 21; L. 175 mm  
 1 pin punch **No. 108**: Ø 6 mm  
 1 centre punch **No. 105**: Ø 10 mm  
 1 pin punch **No. 109**: Ø 3.4 mm  
 1 drift punch **No. 104**: Ø 4 mm

**96830273**

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21



**WB 621/238QR**



**98830204 Tool assortment with workbench**

- for service and maintenance work on agricultural, construction and commercial vehicles
- metric tools
- extra-long spanners for hard-to-reach bolted joints and greater force transmission
- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No. WB 621**: 7 drawers and cabinet compartment

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	kg
98830204	500	1150	1045	7 + 1 Fach	238	135



**96830288**



**96830289**



**96830291**



**96830292**



**96830290**

**Contains 238-pieces:**

**96830288**

23 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34; 36 mm  
 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

3 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27  
 6 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T40; T45; T50; T55; T60  
 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

4 screwdriver sockets INHEX  $\frac{1}{4}$ " No. 44K: 4; 5; 6; 8 mm  
 6 screwdriver sockets TORX®  $\frac{1}{4}$ " No. 44KTX: T8; T9; T10; T15; T20; T25  
 1 square drive adaptor No. 410:  $\frac{1}{4}$  to  $\frac{1}{2}$ "  
 1 bit holder  $\frac{1}{4}$ " No. 412: L. 25 mm  
 1 bit adaptor, manual  $\frac{1}{4}$ " No. 3116: L. 25 mm  
 1 bit ratchet screwdriver  $\frac{1}{4}$ " No. 4008: L. 250 mm  
 1 telescopic ratchet  $\frac{1}{2}$ " No. 516: L. 410-630 mm  
 1 QuickRelease T-handle  $\frac{1}{2}$ " No. 506QR: L. 300 mm  
 2 QuickRelease extensions  $\frac{1}{2}$ " No. 509QR: L. 130; 255 mm  
 1 QuickRelease universal joint  $\frac{1}{2}$ " No. 510QR: L. 80 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " No. 415QR N: L. 117 mm  
 1 QuickRelease drive handle  $\frac{1}{4}$ " No. 400QR: L. 150 mm  
 2 QuickRelease extensions  $\frac{1}{4}$ " No. 405QR: L. 54; 150 mm  
 1 QuickRelease T-handle  $\frac{1}{4}$ " No. 404QR: L. 116 mm  
 1 QuickRelease universal joint  $\frac{1}{4}$ " No. 407QR: L. 45 mm  
 1 bit fine-tooth ratchet  $\frac{1}{4}$ " No. 415SGB N: L. 117 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " No. 435QR N: L. 193 mm  
 1 QuickRelease extensions  $\frac{3}{8}$ " No. 427QR: L. 160 mm  
 1 square drive adaptor No. 432:  $\frac{1}{2}$  to  $\frac{3}{8}$ "  
 1 square drive adaptor No. 431:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 1 automotive circuit tester No. 12905: 6-12 and 24 V  
 1 L-Key set hex No. 10767/9: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 2 L-Keys hex No. 10765: 12; 14 mm  
 1 L-Key set TORX® No. 10766/8: T9; T10; T15; T20; T25; T27; T30; T40  
 1 bit box No. 1206: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

**96830289**

7 pin punches No. 108: Ø 2; 3; 4; 5; 6; 8; 10 mm  
 1 centre punch No. 105: Ø 12 mm  
 1 engineer's hammer No. 10961: 500 g  
 1 flat chisel No. 102: W. 24; L. 200 mm  
 1 soft-face hammer No. 10959: Ø 50 mm  
 1 cross-cut chisel No. 103: W. 18; L. 200 mm  
 1 engineer's hammer No. 10961: 1500 g

1 gasket scraper No. 12718: L. 265 mm  
 1 lever bar No. 11007: L. 400 mm  
 1 magnetic lifter No. 12600: 3000 g  
 1 tape measure No. 12935: L. 5 m  
 1 flat file No. 12036: L. 260 mm  
 1 half-round file No. 12030: L. 260 mm  
 1 round file No. 12025: L. 210 mm  
 1 precision feeler gauges, 20 blades No. 11095: 0.05-1.00 mm  
 1 adjustable spanner No. 4025 max. 39 mm  
 1 wire brush No. 12374: L. 290 mm

**96830290**

22 combination spanners No. 14: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 36 mm

**96830291**

1 caliper No. 12900: Measuring range: 150 mm/6"  
 1 PH cross-head screwdriver No. 4734: PH2  
 1 slotted screwdriver No. 4724: 1.0 x 5.5 x 25 mm  
 1 cable knife No. 12320: Blade length: 90 mm  
 6 TORX® screwdrivers No. 4650: T10; T15; T20; T25; T30; T40  
 3 PH cross-head screwdrivers with impact cap No. 4632SK: PH1; PH2; PH3  
 4 slotted screwdrivers with impact cap No. 4622SK: 0.8 x 4.0 x 90; 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.2 x 8.0 x 150 mm  
 1 PH cross-head screwdriver No. 4632: PH4  
 1 torch No. 13132: 130 lm  
 1 wooden folding ruler No. 13112: L. 2 m

**96830292**

8 circlip pliers No. 6543-6546: J1; J2; J11; J21; A1; A2; A11; A21  
 1 side cutters No. 6720: L. 160 mm  
 1 water pump pliers No. 6572: L. 240 mm  
 1 telephone pliers No. 6730: L. 160 mm  
 1 combination pliers No. 6700: L. 180 mm  
 1 wire strippers: max. Ø 4 mm<sup>2</sup>  
 1 crimping pliers No. 6638: L. 220 mm





## WB 621/267QR



### 98830195 Tool assortment with workbench

- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No WB 621**: 7 drawers and cabinet compartment

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⚖️ kg
98830195	500	1150	1045	7 + 1 cabinet compartment	267	137



96830264



96830265



96830266



96830267



96830268



96830269



96830270



96830271



96830272



96830273



96830274



96830275

### Contains 267-pieces:

#### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/2" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

#### 96830265

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

#### 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

**96830267**

16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm  
 1 adjustable spanner **No. 4025** max. 34 mm  
 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

**96830268**

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 torch **No. 13132**: 130 lm  
 1 wooden folding ruler **No. 13112**: L. 2 m  
 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40  
 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

**96830269**

1 engineer's hammer **No. 10961**: 500 g  
 1 dead blow hammer **No. 10959**: Ø 35 mm  
 1 flat chisel **No. 102**: W. 20; L. 175 mm  
 1 pin punch **No. 108**: Ø 6 mm  
 1 centre punch **No. 105**: Ø 10 mm  
 1 pin punch **No. 109**: Ø 3.4 mm  
 1 drift punch **No. 104**: Ø 4 mm

**96830270**

4 electrician's slotted screwdrivers **No. 4751**: 0.3 x 1.5; 0.4 x 2; 0.4 x 2.5; 0.5 x 3 mm  
 3 electrician's PH cross-head screwdrivers **No. 4752**: PH00; PH0; PH1  
 1 electronics needle nose pliers **No. 6711**: L. 130 mm  
 1 mini electronics side cutters **No. 6708** L. 115 mm

**96830271**

1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22  
 1 warding file set **No. 12800**: 6-pieces  
 1 flat file **No. 12036**: L. 260 mm  
 1 gasket scraper **No. 12718**: L. 265 mm  
 1 safety knife **No. 12965**: L. 165 mm  
 1 wire brush **No. 12377**: L. 270 mm  
 1 steel ruler **No. 13110**: L. 300 mm  
 1 hacksaw **No. 12050**: Blade length: 300 mm  
 1 tungsten carbide scriber **No. 12322**: Ø 3.15 mm  
 1 wire cutters **No. 13148**: L. 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm

**96830272**

13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm  
 15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

**96830273**

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

**96830274**

9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60  
 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm  
 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50  
 2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm  
 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm  
 8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40  
 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm

**96830275**

1 slotted screwdriver **No. 4620**: 1.0 x 5.5 x 125 mm  
 4 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2; PZ3  
 2 PH cross-head screwdrivers **No. 4734**: PH1; PH2  
 1 voltage tester **No. 10554**: 125-250 V

TOOLS THAT  
 ... inspire

## Tool assortments

### Top features workbench WB 625

for mobile use in the workshop

- three-stage safety concept:
  - central locking with a lateral cylinder lock and folding key
  - individual locks prevent inadvertent opening during transit
  - tilt protection - it is not possible to pull out several drawers at the same time
- 7 drawers with full extension runners and ball bearing cage guide
- large work surface with FSC-certified birch multiplex worktop (1150 x 500 x 30 mm)
- working height of 104 cm
- stainless steel decorative trim
- oil and acid-resistant wheels (Ø 125 mm) with thread guard and 2 parking brakes
- body RAL 7016, drawers and cabinet RAL 9005 in durable industrial powder coating
- perforation on the side for hooks 8031-8041, e.g. for larger tools
- Drawer dimensions: 1-4 up to 40 kg, 3-7 up to 60 kg



## WB 625/161QR



### 98830179 Tool assortment with workbench

- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No. WB 625**: 7 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	⚖️ kg
98830179	500	1150	1045	7	161	119



96830264



96830265



96830266



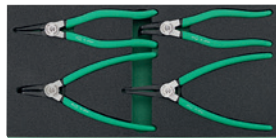
96830267



96830268



96830269



96830273

### Contains 161-pieces:

#### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm

- 1 square drive adaptor **No. 410**: 1/4" to 1/2"
- 1 square drive adaptor **No. 513**: 1/2" to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

#### 96830265

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

**96830266**

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

**96830267**

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
- 1 adjustable spanner **No. 4025** max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

**96830268**

- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 torch **No. 13132**: 130 lm

- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

**96830269**

- 1 engineer's hammer **No. 10961**: 500 g
- 1 dead blow hammer **No. 10959**: Ø 35 mm
- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 1 pin punch **No. 108**: Ø 6 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 drift punch **No. 104**: Ø 4 mm

**96830273**

- 4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21



**WB 625/238QR**



**98830205 Tool assortment with workbench**

- for service and maintenance work on agricultural, construction and commercial vehicles
- metric tools
- extra-long spanners for hard-to-reach bolted joints and greater force transmission
- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No WB 625**: 7 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	kg
98830205	500	1150	1045	7	238	135



**96830288**



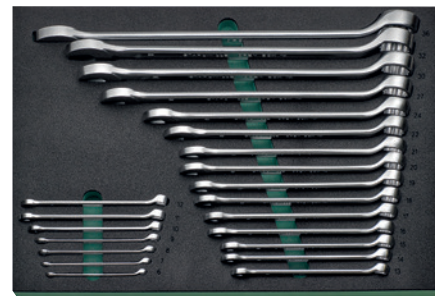
**96830289**



**96830291**



**96830292**



**96830290**

**Contains 238-pieces:**

**96830288**

- 23 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34; 36 mm
- 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

- 3 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27
- 6 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T40; T45; T50; T55; T60
- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm



## Tool assortments

4 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 4; 5; 6; 8 mm  
6 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 44KTX**: T8; T9; T10; T15; T20; T25  
1 square drive adaptor **No. 410**:  $\frac{1}{4}$ " to  $\frac{1}{2}$ "  
1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm  
1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm  
1 telescopic ratchet  $\frac{1}{2}$ " **No. 516**: L. 410-630 mm  
1 QuickRelease T-handle  $\frac{1}{2}$ " **No. 506QR**: L. 300 mm  
2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm  
1 QuickRelease universal joint  $\frac{1}{2}$ " **No. 510QR**: L. 80 mm  
1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm  
1 QuickRelease drive handle  $\frac{1}{4}$ " **No. 400QR**: L. 150 mm  
2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: L. 54; 150 mm  
1 QuickRelease T-handle  $\frac{1}{4}$ " **No. 404QR**: L. 116 mm  
1 QuickRelease universal joint  $\frac{1}{4}$ " **No. 407QR**: L. 45 mm  
1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm  
1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm  
1 QuickRelease extensions  $\frac{3}{8}$ " **No. 427QR**: L. 160 mm  
1 square drive adaptor **No. 432**:  $\frac{3}{8}$ " to  $\frac{1}{2}$ "  
1 square drive adaptor **No. 431**:  $\frac{3}{8}$ " to  $\frac{1}{4}$ "  
1 automotive circuit tester **No. 12905**: 6-12 and 24 V  
1 L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
2 L-Keys hex **No. 10765**: 12; 14 mm  
1 L-Key set TORX® **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40  
1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

### 96830289

3 pin punches **No. 108**: Ø 4; 6; 8 mm  
1 centre punch **No. 105**: Ø 12 mm  
4 pin punches **No. 108**: Ø 2; 3; 5; 10 mm  
1 engineer's hammer **No. 10961**: 500 g  
1 flat chisel **No. 102**: W. 24; L. 200 mm  
1 soft-face hammer **No. 10959**: Ø 50 mm  
1 cross-cut chisel **No. 103**: W. 18; L. 200 mm  
1 engineer's hammer **No. 10961**: 1500 g

1 gasket scraper **No. 12718**: L. 265 mm  
1 lever bar **No. 11007**: L. 400 mm  
1 magnetic lifter **No. 12600**: 3000 g  
1 tape measure **No. 12935**: L. 5 m  
1 flat file **No. 12036**: L. 260 mm  
1 half-round file **No. 12030**: L. 260 mm  
1 round file **No. 12025**: L. 210 mm  
1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
1 adjustable spanner **No. 4025**: max. 39 mm  
1 wire brush **No. 12374**: L. 290 mm

### 96830290

22 combination spanners **No. 14**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 36 mm

### 96830291

1 caliper **No. 12900**: Measuring range: 150 mm/6"  
1 PH cross-head screwdriver **No. 4734**: PH2  
1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
1 cable knife **No. 12320**: Blade length: 90 mm  
6 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30; T40  
3 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2; PH3  
4 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90; 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.2 x 8.0 x 150 mm  
1 PH cross-head screwdriver **No. 4632**: PH4  
1 torch **No. 13132**: 130 lm  
1 wooden folding ruler **No. 13112**: L. 2 m

### 96830292

8 circlip pliers **No. 6543-6546**: J1; J2; J11; J21; A1; A2; A11; A21  
1 side cutters **No. 6720**: L. 160 mm  
1 water pump pliers **No. 6572**: L. 240 mm  
1 telephone pliers **No. 6730**: L. 160 mm  
1 combination pliers **No. 6700**: L. 180 mm  
1 wire strippers: max. Ø 4 mm<sup>2</sup>  
1 crimping pliers **No. 6638**: L. 220 mm

TOOLS THAT  
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## WB 625/267QR



### 98830181 Tool assortment with workbench

- safely integrated in the modular Tool Control System (TCS)
- 1 workbench, anthracite **No. WB 625**: 7 drawers

Product no.	L mm	W mm	H mm	Number drawers	Content pcs.	kg
98830181	500	1150	1045	7	267	151



96830264



96830265



96830266



96830267



96830268



96830269



96830270



96830271



96830272



96830273



96830275



96830274

#### Contains 267-pieces:

##### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

##### 96830265

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm

- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

##### 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutter **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

##### 96830267

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
- 1 adjustable spanner **No. 4025** max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm



## Tool assortments

### 96830268

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm  
3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
1 cable knife **No. 12320**: Blade length: 90 mm  
1 tape measure **No. 12935**: L. 3 m  
1 mini magnetic lifter **No. 12600**: 270 g  
1 torch **No. 13132**: 130 lm  
1 wooden folding ruler **No. 13112**: L. 2 m  
1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40  
1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

### 96830269

1 engineer's hammer **No. 10961**: 500 g  
1 dead blow hammer **No. 10959**: Ø 35 mm  
1 flat chisel **No. 102**: W. 20; L. 175 mm  
1 pin punch **No. 108**: Ø 6 mm  
1 centre punch **No. 105**: Ø 10 mm  
1 pin punch **No. 109**: Ø 3.4 mm  
1 drift punch **No. 104**: Ø 4 mm

### 96830270

4 electrician's slotted screwdrivers **No. 4751**: 0.3 x 1.5; 0.4 x 2; 0.4 x 2.5; 0.5 x 3 mm  
3 electrician's PH cross-head screwdrivers **No. 4752**: PH00; PH0; PH1  
1 electronics needle nose pliers **No. 6711**: L. 130 mm  
1 mini electronics side cutters **No. 6708** L. 115 mm

### 96830271

1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22  
1 warding file set **No. 12800**: 6-pieces

1 flat file **No. 12036**: L. 260 mm  
1 gasket scraper **No. 12718**: L. 265 mm  
1 safety knife **No. 12965**: L. 165 mm  
1 wire brush **No. 12377**: L. 270 mm  
1 steel ruler **No. 13110**: L. 300 mm  
1 hacksaw **No. 12050**: Blade length: 300 mm  
1 scriber **No. 12322**: Ø 3.15 mm  
1 wire cutters **No. 13148**: L. 150 mm  
1 precision feeler gauges, 20 blades **No. 11095/20**: 0.05-1.00 mm

### 96830272

13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm  
15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

### 96830273

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

### 96830274

9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60  
10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm  
2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50  
2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm  
4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm  
8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40  
5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm

### 96830275

1 slotted screwdriver **No. 4620**: 1.0 x 5.5 x 125 mm  
4 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2; PZ3  
2 PH cross-head screwdrivers **No. 4734**: PH1; PH2  
1 voltage tester **No. 10554**: 125-250 V



# TOOL ASSORTMENTS IN TCS INLAYS.

## TCS 806/9



### 98830004 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
98830004	98	17.95



96838175



96838176



96838177



96838179



96838180



96838181



96838182



96838183



96838278

#### Contains 98-pieces:

##### 96838175

- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 3 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm

##### 96838176

- 10 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm
- 1 T-handle  $\frac{1}{4}$ " **No. 404**: L. 116 mm
- 2 extensions  $\frac{1}{4}$ " **No. 405**: L. 54; 150 mm
- 1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 38 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm
- 1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm
- 1 L-Key hex **No. 10760**: 12 mm
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

##### 96838177

- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

##### 96838179

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

##### 96838180

- 2 circlip pliers **No. 6543, 6545**: J2; A2
- 1 self-grip wrench **No. 6564**: L. 250 mm

##### 96838181

- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 2 pin punches **No. 108**:  $\varnothing$  6; L. 150, 175 mm
- 1 pin punch **No. 109**:  $\varnothing$  3.4 mm
- 1 nylon hammer **No. 10956**:  $\varnothing$  35 mm
- 1 engineer's hammer **No. 10961**: 500 g

##### 96838182

- 10 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm

##### 96838183

- 18 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm

##### 96838278

- 4 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3

## TCS 820/2



### 97830254 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	∅ kg
97830254	130	9.96



96830244



96830245

#### Contains 130-pieces:

##### 96830244

10 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm  
 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm  
 2 extensions  $\frac{1}{4}$ " **No. 405**: L. 54; 150 mm  
 1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm  
 1 extension  $\frac{1}{2}$ " **No. 509**: L. 130 mm  
 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 water pump pliers **No. 6551**: L. 240 mm  
 1 heavy-duty side cutters **No. 6721**: L. 160 mm  
 1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm  
 1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
 1 flat chisel **No. 102**: W. 17; L. 150 mm  
 1 engineer's hammer **No. 10961**: 300 g  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

##### 96830245

15 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 15; 15; 16; 17; 18; 19; 22; 24 mm  
 1 wooden folding ruler **No. 13112**: L. 2 m  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm; 9-piece  
 1 slotted screwdriver **No. 4620**: 0.8 x 4.0 x 100 mm  
 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
 2 PH cross-head screwdrivers **No. 4630**: PH1; PH2  
 3 TORX® screwdrivers **No. 4650**: T15; T20; T25



## TCS 821/6



## 97830255 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830255	157	14.5



96830264



96830265



96830266



96830267



96830268



96830269

## Contains 157-pieces:

## 96830264

- 11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm
- 2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**:  $\frac{1}{4}$ " to  $\frac{1}{2}$ "
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$ " to  $\frac{3}{8}$ "
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm

## 96830265

- 2 bit ratchet screwdrivers  $\frac{1}{4}$ " **No. 4008**: L. 95; 250 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

## 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

## 96830267

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

## 96830268

- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 torch **No. 13132**: 130 lm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

## 96830269

- 1 engineer's hammer **No. 10961**: 500 g
- 1 dead blow hammer **No. 10959**: Ø 35 mm
- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 1 pin punch **No. 108**: Ø 6 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 drift punch **No. 104**: Ø 4 mm

TOOLS THAT  
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# TCS 821/7



## 97830256 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
97830256	161	14.5



96830264



96830265



96830266



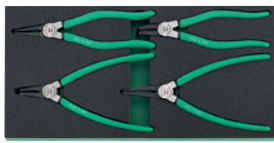
96830267



96830268



96830269



96830273

### Contains 161-pieces:

#### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**: 1/4" to 1/2"
- 1 square drive adaptor **No. 513**: 1/2" to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm

#### 96830265

- 2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm
- 1 bit holder 1/4" **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

#### 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

#### 96830267

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

#### 96830268

- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 torch **No. 13132**: 130 lm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

#### 96830269

- 1 engineer's hammer **No. 10961**: 500 g
- 1 dead blow hammer **No. 10959**: Ø 35 mm
- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 1 pin punch **No. 108**: Ø 6 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 drift punch **No. 104**: Ø 4 mm

#### 96830273

- 4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

## TCS 821/10



## 97830257 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	± kg
97830257	250	28



96830264



96830265



96830266



96830267



96830268



96830269



96830271



96830272



96830273



96830274

## Contains 250-pieces:

## 96830264

- 11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm
- 2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 1 square drive adaptor **No. 410**:  $\frac{1}{4}$  to  $\frac{1}{2}$ "
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm

## 96830265

- 2 bit ratchet screwdrivers  $\frac{1}{4}$ " **No. 4008**: L. 95; 250 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 4009**: L. 176 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

## 96830266

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

## 96830267

- 16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

- 1 adjustable spanner **No. 4025**: max. 34 mm
- 5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

## 96830268

- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 torch **No. 13132**: 130 lm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

## 96830269

- 1 engineer's hammer **No. 10961**: 500 g
- 1 dead blow hammer **No. 10959**:  $\varnothing$  35 mm
- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 1 pin punch **No. 108**:  $\varnothing$  6 mm
- 1 centre punch **No. 105**:  $\varnothing$  10 mm
- 1 pin punch **No. 109**:  $\varnothing$  3.4 mm
- 1 drift punch **No. 104**:  $\varnothing$  4 mm

## 96830271

- 1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22
- 1 warding file set **No. 12800**: 6-pieces
- 1 flat file **No. 12036**: L. 260 mm



## Tool assortments

- 1 gasket scraper **No. 12718**: L. 265 mm
- 1 safety knife **No. 12965**: L. 165 mm
- 1 wire brush **No. 12377**: L. 270 mm
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 hacksaw **No. 12050**: Blade length: 300 mm
- 1 tungsten carbide scribe **No. 12322**: Ø 3.15 mm
- 1 wire cutters **No. 13148**: L. 150 mm
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm

### 96830272

- 13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm
- 15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

### 96830273

- 4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

### 96830274

- 9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60
- 10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
- 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50
- 2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm
- 4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm
- 8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40
- 5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm

## TCS 821/12



### 97830258 Tool assortment

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
97830258	267	29.5



96830264



96830265



96830266



96830267



96830268



96830269



96830270



96830271



96830272



96830273



96830274



96830275

### Contains 267-pieces:

#### 96830264

- 11 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit adaptor, manual 1/4" **No. 3116**: L. 25 mm
- 2 QuickRelease extensions 1/2" **No. 509QR**: L. 130; 255 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm

1 square drive adaptor **No. 410**: 1/4 to 1/2"

1 square drive adaptor **No. 513**: 1/2 to 3/8"

1 bit holder 1/4" **No. 412**: L. 25 mm

#### 96830265

2 bit ratchet screwdrivers 1/4" **No. 4008**: L. 95; 250 mm

1 bit holder 1/4" **No. 4009**: L. 176 mm

1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) |

PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) |

T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm |

PH2;3 | PZ1;2 | T20;25 | 56-pieces

#### 96830266

1 water pump pliers **No. 6551**: L. 240 mm

1 heavy-duty side cutters **No. 6721**: L. 180 mm

1 telephone pliers **No. 6730**: L. 200 mm

1 combination pliers **No. 6700**: L. 180 mm

#### 96830267

16 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm

1 adjustable spanner **No. 4025**: max. 34 mm

5 combination ratchet spanners, flat **No. 17F**: 8; 10; 13; 17; 19 mm

#### 96830268

1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm

2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm

3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3

1 cable knife **No. 12320**: Blade length: 90 mm

1 tape measure **No. 12935**: L. 3 m

1 mini magnetic lifter **No. 12600**: 270 g

1 torch **No. 13132**: 130 lm

1 wooden folding ruler **No. 13112**: L. 2 m

1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40

1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

#### 96830269

1 engineer's hammer **No. 10961**: 500 g

1 dead blow hammer **No. 10959**: Ø 35 mm

1 flat chisel **No. 102**: W. 20; L. 175 mm

1 pin punch **No. 108**: Ø 6 mm

1 centre punch **No. 105**: Ø 10 mm

1 pin punch **No. 109**: Ø 3.4 mm

1 drift punch **No. 104**: Ø 4 mm

#### 96830270

4 electrician's slotted screwdrivers **No. 4751**: 0.3 x 1.5; 0.4 x 2; 0.4 x 2.5; 0.5 x 3 mm

3 electrician's PH cross-head screwdrivers **No. 4752**: PH00; PH0; PH1

1 electronics needle nose pliers **No. 6711**: L. 130 mm

1 mini electronics side cutters **No. 6708**: L. 115 mm

#### 96830271

1 screw extractor set **No. 900/6 T**: M3-M4; M5-M7; M8-M11;

M10-M12; M14-M16; M18-M22

1 warding file set **No. 12800**: 6-pieces

1 flat file **No. 12036**: L. 260 mm

1 gasket scraper **No. 12718**: L. 265 mm

1 safety knife **No. 12965**: L. 165 mm

1 wire brush **No. 12377**: L. 270 mm

1 steel ruler **No. 13110**: L. 300 mm

1 hacksaw **No. 12050**: Blade length: 300 mm

1 tungsten carbide scriber **No. 12322**: Ø 3.15 mm

1 wire cutters **No. 13148**: L. 150 mm

1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm

#### 96830272

13 combination spanners **No. 14**: 6; 8; 10; 13; 14; 17; 19; 21; 22; 24; 27; 30; 32 mm

15 double open-ended spanners **No. 12**: 3.2; 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

#### 96830273

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

#### 96830274

9 screwdriver sockets TORX® 1/2" **No. 54TX**: T20; T25; T27; T30; T40; T45; T50; T55; T60

10 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50

2 screwdriver sockets INHEX 1/2" **No. 1054/2054**: 6; 8 mm

4 screwdriver sockets INHEX 1/4" **No. 44**: 3; 4; 5; 6 mm

8 screwdriver sockets TORX® 1/4" **No. 44KTX**: T8; T10; T15; T20; T25; T27; T30; T40

5 screwdriver sockets INHEX 1/4" **No. 44K**: 3; 4; 5; 6; 8 mm

#### 96830275

1 slotted screwdriver **No. 4620**: 1.0 x 5.5 x 125 mm

4 PZ cross-head screwdrivers **No. 4640**: PZ0; PZ1; PZ2; PZ3

2 PH cross-head screwdrivers **No. 4734**: PH1; PH2

1 voltage tester **No. 10554**: 125-250 V

TOOLS THAT  
... inspire

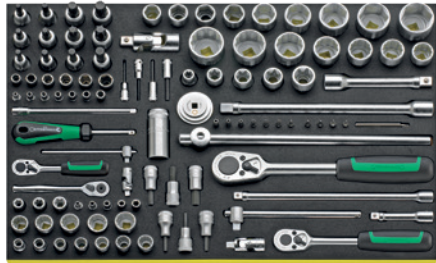
# TCS 1100 Porsche



## 97830411 Workshop set for Porsche

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830411	228	24.7



96830192



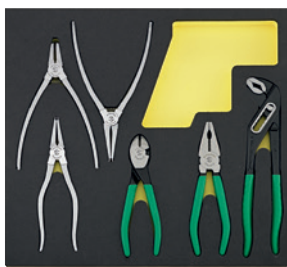
96830193



96830194



96830195



96830197



96830198



96831196

**Contains 228-pieces:**

**96830192**

- 13 sockets with hex 1/4" **No. 40:** 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 5 sockets TORX® 1/4" **No. 40TX:** E4; E5; E6; E7; E8
- 4 sockets INHEX 1/4" **No. 44:** 3; 4; 5; 6 mm
- 1 drive handle 1/4" **No. 400N:** L. 150 mm
- 1 T-handle 1/4" **No. 404:** L. 116 mm
- 1 extension 1/4" **No. 405:** L. 150 mm
- 1 universal joint 1/4" **No. 407:** L. 38 mm
- 1 square drive adaptor **No. 409M:** 1/4 to 3/8"
- 1 ratchet 1/4" **No. 415-2K:** L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N:** L. 117 mm
- 12 sockets with bi-hex 3/8" **No. 45:** 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 3 sockets TORX® 3/8" **No. 45TX:** E10; E12; E14
- 1 socket long, with bi-hex 3/8" **No. 46:** 3/8 to 20.8 mm-13/16"
- 6 screwdriver sockets INHEX 3/8" **No. 49:** 4; 5; 6; 7; 8; 10 mm
- 1 T-handle 3/8" **No. 425:** L. 165 mm
- 2 extensions 3/8" **No. 427:** L. 76; 240 mm
- 1 universal joint 3/8" **No. 428:** L. 46 mm
- 1 square drive adaptor **No. 432M:** 3/8 to 1/2"
- 1 ratchet 3/8" **No. 435-2K:** L. 193 mm
- 7 sockets with hex 1/2" **No. 50:** 19; 21; 22; 24; 27; 30; 32 mm
- 5 sockets TORX® 1/2" **No. 50TX:** E11; E16; E18; E20; E24
- 9 sockets with hex 1/2" **No. 52:** 16; 17; 18; 19; 22; 24; 27; 30; 32 mm
- 4 sockets INHEX 1/2" **No. 54:** 6; 7; 8; 10 mm
- 4 screwdriver sockets TORX® 1/2" **No. 54TX:** T45; T50; T55; T60
- 4 screwdriver sockets XZN® 1/2" **No. 54X:** M6; M8; M12; M14
- 1 T-handle 1/2" **No. 506:** L. 300 mm

- 2 extensions 1/2" **No. 509:** L. 130; 255 mm
- 1 universal joint 1/2" **No. 510:** L. 71 mm
- 1 ratchet 1/2" **No. 512-2K:** L. 265.5 mm
- 1 square drive adaptor **No. 514M:** 1/2 to 3/4"
- 5 bits TORX® **No. 1410-1427:** T6; T7; T8; T9; T25
- 7 bits TORX® **No. 1440-1446:** T10; T15; T20; T25; T27; T30; T40

**96830193**

- 3 double open-ended spanners **No. 12:** 5.5; 12; 14 mm
- 20 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 22; 24; 30; 32; 36 mm
- 1 combination spanner **No. 14:** 17 mm

**96830194**

- 5 double-ended ring spanners **No. 20:** 10 x 11; 12 x 13; 14 x 15; 17 x 19; 19 x 22 mm
- 3 double-ended ring spanners TORX® **No. 21TX:** E6 x E8; E10 x E12; E14 x E18
- 11 double-ended ring spanners **No. 23:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 30 x 32 mm
- 5 double-ended ring spanners **No. 24:** 8 x 10; 11 x 13; 12 x 14; 17 x 19; 22 x 24 mm

**96830195**

- 7 double-ended flex spanners **No. 29:** 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm

**96830197**

1 combination pliers **No. 6700**: L. 180 mm  
 3 circlip pliers **No. 6543, 6545, 6546**: J2; A2; A21  
 1 water pump pliers **No. 6551**: L. 240 mm  
 1 heavy-duty side cutters **No. 6721**: L. 160 mm

**96830198**

1 ribbed flat chisel **No. 100**: B.20; L. 150 mm  
 1 centre punch **No. 105**: Ø 12 mm  
 2 drift punches **No. 104**: Ø 4; 6 mm  
 1 pin punch **No. 108**: Ø 4 mm  
 2 engineer's hammers **No. 10961**: 300; 500 g  
 1 soft face hammer **No. 10940**: Ø 55 mm  
 1 plastic hammer **No. 10955**: Ø 32 mm  
 1 triangular special scraper **No. 10670**: L. 265 mm  
 1 flat file **No. 12036**: L. 260 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
 1 strap wrench **No. 12005**: L. 600 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 scriber **No. 12321**: L. 250 mm  
 1 automotive circuit tester **No. 12905**: 6-12 and 24 V

**96831196**

4 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125;  
 1.6 x 10.0 x 175; 2.0 x 12.0 x 200 mm  
 1 PH cross-head screwdriver **No. 4630**: PH1  
 1 PH cross-head screwdriver **No. 4632**: PH3  
 10 TORX® screwdrivers **No. 4650**: T6; T7; T8; T9; T10; T15; T20; T25;  
 T27; T30  
 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
 1 PH cross-head screwdriver **No. 4734**: PH2  
 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 1 L-Key set TORX® **No. 10766/9**: T8; T9; T10; T15; T20; T25; T27;  
 T30; T40



## TCS 1120 VW/AUDI



### 97830820 Workshop set for VW/Audi (basic)

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830820	241	30.7



96830166



96830877



96831584



96831585



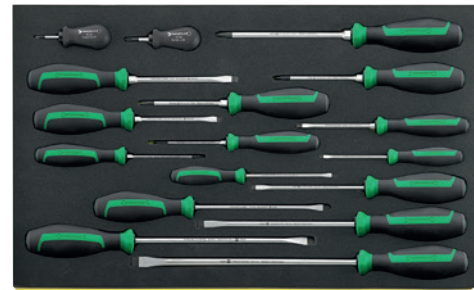
96831608



96831609



96831610



96831613



96831614



96831615

**Contains 241-pieces:**

**96830166**

10 double-ended ring spanners **No. 20:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

**96830877**

10 screwdriver sockets INHEX 1/2" **No. 54:** 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm  
4 screwdriver sockets INHEX 1/2" **No. 54KK:** 5; 6; 8; 10 mm

**96831584**

1 combination pliers **No. 6700:** 180 mm  
1 flat nose round pliers **No. 6730:** L. 160 mm  
4 circlip pliers **No. 6543-6546:** J2, J21; A2; A21  
1 water pump pliers **No. 6572:** L. 240 mm  
1 heavy-duty side cutters **No. 6721:** 180 mm

**96831585**

1 self grip wrench **No. 6563:** L. 250 mm  
2 flat chisels **No. 102:** W. 17; 23; L. 150; 200 mm  
1 centre punch **No. 105:** Ø 10 mm  
5 pin punches **No. 108:** Ø 3; 4; 5; 6; 8 mm  
1 engineer's hammer **No. 10961:** 500 g  
1 nylon hammer **No. 10956N:** Ø 35 mm  
1 gasket scraper **No. 12718:** W. 33; L. 265 mm  
1 tyre lever **No. 39 PKW:** L. 400 mm  
1 precision feeler gauges, 20 blades **No. 11095:** 0.05-1.00 mm  
1 cable knife **No. 12320:** Blade length: 90 mm  
1 tape measure **No. 12935:** L. 3 m  
1 magnetic lifter **No. 12600:** 500 g  
1 tyre-tread caliper **No. 12900/3:** Measuring range: 0-30 mm  
1 telescopic mirror **No. 12920N:** L. 310-750 mm  
1 brake caliper brush, steel wire **No. 12373:** L. 230 mm  
1 automotive voltage tester set **No. 7756:** 3-48 V

**96831608**

12 sockets with hex  $\frac{1}{4}$ " **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 4 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6 mm  
 4 sockets TORX®  $\frac{1}{4}$ " **No. 40TX**: E4; E5; E6; E8  
 1 screwdriver socket slotted  $\frac{1}{4}$ " **No. 41K**: 1.0 x 5.5 mm  
 2 screwdriver sockets PHILLIPS®  $\frac{1}{4}$ " **No. 44PH**: PH1; PH2  
 8 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 44KTX**: T10; T15; T20; T25; T27  
 12 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 8; 9; 10; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm  
 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm  
 8 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T25; T27; T30; T40; T45; T50; T55; T60  
 4 bits TORX® **No. 1410-1413**: T6; T7; T8; T9  
 3 Wobble-Drive extensions  $\frac{1}{4}$ " **No. 405W**: L. 54; 100; 150 mm  
 1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 37 mm  
 1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
 1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 3 Wobble-Drive extensions  $\frac{1}{2}$ " **No. 509W**: L. 52; 130; 255 mm  
 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm  
 1 IMPACT square drive adaptor **No. 513IMP**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "  
 1 IMPACT square drive adaptor **No. 514IMP**:  $\frac{1}{2}$  to  $\frac{3}{4}$ "  
 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm  
 1 IMPACT square drive adaptor **No. 568IMP**:  $\frac{3}{4}$  to  $\frac{1}{2}$ "  
 1 sliding head for T-handle  $\frac{3}{4}$ " **No. 556**: L. 61.5 mm  
 1 handle  $\frac{3}{4}$ " **No. 558**: L. 510 mm  
 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm  
 1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm

**96831609**

6 combination ratchet spanners **No. 17**: 8; 10; 12; 13; 17; 19 mm

**96831610**

7 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 54X**: M5; M6; M8; M10; M12; M14; M16  
 6 sockets TORX®  $\frac{1}{2}$ " **No. 50TX**: E10; E12; E14; E16; E18; E20  
 1 screwdriver socket XZN®  $\frac{1}{2}$ " **No. 1054X**: M8  
 3 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 3054X**: M10; M12; M14  
 1 screwdriver socket XZN®  $\frac{3}{4}$ " **No. 59X**: M18  
 2 IMPACT sockets with bi-hex  $\frac{1}{2}$ " **No. 50D IMP**: 32; 36 mm  
 2 IMPACT wheel nut sockets with hex  $\frac{1}{2}$ " **No. 2309IMP K**: 17; 19 mm

**96831613**

7 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8 x 175; 1.6 x 10 x 200; 2 x 12 x 250 mm  
 3 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4 x 90; 1 x 5.5 x 100; 1.2 x 6.5 x 125 mm  
 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3  
 2 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2  
 1 slotted screwdriver **No. 4724**: 0.6 x 3.5 x 25 mm  
 1 PH cross-head screwdriver **No. 4734**: PH2

**96831614**

10 TORX® screwdrivers **No. 4650**: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30  
 1 L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 1 L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40

**96831615**

20 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm  
 1 double-ended ring spanner **No. 20**: 10 x 11 mm



## TCS 1120/1 VW



### 97830821 Supplementary set VW

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
97830821	66	6.6



96831601



96831602



96831607

#### Contains 66-pieces:

##### 96831601

- 3 nut spinners **No. 12507**: 8; 10; 13 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 140 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 1 side cutters **No. 6720**: L. 140 mm
- 1 heavy-duty side cutters **No. 6721**: L. 200 mm

##### 96831602

- 10 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

##### 96831607

- 1 socket long, with bi-hex  $\frac{1}{4}$ " **No. 40DL**: 8 mm
- 1 socket long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 12 mm
- 8 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 51**: 10; 13; 14; 15; 16; 17; 18; 19 mm
- 5 screwdriver sockets TORX® **No. 54TX**: T30; T40; T45; T50; T55
- 3 bits PHILLIPS® **No. PH 1221-1223**: PH1; PH2; PH3
- 3 bits POZIDRIV® **No. PZ 1221-1223**: PZ1; PZ2; PZ3
- 5 bits slotted **No. 1162; 1164; 1168; 1166; 1166/1**: 0.6 x 3.5; 0.8 x 4; 1.6 x 8; 1 x 5.5; 1.2 x 6.5 mm
- 1 bit slotted **No. 1299**: 2 mm
- 5 bits hex **No. 1300-1304**: 3; 4; 5; 6; 8 mm
- 13 bits TORX® **No. 1410-1421; 1435**: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40; T45; T55
- 1 bit ratchet  $\frac{1}{4}$ " **No. 415B-2K**: L. 117 mm
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm

TOOLS THAT  
... inspire

## TCS 1120/2 AUDI



### 97830822 Supplementary set for Audi

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	Weight kg
97830822	73	8.04



96831601



96831602



96831603



96831695

#### Contains 73-pieces:

##### 96831601

- 3 nut spinners **No. 12507**: 8; 10; 13 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 140 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 1 side cutters **No. 6720**: L. 140 mm
- 1 heavy-duty side cutters **No. 6721**: L. 200 mm

##### 96831602

- 10 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

##### 96831603

- 5 bits  $\frac{1}{4}$ " **No. 1350, 1356-1359**: M4; M5; M6; M8; M10
- 1 bit holder  $\frac{5}{16}$ " **No. 543**: L. 38 mm
- 3 nut spinners **No. 12506-2K**: 6; 7; 8 mm
- 1 bit holder insert tool  $\frac{5}{16}$ " **No. 736/10**: 9 x 12 mm
- 1 bit holder insert tool  $\frac{1}{4}$ " **No. 736/10**: 9 x 12 mm

##### 96831695

- 10 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 10 uniflex sockets with bi-hex  $\frac{3}{8}$ " **No. 47**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 12 sockets with hex  $\frac{3}{8}$ " **No. 456**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm
- 3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 160; 240 mm
- 3 Wobble-Drive extensions  $\frac{3}{8}$ " **No. 427W**: L. 76; 125; 160 mm
- 1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm
- 4 TORX® screwdrivers long **No. 4650L**: T15; T20; T25; T30
- 1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm



# TCS 2500 BMW



## 97830600 Workshop tool set for BMW automotive

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830600	285	27.8



96830602



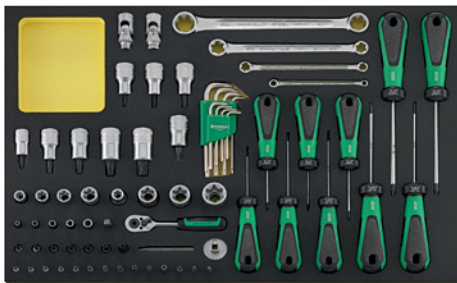
96830603



96830604



96830605



96830607



96830608



96830609



96830622



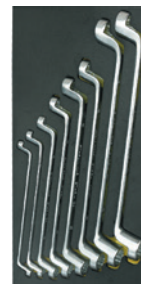
96830679



96830706



96838177



96838192

### Contains 285-pieces:

#### 96830602

16 sockets with hex  $\frac{3}{8}$ " **No. 456**: 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm

4 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 10; 11; 12; 13 mm

7 uniflex sockets with bi-hex  $\frac{3}{8}$ " **No. 47**: 10; 11; 12; 13; 14; 15; 16 mm

1 screwdriver socket INHEX  $\frac{3}{8}$ " **No. 1049**: 9 mm

3 screwdriver sockets XZN®  $\frac{3}{8}$ " **No. 49X**: M6; M8; M10

3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 125; 240 mm

1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm

1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "

1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "

1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm

1 QuickRelease fine-tooth flexible ratchet  $\frac{3}{8}$ " **No. 452QR**: L. 300 mm

#### 96830603

1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm

4 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 (2 x) mm

1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm

1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm

1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "

1 square drive adaptor **No. 514**:  $\frac{1}{2}$  to  $\frac{3}{4}$ "

#### 96830604

3 screwdriver sockets INHEX  $\frac{3}{8}$ " **No. 49**: 5; 6; 7 mm

5 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 8; 10; 12; 14; 17 mm

2 IMPACT wheel nut sockets with hex **No. 2309IMP K**: 17; 19 mm

2 sockets with hex **No. 12506**: 6; 7 mm

**96830605**

9 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm  
 20 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm  
 1 double-ended ring spanner **No. 24:** 10 x 11 mm

**96830607**

4 double-ended ring spanners TORX® **No. 21TX** E6 x E8; E10 x E12; E14 x E18; E20 x E24  
 5 sockets TORX® 1/4" **No. 40TX:** E4; E5; E6; E7; E8  
 7 screwdriver sockets TORX®, with hole 1/4" **No. 44KTXB:** T10; T15; T20; T25; T27; T30; T40  
 1 square drive adaptor **No. 409M:** 1/4 to 3/8  
 1 bit ratchet 1/4" **No. 415B-2K:** L. 117 mm  
 1 bit adaptor, manual 1/4" **No. 3116:** L. 50 mm  
 3 sockets TORX® 3/8" **No. 45TX:** E10; E12; E14  
 2 uniflex sockets TORX® 3/8" **No. 47TX:** E8; E10  
 1 screwdriver socket TORX® 3/8" **No. 49TX:** T40  
 5 sockets TORX® 1/2" **No. 50TX:** E11; E16; E18; E20; E24  
 4 screwdriver sockets TORX® 1/2" **No. 54TX:** T45; T50; T55; T60  
 4 screwdriver sockets TORX®, with hole 1/2" **No. 54TXB:** T30; T40; T45; T50  
 3 bits POZIDRIV® **No. PZ 1221-1223:** PZ1; PZ2; PZ3  
 4 bits TORX® **No. 1410-1413:** T6; T7; T8; T9  
 1 bit TORX® **No. 1427:** T25  
 7 bits TORX® **No. 1440-1446:** T10; T15; T20; T25; T27; T30; T40  
 10 TORX® screwdrivers **No. 4856:** T6; T7; T8; T9; T10; T15; T20; T25; T27; T30  
 1 L-Key set TORX® **No. 10766/8:** T9; T10; T15; T20; T25; T27; T30; T40

**96830608**

4 circlip pliers **No. 6543-6546:** J2; J21; A2; A21

**96830609**

1 flat chisel **No. 102:** W. 23; L. 200 mm  
 1 cross-cut chisel **No. 103:** W. 17; L. 150 mm  
 1 centre punch **No. 105:** Ø 10 mm  
 5 pin punches **No. 108:** Ø 3; 4; 5; 6; 8 mm  
 1 dead blow hammer **No. 10959:** Ø 40 mm  
 1 engineer's hammer **No. 10961:** 500 g  
 1 brake caliper brush, steel wire **No. 12373:** L. 230 mm  
 1 magnetic lifter **No. 12600:** 500 g  
 1 gasket scraper **No. 12718:** L. 265 mm  
 1 tape measure **No. 12935:** L. 3 m  
 1 tyre lever **No. 39 PKW:** L. 400 mm  
 1 self-grip wrench **No. 6564:** L. 250 mm

**96830622**

1 combination pliers **No. 6700:** L. 180 mm  
 1 telephone pliers **No. 6730:** L. 200 mm  
 1 water pump pliers **No. 6572:** L. 240 mm  
 1 heavy-duty side cutters **No. 6721:** L. 160 mm

**96830679**

10 sockets with hex 1/4" **No. 40:** 3; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 1 socket long, with hex **No. 40L:** 4.5 mm  
 3 screwdriver sockets slotted 1/4" **No. 41K:** 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm  
 5 screwdriver sockets INHEX 1/4" **No. 44K:** 3; 4; 5; 6; 8 mm  
 4 screwdriver sockets PHILLIPS® 1/4" **No. 44PH:** PH1; PH2; PH3; PH4  
 1 drive handle 1/4" **No. 400N:** L. 150 mm  
 1 T-handle 1/4" **No. 404:** L. 116 mm  
 3 extensions 1/4" **No. 405:** L. 54; 100; 150 mm  
 1 universal joint 1/4" **No. 407:** L. 38 mm  
 1 square drive adaptor **No. 409:** 1/4 to 3/8"  
 1 bit holder 1/4" **No. 412:** L. 25 mm  
 1 ratchet 1/4" **No. 415-2K:** L. 117 mm  
 1 bit holder insert tool 5/16" **No. 736/40:** 14 x 18 mm  
 1 bit TORX® **No. 1435:** T55

**96830706**

1 electrician's slotted screwdriver **No. 4628:** 0.4 x 2.5 x 60 mm  
 1 slotted screwdriver **No. 4724:** 1.0 x 5.5 x 25 mm  
 1 PH cross-head screwdriver **No. 4734:** PH2  
 1 PZ cross-head screwdriver **No. 4744:** PZ1  
 5 slotted screwdrivers **No. 4820:** 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.2 x 6.5 x 150; 1.6 x 10.0 x 200; 2.0 x 12.0 x 250 mm  
 3 PH cross-head screwdrivers **No. 4830:** PH1; PH2; PH3  
 1 PZ cross-head screwdriver **No. 4840:** PZ1  
 1 automotive voltage tester set **No. 7756:** 3-48 V  
 1 L-Key set hex **No. 10767/9:** 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 1 claw lifter **No. 12922:** Ø 6 mm

**96838177**

17 sockets with hex 1/2" **No. 52:** 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm

**96838192**

8 double-ended ring spanners **No. 20:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22 mm

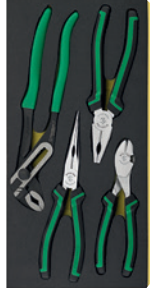
# TCS 2501 BMW



## 97830606 Workshop set for BMW motorbikes

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830606	215	27.5



96830622



96832095



96832096



96832097



96832098



96832099



96832100



96832101



96832102

### Contains 215-pieces:

#### 96830622

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

#### 96832095

- 11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 2 sockets TORX®  $\frac{1}{4}$ " **No. 40TX**: E8; E10
- 5 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6; 8 mm
- 8 screwdriver sockets TORX®, with hole  $\frac{1}{4}$ " **No. 44KTXB**: T8; T10; T15; T20; T25; T27; T30; T40
- 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm
- 1 T-handle  $\frac{1}{4}$ " **No. 404**: L. 116 mm
- 2 extensions  $\frac{1}{4}$ " **No. 405**: L. 54; 100 mm
- 1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 38 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm
- 1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm
- 4 sockets TORX®  $\frac{3}{8}$ " **No. 45TX**: E8; E10; E12; E14
- 3 sockets INHEX  $\frac{3}{8}$ " **No. 49**: 5; 6; 8 mm
- 2 sockets TORX®  $\frac{3}{8}$ " **No. 49TX**: T25; T45

- 1 T-handle  $\frac{3}{8}$ " **No. 425**: L. 165 mm
- 2 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 240 mm
- 1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm
- 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "
- 1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "
- 1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm
- 15 sockets with hex  $\frac{3}{8}$ " **No. 456**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22 mm
- 17 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm
- 2 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 10; 12 mm
- 4 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T40; T50; T55; T60
- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 2 extensions  $\frac{1}{2}$ " **No. 509**: L. 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm
- 1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "
- 2 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 1054TX**: T50; T55
- 2 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 2054TX**: T40; T45

**96832096**

25 combination spanners **No. 13:** 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 29; 30; 32; 34 mm

**96832097**

10 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 18 x 21; 20 x 22  
2 double-ended ring spanners TORX® **No. 21TX:** E6 x E8; E10 x E12

**96832098**

5 slotted screwdrivers **No. 4621:** 0.4 x 2.5 x 80; 0.5 x 3.5 x 90; 0.6 x 4.0 x 100; 1.0 x 6.5 x 140; 1.2 x 8.0 x 160 mm  
2 PH cross-head screwdrivers **No. 4631:** PH1; PH2  
3 PH cross-head screwdrivers **No. 4632:** PH1; PH2; PH3  
1 slotted screwdriver **No. 4724:** 1.0 x 5.5 x 25 mm  
1 PH cross-head screwdriver **No. 4734:** PH2  
1 slotted screwdriver **No. 10506:** 0.8 x 4.0 x 300 mm  
1 slotted screwdriver **No. 10518:** 1.0 x 5.5 x 410 mm  
1 magnetic lifter **No. 12600:** 500 g  
1 claw lifter **No. 12922:** Ø 6 mm

**96832099**

9 TORX® screwdrivers with T-handle **No. 10769:** T9; T10; T15; T20; T25; T30; T40; T45; T50  
1 L-Key set TORX® **No. 10771/8:** T9; T10; T15; T20; T25; T27; T30; T40

**96832100**

1 telephone pliers **No. 6730:** L. 200 mm  
1 telephone pliers **No. 6731:** L. 200 mm  
4 circlip pliers **No. 6543, 6545:** J1; J2; A1; A2

**96832101**

1 flat chisel **No. 102:** W. 23; L. 200 mm  
1 cross-cut chisel **No. 103:** W. 17; L. 150 mm  
1 centre punch **No. 105:** Ø 10 mm  
6 pin punches **No. 108:** Ø 2.5; 3; 4; 5; 6; 8 mm  
1 glass scraper **No. 10356:** L. 165 mm  
1 triangular special scraper **No. 10670:** L. 285 mm  
1 flat scraper **No. 10672:** L. 315 mm  
1 dead blow hammer **No. 10959:** Ø 40 mm  
2 engineer's hammers **No. 10961:** 300; 500 g  
1 wire brush **No. 12374:** L. 290 mm  
1 caliper **No. 12900:** Measuring range: 150 mm/6"  
1 safety knife **No. 12965:** L. 174 mm

**96832102**

1 socket long, with bi-hex  $\frac{3}{8}$ " **No. 46:** 20.8 mm/ $\frac{13}{16}$ "  
1 spark plug socket long, with rubber insert and bi-hex  $\frac{3}{8}$ " **No. 4600:** 16 mm/ $\frac{5}{8}$ "  
1 spark plug socket long, with rubber insert and hex  $\frac{3}{8}$ " **No. 4606:** 18 mm/ $\frac{11}{16}$ "  
1 ball-ended L-Key set hex **No. 10767/9:** 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
7 hex screwdrivers with T-handle **No. 10768:** 2.5; 3; 4; 5; 6; 8; 10 mm  
2 nut spinners **No. 12507:** 8; 10 mm



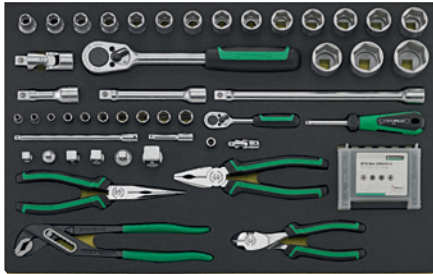
## TCS 2502 BMW



### 97830607 Workshop set for BMW motorbikes

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830607	139	12.4



96830180



96830181



96830182



96833414

Contains 139-pieces:

#### 96830180

- 10 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 square drive adaptor **No. 409**: 1/4 to 3/8"
- 1 square drive adaptor **No. 410**: 1/4 to 1/2"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 square drive adaptor **No. 432**: 3/8 to 1/2"
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 3 extensions 1/2" **No. 509**: L. 75; 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 ratchet 1/2" **No. 512-2K**: 265.5 mm
- 1 square drive adaptor **No. 513**: 1/2 to 3/8"
- 1 square drive adaptor **No. 514**: 1/2 to 3/4"
- 1 bit box **No. 1204/21-1**: 4 x PH; 4 x PZ; 9 x TORX®; 3 x hex
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

#### 96830181

- 5 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 warding file set **No. 12800**: 6-pieces

#### 96830182

- 15 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm
- 5 combination ratchet spanners **No. 17**: 8; 10; 13; 17; 19 mm
- 1 centre punch and pin punch set, 6-piece **No. 105-108/6**: No. 105/Ø 10 mm; No. 108/Ø 2.5; 3; 4; 5; 6 mm
- 1 engineer's hammer **No. 10961**: 300 g
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m

#### 96833414

- 2 screwdriver sockets INHEX, extra long 1/2" **No. 1054**: 8; 10 mm
- 2 screwdriver sockets INHEX, extra long 1/2" **No. 2054**: 5; 6 mm
- 2 screwdriver sockets TORX® 1/2" **No. 1054TX**: T30; T50
- 2 screwdriver sockets TORX® 1/2" **No. 2054TX**: T40; T45

# TCS 3022 Mercedes Benz



## 97830209 Workshop set for Mercedes-Benz trucks

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830209	264	47.8



96830172



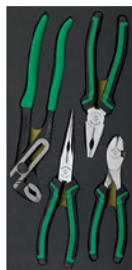
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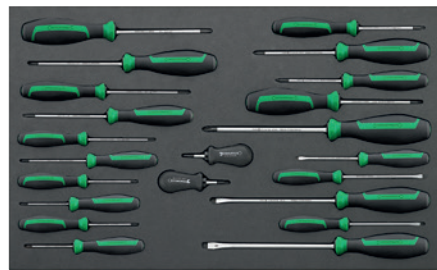
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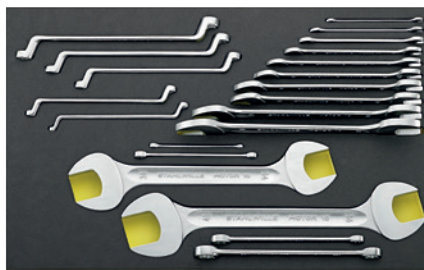
96830608



96830622



96833399



96833401



96833402



96833403



96833404



96833413



96833400

### Contains 264-pieces:

#### 96830172

- 2 IMPACT sockets long, with hex 1/2" **No. 51IMP**: 24; 27 mm
- 9 screwdriver sockets INHEX 1/2" **No. 54**: 5; 6; 7; 8; 10; 12; 14; 17; 19 mm
- 1 IMPACT socket long, with hex 1/2" **No. 2309IMP**: 22 mm
- 3 IMPACT wheel nut sockets with hex 1/2" **No. 2309IMP K**: 17; 19; 21 mm

#### 96830174

- 21 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32; 34 mm

#### 96830221

- 11 sockets with hex 3/4" **No. 55**: 22; 24; 27; 30; 32; 34; 36; 38; 41; 46; 50 mm
- 1 ratchet 3/4" **No. 552**: L. 165 mm
- 1 sliding head for T-handle 3/4" **No. 556**: L. 61.5 mm



## Tool assortments

1 handle **No. 558**: L. 510 mm  
2 extensions  $\frac{3}{4}$ " **No. 559**: L. 200; 400 mm  
1 square drive adaptor **No. 568**:  $\frac{3}{4}$  to  $\frac{1}{2}$ "

### 96830608

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

### 96830622

1 combination pliers **No. 6700**: L. 180 mm  
1 telephone pliers **No. 6730**: L. 200 mm  
1 water pump pliers **No. 6572**: L. 240 mm  
1 heavy-duty side cutters **No. 6721**: L. 160 mm

### 96833399

3 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.2 x 6.5 x 150 mm  
2 slotted screwdrivers **No. 4621**: 0.5 x 3.5 x 90; 1.2 x 8.0 x 160 mm  
3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
2 PZ cross-head screwdrivers **No. 4640**: PZ1; PZ2  
10 TORX® screwdrivers **No. 4650**: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30  
1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
1 PH cross-head screwdriver **No. 4734**: PH2

### 96833400

9 double-ended ring spanners **No. 20**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22 mm

### 96833401

12 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32; 34 x 36; 36 x 41 mm  
5 double-ended ring spanners **No. 20**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15 mm  
4 double-ended ring spanners TORX® **No. 21TX**: E6 x E8; E10 x E12; E14 x E18; E20 x E24

### 96833402

2 flat chisels **No. 102**: W. 17; 23; L. 150; 200 mm  
1 centre punch **No. 105**: Ø 12 mm  
5 pin punches **No. 108**: Ø 3; 4; 5; 6; 8 mm  
1 dead blow hammer **No. 10959**: Ø 50 mm  
2 engineer's hammers **No. 10961**: 500; 1000 g  
1 steel wire brush **No. 12374/2**: L. 290 mm  
1 magnetic lifter **No. 12600**: 3000 g

### 96833403

1 fine scraper **No. 10669**: L. 147 mm  
1 L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
1 L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40  
1 round file **No. 12025**: L. 210 mm  
1 half-round file **No. 12030**: L. 260 mm  
1 triangular file **No. 12035**: L. 210 mm  
1 flat file **No. 12036**: L. 260 mm  
1 gasket scraper **No. 12718**: L. 265 mm  
1 caliper **No. 12900**: Measuring range: 150 mm/6"  
1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
1 tape measure **No. 12935**: L. 3 m

### 96833404

21 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32; 34 mm  
5 sockets TORX®  $\frac{1}{2}$ " **No. 50TX**: E11; E16; E18; E20; E24  
3 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T50; T55; T60  
6 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 54X**: M6; M8; M10; M12; M14; M16  
1 flexible handle  $\frac{1}{2}$ " **No. 504**: L. 397 mm  
1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm  
3 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 mm  
3 Wobble-Drive extensions  $\frac{1}{2}$ " **No. 509W**: L. 52; 130; 255 mm  
1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm  
1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm  
1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "  
1 square drive adaptor **No. 514**:  $\frac{1}{2}$  to  $\frac{3}{4}$ "

### 96833413

12 sockets with hex  $\frac{1}{4}$ " **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
5 sockets TORX®  $\frac{1}{4}$ " **No. 40TX**: E4; E5; E6; E7; E8  
3 screwdriver sockets slotted  $\frac{1}{4}$ " **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm  
5 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6; 8 mm  
2 screwdriver sockets PHILLIPS®  $\frac{1}{4}$ " **No. 44PH**: PH1; PH2  
2 screwdriver sockets POZIDRIV®  $\frac{1}{4}$ " **No. 44PZ**: PZ1; PZ2  
1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm  
1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm  
1 T-handle  $\frac{1}{4}$ " **No. 404**: L. 116 mm  
1 bit ratchet  $\frac{1}{4}$ " **No. 415B-2K**: L. 117 mm  
1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
2 extensions  $\frac{1}{4}$ " **No. 405**: L. 54; 150 mm  
1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 38 mm  
1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
3 sockets TORX®  $\frac{3}{8}$ " **No. 45TX**: E10; E12; E14  
2 screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 49TX**: T40; T45  
1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm  
1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 160; 240 mm  
1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm  
1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
5 bits TORX® **No. 1410-1427**: T6; T7; T8; T9; T25  
7 bits TORX® **No. 1440-1446**: T10; T15; T20; T25; T27; T30; T40

# TCS 3026 Mercedes Benz



## 97830208 Workshop set for Mercedes-Benz cars

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	± kg
97830208	306	43



96830166



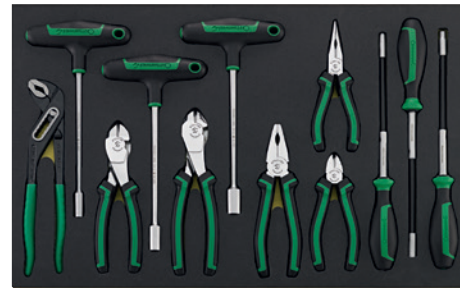
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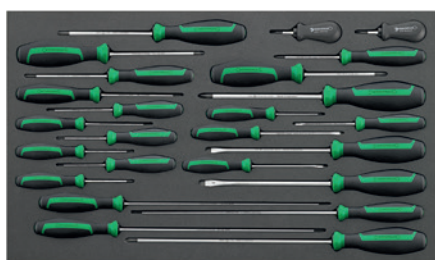
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96831609



96833415



96833416



96833417



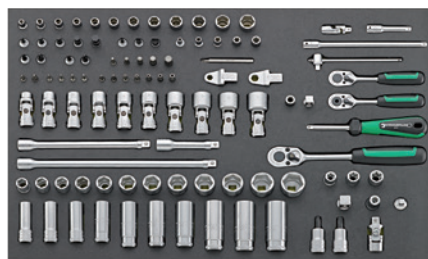
96833418



96833419



96833420



96833442



96833460

### Contains 306-pieces:

#### 96830166

10 double-ended ring spanners **No. 20**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

#### 96830353

10 double open-ended spanners **No. 10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22; 24 x 27; 30 x 32 mm

#### 96830608

4 circlip pliers **No. 6543-6546**: J2; J21; A2; A21

#### 96831609

6 combination ratchet spanners **No. 17**: 8; 10; 12; 13; 17; 19 mm

#### 96833415

3 nut spinners **No. 12506**: 6; 7; 8 mm

3 nut spinners **No. 12507**: 8; 10; 13 mm

1 combination pliers **No. 6700**: L. 180 mm

1 telephone pliers **No. 6730**: L. 160 mm

1 water pump pliers **No. 6551**: L. 240 mm

1 side cutters **No. 6720**: L. 140 mm

2 heavy-duty side cutters **No. 6721**: L. 180; 200 mm

## Tool assortments

### 96833416

3 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.2 x 6.5 x 150 mm  
2 slotted screwdrivers **No. 4621**: 0.5 x 3.5 x 90; 1.2 x 8.0 x 160 mm  
1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm  
3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3  
9 TORX® screwdrivers **No. 4650**: T6; T7; T8; T10; T15; T20; T25; T27; T30  
4 TORX® screwdrivers long **No. 4650L**: T15; T20; T25; T30  
1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
1 PH cross-head screwdriver **No. 4734**: PH2

### 96833417

19 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 19; 21; 22; 24; 27; 30; 32 mm  
4 double-ended ring spanners TORX® **No. 21TX**: E6 x E8; E10 x E12; E14 x E18; E20 x E24  
1 double-ended ring spanner **No. 24**: 10 x 11 mm

### 96833418

1 tyre lever **No. 39 PKW**: L. 400 mm  
2 flat chisels **No. 102**: W. 17; 23; L. 150; 200 mm  
1 centre punch **No. 105**: Ø 10 mm  
5 pin punches **No. 108**: Ø 3; 4; 5; 6; 8 mm  
1 dead blow hammer **No. 10959**: Ø 35 mm  
1 engineer's hammer **No. 10961**: 500 g  
1 lever bar **No. 11006**: L. 400 mm  
1 magnetic lifter **No. 12600**: 3000 g

### 96833419

1 L-Key set TORX® **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40  
1 L-Key hex **No. 10767H/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
1 L-Key TORX® **No. 10769**: T45

### 96833420

2 IMPACT sockets with bi-hex  $\frac{1}{2}$ " **No. 50D IMP**: 32; 36 mm  
2 IMPACT wheel nut sockets with hex  $\frac{1}{2}$ " **No. 2309IMP K**: 17; 19 mm  
1 screwdriver socket XZN®  $\frac{3}{8}$ " **No. 59X**: M18  
1 sliding head for T-handle  $\frac{3}{4}$ " **No. 556**: L. 61.5 mm  
1 handle **No. 558**: L. 510 mm  
1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
1 wire brush **No. 12374**: Trim length: 140 mm  
1 gasket scraper **No. 12718**: L. 265 mm  
1 caliper **No. 12900**: Measuring range: 150 mm/6"  
1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
1 tape measure **No. 12935**: L. 3 m  
1 self-grip wrench **No. 6564**: L. 250 mm

### 96833442

12 sockets with hex  $\frac{1}{4}$ " **No. 40**: 4; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
5 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 40TX**: E4; E5; E6; E7; E8  
3 screwdriver sockets slotted  $\frac{1}{4}$ " **No. 41K**: 0.6 x 3.5; 1.0 x 5.5; 1.2 x 8 mm  
5 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 3; 4; 5; 6; 8 mm  
2 screwdriver sockets PHILLIPS®  $\frac{1}{4}$ " **No. 44PH**: PH1; PH2  
2 screwdriver sockets POZIDRIV®  $\frac{1}{4}$ " **No. 44PZ**: PZ1; PZ2  
1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm  
1 T-handle  $\frac{1}{4}$ " **No. 404**: L. 116 mm  
2 extensions  $\frac{1}{4}$ " **No. 405**: L. 54; 150 mm  
1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 38 mm  
1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
1 ratchet  $\frac{1}{4}$ " **No. 415-2K**: L. 117 mm  
1 bit ratchet  $\frac{1}{4}$ " **No. 415B-2K**: L. 117 mm  
3 sockets TORX®  $\frac{3}{8}$ " **No. 45TX**: E10; E12; E14  
10 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm  
10 uniflex sockets with bi-hex  $\frac{3}{8}$ " **No. 47**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm  
2 screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 49TX**: T40; T45  
3 extensions  $\frac{3}{8}$ " **No. 427**: L. 76; 160; 240 mm  
1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm  
1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
1 square drive adaptor **No. 432**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
1 ratchet  $\frac{3}{8}$ " **No. 435-2K**: L. 193 mm  
1 bit holder  $\frac{3}{8}$ " **No. 442**: L. 32 mm  
12 sockets with hex  $\frac{3}{8}$ " **No. 456**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22 mm  
1 bit holder insert tool  $\frac{1}{4}$ " **No. 736/10**: 9 x 12 mm  
1 bit holder insert tool  $\frac{5}{16}$ " **No. 736/10**: 9 x 12 mm  
2 bits POZIDRIV®  $\frac{1}{4}$ " **No. PZ 1221, PZ 1222**: PZ1; PZ2  
5 bits TORX® **No. 1410-1427**: T6; T7; T8; T9; T25  
7 bits TORX® **No. 1440-1446**: T10; T15; T20; T25; T27; T30; T40  
5 bits XZN® **No. 1350-1359**: M4; M5; M6; M8; M10

### 96833460

21 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 26; 27; 28; 30; 32; 34 mm  
5 sockets TORX®  $\frac{1}{2}$ " **No. 50TX**: E11; E16; E18; E20; E24  
9 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 5; 6; 7; 8; 10; 12; 14; 17; 19 mm  
4 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54KK**: 6; 7; 8; 10 mm  
3 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T50; T55; T60  
5 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 54X**: M8; M10; M12; M14; M16  
1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm  
1 extension  $\frac{1}{2}$ " **No. 509**: L. 130 mm  
3 Wobble-Drive extensions  $\frac{1}{2}$ " **No. 509W**: L. 52; 130; 255 mm  
2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 52; 130 (2 x) mm  
1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm  
1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm  
1 square drive adaptor **No. 513**:  $\frac{1}{2}$  to  $\frac{3}{8}$ "  
1 square drive adaptor **No. 514**:  $\frac{1}{2}$  to  $\frac{3}{4}$ "  
2 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 2054X**: M8; M10  
2 screwdriver sockets XZN®  $\frac{1}{2}$ " **No. 3054X**: M12; M14

## TCS WB 2700



## 97830265 Tool assortment

- for service and maintenance work on agricultural, construction and commercial vehicles
- metric tools
- extra long spanner for increased leverage
- safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830265	238	35.5



96830288



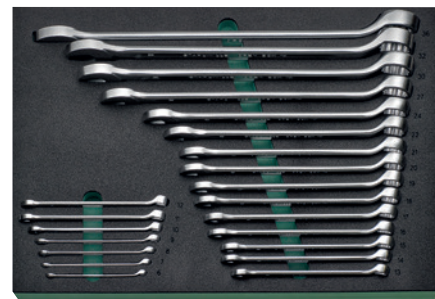
96830289



96830291



96830292



96830290

## Contains 238-pieces:

## 96830288

23 sockets with hex  $\frac{1}{2}$ " **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32; 34; 36 mm

10 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 7; 8; 10; 12; 14; 17; 19 mm

3 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 54TX**: T20; T25; T27

6 screwdriver sockets TORX®  $\frac{1}{2}$ " **No. 1054TX**: T30; T40; T45; T50; T55; T60

11 sockets with hex  $\frac{1}{4}$ " **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

4 screwdriver sockets INHEX  $\frac{1}{4}$ " **No. 44K**: 4; 5; 6; 8 mm

6 screwdriver sockets TORX®  $\frac{1}{4}$ " **No. 44KTX**: T8; T9; T10; T15; T20; T25

1 square drive adaptor **No. 410**:  $\frac{1}{4}$ " to  $\frac{1}{2}$ "

1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm

1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 25 mm

1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm

1 telescopic ratchet  $\frac{1}{2}$ " **No. 516**: L. 410-630 mm

1 QuickRelease T-handle  $\frac{1}{2}$ " **No. 506QR**: L. 300 mm

2 QuickRelease extensions  $\frac{1}{2}$ " **No. 509QR**: L. 130; 255 mm

1 QuickRelease universal joint  $\frac{1}{2}$ " **No. 510QR**: L. 80 mm

1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm

1 QuickRelease drive handle  $\frac{1}{4}$ " **No. 400QR**: L. 150 mm

2 QuickRelease extensions  $\frac{1}{4}$ " **No. 405QR**: L. 54; 150 mm

1 QuickRelease T-handle  $\frac{1}{4}$ " **No. 404QR**: L. 116 mm

1 QuickRelease universal joint  $\frac{1}{4}$ " **No. 407QR**: L. 45 mm

1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm

1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm

1 QuickRelease extension  $\frac{3}{8}$ " **No. 427QR**: L. 160 mm

1 square drive adaptor **No. 432**:  $\frac{3}{8}$ " to  $\frac{1}{2}$ "

1 square drive adaptor **No. 431**:  $\frac{3}{8}$ " to  $\frac{1}{4}$ "

1 automotive circuit tester **No. 12905**: 6-12 and 24 V

1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

2 L-Keys hex **No. 10765**: 12; 14 mm

1 L-Key set TORX® **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40

1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) |

PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) |

T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

## 96830289

3 pin punches **No. 108**:  $\emptyset$  4; 6; 8 mm

1 centre punch **No. 105**:  $\emptyset$  12 mm

4 pin punches **No. 108**:  $\emptyset$  2; 3; 5; 10 mm

1 engineer's hammer **No. 10961**: 500 g

1 flat chisel **No. 102**: B. 23; L. 200 mm

1 dead blow hammer **No. 10959**:  $\emptyset$  50 mm

1 cross-cut chisel **No. 103**: W. 18 mm; L. 200 mm

1 engineer's hammer **No. 10961**: 1500 g

1 gasket scraper **No. 12718**: L. 265 mm

1 lever bar **No. 11007**: L. 400 mm

1 magnetic lifter **No. 12600**: 1800 g

1 tape measure **No. 12935**: L. 5 m

1 flat file **No. 12036**: L. 260 mm

1 half-round file **No. 12030**: L. 260 mm

1 round file **No. 12025**: L. 210 mm

## Tool assortments

1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
 1 adjustable spanner **No. 4025**: max. 39 mm  
 1 wire brush **No. 12374**: L. 290 mm

### 96830290

22 combination spanners **No. 14**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 36 mm

### 96830291

1 caliper, digital **No. 12900**: Measuring range: 150 mm/6"  
 1 PH cross-head screwdriver **No. 4734**: PH2  
 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 6 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30; T40  
 3 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2; PH3  
 4 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90;

1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.2 x 8.0 x 150 mm  
 1 PH cross-head screwdriver **No. 4632**: PH4  
 1 torch **No. 13132**: 130 lm  
 1 wooden folding ruler **No. 13112**: L. 2 m

### 96830292

8 circlip pliers **No. 6543-6546**: J1; J2; J11; J21; A1; A2; A11; A21  
 1 side cutters **No. 6720**: L. 160 mm  
 1 water pump pliers **No. 6572**: L. 240 mm  
 1 telephone pliers **No. 6730**: L. 200 mm  
 1 combination pliers **No. 6700**: L. 180 mm  
 1 wire strippers: max. Ø 4 mm<sup>2</sup>  
 1 crimping pliers **No. 6638**: L. 220 mm

## TCS 13214 WW



### 97830803 Line maintenance set

- for maintenance work on aircraft and helicopters
- 4 x 3/3 inserts for 4 drawers (No. 98 PRO for 2 drawers)
- safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
97830803	167	15.5



96830888



96832206



96832207



96832208

### Contains 167-pieces:

#### 96830888

4 pin punches **No. 109**: Ø 1.4; 2.8; 3.4; 3.9 mm  
 1 engineer's hammer **No. 10961**: 500 g  
 1 dead blow hammer **No. 10959**: Ø 35 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm  
 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m

1 scribe **No. 12321**: L. 250 mm  
 1 brass punch **No. 12495**: L. 200 mm  
 1 magnet lifter **No. 12601**: 500 g  
 1 caliper **No. 12900**: Measuring range: 150 mm/6"  
 1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
 1 telescopic mirror **No. 12921M**: Ø 57 mm  
 1 claw lifter **No. 12922**: Ø 6 mm  
 1 steel ruler **No. 13110**: L. 300 mm

**96832206**

2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm  
 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3  
 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 1 wire twisting pliers **No. 6575**: L. 230 mm  
 1 self-grip wrench **No. 6564**: L. 175 mm  
 1 combination pliers **No. 6700**: L. 160 mm  
 1 telephone pliers **No. 6731**: L. 200 mm  
 1 water pump pliers **No. 6572**: L. 240 mm  
 1 mini electronic's side cutters **No. 6708**: L. 110 mm  
 1 hook tool **No. 13001**: Angled 45°  
 1 split pin puller **No. 13009**: L. 265 mm  
 1 torch **No. 13128**: 320 lm  
 1 round awl **No. 10758**: L. 280 mm

**96832207**

2 sockets with hex  $\frac{1}{4}$ " **No. 40**: 4; 4.5 mm  
 11 sockets with bi-hex  $\frac{1}{4}$ " **No. 40D**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 1 socket long, with hex  $\frac{1}{4}$ " **No. 40L**: 4.5 mm  
 11 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40DL**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm  
 5 uniflex sockets with bi-hex  $\frac{1}{4}$ " **No. 402**: 6; 7; 8; 9; 10 mm  
 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 408QR**: L. 55; 150 mm

1 universal joint  $\frac{1}{4}$ " **No. 407**: L. 38 mm  
 1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 20 mm  
 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR**: L. 75; 240 mm  
 1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm  
 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
 1 square drive adaptor **No. 432M**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 1 QuickRelease speeder brace  $\frac{3}{8}$ " **No. 453QR**: L. 408 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm  
 1 bit holder  $\frac{5}{16}$ " **No. 443**: L. 32 mm  
 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm  
 7 combination ratchet spanners **No. 17**: 8; 9; 10; 12; 13; 17; 19 mm  
 1 bit box **No. 1208**: 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm:  
 SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
 INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces  
 1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm

**96832208**

18 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 12; 13; 14; 15; 17; 19; 20; 21; 22; 24; 27; 30 mm  
 5 combination spanners **No. 16**: 3.2; 3.5; 4; 4.5; 5 mm



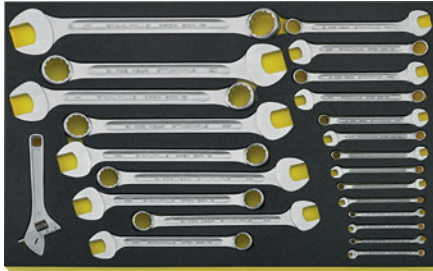
# TCS 13214a WW



## 97830802 Line maintenance set

- for maintenance work on aircraft and helicopters
- 4 x 3/3 inserts for 4 drawers (No. 98 PRO for 2 drawers)
- safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830802	163	18.5



96830885



96830886



96830887



96830888

### Contains 163-pieces:

#### 96830885

- 23 combination spanners **No. 13a:**  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ "
- 1 adjustable spanner **No. 4025:** max. 24 mm

#### 96830886

- 10 sockets with bi-hex  $\frac{1}{4}$ " **No. 40aD:**  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 10 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40aDL:**  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 5 unifix sockets with bi-hex  $\frac{1}{4}$ " **No. 402a:**  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ "
- 1 QuickRelease universal joint  $\frac{1}{4}$ " **No. 407QR:** L. 38 mm
- 2 QuickRelease extensions  $\frac{1}{2}$ " **No. 408QR:** L. 55; 150 mm
- 1 square drive adaptor **No. 409M:**  $\frac{1}{4}$  to  $\frac{3}{8}$ "
- 1 drive handle  $\frac{1}{4}$ " **No. 400N:** L. 150 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N:** L. 117 mm
- 1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N:** L. 117 mm
- 1 bit holder  $\frac{1}{4}$ " **No. 412:** L. 25 mm
- 8 sockets with bi-hex  $\frac{3}{8}$ " **No. 45a:**  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{15}{16}$ ; 1"
- 4 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46a:**  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{7}{8}$ "
- 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR:** L. 75; 240 mm
- 1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428QR:** L. 46 mm
- 1 square drive adaptor **No. 431:**  $\frac{3}{8}$  to  $\frac{1}{4}$ "
- 1 square drive adaptor **No. 432M:**  $\frac{3}{8}$  to  $\frac{1}{2}$ "
- 1 QuickRelease speeder brace  $\frac{3}{8}$ " **No. 453QR:** L. 408 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N:** L. 193 mm
- 1 bit holder  $\frac{3}{8}$ " **No. 443:** L. 32 mm

- 1 bit ratchet screwdriver **No. 4008:** L. 250 mm
- 6 combination ratchet spanners **No. 17a:**  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 1 bit box **No. 1208:** 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm:  
SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces

#### 96830887

- 2 slotted screwdrivers **No. 4622:** 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm
- 3 PH cross-head screwdrivers **No. 4632:** PH1; PH2; PH3
- 1 combination pliers **No. 6700:** L. 160 mm
- 1 telephone pliers **No. 6731:** L. 200 mm
- 1 self-grip wrench **No. 6564:** L. 175 mm
- 1 water pump pliers **No. 6572:** L. 240 mm
- 1 wire twisting pliers **No. 6575:** L. 230 mm
- 1 electronic's side cutters **No. 6707:** L. 115 mm
- 1 hook tool **No. 13001:** Angled 45°
- 1 split pin puller **No. 13009:** L. 265 mm
- 1 torch **No. 13128:** 320 lm
- 1 round awl **No. 10758-2K:** L. 175 mm
- 1 ball-ended L-Key set hex **No. 10767a/13:** 0.050;  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{64}$ ;  $\frac{1}{8}$ ;  $\frac{9}{64}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "

#### 96830888

- 4 pin punches **No. 109:** Ø 1.4; 2.8; 3.4; 3.9 mm
- 1 engineer's hammer **No. 10961:** 500 g
- 1 dead blow hammer **No. 10959:** Ø 35 mm

1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm  
 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 scribe **No. 12321**: L. 250 mm  
 1 brass punch **No. 12495**: L. 200 mm  
 1 magnet lifter **No. 12601**: 500 g  
 1 caliper **No. 12900**: Measuring range: 150 mm/6"

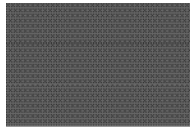
1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
 1 telescopic mirror **No. 12921M**: Ø 57 mm  
 1 claw lifter **No. 12922**: Ø 6 mm  
 1 steel ruler **No. 13110**: L. 300 mm



7

## TOOL ASSORTMENTS IN TCS INLAY.

### TCS 1120/3 VW/AUDI



**Tool assortment**

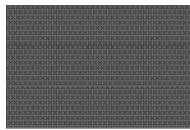
— safely integrated in the modular Tool Control System (TCS)

**Contains 9-pieces:**

- 1 grooving chisel **No. 112**: W. 26 mm; L. 240 mm
- 1 triangular special scraper **No. 10670**: L. 260 mm
- 2 engineer's hammers **No. 10961**: 200; 1000 g
- 1 sheet metal shears, left-cutting **No. 12752L**: L. 260 mm
- 1 sheet metal shears, right-cutting **No. 12752R**: L. 260 mm
- 1 self-grip wrench **No. 6563**: L. 175 mm
- 2 self-grip wrenches **No. 6564**: L. 145; 250 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	kg
96831586	350	530	90	3/3	9	4.4

### TCS 102-108/10959/10961/16



**Tool assortment**

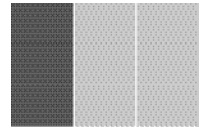
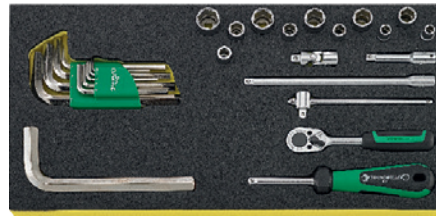
— safely integrated in the modular Tool Control System (TCS)

**Contains 16-pieces:**

- 1 flat chisel **No. 102**: W. 23; L. 200 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 5 pin punches **No. 108**: Ø 3; 4; 5; 6; 8 mm
- 1 dead blow hammer **No. 10959**: Ø 40 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 brake caliper brush, steel wire **No. 12373**: L. 230 mm
- 1 magnetic lifter **No. 12600**: 500 g
- 1 gasket scraper **No. 12718**: L. 265 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 tyre lever **No. 39 PKW**: L. 400 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	kg
96830609	350	530	45	3/3	16	4

### TCS 1/4 + 10760



**Tool assortment**

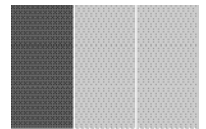
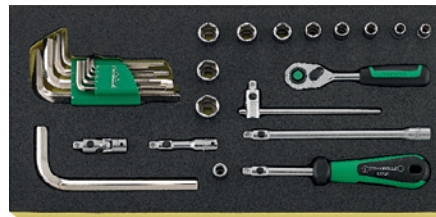
— safely integrated in the modular Tool Control System (TCS)

**Contains 27-pieces:**

- 10 sockets with hex 1/4" **No. 40**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm
- 1 L-Key hex **No. 10760**: 12 mm
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	kg
96838176	350	175	37	1/3	27	1.08

### TCS 1/4 QR + 10760



**QuickRelease tool assortment**

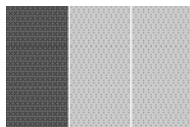
— safely integrated in the modular Tool Control System (TCS)

**Contains 27-pieces:**

- 10 sockets with hex 1/4" **No. 40**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 1 QuickRelease drive handle 1/4" **No. 400QR**: L. 150 mm
- 1 QuickRelease T-handle 1/4" **No. 404QR**: L. 116 mm
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 45 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 L-Key hex **No. 10760**: 12 mm
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	kg
96830364	350	175	37	1/3	27	1.08

## TCS 11095-13110/8



### Tool assortment

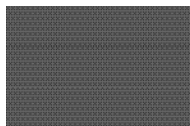
— safely integrated in the modular Tool Control System (TCS)

#### Contains 8-pieces:

- 1 thread file **No. 12000/ISO**: L. 230 mm
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 scriber **No. 12321**: L. 250 mm
- 1 tungsten carbide scriber **No. 12322**: L. 150 mm
- 1 screw pitch gauges **No. 12665**: 0.25-6 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"
- 1 steel ruler **No. 13110**: L. 300 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ kg
96838789	350	175	35	1/3	8	700

## TCS 12025-13110/11



### Tool assortment

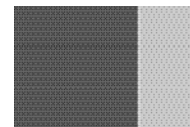
— safely integrated in the modular Tool Control System (TCS)

#### Contains 11-pieces:

- 1 gasket scraper **No. 12718**: L. 265 mm
- 1 engineer's file round, second cut **No. 12025-2K**: L. 210 mm
- 1 engineer's file half-round **No. 12030**: L. 260 mm
- 1 engineer's file triangular, second cut **No. 12035-2K**: L. 210 mm
- 1 engineer's file flat **No. 12036-2K**: L. 260 mm
- 1 hacksaw **No. 12050**: L. 465 mm
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 scriber **No. 12321**: L. 250 mm
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 safety knife **No. 12965**: L. 174 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ kg
96838759	350	530	35	3/3	11	3.11

## TCS 5 821/27



### Tool assortment

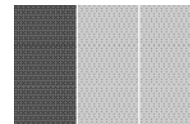
— safely integrated in the modular Tool Control System (TCS)

#### Contains 27-pieces:

- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 slotted screwdrivers **No. 4620**: 0.8 x 4 x 100; 1.6 x 10 x 200 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 mini magnetic lifter **No. 12600**: 270 g
- 1 torch **No. 13132**: 130 lm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 ball-ended L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 ball-ended L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ kg
96830268	350	350	40	2/3	27	2.22

## TCS 7 821/9



### Tool assortment

— safely integrated in the modular Tool Control System (TCS)

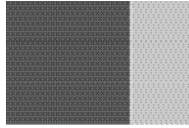
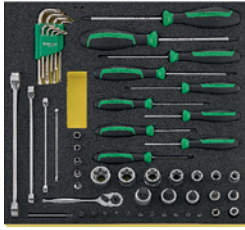
#### Contains 9-pieces:

- 4 electrician's slotted screwdrivers **No. 4751**: 0.3 x 1.5; 0.4 x 2; 0.4 x 2.5; 0.5 x 3 mm
- 3 electrician's PH cross-head screwdrivers **No. 4752**: PH00; PH0; PH1
- 1 electronics needle nose pliers **No. 6711**: L. 130 mm
- 1 mini electronics side cutters **No. 6708**: L. 115 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	∅ kg
96830270	350	175	45	1/3	9	418

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## TCS TORX®/57 MF



### Tool assortment

— safely integrated in the modular Tool Control System (TCS)

#### Contains 53-pieces:

- 4 double-ended ring spanners TORX® No. 21TX: E6 x E8; E10 x E12; E14 x E18; E20 x E24
- 5 sockets TORX® 1/4" No. 40TX: E4; E5; E6; E7; E8
- 1 bit holder 1/4" No. 412: L. 25 mm
- 1 bit fine-tooth ratchet 1/4" No. 415SGB N: L. 117 mm
- 3 sockets TORX® 3/8" No. 45TX: E10; E12; E14
- 2 screwdriver sockets TORX® 3/8" No. 49TX: T40; T45
- 1 bit holder 3/8" No. 442: L. 32 mm
- 4 sockets TORX® 1/2" No. 50TX: E16; E18; E20; E24
- 3 screwdriver sockets TORX® 1/2" No. 54TX: T50; T55; T60
- 5 bits TORX® No. 1410-1427: T6; T7; T8; T9; T25
- 6 bits TORX® No. 1440-1446: T10; T15; T20; T25; T30; T40
- 10 TORX® screwdrivers No. 4650: T6; T7; T8; T9; T10; T15; T20; T25; T27; T30
- 1 L-Key set TORX® No. 10766/8: T9; T10; T15; T20; T25; T27; T30; T40

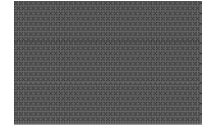
Product no.	L mm	W mm	H mm	Size	Content pcs.	± kg
96830450	350	350	60	2/3	53	2.72



### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, tool trolleys and workbenches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

## TCS 8 821/21



### Tool assortment

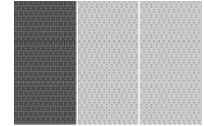
— safely integrated in the modular Tool Control System (TCS)

#### Contains 21-pieces:

- 1 screw extractor set No. 900/6 T: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22
- 1 warding file set No. 12800: 6-pieces
- 1 flat file No. 12036: L. 260 mm
- 1 gasket scraper No. 12718: L. 265 mm
- 1 safety knife No. 12965: L. 165 mm
- 1 wire brush No. 12377: L. 270 mm
- 1 steel ruler No. 13110: L. 300 mm
- 1 hacksaw No. 12050: Blade length: 300 mm
- 1 tungsten carbide scribe No. 12322: Ø 3.15 mm
- 1 wire cutters No. 13148: L. 150 mm
- 1 precision feeler gauges, 20 blades No. 11095: 0.05-1.00 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± kg
96830271	350	530	50	3/3	21	3.17

## TCS 6 821/7



### Tool assortment

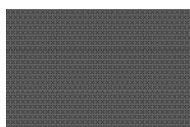
— safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

- 1 engineer's hammer No. 10961: 500 g
- 1 dead blow hammer No. 10959: Ø 35 mm
- 1 flat chisel No. 102: W. 20; L. 175 mm
- 1 pin punch No. 108: Ø 6 mm
- 1 centre punch No. 105: Ø 10 mm
- 1 pin punch No. 109: Ø 3.4 mm
- 1 drift punch No. 104: Ø 4 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	± kg
96830269	350	175	40	1/3	7	1.85

## TCS 102-108/10959/10961/12718/13



### Punch and chisel set

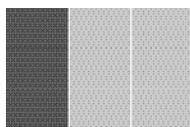
— safely integrated in the modular Tool Control System (TCS)

#### Contains 13-pieces:

- 2 flat chisels **No. 102**: W. 23; 23; L. 200; 300 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 5 pin punches **No. 108**: Ø 3; 4; 5; 6; 8 mm
- 2 engineer's hammers **No. 10961**: 500; 800 g
- 1 dead blow hammer **No. 10959**: Ø 40 mm
- 1 gasket scraper **No. 12718**: L. 265 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ kg
96830223	350	530	40	3/3	13	5.15

## TCS 10956/10961/2



### Hammer set

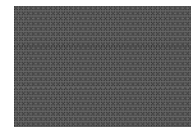
— safely integrated in the modular Tool Control System (TCS)

#### Contains 2-pieces:

- 1 engineer's hammer **No. 10961**: 500 g
- 1 nylon hammer **No. 10956**: Ø 32 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ kg
96838194	350	175	45	1/3	2	1.21

## TCS 102-108/10956/10960/18



### Punch and chisel set

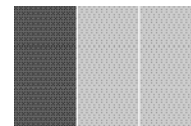
— safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

- 1 wire brush **No. 12374**: L. 290 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 6 pin punches **No. 108**: Ø 2.5; 3; 4; 5; 6; 8 mm
- 1 nylon hammer **No. 10956**: Ø 50 mm
- 2 engineer's hammers **No. 10961**: 300; 500 g
- 1 glass scraper **No. 10356**: L. 165 mm
- 1 triangular special scraper **No. 10670**: L. 285 mm
- 1 flat scraper **No. 10672**: W. 20; L. 315 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ kg
96830620	350	530	55	3/3	18	3.94

## TCS 102-108/10961/10



### Punch and chisel set

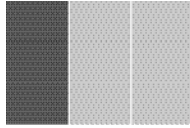
— safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

- 1 flat chisel **No. 102**: W. 23; L. 200 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 pin punch **No. 108**: Ø 2 mm
- 4 pin punches **No. 108**: Ø 3; 4; 5; 6 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 pin punch **No. 108**: Ø 8 mm
- 1 engineer's hammer **No. 10961**: 500g

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ kg
96830361	350	175	40	1/3	10	1.66

## TCS 102-109/10956/10961/6



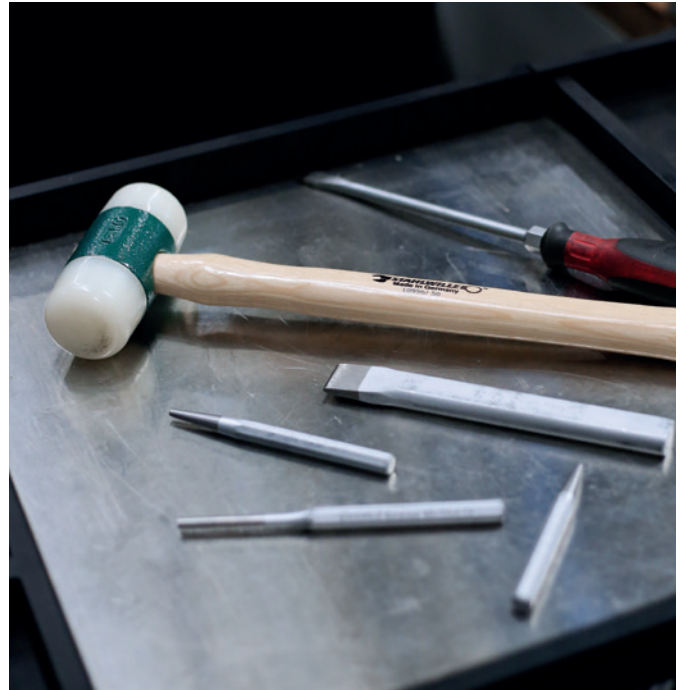
### Punch and chisel set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

- 1 flat chisel **No. 102**: B.20; L. 175 mm
- 2 pin punches **No. 108**: Ø 6 mm, L. 150; 175 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 nylon hammer **No. 10956**: Ø 35 mm
- 1 engineer's hammer **No. 10961**: 500 g

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊕ kg
96838181	350	175	40	1/3	6	1.69



## LARGE WORKSHOP TOOL SETS.

### 801N



#### Large workshop set

##### Contains 127-pieces:

- 1 double open-ended spanner set in roll-up tool pouch **No. 10/12**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm
- 1 double open-ended spanner set in roll-up tool pouch **No. 12/10**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 1 double-ended ring spanner set **No. 20/12**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm
- 6 double-ended flex spanner **No. 29**: 10 x 11; 12 x 13; 14 x 15; 16 x 18; 17 x 19; 21 x 23 mm
- 1 wheel brace 1/2" **No. 35c Pkw**: 17; 19; 22 mm
- 2 tyre levers **No. 39**: L. 400 mm (2 x)
- 2 tyre levers **No. 39/1**: L. 600 mm (2 x)
- 21 sockets with bi-hex 1/2" **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32 mm
- 11 sockets long, with bi-hex 1/2" **No. 51**: 13; 16 mm-5/8"; 17; 18; 19 mm; 20.8 mm-13/16"; 22; 24; 27; 30; 32 mm
- 7 screwdriver sockets INHEX 1/2" **No. 54**: 4; 5; 6; 8; 10; 12; 14 mm
- 1 speeder brace 1/2" **No. 501**: L. 433 mm
- 1 flexible handle 1/2" **No. 504**: L. 397 mm
- 1 T-handle 1/2" **No. 506**: L. 300 mm
- 3 extensions 1/2" **No. 509**: L. 52; 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 1 ribbed flat chisel **No. 100**: W. 26; L. 200 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm

- 1 drift punch **No. 104**: Ø 4 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 3 slotted screwdrivers **No. 4622**: 1.2 x 6.5 x 125; 1.2 x 8.0 x 150; 2.0 x 12.0 x 200 mm
- 2 electrician's slotted screwdrivers **No. 4628**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 125 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 triangular special scraper **No. 10670**: L. 310 mm
- 1 triangular bearing scraper **No. 10676**: L. 315 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 precision feeler gauges, 13 blades **No. 11095**: 0.05-1 mm
- 1 round file **No. 12025**: L. 210 mm
- 1 half-round file **No. 12030**: L. 260 mm
- 1 triangular file **No. 12035**: L. 210 mm
- 1 hacksaw **No. 12050**: L. 300 mm
- 1 puller, two-armed **No. 12150**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 160 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 2 circlip pliers **No. 6543**, **No. 6545**: J2; A2
- 1 water pump pliers **No. 6554**: L. 255 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 oil can **No. 12250**: 0.5 l
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 spark plug brush **No. 12375**: L. 150 mm
- 1 tape measure **No. 12935**: L. 3 m

Product no.	Content pcs.	⊕ kg
97841210	127	28.65

## 802N



### Large workshop set

#### Contains 128-pieces:

- 2 circlip pliers **No. 6545, 6543**: A2; J2
- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 oil can **No. 12250**: 0,5 l
- 1 cable knife **No. 12320**: L. 111 mm
- 1 spark plug brush **No. 12375**: L. 150 mm
- 1 double open-ended spanner set in roll-up tool pouch **No. 12/10**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 1 combination spanner set **No. 13/26**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 29; 30; 32 mm
- 6 double-ended flex spanner **No. 29**: 10 x 11; 12 x 13; 14 x 15; 16 x 18; 17 x 19; 21 x 23 mm
- 1 wheel brace  $\frac{1}{2}$ " **No. 35c Pkw**: 17; 19; 22 mm
- 2 tyre levers **No. 39**: 400 mm (2 x)
- 2 tyre levers **No. 39/1**: 600 mm (2 x)
- 21 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32 mm
- 11 sockets long, with bi-hex  $\frac{1}{2}$ " **No. 51**: 13; 16 mm- $\frac{5}{8}$ "; 17; 18; 19 mm; 20.8 mm- $\frac{13}{16}$ "; 22; 24; 27; 30; 32 mm
- 7 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 8; 10; 12; 14 mm
- 1 speeder brace  $\frac{1}{2}$ " **No. 501**: L. 433 mm
- 1 flexible handle  $\frac{1}{2}$ " **No. 504**: L. 397 mm
- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 3 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm
- 1 ribbed flat chisel **No. 100**: W. 26; L. 200 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 drift punch **No. 104**: Ø 4 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 3 slotted screwdrivers **No. 4622**: 1.2 x 6.5 x 125; 1.2 x 8.0 x 150; 2.0 x 12.0 x 200 mm
- 2 electrician's slotted screwdrivers **No. 4628**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 125 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 triangular special scraper **No. 10670**: L. 310 mm
- 1 triangular bearing scraper **No. 10676**: L. 315 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 precision feeler gauges, 13 blades **No. 11095**: 0.05-1 mm
- 1 round file **No. 12025**: L. 210 mm
- 1 half-round file **No. 12030**: L. 260 mm
- 1 triangular file **No. 12035**: L. 210 mm
- 1 hacksaw **No. 12050**: L. 300 mm
- 1 puller, two-armed **No. 12150**: L. 200 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 telephone pliers **No. 6731**: L. 200 mm

Product no.	Content pcs.	kg
97840312	128	28.9

## 803N



### Large workshop set

#### Contains 164-pieces:

- 1 double open-ended spanner set in roll-up tool pouch **No. 10/12**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm
- 6 double open-ended spanners **No. 10a**:  $\frac{1}{4}$  x  $\frac{5}{16}$ ;  $\frac{3}{8}$  x  $\frac{7}{16}$ ;  $\frac{1}{2}$  x  $\frac{9}{16}$ ;  $\frac{5}{8}$  x  $\frac{11}{16}$ ;  $\frac{3}{4}$  x  $\frac{7}{8}$ ;  $\frac{15}{16}$  x 1"
- 1 double open-ended spanner set in roll-up tool pouch **No. 12/10**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 1 double open-ended spanner set in roll-up tool pouch **No. 12a/13**:  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 12 combination spanners **No. 13**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 7 combination spanners **No. 13a**:  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ "
- 6 double-ended ring spanners **No. 21**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 17 x 19 mm
- 5 double-ended ring spanners **No. 20a**:  $\frac{1}{4}$  x  $\frac{5}{16}$ ;  $\frac{3}{8}$  x  $\frac{7}{16}$ ;  $\frac{1}{2}$  x  $\frac{9}{16}$ ;  $\frac{3}{4}$  x  $\frac{7}{8}$ ;  $\frac{15}{16}$  x 1"
- 1 double-ended ring spanner set **No. 23/8**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm
- 6 double-ended ring spanners **No. 230a**:  $\frac{3}{8}$  x  $\frac{7}{16}$ ;  $\frac{1}{2}$  x  $\frac{9}{16}$ ;  $\frac{9}{16}$  x  $\frac{5}{8}$ ;  $\frac{11}{16}$  x  $\frac{3}{4}$ ;  $\frac{13}{16}$  x  $\frac{7}{8}$ ;  $\frac{15}{16}$  x 1"
- 18 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 27; 30; 32 mm
- 15 sockets with bi-hex  $\frac{1}{2}$ " **No. 50a**:  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ ; 1  $\frac{3}{16}$ ; 1  $\frac{1}{4}$ "
- 1 speeder brace  $\frac{1}{2}$ " **No. 501**: L. 433 mm
- 1 flexible handle  $\frac{1}{2}$ " **No. 504**: L. 397 mm
- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 3 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm
- 1 ribbed flat chisel **No. 100**: W. 20; L. 150 mm
- 1 centre punch **No. 105**: Ø 12 mm
- 2 pin punches **No. 108**: Ø 4; 6 mm
- 4 slotted screwdrivers **No. 4620**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175; 1.6 x 10.0 x 200 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.6 x 3.5 x 75 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 L-Key set hex **No. 10760a/10**:  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{1}{8}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "
- 1 engineer's hammer **No. 10970**: 1 lb.
- 1 hacksaw **No. 12050**: L. 300 mm
- 1 combination pliers **No. 6700**: L. 200 mm
- 1 telephone pliers **No. 6730**: L. 160 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

Product no.	Content pcs.	kg
97842613	164	17.83

## 804N



### Large workshop set

Contains 106-pieces:

- 1 double open-ended spanner set **No. 12/10**: 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11 mm
- 19 combination spanners **No. 13**: 6; 7; 8; 9; 10; 11; 12; 13; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 1 socket set  $\frac{1}{4}$ " **No. 40/13/6**: No. 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm; No. 400; 404; 405/2; 405/6; 407; 415
- 15 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
- 2 sockets long, with bi-hex  $\frac{1}{2}$ " **No. 51**: 16 mm<sup>-5/8"</sup>; 20.8 mm<sup>-13/16"</sup>
- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 2 extensions  $\frac{1}{2}$ " **No. 509**: L. 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm
- 1 ribbed flat chisel **No. 100**: W. 26; L. 200 mm
- 1 cross-cut chisel **No. 103**: W. 20; L. 200 mm
- 1 chisel and drift punch set **No. 105-108/6**: No. 105:  $\varnothing$ 10 mm; No. 108:  $\varnothing$  2.5; 3; 4; 5; 6 mm
- 5 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 2 PH cross-head screwdrivers **No. 4630**: PH1; PH2
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 plastic hammer **No. 10955**:  $\varnothing$  35 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 oil can **No. 12251**: 0,25 l
- 1 scriber **No. 12321**: L. 250 mm
- 1 spark plug brush **No. 12375**: L. 150 mm

Product no.	Content pcs.	$\varnothing$ kg
97842714	106	12.66

## 811N



### Car workshop set

Contains 83-pieces:

- 1 double open-ended spanner set in roll-up tool pouch **No. 10/12**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm
- 1 double-ended ring spanner set in roll-up tool pouch **No. 20/12**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32 mm
- 1 tyre lever **No. 39**: L. 400 mm
- 17 sockets with bi-hex  $\frac{1}{2}$ " **No. 50**: 10; 11; 12; 13; 14; 15; 16; 17; 19; 21; 22; 23; 24; 26; 27; 30; 32 mm
- 2 sockets long, with bi-hex  $\frac{1}{2}$ " **No. 51**: 16 mm<sup>-5/8"</sup>; 20.8 mm<sup>-13/16"</sup>
- 7 screwdriver sockets INHEX  $\frac{1}{2}$ " **No. 54**: 4; 5; 6; 8; 10; 12; 14 mm
- 1 flexible handle  $\frac{1}{2}$ " **No. 504**: L. 397 mm
- 1 T-handle  $\frac{1}{2}$ " **No. 506**: L. 300 mm
- 3 extensions  $\frac{1}{2}$ " **No. 509**: L. 52; 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " **No. 510**: L. 71 mm
- 1 ratchet  $\frac{1}{2}$ " **No. 512-2K**: L. 265.5 mm
- 1 ribbed flat chisel **No. 100**: W. 26; L. 200 mm
- 1 cross-cut chisel **No. 103**: W. 16; L. 150 mm
- 1 drift punch **No. 104**:  $\varnothing$  4 mm
- 1 centre punch **No. 105**:  $\varnothing$  10 mm
- 3 slotted screwdrivers **No. 4622**: 1.2 x 6.5 x 125; 1.2 x 8.0 x 150; 2.0 x 12.0 x 200 mm
- 2 electrician's slotted screwdrivers **No. 4628**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 125 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 triangular special scraper **No. 10670**: L. 310 mm
- 1 triangular bearing scraper **No. 10676**: L. 315 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 2 circlip pliers **No. 6543, 6545**: J2; A2
- 1 water pump pliers **No. 6572**: L. 255 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 spark plug brush **No. 12375**: L. 150 mm

Product no.	Content pcs.	$\varnothing$ kg
97841311	83	16.3

## MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 841N



## Construction machinery set

## Contains 129-pieces:

- 1 double open-ended spanner set **No. 10/9**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm
- 23 combination spanners **No. 14**: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32; 34; 36 mm
- 1 socket set  $\frac{1}{4}$ " **No. 40/13/6**: No. 40: 3.5; 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm; No. 400; 404; 405/2; 405/6; 407; 415-2K
- 1 socket set  $\frac{1}{2}$ " **No. 50/16/6**: No. 50: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm No. 506, 509/3, 509/5, 509/10, 510, 512-2K
- 1 flexible handle  $\frac{1}{2}$ " **No. 504**: L. 397 mm
- 1 square drive adaptor **No. 514**:  $\frac{3}{4}$ " to  $\frac{1}{2}$ "
- 1 socket set  $\frac{3}{4}$ " **No. 55/9/6N**: No. 55: 32; 34; 36; 38; 41; 46; 50; 55; 60 mm, No. 552, 554, 556, 558, 559/8, 559/16
- 1 square drive adaptor **No. 568**:  $\frac{3}{4}$ " to  $\frac{1}{2}$ "
- 1 punch and chisel set **No. 102-108/6**: No. 102: W. 14; L. 125; W. 17; L. 150 mm No. 104:  $\emptyset$  2; 4 mm; No. 105:  $\emptyset$  10 mm No. 108:  $\emptyset$  4 mm
- 2 PZ cross-head screwdrivers **No. 4840**: PZ1; PZ2
- 1 screwdriver set **No. 4891**: No. 4820: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm; No. 4830: PH1; PH2
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 self grip wrench **No. 6563**: L. 250 mm
- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 heavy-duty side cutters **No. 6720**: L. 180 mm
- 1 nylon hammer **No. 10956**:  $\emptyset$  35 mm
- 2 engineer's hammers **No. 10961**: 300; 500 g
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm
- 1 hacksaw **No. 12050**: L. 300 mm
- 1 metal saw blades **No. 12050R**: 10 blades
- 1 wire brush **No. 12374**: L. 290 mm
- 1 magnetic lifter **No. 12600**: 1800 g
- 1 tape measure **No. 12935**: L. 3 m

Product no.	Content pcs.	$\Delta$ kg
97841418	129	35.77



## 3027



## Electrician's set

## Contains 85-pieces:

- 2 combination spanners **No. 13**: 6; 7 mm
- 1 combination spanner set **No. 13/9**: 9; 10; 11; 12; 13; 14; 17; 19; 22 mm
- 1 socket set  $\frac{1}{4}$ " **No. 40/23/6**: No. 40: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm; No. 41K: 0.6 x 3.5; 1 x 5.5; 1.2 x 8 mm; No. 44K: 3; 4; 5; 6; 8 mm; No. 44PH: PH1; PH2; PH3; PH4; No. 400; 404; 405/2; 405/6; 407; 415-2K
- 2 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 12; 20.8 mm
- 1 spark plug socket long, with bi-hex and rubber insert  $\frac{3}{8}$ " **No. 4600**: 16 mm
- 1 T-handle  $\frac{3}{8}$ " **No. 425**: L. 165 mm
- 1 universal joint  $\frac{3}{8}$ " **No. 428**: L. 46 mm
- 1 extension  $\frac{3}{8}$ " **No. 427**: L. 160 mm
- 3 electrician's slotted screwdrivers **No. 4628**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 125; 1.0 x 5.5 x 200 mm
- 2 PH cross-head screwdrivers **No. 4630**: PH1; PH2
- 1 slotted screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 offset screwdriver slotted **No. 10546**: 1.0 x 5.5 x 125 mm
- 1 offset screwdriver PH cross-head **No. 10551**: PH1 x PH2
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 160 mm
- 1 telephone pliers **No. 6731**: L. 160 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 wire cutters **No. 6622**: max.  $\emptyset$  5 mm<sup>2</sup>
- 1 crimping pliers for end sleeves **No. 6638**: L. 220 mm
- 1 automotive voltage tester set **No. 7756**: 3-48 V
- 1 nylon hammer **No. 10956**:  $\emptyset$  35 mm
- 1 extractor tool **No. 1551**: for flat plug-in sockets with notches, 2.8 mm
- 1 extractor tool **No. 1552**: for flat plug-in sockets with notches, 5.8 mm
- 1 tool set KABELEX® **No. 1560**:
- 1 extractor tool No. 1501: for contact dimension  $\emptyset$  1.5 mm
- 1 extractor tool No. 1502: for contact dimension  $\emptyset$  3.5 mm
- 1 extractor tool No. 1503: for contact dimension  $\emptyset$  4.0 mm ABS (truck) or assembly sleeve No. 1523
- 2 dismantling sleeves No. 1511:  $\emptyset$  1.5 mm (1 piece mounted)
- 2 dismantling sleeves No. 1512:  $\emptyset$  3.5 mm (1 piece mounted)
- 2 dismantling sleeves No. 1513:  $\emptyset$  4.0 mm
- 1 dismantling sleeve No. 1523: ABS

Product no.	Content pcs.	$\Delta$ kg
97843101	85	6.29

## 13200a



### Aircraft mechanics basic set

Contains 159-pieces:

- 1 double open-ended spanner set in roll-up tool pouch **No. 12a/13**:  $5/32; 3/16; 13/64; 7/32; 15/64; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "
- 21 combination spanners **No. 13a**:  $3/16; 13/64; 7/32; 15/64; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1$ "
- 9 double-ended ring spanners **No. 230a**:  $1/4 \times 5/16; 5/16 \times 11/32; 3/8 \times 7/16; 7/16 \times 1/2; 1/2 \times 9/16; 9/16 \times 5/8; 11/16 \times 3/4; 13/16 \times 7/8; 15/16 \times 1$ "
- 1 adjustable spanner **No. 4025**: max. 13 mm
- 1 socket set  $1/4$ " **No. 40aD/30/7QR**: No. 40a:  $1/8$ "; No. 40aD:  $5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "; No. 40aDL:  $5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "; No. 402a:  $1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2$ "; No. 400QR; 405/2QR (2x); 405/6QR; 407QR; 412; 415SG-QR
- 1 square drive adaptor **No. 409**:  $1/4$  to  $3/8$ "
- 1 bit fine-tooth ratchet  $1/4$ " **No. 415SGB N**: L. 117 mm
- 4 sockets long, with bi-hex  $3/8$ " **No. 46a**:  $7/16; 1/2; 9/16; 5/8$ "
- 1 extension  $3/8$ " **No. 427**: L. 455 mm
- 1 square drive adaptor **No. 431**:  $3/8$  to  $1/4$ "
- 1 socket set  $3/8$ " **No. 45a/22/8QR**: No. 45a:  $1/4; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4; 13/16; 7/8; 15/16; 1$ "; No. 47a:  $5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4$ "; No. 427/10QR; 427/6QR; 427/3QR; 428QR; 435SG-QR; 442; 443; 453QR
- 2 bits PHILLIPS® **No. PH 1220; PH 1222**: PH0; PH2
- 3 bits TORQ-SET® **No. 13010**: Size 0; 2; 3
- 1 bit ratchet screwdriver  $1/4$ " **No. 4008**: L. 250 mm
- 1 bit holder  $1/4$ " **No. 12503**: L. 65 mm
- 3 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150; 1.6 x 10.0 x 175 mm
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 L-Key set hex **No. 10760a/9**:  $1/16; 5/64; 3/32; 1/8; 5/32; 3/16; 1/4; 5/16; 3/8$ "
- 1 pin punch and centre punch set **No. 105-8/6**: No. 105:  $\emptyset$  10 mm; No. 108:  $\emptyset$  2.5; 3; 4; 5; 6 mm
- 1 triangular special scraper **No. 10670**: L. 210 mm
- 1 plastic hammer **No. 10955**:  $\emptyset$  27 mm
- 1 engineer's hammer **No. 10961**: 300 g
- 1 magnetic lifter **No. 12600**: 500 g
- 1 telescopic mirror **No. 12921N**: L. 285-725 mm
- 1 claw lifter **No. 12922**:  $\emptyset$  6 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 wire twisting pliers **No. 6575**: L. 280 mm
- 1 side cutters **No. 6720**: L. 180 mm
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 scriber **No. 12321**: L. 250 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"
- 1 torch **No. 13124**: 165 lm (wide); 122 (narrow)
- 1 wire cutters **No. 13148**: L. 150 mm
- 1 bit box **No. 1208**: 1 quick-change holder  $1/4$ " | L. 25 mm: SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) | IN-HEX  $5/64; 9/64; 1/8; 3/16; 5/32; 7/64; 3/32; 7/32$ " | Adaptor  $1/4$ " 4KT/6KT | 30-pieces

Product no.	Content pcs.	kg
97846011	159	16

## 13205a



### Aerospace basic set

Contains 131-pieces:

- 1 double open-ended spanner set in roll-up tool pouch **No. 12a/13**:  $5/32; 3/16; 13/64; 7/32; 15/64; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "
- 16 combination spanners **No. 13a**:  $3/16; 13/64; 7/32; 15/64; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 5/8; 11/16; 3/4$ "
- 6 double-ended ring spanners **No. 230a**:  $5/16 \times 11/32; 3/8 \times 7/16; 7/16 \times 1/2; 1/2 \times 9/16; 9/16 \times 5/8; 11/16 \times 3/4$ "
- 1 adjustable spanner **No. 4025**: max. 13 mm
- 1 square drive adaptor  $3/8$ " **No. 409**:  $1/4$  to  $3/8$ "
- 1 socket set  $1/4$ " **No. 40aD/30/7QR**: No. 40a:  $1/8$ "; No. 40aD:  $5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "; No. 40aDL:  $5/32; 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16$ "; No. 402a:  $1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2$ "; No. 400QR; 405/2QR (2x); 405/6QR; 407QR; 412; 415SG-QR
- 6 bits slotted  $1/4$ " **No. 1161-1166**: 0.5 x 4; 0.6 x 3.5; 0.6 x 4.5; 0.8 x 4; 0.8 x 5.5; 1 x 5.5 mm
- 4 bits PHILLIPS®  $1/4$ " **No. PH 1220-1223**: PH0; PH1; PH2; PH3
- 6 bits TRI-WING®  $1/4$ " **No. 13008**: Size 0; 1; 2; 3; 4; 5
- 9 bits TORQ-SET®  $1/4$ " **No. 13010**: Size 0; 1; 2; 3; 4; 5; 6; 8; 10
- 1 bit ratchet screwdriver  $1/4$ " **No. 4008**: L. 250 mm
- 1 bit holder  $1/4$ " **No. 12503**: L. 65 mm
- 3 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150; 1.6 x 10.0 x 175 mm
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 combination pliers **No. 6700**: L. 180 mm
- 2 telephone pliers **No. 6730**: L. 160; 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 wire twisting pliers **No. 6575**: L. 230 mm
- 1 side cutters **No. 6720**: L. 180 mm
- 1 pin punch and centre punch **No. 105-8/6**: No. 105:  $\emptyset$  10 mm; No. 108:  $\emptyset$  2.5; 3; 4; 5; 6 mm
- 1 plastic hammer **No. 10955**:  $\emptyset$  27 mm
- 1 engineer's hammer **No. 10961**: 300 g
- 1 round file **No. 12025**: L. 210 mm
- 1 half-round file **No. 12030**: L. 260 mm
- 1 triangular file **No. 12035**: L. 210 mm
- 1 flat file **No. 12036**: L. 250 mm
- 1 telescopic mirror **No. 12921N**: L. 275-715 mm
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 hacksaw **No. 12053**: L. 252 mm
- 1 scriber **No. 12321**: L. 250 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"
- 1 torch **No. 13124**: 165 lm (wide); 122 lm (narrow)

Product no.	Content pcs.	kg
97846012	131	7.79

## 13211a



## Tool assortment

## Contains 56-pieces:

- 3 double open-ended spanners **No. 10a**:  $1/4 \times 5/16$ ;  $3/8 \times 7/16$ ;  $1/2 \times 9/16$ "
- 2 combination spanners **No. 13a**:  $7/32$ ;  $11/32$ "
- 3 double-ended ring spanners **No. 230a**:  $1/4 \times 5/16$ ;  $3/8 \times 7/16$ ;  $1/2 \times 9/16$ "
- 1 adjustable spanner **No. 4025**: max. 30 mm
- 1 bit holder  $1/4$ " **No. 442**: L. 32 mm
- 1 bit holder  $5/16$ " **No. 443**: L. 32 mm
- 1 QuickRelease speeder brace  $3/8$ " **No. 453QR**: L. 408 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 drift punch set **No. 104-105/6**: No. 104:  $\emptyset$  2; 3; 4; 5; 6 mm; No. 105:  $\emptyset$  12 mm
- 1 drift punch **No. 104**:  $\emptyset$  8 mm
- 1 pin punch set **No. 108/6**: No. 108:  $\emptyset$  2.5; 3; 4; 5; 6; 8 mm
- 4 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150; 1.6 x 10.0 x 175; 2.5 x 14.0 x 250 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 PH cross-head screwdriver **No. 4734**: PH2
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 self-grip wrench **No. 6564**: L. 175 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 triangular special scraper **No. 10670**: L. 260 mm
- 1 plastic hammer **No. 10955**:  $\emptyset$  32 mm
- 1 engineer's hammer **No. 10970**:  $3/4$ ; 1  $1/2$  lb.
- 1 round file **No. 12025**: L. 210 mm
- 1 half-round file **No. 12030**: L. 260 mm
- 1 triangular file **No. 12035**: L. 210 mm
- 1 flat file **No. 12036**: L. 260 mm
- 1 hacksaw **No. 12050**: L. 465 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 file brush **No. 12378**: L. 260 mm
- 1 sheet metal shears, right-cutting **No. 12752R**: L. 260 mm
- 1 warding file set **No. 12800**: 6-pieces
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"

Product no.	Content pcs.	$\Delta$ kg
97846008	56	9.94

## 13213a



## Tool assortment for engine mechanics

## Contains 127-pieces:

- 4 combination spanners **No. 13a**:  $19/32$ ;  $5/8$ ;  $11/16$ ;  $3/4$ "
- 8 combination spanners **No. 130a**:  $1/4$ ;  $9/32$ ;  $5/16$ ;  $11/32$ ;  $3/8$ ;  $7/16$ ;  $1/2$ ;  $9/16$ "
- 5 double-ended ring spanners **No. 24**:  $1/4 \times 5/16$ ;  $5/16 \times 3/8$ ;  $3/8 \times 7/16$ ;  $1/2 \times 9/16$ ;  $5/8 \times 3/4$ "
- 7 double-ended ring spanners **No. 230a**:  $1/4 \times 5/16$ ;  $5/16 \times 3/8$ ;  $3/8 \times 7/16$ ;  $7/16 \times 1/2$ ;  $9/16 \times 5/8$ ;  $5/8 \times 3/4$ ;  $11/16 \times 3/4$ "
- 2 extensions  $1/4$ " **No. 405**: L. 254; 356 mm
- 1 QuickRelease speeder brace  $1/4$ " **No. 413QR**: L. 440 mm
- 1 bit fine-tooth ratchet  $1/4$ " **No. 415SGB N**: L. 117 mm
- 1 socket set  $1/4$ " **No. 40aD/30/7QR**: No. 40a:  $1/8$ "; No. 40aD:  $5/32$ ;  $3/16$ ;  $7/32$ ;  $1/4$ ;  $9/32$ ;  $5/16$ ;  $11/32$ ;  $3/8$ ;  $7/16$ ;  $1/2$ ;  $9/16$ "; No. 40aDL:  $5/32$ ;  $3/16$ ;  $7/32$ ;  $1/4$ ;  $9/32$ ;  $5/16$ ;  $11/32$ ;  $3/8$ ;  $7/16$ ;  $1/2$ ;  $9/16$ "; No. 402a:  $1/4$ ;  $9/32$ ;  $5/16$ ;  $11/32$ ;  $3/8$ ;  $7/16$ ;  $1/2$ "; No. 400QR; 405/2QR (2x); 405/6QR; 407QR; 412; 415SG-QR
- 1 socket set  $3/8$ " **No. 45a/22/8QR**: No. 45a:  $1/4$ ;  $5/16$ ;  $11/32$ ;  $3/8$ ;  $7/16$ ;  $1/2$ ;  $9/16$ ;  $5/8$ ;  $11/16$ ;  $3/4$ ;  $13/16$ ;  $7/8$ ;  $15/16$ ; 1"; No. 47a:  $5/16$ ;  $3/8$ ;  $7/16$ ;  $1/2$ ;  $9/16$ ;  $5/8$ ;  $11/16$ ;  $3/4$ "; No. 427/10QR; 427/6QR; 427/3QR; 428QR; 435SG-QR; 442; 443; 453QR
- 5 pin punches **No. 109**:  $\emptyset$  0.9; 1.4; 1.8; 2.4; 2.8 mm
- 4 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125; 1.6 x 10.0 x 175; 2.0 x 12.0 x 200 mm
- 2 PH cross-head screwdrivers **No. 4631**: PH1; PH2
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 L-Key set hex **No. 10760a/10T**:  $1/16$ ;  $5/64$ ;  $3/32$ ;  $1/8$ ;  $5/32$ ;  $3/16$ ;  $7/32$ ;  $1/4$ ;  $5/16$ ;  $3/8$ "
- 1 engineer's hammer **No. 10961**: 300 g
- 1 precision feeler gauges, 22 blades **No. 11097**: 4-25 mm/1,000"
- 1 magnetic lifter **No. 12600**: 500 g
- 1 telescopic mirror **No. 12921N**: L. 285-725 mm
- 2 telephone pliers **No. 6731**: L. 160; 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 wire twisting pliers **No. 6575**: L. 230 mm
- 1 electronic's side cutters **No. 6707**: L. 115 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"

Product no.	Content pcs.	$\Delta$ kg
97846010	127	11.5

TOOLS THAT  
... inspire

## TOOL ASSORTMENTS IN TROLLEYS.

### Top features trolley 13217

for professional use

- robust and durable tool trolley made of polypropylene
- easily removable, lockable drawers with pull-out stops in different heights
- 1 removable shelf with 2 handles
- 2 transparent drawer covers beneath the top cover
- 2 smooth-running double castors at the telescopic handle side
- drawers can be used as separate toolboxes thanks to the transparent covers
- with one top cover and one removable cover at the front
- extendable telescopic handle and 2 side carry handles
- resistant to skydrol, acetone, petrol and hydraulic oils
- with integrated lock with 2 keys
- a padlock is optionally available



### 13214/1 WT/LR



#### 98814930 Line maintenance set (metric) in tool trolley No. 13217

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley No. 13217

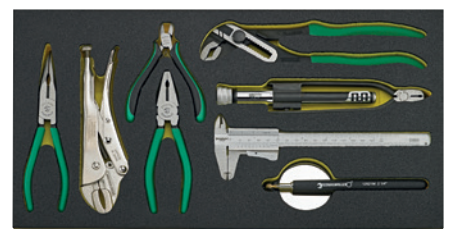
Product no.	L mm	W mm	H mm	Content pcs.	△ kg
98814930	381	581	455	163	27.5



96831100



96831101



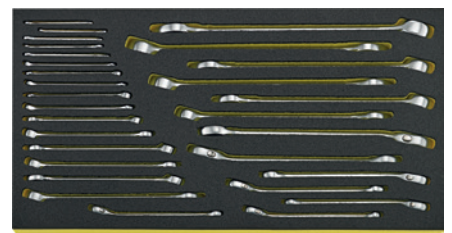
96831102



96831103



96831104



96831105

#### Contains 163-pieces:

##### 96831100

2 sockets with hex 1/4" No. 40: 4; 4.5 mm

11 sockets with bi-hex 1/4" No. 40D: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm

6 sockets with bi-hex 3/8" No. 45: 15; 17; 19; 21; 22; 24 mm

4 sockets long, with bi-hex 3/8" No. 46: 15; 17; 19; 21 mm

2 QuickRelease extensions 1/4" No. 408QR: L. 55; 150 mm

1 QuickRelease universal joint 1/4" No. 407/1QR: L. 45 mm

1 square drive adaptor **No. 409M**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm  
 1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm  
 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR**: L. 75; 240 mm  
 1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428/1QR**: L. 60 mm  
 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
 1 square drive adaptor **No. 432M**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm  
 1 bit holder  $\frac{5}{16}$ " **No. 443**: L. 32 mm  
 1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm  
 1 bit box **No. 1208**: 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm:  
 SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
 INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces  
 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm

**96831101**

1 QuickRelease speeder brace  $\frac{3}{8}$ " **No. 453QR**: L. 408 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 claw lifter **No. 12922**: L. 540 mm  
 1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
 1 adjustable spanner **No. 4025**: max. 24 mm  
 1 combination spanner **No. 13**: 30 mm  
 1 socket long, with hex **No. 40L**: 4.5 mm  
 11 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40DL**: 5; 5.5; 6; 7; 8; 9; 10; 11;  
 12; 13; 14 mm  
 5 uniflex sockets with bi-hex  $\frac{1}{4}$ " **No. 402**: 6; 7; 8; 9; 10 mm

**96831102**

1 caliper **No. 12900**: Measuring range: 150 mm/6"  
 1 telescopic mirror **No. 12921M**: L. 178-921 mm  
 1 water pump pliers **No. 6572**: L. 240 mm

1 wire twisting pliers **No. 6575**: L. 230 mm  
 1 self-grip wrench **No. 6564**: L. 175 mm  
 1 electronics side cutters **No. 6707**: L. 115 mm  
 1 combination pliers **No. 6700**: L. 160 mm  
 1 telephone pliers **No. 6731**: L. 200 mm

**96831103**

4 pin punches **No. 109**:  $\emptyset$  1.4; 2.8; 3.4; 3.9 mm  
 1 engineer's hammer **No. 10961**: 500 g  
 1 soft-faced hammer **No. 10959**:  $\emptyset$  35 mm  
 1 steel ruler **No. 13110**: L. 300 mm  
 1 brass punch **No. 12495**: L. 200 mm  
 1 scribe **No. 12321**: L. 250 mm  
 1 pen magnet lifter **No. 12601**: L. 145 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 torch **No. 13128**: 320 lm

**96831104**

4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade  
 2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125 mm  
 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3  
 1 round awl **No. 10758**: L. 280 mm  
 1 hook tool **No. 13001**: Angled 45°  
 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8;  
 10 mm  
 1 split pin puller **No. 13009**: L. 265 mm

**96831105**

17 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 12; 13; 14; 15;  
 17; 19; 20; 21; 22; 24; 27 mm  
 5 combination spanners **No. 16**: 3.2; 3.5; 4; 4.5; 5 mm  
 7 combination ratchet spanners **No. 17**: 8; 9; 10; 12; 13; 17; 19 mm





## 13214a/1 WT/LR



**98814935 Line maintenance set (imperial) in tool trolley**

**No. 13217**

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley **No. 13217**

Product no.	L mm	W mm	H mm	Content pcs.	⚖ kg
98814935	381	581	455	163	28



96831106



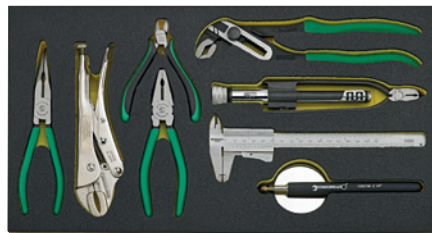
96831107



96831108



96831109



96831102



96831103

**Contains 163-pieces:**

### 96831106

- 10 sockets with bi-hex 1/4" **No. 40aD**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 8 sockets with bi-hex 3/8" **No. 45a**: 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 15/16; 1"
- 4 sockets long, with bi-hex 3/8" **No. 46a**: 5/8; 11/16; 3/4; 7/8"
- 2 QuickRelease extensions 1/2" **No. 408QR**: L. 55; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm
- 1 square drive adaptor **No. 409M** 1/4 to 3/8"
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N**: L. 117 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 2 QuickRelease extensions 3/8" **No. 426QR**: L. 75; 240 mm
- 1 QuickRelease universal joint 3/8" **No. 428QR**: L. 60 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N**: L. 193 mm
- 1 bit holder 5/16" **No. 443**: L. 32 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 bit box **No. 1208**: 1 quick-change holder 1/4" | L. 25 mm:  
SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
INHEX 5/64;9/64;1/8;3/16;5/32;7/64;3/32;7/32" | Adaptor 1/4" 4KT/6KT | 30-pieces
- 1 drive handle 1/4" **No. 400N**: L. 150 mm

### 96831107

- 1 QuickRelease speeder brace 3/8" **No. 453QR**: L. 408 mm
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm
- 1 cable knife **No. 12320**: Blade length: 90 mm
- 1 claw lifter **No. 12922**: L. 540 mm
- 1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm
- 1 adjustable spanner **No. 4025**: max. 24 mm
- 1 combination spanner **No. 13a**: 1 1/8"
- 10 sockets long, with bi-hex 1/4" **No. 40aDL**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 5 unifix sockets with bi-hex 1/4" **No. 402a**: 1/4; 5/16; 3/8; 7/16; 1/2"

### 96831108

- 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade
- 2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 round awl **No. 10758**: L. 280 mm
- 1 hook tool **No. 13001**: Angled 45°
- 1 L-Key set hex **No. 10767a/13**: 0.05; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16; 3/8"
- 1 split pin puller **No. 13009**: L. 265 mm

**96831109**

22 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  
 $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ;  $1 \frac{1}{16}$ "

6 combination ratchet spanners **No. 17a**:  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "

**96831102**

1 caliper **No. 12900**: Measuring range: 150 mm/6"

1 telescopic mirror **No. 12921M**: L. 178-921 mm

1 water pump pliers **No. 6572**: L. 240 mm

1 wire twisting pliers **No. 6575**: L. 230 mm

1 self-grip wrench **No. 6564**: L. 175 mm

1 electronics side cutters **No. 6707**: L. 115 mm

1 combination pliers **No. 6700**: L. 160 mm

1 telephone pliers **No. 6731**: L. 200 mm

**96831103**

4 pin punches **No. 109**:  $\varnothing$  1.4; 2.8; 3.4; 3.9 mm

1 engineer's hammer **No. 10961**: 500 g

1 soft-faced hammer **No. 10959**:  $\varnothing$  35 mm

1 steel ruler **No. 13110**: L. 300 mm

1 brass punch **No. 12495**: L. 200 mm

1 scriber **No. 12321**: L. 250 mm

1 pen magnet lifter **No. 12601**: L. 145 mm

1 tape measure **No. 12935**: L. 3 m

1 torch **No. 13128**: 320 lm





## 13221 WT/TS



### 98814915 AOG-set for aircraft in tool trolley No. 13217

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley No. 13217

Product no.	L mm	W mm	H mm	Content pcs.	⚖ kg
98814915	381	581	455	206	29



96830133



96830134



96830135



96830136



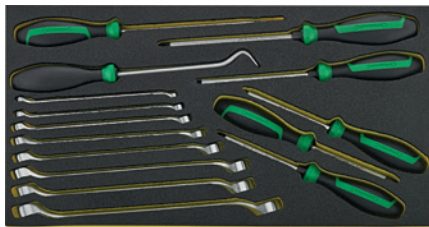
96830137



96830138



96830139



96830140

**Contains 206-pieces:**

**96830133**

- 10 sockets with bi-hex 1/4" **No. 40D**: 5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 10 sockets long, with bi-hex 1/4" **No. 40aDL**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 10 sockets with bi-hex 3/8" **No. 45**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- 8 sockets with bi-hex 3/8" **No. 45a**: 15/16; 1; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4"
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 2 QuickRelease extensions 3/8" **No. 426QR**: L. 75; 160 mm
- 2 QuickRelease extensions 1/4" **No. 408QR**: L. 55; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 45 mm
- 1 QuickRelease universal joint 3/8" **No. 428QR**: L. 60 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 mini fine-tooth bit ratchet 1/4" **No. 418B**: L. 90 mm
- 1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N**: L. 193 mm
- 1 torch **No. 13128**: 320 lm

- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 bit box **No. 1208**: 1 quick-change holder 1/4" | L. 25 mm: SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) | INHEX 5/64;9/64;1/8;3/16;5/32;7/64;3/32;7/32" | Adaptor 1/4" 4KT/6KT | 30-pieces

**96830134**

- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 1 connector pliers **No. 6576**: L. 230 mm
- 1 electronics side cutters **No. 6707**: L. 115 mm
- 1 combination pliers **No. 6700**: L. 160 mm
- 1 wire twisting pliers **No. 6575**: L. 230 mm
- 1 telescopic mirror **No. 12921**: Ø 50 mm
- 1 long nose gripping pliers **No. 6571**: L. 165 mm
- 1 camloc fastener **No. 4P3**: L. 190 mm

**96830135**

1 spark plug brush **No. 12375**: L. 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 scriber **No. 12321**: L. 250 mm  
 1 caliper **No. 12900**: Measuring range: 150 mm/6"  
 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade  
 1 claw lifter **No. 12922**: L. 540 mm  
 1 steel ruler **No. 13110**: L. 300 mm  
 1 tweezers, straight **No. 13130**: L. 160 mm  
 1 brass punch **No. 12495**: L. 200 mm  
 1 pen magnet lifter **No. 12601**: L. 145 mm  
 1 tire-tread caliper **No. 12900/3**: Measuring range: 0-30 mm  
 1 safety knife **No. 12965**: L. 174 mm

**96830136**

1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm  
 7 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40aDL**: 5; 6; 7; 8; 10; 11; 12; 13 mm  
 1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 4 pin punches **No. 109**:  $\emptyset$  1.4; 2.8; 3.4; 3.9 mm  
 1 engineer's hammer **No. 10961**: 500 g  
 1 soft-face hammer **No. 10959**:  $\emptyset$  30 mm  
 1 warding file set **No. 12800**: 6-pieces

**96830137**

1 double open-ended spanner **No. 10**: 27 x 32 mm  
 12 combination ratchet spanners **No. 17**: 8; 9; 10; 11; 12, 13; 14; 15; 16; 17; 18; 19 mm

**96830138**

1 slotted screwdriver with impact cap **No. 4622SK**: 0.8 x 4 x 90 mm  
 1 PH cross-head screwdriver with impact cap **No. 4632SK**: PH1  
 1 slotted carburettor screwdriver **No. 4724**: 1.0 x 5.5 x 25 mm  
 1 PZ cross-head screwdriver **No. 4744**: PZ1  
 4 electricians slotted screwdrivers **No. 4751**: 0.3 x 1.5 x 40; 0.4 x 2.0 x 60; 0.4 x 2.5 x 75; 0.5 x 3.0 x 75 mm  
 2 PH electricians cross-head screwdrivers **No. 4752**: PH0; PH1  
 1 ball-ended L-Key set hex **No. 10767H/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm  
 1 ball-ended L-Key set hex **No. 10767a/13**: 0.050;  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{64}$ ;  $\frac{1}{8}$ ;  $\frac{9}{64}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "  
 1 hook tool **No. 13001**: Angled 45°

**96830139**

9 double open-ended spanners **No. 10**: 4 x 5; 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 19 x 22  
 6 combination spanners **No. 13a**:  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ "  
 1 adjustable spanner **No. 4025** max. 24 mm

**96830140**

8 double-ended ring spanners **No. 23**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22 mm  
 1 PH cross-head screwdriver with impact cap **No. 4632SK**: PH2  
 2 TORQ-SET® screwdriver **No. 4636**: 4; 8 mm  
 1 slotted screwdriver with impact cap **No. 4622SK**: 1.2 x 6.5 x 125 mm  
 1 split pin puller **No. 13009**: L. 265 mm  
 1 PH cross-head screwdriver **No. 4632**: PH3  
 1 round awl **No. 10758**: L. 280 mm

TOOLS THAT  
 ... inspire



## 13224a WT/TS



### 98814910 AOG-set for aircraft (imperial) in tool trolley No. 13217

- safely integrated in the modular Tool Control System (TCS)
- 1 tool trolley No. 13217

Product no.	L mm	W mm	H mm	Content pcs.	⚖ kg
98814910	381	581	455	179	28.4



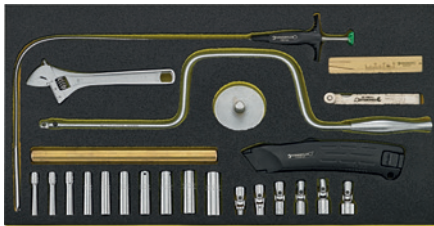
96830110



96830111



96830112



96830113



96830114



96830115



96830116

#### Contains 179-pieces:

##### 96830110

- 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm
- 10 sockets with bi-hex  $\frac{1}{4}$ " **No. 40aD**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 408QR**: L. 55; 150 mm
- 1 Wobble-Drive extension  $\frac{1}{4}$ " **No. 405W**: L. 54 mm
- 1 QuickRelease universal joint  $\frac{1}{4}$ " **No. 407QR**: L. 45 mm
- 1 square drive adaptor **No. 409**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "
- 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 25 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm
- 4 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46a**:  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{7}{8}$ "
- 8 sockets with bi-hex  $\frac{3}{8}$ " **No. 45a**:  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{15}{16}$ ; 1"
- 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR**: L. 75; 240 mm
- 1 Wobble-Drive extension  $\frac{3}{8}$ " **No. 427W**: L. 76 mm
- 1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428QR**: L. 60 mm
- 1 square drive adaptor **No. 432M**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "

- 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "
- 1 fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm
- 1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 250 mm
- 1 bit holder  $\frac{3}{8}$ " **No. 443**: L. 32 mm
- 1 bit box **No. 1208**: 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm: SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) | INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces
- 1 drive handle  $\frac{1}{4}$ " **No. 400N**: L. 150 mm

##### 96830111

- 4 pin punches **No. 109**:  $\varnothing$  1.4; 2.8; 3.4; 3.9 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 soft-faced hammer **No. 10959N**:  $\varnothing$  30 mm
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 combination spanner **No. 13a**: 1  $\frac{1}{8}$ "
- 1 scribe **No. 12321**: L. 250 mm

- 1 pen magnet lifter **No. 12601** : 500 g
- 1 tape measure **No. 12935**: L. 3 m
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"

**96830112**

- 1 telescopic mirror **No. 12921M**: L. 178-921 mm
- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 wire twisting pliers **No. 6575**: L. 230 mm
- 1 self-grip wrench **No. 6564**: L. 175 mm
- 1 electronics side cutters **No. 6707**: L. 115 mm
- 1 combination pliers **No. 6700**: L. 160 mm
- 1 telephone pliers **No. 6731**: L. 200 mm
- 1 connector pliers **No. 6576**: L. 230 mm

**96830113**

- 1 QuickRelease speeder brace  $\frac{3}{8}$ " **No. 453QR**: L. 408 mm
- 6 uniflex sockets with bi-hex  $\frac{1}{4}$ " **No. 402a**:  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 10 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40aDL**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 1 adjustable spanner **No. 4025**: max. 24 mm
- 1 tyre-tread caliper **No. 12900/3**: Measuring range: 0-30 mm
- 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1.00 mm
- 1 claw lifter **No. 12922**: L. 540 mm
- 1 brass punch **No. 12495**: L. 200 mm
- 1 safety knife **No. 12965**: L. 174 mm

**96830114**

- 3 double open-ended spanners **No. 12a**:  $\frac{5}{32}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ "
- 17 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ "
- 1 hacksaw **No. 12053**: L. 252 mm

**96830115**

- 2 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90; 1.2 x 6.5 x 125 mm
- 3 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2; PH3
- 1 slotted screwdrivers **No. 4724**: 1 x 5.5 x 25 mm
- 1 PH cross-head screwdriver **No. 4734**: PH2 L. 25 mm
- 1 L-Key set hex **No. 10767a/13**: 0.050;  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{64}$ ;  $\frac{1}{8}$ ;  $\frac{9}{64}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "
- 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade
- 1 split pin puller **No. 13009**: L. 265 mm
- 1 hook tool **No. 13001**: Angled 45°
- 1 round awl **No. 10758-2K**: L. 175 mm
- 1 torch **No. 13128**: 320 lm

**96830116**

- 5 combination spanners **No. 13a**:  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ "
- 1 warding file set **No. 12800**: 6-pieces
- 6 combination ratchet spanners **No. 17a**:  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "



## TOOL ASSORTMENTS FOR TROLLEYS.

### 805/4 WT TCS



#### 97842803 Tool assortment for trolleys No. 13217

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	kg
97842803	89	9.1



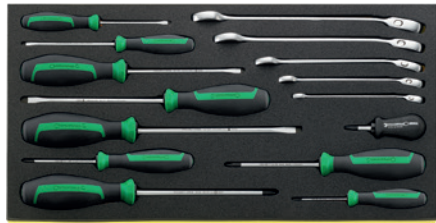
96834315



96834316



96834317



96834318

#### Contains 89-pieces:

##### 96834315 (tray)

- 10 sockets with hex 1/4" **No. 40**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 extensions 1/4" **No. 405**: L. 154; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 37 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 3 extensions 1/2" **No. 509**: L. 52; 75; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 1 ratchet 1/4" **No. 415-2K**: L. 117 mm

##### 96834316 (30 mm)

- 15 combination spanners **No. 13**: 6; 7; 8; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 22; 24 mm

##### 96834317 (30 mm)

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 L-Key set TORX® **No. 10771/8**: T9; T10; T15; T20; T25; T27; T30; T40

##### 96834318 (60 mm)

- 5 combination ratchet spanners **No. 17**: 8; 10; 13; 17; 19 mm
- 5 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm
- 1 electrician's slotted screwdriver **No. 4628**: 0.4 x 2.5 x 60 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 PH cross-head screwdriver **No. 4734**: PH2



#### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, tool trolleys and workbenches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

## 806/6 WT TCS



## 97830207 Tool assortment for trolleys No. 13217

— safely integrated in the modular Tool Control System (TCS)

Product no.	Content pcs.	⚖️ kg
97830207	104	14.2



96830094



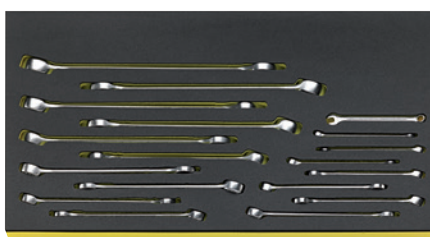
96830095



96830096



96830097



96830098



96830099

## Contains 104-pieces:

## 96830094 (tray)

- 10 sockets with hex  $\frac{1}{4}$ " No. 40: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 17 sockets with hex  $\frac{1}{2}$ " No. 52: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 2 extensions  $\frac{1}{4}$ " No. 405: L. 54; 150 mm
- 1 universal joint  $\frac{1}{4}$ " No. 407: L. 37 mm
- 1 drive handle  $\frac{1}{4}$ " No. 400N: L. 150 mm
- 1 T-handle  $\frac{1}{4}$ " No. 404: L. 116 mm
- 1 bit holder  $\frac{1}{4}$ " No. 412: L. 25 mm
- 3 extensions  $\frac{1}{2}$ " No. 509: L. 75; 130; 255 mm
- 1 universal joint  $\frac{1}{2}$ " No. 510: L. 71 mm
- 1 T-handle  $\frac{1}{2}$ " No. 506: L. 300 mm
- 1 ratchet  $\frac{1}{2}$ " No. 512-2K: L. 265.5 mm
- 1 ratchet  $\frac{1}{4}$ " No. 415-2K: L. 117 mm

## 96830095 (30 mm)

- 10 double open-ended spanners No. 10: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm

## 96830096 (30 mm)

- 5 combination ratchet spanners No. 17: 8; 10; 13; 17; 19 mm
- 1 L-Key hex No. 10760: 12 mm
- 1 flat chisel No. 102: W. 20; L. 175 mm
- 2 pin punches No. 108:  $\varnothing$  6; L. 150; 175 mm
- 1 pin punch No. 109:  $\varnothing$  3.4 mm
- 1 engineer's hammer No. 10961: 500 g
- 1 L-Key set hex No. 10760/9: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

## 96830097 (30 mm)

- 1 combination pliers No. 6700: L. 180 mm
- 1 telephone pliers No. 6730: L. 200 mm
- 2 circlip pliers No. 6543, 6545: J2; A2
- 1 water pump pliers No. 6551: L. 240 mm
- 1 self-grip wrench No. 6564: L. 175 mm
- 1 heavy-duty side cutters No. 6721: L. 160 mm

## 96830098 (60 mm)

- 18 combination spanners No. 13: 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm

## 96830099 (60 mm)

- 5 slotted screwdrivers No. 4620: 0.6 x 3.5 x 75; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150; 1.6 x 8.0 x 175 mm
- 3 PH cross-head screwdrivers No. 4630: PH1; PH2; PH3
- 1 nylon hammer No. 10956N:  $\varnothing$  35 mm

## TCS 13214/1 WT/LM 1



### Socket set

- for the removable tray of tool trolley No. 13217
- cannot be combined with transparent cover 13217 TA
- safely integrated in the modular Tool Control System (TCS)

### Contains 69-pieces:

- 2 sockets with hex 1/4" **No. 40**: 4; 4.5 mm
- 11 sockets with bi-hex 1/4" **No. 40D**: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 6 sockets with bi-hex 3/8" **No. 45**: 15; 17; 19; 21; 22; 24 mm
- 4 sockets long, with bi-hex 3/8" **No. 46**: 15; 17; 19; 21 mm
- 2 QuickRelease extensions 1/2" **No. 408QR**: L. 55; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407/1QR**: L. 45 mm
- 1 square drive adaptor **No. 409M**: 1/4 to 3/8"
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N**: L. 117 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 2 QuickRelease extensions 3/8" **No. 426QR**: L. 75; 240 mm
- 1 QuickRelease universal joint 3/8" **No. 428/1QR**: L. 60 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/2"
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N**: L. 193 mm
- 1 bit holder 5/16" **No. 443**: L. 32 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 bit box **No. 1208**: 1 quick-change holder 1/4" | L. 25 mm: SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) | INHEX 5/64;9/64;1/8;3/16;5/32;7/64;3/32;7/32" | Adaptor 1/4" 4KT/6KT | 30-pieces
- 1 drive handle 1/4" **No. 400N**: L. 150 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831100	245	465	50	69	2.54

## TCS 13214a/1 WT/LM 1



### Socket set

- for the removable tray of tool trolley No. 13217
- cannot be combined with transparent cover 13217 TA
- safely integrated in the modular Tool Control System (TCS)

### Contains 68-pieces:

- 10 sockets with bi-hex 1/4" **No. 40aD**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 8 sockets with bi-hex 3/8" **No. 45a**: 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 15/16; 1"
- 4 sockets long, with bi-hex 3/8" **No. 46a**: 5/8; 11/16; 3/4; 7/8"
- 2 QuickRelease extensions 1/2" **No. 408QR**: L. 55; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm
- 1 square drive adaptor **No. 409M**: 1/4 to 3/8"
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N**: L. 117 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 2 QuickRelease extensions 3/8" **No. 426QR**: L. 75; 240 mm
- 1 QuickRelease universal joint 3/8" **No. 428QR**: L. 60 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/2"
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N**: L. 193 mm
- 1 bit holder 5/16" **No. 443**: L. 32 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 bit box **No. 1208**: 1 quick-change holder 1/4" | L. 25 mm: SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) | INHEX 5/64;9/64;1/8;3/16;5/32;7/64;3/32;7/32" | Adaptor 1/4" 4KT/6KT | 30-pieces
- 1 drive handle 1/4" **No. 400N**: L. 150 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831106	245	460	45	68	2.61

TOOLS THAT  
... inspire

## TCS 13214/1 WT/LM 2



### Tool assortment

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

### Contains 24-pieces:

- 1 QuickRelease speeder brace  $\frac{3}{8}$ " No. 453QR: L. 408 mm
- 1 precision feeler gauges, 20 blades No. 11095: 0.05-1.00 mm
- 1 cable knife No. 12320: Blade length: 90 mm
- 1 claw lifter No. 12922: L. 540 mm
- 1 tyre-tread caliper No. 12900/3: Measuring range: 0-30 mm
- 1 adjustable spanner No. 4025: max. 24 mm
- 1 combination spanner No. 13: 30 mm
- 1 socket long, with hex  $\frac{1}{4}$ " No. 40L: 4.5 mm
- 11 sockets long, with bi-hex  $\frac{1}{4}$ " No. 40DL: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 5 uniflex sockets with bi-hex  $\frac{1}{4}$ " No. 402: 6; 7; 8; 9; 10 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831101	250	465	30	24	2.02

## TCS 13214a/1 WT/LM 2



### Tool assortment

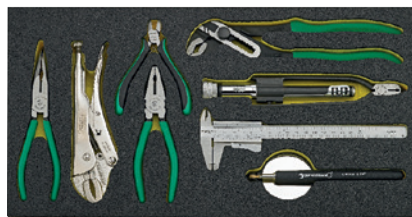
- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

### Contains 22-pieces:

- 1 QuickRelease speeder brace  $\frac{3}{8}$ " No. 453QR: L. 408 mm
- 1 precision feeler gauges, 20 blades No. 11095: 0.05-1.00 mm
- 1 cable knife No. 12320: Blade length: 90 mm
- 1 claw lifter No. 12922: L. 540 mm
- 1 tyre-tread caliper No. 12900/3: Measuring range: 0-30 mm
- 1 adjustable spanner No. 4025: max. 24 mm
- 1 combination spanner No. 13a: 1  $\frac{1}{8}$ "
- 10 sockets long, with bi-hex  $\frac{1}{4}$ " No. 40aDL:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "
- 5 uniflex sockets with bi-hex  $\frac{1}{4}$ " No. 402a:  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ "

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831107	255	460	30	22	1.99

## TCS 13214/1 WT/LM 3



### Tool assortment

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

### Contains 8-pieces:

- 1 caliper No. 12900: Measuring range: 150 mm/6"
- 1 telescopic mirror No. 12921M: L. 178-921 mm
- 1 water pump pliers No. 6572: L. 240 mm
- 1 wire twisting pliers No. 6575: L. 230 mm
- 1 self-grip wrench No. 6564: L. 175 mm
- 1 electronic's side cutters No. 6707: L. 115 mm
- 1 combination pliers No. 6700: L. 160 mm
- 1 telephone pliers No. 6731: L. 200 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831102	250	460	30	8	1.83

## TCS 13214/1 WT/LM 4



### Tool assortment

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

### Contains 12-pieces:

- 4 pin punches No. 109:  $\emptyset$  1.4; 2.8; 3.4; 3.9 mm
- 1 engineer's hammer No. 10961: 500 g
- 1 soft-faced hammer No. 10959:  $\emptyset$  35 mm
- 1 steel ruler No. 13110: L. 300 mm
- 1 brass punch No. 12495: L. 200 mm
- 1 scribe No. 12321: L. 250 mm
- 1 pen magnet lifter No. 12601: L. 145 mm
- 1 tape measure No. 12935: L. 3 m
- 1 torch No. 13128: 320 lm

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
96831103	245	460	60	12	2.25

Tool assortments

## TCS 13214/1 WT/LM 5



**Tool assortment**

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

**Contains 13-pieces:**

- 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade
- 2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 6.5 x 125 mm
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 round awl **No. 10758**: L. 280 mm
- 1 hook tool **No. 13001**: Angled 45°
- 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 split pin puller **No. 13009**: L. 265 mm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96831104	250	455	60	13	1.6

## TCS 13214a/1 WT/LM 5



**Tool assortment**

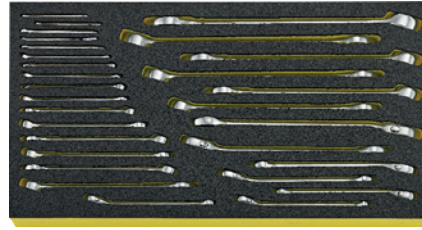
- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

**Contains 25-pieces:**

- 4 plastic scrapers **No. 10678**: Medium blade, **No. 10679**: Narrow blade, **No. 10680**: Slanted blade, **No. 10681**: Sharp blade
- 2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm
- 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3
- 1 round awl **No. 10758**: L. 280 mm
- 1 hook tool **No. 13001**: Angled 45°
- 1 L-Key set hex **No. 10767a/13**: 0.05; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16; 3/8"
- 1 split pin puller **No. 13009**: L. 265 mm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96831108	245	458	60	25	1.64

## TCS 13214/1 WT/LM 6



**Spanner set**

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

**Contains 29-pieces:**

- 17 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 12; 13; 14; 15; 17; 19; 20; 21; 22; 24; 27 mm
- 5 combination spanners **No. 16**: 3.2; 3.5; 4; 4.5; 5 mm
- 7 combination ratchet spanners **No. 17**: 8; 9; 10; 12; 13; 17; 19 mm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96831105	245	460	60	29	2.81

## TCS 13214a/1 WT/LM 6



**Spanner set**

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

**Contains 28-pieces:**

- 22 combination spanners **No. 13a**: 3/16; 13/64; 7/32; 15/64; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 25/32; 13/16; 7/8; 15/16; 1 1/16"
- 6 combination ratchet spanners **No. 17a**: 1/4; 5/16; 3/8; 7/16; 1/2; 9/16"

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96831109	245	458	60	28	2.88

## TCS 13217 WT MOTOR 10/10 6-32



### Double open-ended spanner set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

10 double open-ended spanners **No. 10:** 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 21; 20 x 22; 24 x 27; 30 x 32 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96830120	250	460	30	10	1545

## TCS 13217 WT OPEN BOX 13/18 6-24



### Combination spanner set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

18 combination spanners **No. 13:** 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96830121	250	460	60	18	1940

## TCS 13217 WT MOTOR 10a/9



### Double open-ended spanner set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 9-pieces:

9 double open-ended spanners **No. 10a:**  $\frac{1}{4} \times \frac{5}{16}$ ;  $\frac{3}{8} \times \frac{7}{16}$ ;  $\frac{1}{2} \times \frac{9}{16}$ ;  $\frac{19}{32} \times \frac{11}{16}$ ;  $\frac{5}{8} \times \frac{3}{4}$ ;  $\frac{3}{4} \times \frac{7}{8}$ ;  $\frac{25}{32} \times \frac{13}{16}$ ;  $\frac{15}{16} \times 1$ ;  $1 \frac{1}{8} \times 1 \frac{5}{16}$ "

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96830124	250	460	30	9	1600

## TCS 13217 WT OPEN BOX 13a/22



### Combination spanner set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 22-pieces:

22 combination spanners **No. 13a:**  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ;  $1$ ;  $1 \frac{1}{16}$ "

Product no.	L mm	W mm	H mm	Content pcs.	△ g
96830125	250	460	60	22	2440

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## TCS 13217 WT OPEN RATCH 17/12



### Combination ratchet spanner set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 12-pieces:

12 combination ratchet spanners **No. 17**: 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm

Product no.	L mm	W mm	H mm	Content pcs.	♻️ g
96830128	250	460	30	12	1485

## TCS 13217 WT FastRatch 240/10



### Ratchet spanner set

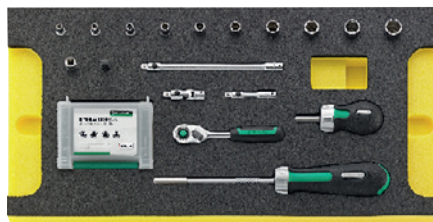
- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

10 ratchet spanners **No. 240**: 8; 10; 11; 12; 13; 14; 16; 17; 18; 19 mm

Product no.	L mm	W mm	H mm	Content pcs.	♻️ g
96830130	250	460	30	10	2005

## TCS WT 40/4008/10/9



### Socket set

- for the removable tray of tool trolley No. 13217
- cannot be combined with transparent cover 13217 TA
- safely integrated in the modular Tool Control System (TCS)

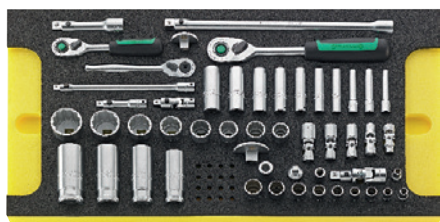
#### Contains 39-pieces:

10 sockets with hex 1/4" **No. 40**: 4; 4.5; 5; 6; 7; 8; 10; 11; 12; 13 mm  
 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm  
 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm  
 1 bit holder 1/4" **No. 412**: L. 25 mm  
 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm  
 1 bit box **No. 1204/21-1**: 4 x PH; 4 x PZ; 9 x TORX®; 3 x hex  
 1 bit adaptor, manual 1/4" **No. 3116**: L. 50 mm  
 2 bit ratchet screwdriver 1/4" **No. 4008**: L. 95; 250 mm

Product no.	L mm	W mm	H mm	Content pcs.	♻️ kg
96830132	250	460	55	39	0.99



## TCS WT 40/45/46/37/14



### Socket set

- for the removable tray of tool trolley No. 13217
- cannot be combined with transparent cover 13217 TA
- safely integrated in the modular Tool Control System (TCS)

### Contains 51-pieces:

- 10 sockets with bi-hex 1/4" **No. 40aD**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 10 sockets long, with bi-hex 1/4" **No. 40aDL**: 3/16; 7/32; 1/4; 9/32; 5/16; 11/32; 3/8; 7/16; 1/2; 9/16"
- 5 unifix sockets with bi-hex 1/4" **No. 402a**: 1/4; 5/16; 3/8; 7/16; 1/2"
- 2 QuickRelease extensions 1/4" **No. 405QR**: L. 54; 150 mm
- 1 QuickRelease universal joint 1/4" **No. 407QR**: L. 38 mm
- 1 square drive adaptor **No. 409M**: 1/4 to 3/8"
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 1 bit fine-tooth ratchet 1/4" **No. 415SGB N**: L. 117 mm
- 8 sockets with bi-hex 3/8" **No. 45a**: 1/2; 9/16; 19/32; 5/8; 11/16; 3/4; 15/16; 1"
- 4 sockets long, with bi-hex 3/8" **No. 46a**: 5/8; 11/16; 3/4; 7/8"
- 2 QuickRelease extensions 3/8" **No. 427QR**: L. 76; 240 mm
- 1 QuickRelease universal joint 3/8" **No. 428QR**: L. 46 mm
- 1 square drive adaptor **No. 431**: 3/8 to 1/4"
- 1 square drive adaptor **No. 432M**: 3/8 to 1/2"
- 1 QuickRelease fine-tooth ratchet 3/8" **No. 435QR N**: L. 193 mm
- 1 bit holder 3/8" **No. 443**: L. 32 mm

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
96830123	250	460	60	51	2.5

## TCS WT 40/52/27/13



### Socket set

- for the removable tray of tool trolley No. 13217
- cannot be combined with transparent cover 13217 TA
- safely integrated in the modular Tool Control System (TCS)

### Contains 40-pieces:

- 10 sockets with hex 1/4" **No. 40**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 1 drive handle 1/4" **No. 400N**: L. 150 mm
- 1 T-handle 1/4" **No. 404**: L. 116 mm
- 2 extensions 1/4" **No. 405**: L. 54; 150 mm
- 1 universal joint 1/4" **No. 407**: L. 38 mm
- 1 bit holder 1/4" **No. 412**: L. 25 mm
- 1 QuickRelease fine-tooth ratchet 1/4" **No. 415QR N**: L. 117 mm
- 17 sockets with hex 1/2" **No. 52**: 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24; 27; 30; 32 mm
- 1 T-handle 1/2" **No. 506**: L. 300 mm
- 3 extensions 1/2" **No. 509**: L. 52; 130; 255 mm
- 1 universal joint 1/2" **No. 510**: L. 71 mm
- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
96830117	350	530	60	40	4



**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## TCS WT 4622SK-4650/10767H/20



### Screwdriver set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 20-pieces:

- 3 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90; 1.0 x 5.5 x 100; 1.2 x 6.5 x 125 mm
- 3 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2; PH3
- 5 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30
- 1 L-Key set hex **No. 10767H/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Content pcs.	kg
96830122	220	460	60	20	1.5

## TCS WT 4650-4665 VDE/10767a/24



### Screwdriver set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 24-pieces:

- 5 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75; 0.6 x 3.5 x 100; 1.0 x 5.5 x 125 mm
- 3 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2; PH3
- 1 L-Key set hex **No. 10767a/13**: 0.050; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16; 3/8"

Product no.	L mm	W mm	H mm	Content pcs.	kg
96830127	250	460	60	24	1.4

## TCS WT 4622SK-4650/10767a/24



### Screwdriver set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 24-pieces:

- 3 slotted screwdrivers with impact cap **No. 4622SK**: 0.8 x 4.0 x 90; 1.0 x 5.5 x 100; 1.2 x 6.5 x 125 mm
- 3 PH cross-head screwdrivers with impact cap **No. 4632SK**: PH1; PH2; PH3
- 5 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30
- 1 L-Key set hex **No. 10767a/13**: 0.050; 1/16; 5/64; 3/32; 7/64; 1/8; 9/64; 5/32; 3/16; 7/32; 1/4; 5/16; 3/8"

Product no.	L mm	W mm	H mm	Content pcs.	kg
96830126	250	460	60	24	1.61

## TCS WT 4650-4665 VDE/10767H/20



### Screwdriver set

- suitable for the 60 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 20-pieces:

- 5 TORX® screwdrivers **No. 4650**: T10; T15; T20; T25; T30
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75; 0.6 x 3.5 x 100; 1.0 x 5.5 x 125 mm
- 3 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2; PH3
- 1 L-Key set hex **No. 10767H/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Content pcs.	kg
96830129	250	460	60	20	1.32

## TCS WT 6551-6730/7



### Pliers set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 2 circlip pliers **No. 6543, 6545**: J2; A2
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 self-grip wrench **No. 6564**: L. 250 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96830118	250	460	30	7	1.88

## TCS WT 6543-6730/7



### Pliers set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 7-pieces:

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 2 circlip pliers **No. 6543, 6545**: J2; A2
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 wire twisting pliers **No. 6575**: L. 230 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96830131	260	460	30	7	1.66

## TCS WT 102-109/16



### Hammer and chisel set

- suitable for the 30 mm drawers of tool trolley No. 13217
- safely integrated in the modular Tool Control System (TCS)

#### Contains 16-pieces:

- 1 flat chisel **No. 102**: W. 20; L. 175 mm
- 1 centre punch **No. 105**: Ø 12 mm
- 6 pin punches **No. 108**: Ø 2; 3; 4; 5; 6; 8 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 nylon hammer **No. 10956**: Ø 27 mm
- 1 engineer's hammer **No. 10961**: 300 g
- 1 telescopic stainless steel mirror **No. 12921M**: Ø 32 mm
- 1 tape measure **No. 12935**: L. 3 m
- 1 steel ruler **No. 13110**: L. 300 mm
- 1 cable knife **No. 12320**: L. 111 mm
- 1 pen light **No. 13126-2**: 35 lm

Product no.	L mm	W mm	H mm	Content pcs.	⊕ kg
96830119	250	460	30	16	1.79

7



### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, tool trolleys and workbenches. Two-colour foam inlays make checking the completeness of the tools quick and easy.

## TOOL ASSORTMENTS IN CASES.



### Top features tool box 13301

robust aluminium frame with impact edge protection

- ABS case shells
- 2 lockable flip-locks
- hinge cover
- variable base shell
- stable feet
- cover plate with 15 compartments, tool board with 22 compartments
- separate document compartment in lid
- max. load capacity: 25 kg

### 13301/69



#### Tool assortment in case

1 tool case **No. 13301**: 2 lockable flip-locks; removable inserts

#### Contains 69-pieces:

- 1 socket clip rail with sockets  $\frac{1}{4}$ " **No. 40D/10-12916**: 5; 5.5; 6; 7; 8; 9; 10; 12; 13; 14 mm
- 1 bit ratchet screwdriver  $\frac{1}{4}$ " **No. 4008**: L. 95 mm
- 1 bit adaptor, manual  $\frac{1}{4}$ " **No. 3116**: L. 50 mm
- 3 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 1.2 x 6.5 x 150; 1.0 x 5.5 x 125 mm
- 2 PH cross-head screwdrivers **No. 4632**: PH1; PH2
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 plastic hammer **No. 10955**: Ø 35 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 drift punch **No. 104**: Ø 2 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 voltage tester **No. 10554**: 125-250 V
- 1 double open-ended spanner set **No. 10/9N**: 6 x 7; 8 x 9; 10 x 11;

12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm

1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

1 wooden folding ruler **No. 13112**: L. 2 m

Product no.	L mm	W mm	H mm	Content pcs.	kg
98830182	500	210	350	69	9.5

### 13301/87



#### Tool assortment in case

1 tool case **No. 13301**: 2 lockable flip-locks; removable inserts

#### Contains 87-pieces:

- 1 socket clip rail with sockets  $\frac{1}{2}$ " **No. 50/10-12918**: 10, 13, 14, 17, 19, 22, 24, 27, 30, 32 mm
- 1 QuickRelease extension  $\frac{1}{2}$ " **No. 509QR**: L. 130 mm
- 1 QuickRelease fine-tooth ratchet  $\frac{1}{2}$ " **No. 512QR N80**: L. 265.5 mm
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.6 x 3.5 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 3 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2; PH3
- 1 VDE combination pliers **No. 6700 VDE**: L. 180 mm
- 1 VDE telephone pliers **No. 6730 VDE**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 VDE heavy-duty side cutters **No. 6721 VDE**: L. 160 mm
- 1 drift punch **No. 104**: Ø 2 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 plastic hammer **No. 10955**: Ø 35 mm
- 1 voltage tester **No. 10554**: 125-250 V
- 1 engineer's hammer **No. 10961**: 500 g
- 1 adjustable spanner **No. 4025** max. 34 mm
- 3 combination spanners **No. 13**: 21; 22; 24 mm
- 1 ratchet bit set, in softcase **No. 40/29/4 SCI**: No. 3825/1; 3116; 4008-2; 40: 5.5; 6; 7; 8; 10; 12; 13; 14 mm; 21 bits: SL 1x5.5; PH1 (x2); PH2 (x2); PH3; PZ1 (x2); PZ2 (x2); T10; 15; 20; 25; 30; 40; INHEX: 3; 4; 5; 6 mm; No. 418B
- 1 combination spanner set **No. 13/10**: 8; 9; 10; 11; 12; 13; 14; 15; 17; 19 mm
- 1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m

Product no.	L mm	W mm	H mm	Content pcs.	kg
98830183	500	210	390	87	12.5



**Top features tool box 13302/TR**

Robust aluminium frame with impact edge protection

- with trolley function
- ABS case shells, ergonomically shaped carrying handle
- with user-friendly telescopic handle and 2 inline castors
- 2 lockable flip-lock and Proficode combination lock
- hinge cover
- variable base tray (2 aluminium dividers)
- stable base feet
- cover plate with 15 insert pockets, tool board with 22 insert pockets
- separate document compartment in the lid
- maximum load capacity: 30 kg

**13302/TR/69**



**Tool assortment in case**

1 tool case **No. 13302/TR**: Trolley function; combination lock; removable inserts

**Contains 69-pieces:**

- 1 socket clip rail with sockets **1/4" No. 40D/10-12916**: 5; 5.5; 6; 7; 8; 9; 10; 12; 13; 14 mm
- 1 bit ratchet screwdriver **1/4" No. 4008**: L. 250 mm
- 1 bit adaptor, manual **1/4" No. 3116**: L. 50 mm
- 3 slotted screwdrivers **No. 4620**: 0.6 x 3.5 x 75; 1.2 x 6.5 x 150; 1.0 x 5.5 x 125 mm
- 2 PH cross-head screwdrivers **No. 4632**: PH1; PH2
- 1 combination pliers **No. 6700**: L. 180 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 plastic hammer **No. 10955**: Ø 35 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 drift punch **No. 104**: Ø 2 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 voltage tester **No. 10554**: 125-250 V

- 1 double open-ended spanner set **No. 10/9N**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 24 mm
- 1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
98830184	525	275	455	69	12

**13302/TR/87**



**Tool assortment in case**

1 tool case **No. 13302/TR**: Trolley function; Combination lock; removable inserts

**Contains 87-pieces:**

- 1 socket clip rail with sockets **1/2" No. 50/10-12918**: 10; 13; 14; 17; 19; 22; 24; 27; 30; 32 mm
- 1 QuickRelease extension **1/2" No. 509QR**: 130 mm
- 1 QuickRelease fine-tooth ratchet **1/2" No. 512QR N80**: L. 265.5 mm
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.6 x 3.5 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 3 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2; PH3
- 1 VDE combination pliers **No. 6700 VDE**: L. 180 mm
- 1 VDE telephone pliers **No. 6730 VDE**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 VDE heavy-duty side cutters **No. 6721 VDE**: L. 160 mm
- 1 drift punch **No. 104**: Ø 2 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 plastic hammer **No. 10955**: Ø 35 mm
- 1 voltage tester **No. 10554**: 125-250 V
- 1 engineer's hammer **No. 10961**: 500 g
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 3 combination spanners **No. 13**: 21; 22; 24 mm
- 1 ratchet bit set, in soft case **1/4" No. 40/29/4 SCI**: No. 3825/1; 3116; 4008-2; 40: 5.5; 6; 7; 8; 10; 12; 13; 14 mm; 21 bits: SL 1x5.5; PH1 (x2); PH2 (x2); PH3; PZ1 (x2); PZ2 (x2); T10; 15; 20; 25; 30; 40; INHEX: 3; 4; 5; 6 mm; No. 418B
- 1 combination spanner set **No. 13/10**: 8; 9; 10; 11; 12; 13; 14; 15; 17; 19 mm
- 1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
98830185	520	280	460	87	15



## 13302/TR/99



### Electronic tool set

1 tool case with trolley function **No. 13302/TR**

#### Contains 99-pieces:

- 10 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 5 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{3}{8}$ ;  $\frac{1}{2}$ "
- 5 combination spanners **No. 16**: 3.2; 3.5; 4; 4.5; 5 mm
- 1 adjustable spanner **No. 4025**: max. 13 mm
- 2 nut spinners **No. 12500N**: 6; 7 mm
- 4 L-Keys hex **No. 10765**: 2; 2.5; 3; 4 mm
- 1 slotted screwdriver **No. 4621 5**: 1.2 x 8.0 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH0; PH1; PH2
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5; 0.8 x 4.0; 1.2 x 6.5 mm
- 2 slotted screwdrivers **No. 4724**: 0.6 x 3.5 x 25; 1.0 x 5.5 x 25 mm
- 3 electronics hex screwdrivers **No. 4753**: 0.7; 0.9; 1.3 mm
- 1 combination pliers **No. 6700**: L. 160 mm
- 1 telephone pliers **No. 6730**: L. 160 mm
- 1 needle nose pliers **No. 6536**: L. 160 mm
- 1 electronics side cutters **No. 6707**: L. 115 mm
- 1 mini electronics side cutters **No. 6708**: L. 110 mm

- 1 wire strippers: max.  $\varnothing$  4 mm<sup>2</sup>
- 8 pin punches **No. 109**:  $\varnothing$  0.9; 1.4; 1.8; 2.4; 2.8; 3.4; 3.9; 5.9 mm
- 2 L-Keys slotted **No. 10546**: 0.8 x 4.0; 1.0 x 5.5 mm
- 1 wire cutters **No. 13148**: L. 150 mm
- 1 caliper **No. 12900**: Measuring range: 150 mm/6"
- 1 telescopic mirror **No. 12921N**:  $\varnothing$  50 mm
- 1 voltage tester **No. 10554**: 125-250 V
- 1 L-Key set hex **No. 10760a/9**:  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{1}{8}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "
- 1 electronic screwdriver set **No. 4797**: 4751: 0.3 x 1.5 x 40, 0.4 x 2.0 x 60; 0.4 x 2.5 x 75; 0.5 x 3.0 x 75 mm; 4752: PH00; PH1
- 1 needle file set **No. 13100**: 6-pieces

### Aerospace tool kit No. 13211:

- 1 desoldering device: EGB/ESD
- 1 PCB connector: L. 180 mm: 6-piece
- 1 magnetic lifter and inspection mirror set: 2-piece
- 1 assembly tweezers: transverse
- 1 tweezers, curved: L. 165 mm
- 1 universal tweezers: L. 140 mm
- 1 precision knife
- 1 replacement blade for precision knife
- 1 test equipment set
- 1 spring hook set, in bag: 7-piece
- 1 soldering iron: 40 W
- 1 oil filler: 5 ccm
- 1 radio solder pen: 1.0 60% Sn
- 1 file block: 115 x 8 mm, jaws pointed
- 1 watchmaker magnifying glass: 7X magnification
- 1 desoldering wire: 1.4 mm, 1.5 m
- 1 retaining slotted screwdriver: 0.8 x 5.0 x 150 mm
- 1 retaining slotted screwdriver: 0.6 x 4.0 x 125 mm

Product no.	L mm	W mm	H mm	Content pcs.	$\varnothing$ kg
96221010	520	280	460	99	11.5



## TOOL ASSORTMENTS IN L-BOXX®.

### Top features of L-BOXX® tool box

mobile tool storage solution for trade and industry

- protects tools from damage and water spray
- compatible with the entire L-BOXX® range
- honeycomb function increases the stability of the base
- innovative one-handed click system
- contents are accessible even when the boxes are stacked and connected
- impact-resistant ABS plastic
- load capacity: 12 kg
- weight bearing capacity: 85 kg, can also be used as a step

## 136/95 L-BOXX®



### Tool assortment basic

1 tool box L-BOXX®

Contains 95-pieces:

Tool card in lid:

- 1 slotted screwdriver **No. 4621**: 0.5 x 3.5 x 90 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 voltage tester **No. 10554**: 125-250 V
- 1 magnetic lifter **No. 12600**: 270 g
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 water pump pliers **No. 6551**: L. 240 mm

### 96830700 TCS L-BOXX® basic set:

- 7 combination spanners **No. 13**: 8; 10; 13; 17; 19; 22; 24 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces
- 1 bit holder 1/2" **No. 543**: L. 38 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm
- 1 extension 1/2" **No. 509**: L. 130 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 11 sockets with hex 1/2" **No. 52**: 8; 10; 12; 13; 16; 17; 18; 19; 22; 24, 27 mm
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

Product no.	L mm	W mm	H mm	Filling volume	Content pcs.	kg
97830700	360	444	152	12.2 l	95	7.34

## 136/96 L-BOXX®



### Tool assortment industry

1 tool box L-BOXX®

Contains 96-pieces:

Tool card in lid:

- 4 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH0; PH1; PH2; PH3
- 3 VDE electrician's slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75; 0.6 x 3.5 x 100; 1.0 x 5.5 x 125 mm
- 1 wire strippers: max. Ø 4 mm<sup>2</sup>
- 1 VDE side cutters **No. 6720 VDE**: L. 160 mm
- 1 VDE telephone pliers **No. 6730 VDE**: L. 160 mm
- 1 VDE telephone pliers **No. 6731 VDE**: L. 200 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 mini magnetic lifter **No. 12600**: 270 g

### 96830702 TCS L-BOXX® industry set:

- 1 stripping knife **No. 12967**: Ø 4-28 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces
- 1 engineer's hammer **No. 10961**: 500 g
- 1 voltage tester **No. 10554**: 125-250 V
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 95 mm
- 1 putty knife **No. 12481**: L. 112 mm
- 1 torch **No. 13132**: 130 lm
- 1 L-Key set TORX® **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 1 safety knife **No. 12965**: L. 174 mm

Product no.	L mm	W mm	H mm	Filling volume	Content pcs.	kg
97830701	360	444	152	12,2 l	111	9.5

Tool assortments

# 136/111 L-BOXX®



**Tool assortment electrics**

1 tool box L-BOXX®

**Contains 111-pieces:**

**Tool card in lid:**

- 1 slotted screwdriver **No.: 4621**: 0.5 x 3.5 x 90 mm
- 3 PH cross-head screwdrivers **No. 4630**: PH1; PH2; PH3
- 1 voltage tester No. 10554: 125-250 V
- 1 L-Key set TORX. **No. 10766/8**: T9; T10; T15; T20; T25; T27; T30; T40
- 1 L-Key set hex **No. 10760/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 side cutters **No. 6720**: L. 180 mm

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 safety knife **No. 12965**: L. 174 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 fl at chisel **No. 102**: W. 18; L. 150 mm
- 1 torch **No. 13132**: 130 lm

**96830701 TCS L-BOXX® electrics set:**

- 7 combination spanners **No. 13**: 8; 10; 13; 17; 19; 22; 24 mm
- 1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | TBO10;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces
- 1 bit holder 1/2" **No. 543**: L. 38 mm
- 1 bit ratchet screwdriver 1/4" **No. 4008**: L. 95 mm
- 1 extension 1/2" **No. 509**: L. 130 mm
- 1 ratchet 1/2" **No. 512-2K**: L. 265.5 mm
- 11 sockets with hex 1/2" **No. 52**: 8; 10; 12; 13; 16; 17; 18; 19; 22; 24, 27 mm
- 1 engineer's hammer **No. 10961**: 500 g
- 1 adjustable spanner **No. 4025**: max. 34 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 mini magnetic lifter **No. 12600**: 270 g

Product no.	L mm	W mm	H mm	Filling volume	Content pcs.	△ kg
97830702	360	444	152	12,2 l	96	7.5



## TOOL ASSORTMENTS IN TOOL BOXES.

### Key features of the tool box

for mobile use

- with 4 drawers, a compartment under the lid, a safety lock and a sturdy aluminium structural sheet on the lid
- wide, spring-mounted, plastic-covered handles on the sides
- high-quality, fully-extendable stable sliding rail system
- easy-to-remove drawers
- affix items to the perforated panel with spring clamps No. 8050



## 13214



### 98814803 Line maintenance set in carrying case No. 13216N/4

- for maintenance work on aircraft and helicopters
- safely integrated in the modular Tool Control System (TCS)
- 1 carrying case No. 13216N/4

Product no.	L mm	W mm	H mm	Content pcs.	△ kg
98814803	580	300	494	146	27.5



96830795



96830804



96830805



96830806



96831794

### Contains 146-pieces:

#### Lid contents

- 6 tool spring clamps No. 8036: Size 1
- 4 tool spring clamps No. 8050: Size 6
- 1 claw lifter No. 12922: Ø 6 mm L. 540 mm
- 1 mini magnetic lifter No. 12600: 270 g
- 1 hacksaw No. 12053: L. 252 mm
- 1 bit holder 1/4" No. 4000: L. 190 mm
- 1 QuickRelease speeder brace 3/8" No. 453QR: L. 408 mm
- 1 bit slotted 1/4" No. 1163: 0.6 x 4.5 mm

#### 96830795

- 1 telephone pliers No. 6731: L. 200 mm
- 1 combination pliers No. 6700: L. 160 mm
- 1 water pump pliers No. 6551: L. 240 mm
- 1 self-grip wrench No. 6564: L. 175 mm
- 1 wire twisting pliers No. 6575: L. 230 mm
- 1 electronic's side cutters No. 6707: L. 115 mm

- 4 pin punches No. 109: Ø 1.4; 2.8; 3.4; 3.9 mm
- 1 steel ruler No. 13310: L. 300 mm

#### 96830804

- 2 sockets with hex 1/4" No. 40: 4; 4.5 mm
- 11 sockets with bi-hex 1/4" No. 40D: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 1 socket long, with hex 1/4" No. 40L: 4.5 mm
- 11 sockets long, with bi-hex 1/4" No. 40DL: 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13; 14 mm
- 5 uniflex sockets with bi-hex 1/4" No. 402: 6; 7; 8; 9; 10 mm
- 1 QuickRelease universal joint 1/4" No. 407/1QR: L. 38 mm
- 2 QuickRelease extensions 1/4" No. 408QR: L. 55; 150 mm
- 1 square drive adaptor No. 409M: 1/4 to 3/8"
- 1 QuickRelease fine-tooth ratchet 1/4" No. 415QR N: L. 117 mm
- 1 bit holder 1/4" No. 412: L. 20 mm
- 6 sockets with bi-hex 3/8" No. 45: 15; 17; 19; 21; 22; 24 mm

## Tool assortments

4 sockets long, with bi-hex  $\frac{3}{8}$ " **No. 46**: 15; 17; 19; 21 mm  
 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR**: L. 75; 240 mm  
 1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428/1QR**: L. 46 mm  
 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{4}$ "  
 1 square drive adaptor **No. 432M**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 1 bit holder  $\frac{3}{8}$ " **No. 443**: L. 32 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm  
 4 double-ended ratchet ring spanners **No. 25**: 7 x 8; 9 x 10; 12 x 13; 17 x 19 mm  
 1 telescopic mirror **No. 12921M**:  $\varnothing$  57 mm

### 96830805

18 combination spanners **No. 13**: 5.5; 6; 7; 8; 9; 10; 12; 13; 14; 15; 17; 19; 20; 21; 22; 24; 27; 30 mm  
 5 combination spanners **No. 16**: 3.2; 3.5; 4; 4.5; 5 mm

### 96830806

2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm

1 cable knife **No. 12320**: Blade length: 90 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 scriber **No. 12321**: L. 250 mm  
 1 caliper **No. 12900**: Measuring range: 150 mm/6"  
 1 torch **No. 13218**: 320 lm  
 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

### 96831794

1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm  
 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3  
 1 engineer's hammer **No. 10961**: 500 g  
 1 nylon hammer **No. 10956N**:  $\varnothing$  35 mm  
 1 bit box **No. 1208**: 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm:  
 SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
 INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces  
 1 hook tool **No. 13001**: Angled 45°



## 13214a



### 98814801 Line maintenance set in carrying case No. 13216N/4

- for maintenance work on aircraft and helicopters
- safely integrated in the modular Tool Control System (TCS)
- 1 carrying case **No. 13216N/4**

Product no.	L mm	W mm	H mm	Content pcs.	$\varnothing$ kg
98814801	580	300	494	147	27.23



96830795



96830796



96831793



96831794



96835692

### Contains 147-pieces:

#### Lid contents

1 QuickRelease speeder brace  $\frac{3}{8}$ " **No. 453QR**: 408 mm  
 1 bit slotted  $\frac{1}{4}$ " **No. 1163**: 0.6 x 4.5 mm  
 1 bit holder  $\frac{1}{4}$ " **No. 4000**: L. 190 mm  
 1 hacksaw **No. 12053**: L. 252 mm  
 1 mini magnetic lifter **No. 12600**: 270 g  
 1 claw lifter **No. 12922**:  $\varnothing$  6 mm; L. 540 mm  
 2 tool spring clips **No. 8050**: Size 6; 12

#### 96830795

1 telephone pliers **No. 6731**: L. 200 mm  
 1 combination pliers **No. 6700**: L. 160 mm  
 1 water pump pliers **No. 6551**: L. 240 mm  
 1 self-grip wrench **No. 6564**: L. 175 mm  
 1 wire twisting pliers **No. 6575**: L. 230 mm  
 1 electronics side cutters **No. 6707**: L. 115 mm  
 4 pin punches **No. 109**:  $\varnothing$  1.4; 2.8; 3.4; 3.9 mm  
 1 steel ruler **No. 13110**: L. 300 mm

**96830796**

23 combination spanners **No. 13a**:  $\frac{3}{16}$ ;  $\frac{13}{64}$ ;  $\frac{7}{32}$ ;  $\frac{15}{64}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{25}{32}$ ;  $\frac{13}{16}$ ;  $\frac{7}{8}$ ;  $\frac{15}{16}$ ; 1; 1  $\frac{1}{16}$ ; 1  $\frac{1}{8}$ "

**96831793**

2 slotted screwdrivers **No. 4622**: 1.0 x 5.5 x 100; 1.2 x 8.0 x 150 mm  
 1 precision feeler gauges, 20 blades **No. 11095**: 0.05-1 mm  
 1 tape measure **No. 12935**: L. 3 m  
 1 caliper **No. 12900**: Measuring range: 150 mm/6"  
 1 ball-ended L-Key set hex **No. 10767a/13**: 0.050;  $\frac{1}{16}$ ;  $\frac{5}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{64}$ ;  $\frac{1}{8}$ ;  $\frac{9}{64}$ ;  $\frac{5}{32}$ ;  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ "  
 1 cable knife **No. 12320**: Blade length: 90 mm  
 1 scriber **No. 12321**: L. 250 mm  
 1 torch **No. 13128**: 320 lm

**96831794**

1 bit fine-tooth ratchet  $\frac{1}{4}$ " **No. 415SGB N**: L. 117 mm  
 3 PH cross-head screwdrivers **No. 4632**: PH1; PH2; PH3  
 1 engineer's hammer **No. 10961**: 500 g  
 1 nylon hammer **No. 10956**:  $\varnothing$  35 mm  
 1 bit box **No. 1208**: 1 quick-change holder  $\frac{1}{4}$ " | L. 25 mm:  
 SL4,5;6,5;8 mm | PH1;2;3 (2x) | T6;15;20 | T-SET 4;6;8;10 (2x) |  
 INHEX  $\frac{5}{64}$ ;  $\frac{9}{64}$ ;  $\frac{1}{8}$ ;  $\frac{3}{16}$ ;  $\frac{5}{32}$ ;  $\frac{7}{64}$ ;  $\frac{3}{32}$ ;  $\frac{7}{32}$ " | Adaptor  $\frac{1}{4}$ " 4KT/6KT | 30-pieces  
 1 hook tool **No. 13001**: Angled 45°

**96835692**

4 double-ended ratchet ring spanners **No. 25aN**:  $\frac{1}{4}$  x  $\frac{5}{16}$ ;  $\frac{5}{16}$  x  $\frac{11}{32}$ ;  $\frac{3}{8}$  x  $\frac{7}{16}$ ;  $\frac{1}{2}$  x  $\frac{9}{16}$ "  
 10 sockets with bi-hex  $\frac{1}{4}$ " **No. 40aD**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "  
 10 sockets long, with bi-hex  $\frac{1}{4}$ " **No. 40aDL**:  $\frac{3}{16}$ ;  $\frac{7}{32}$ ;  $\frac{1}{4}$ ;  $\frac{9}{32}$ ;  $\frac{5}{16}$ ;  $\frac{11}{32}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ ;  $\frac{9}{16}$ "  
 5 uniflex sockets with bi-hex  $\frac{1}{4}$ " **No. 402a**:  $\frac{1}{4}$ ;  $\frac{5}{16}$ ;  $\frac{3}{8}$ ;  $\frac{7}{16}$ ;  $\frac{1}{2}$ "  
 2 QuickRelease extensions  $\frac{1}{4}$ " **No. 408QR**: L. 55; 150 mm  
 1 QuickRelease universal joint  $\frac{1}{4}$ " **No. 407QR**: L. 38 mm  
 1 square drive adaptor **No. 409M**:  $\frac{1}{4}$  to  $\frac{3}{8}$ "  
 1 bit holder  $\frac{1}{4}$ " **No. 412**: L. 20 mm  
 1 QuickRelease fine-tooth ratchet  $\frac{1}{4}$ " **No. 415QR N**: L. 117 mm  
 8 sockets with bi-hex  $\frac{3}{8}$ " **No. 45a**:  $\frac{1}{2}$ ;  $\frac{9}{16}$ ;  $\frac{19}{32}$ ;  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{15}{16}$ ; 1"  
 4 sockets with bi-hex  $\frac{3}{8}$ " **No. 46a**:  $\frac{5}{8}$ ;  $\frac{11}{16}$ ;  $\frac{3}{4}$ ;  $\frac{7}{8}$ "  
 2 QuickRelease extensions  $\frac{3}{8}$ " **No. 426QR**: L. 75; 240 mm  
 1 QuickRelease universal joint  $\frac{3}{8}$ " **No. 428QR**: L. 46 mm  
 1 square drive adaptor **No. 431**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 1 square drive adaptor **No. 432M**:  $\frac{3}{8}$  to  $\frac{1}{2}$ "  
 1 QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 435QR N**: L. 193 mm  
 1 bit holder  $\frac{3}{8}$ " **No. 443**: L. 32 mm  
 1 telescopic mirror **No. 12921N**:  $\varnothing$  50 mm



## OTHER TOOL ASSORTMENTS.

### 13215/105



#### Multi-Use Tool Set

A backpack trolley for mobile use, equipped with a comprehensive selection of hand tools for maximum flexibility in changing work situations.

#### Key features of the backpack trolley

- sturdy tool backpack with reinforced bottom
- flexible use as a trolley or a backpack
- extendable, padded straps convert trolley into a backpack
- large, smooth-running wheels and a practical telescopic handle for convenient transport
- 2 easily removable tool panels for the most important everyday tools
- front pockets for documents and accessories
- padded notebook compartment (up to 15")

#### Contains 105-pieces:

1 socket set, in soft case 1/4" **No. 40/16/3QR SCI**: No. 40: 6; 7; 8; 10; 13 mm; No. 418QR; No. 405QR; No. 412; No. 1300, 1302: 3; 5 mm; No. 1166: 1.0 x 5.5 mm; No. PH 1221-1222: PH1; PH2; No. PZ 1222: PZ2; No. 1415-1419: T15; T20; T25; T27; T30

1 bit box **No. 1206**: 1 bit holder | L. 25 mm: SL4;5;6 mm (2x) | PH1;2;3 (3x) | PZ1;2;3 (3x) | T10;15;20;25;27;30;40 (2x) | T B010;15;20;25;27;30;40 | INHEX 3;4;5 mm | L. 75 mm: SL6 mm | PH2;3 | PZ1;2 | T20;25 | 56-pieces

1 screwdriver set **No. 4687**: No. 4620: 0.6 x 3.5 mm, 1.0 x 5.5 mm, 1.2 x 6.5 mm; No. 4630: PH1, PH2

1 bit ratchet screwdriver 1/4" **No. 4008**: L. 250 mm

1 L-Key set hex **No. 10765/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm

10 double open-ended spanners in roll-up pouch **No. 10/10**: 6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32 mm

1 engineer's hammer **No. 10961**: 500 g

1 water pump pliers **No. 6551**: L. 240 mm

1 combination pliers **No. 6700**: L. 160 mm

1 side cutters **No. 6720**: L. 180 mm

Product no.	L mm	W mm	H mm	Content pcs.	kg
98810302	250	380	520	105	10.04



## 13253/38



### Agrar on-board tool set

- tool set especially for the agricultural industry
- extra long combination spanners for better leverage; particularly effective for loosening tight screws
- available separately, supplementary set 96830278
- perfect size for storing away behind the driver's seat in tractors
- in a fold-out fabric case

### Contains 38-pieces:

- 7 combination spanners **No. 14**: 10; 13; 17; 19; 22; 24; 27 mm (2 each)
- 1 slotted screwdriver **No. 4622**: 2.5 x 14.0 x 250 mm
- 1 slotted screwdriver **No. 4620**: 1.2 x 6.5 x 150 mm
- 2 PH cross-head screwdrivers **No. 4630**: PH1, PH2
- 1 ball-ended L-Key set hex **No. 10767/9**: 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 engineer's hammer **No. 10961**: 800 g
- 1 flat chisel **No. 102**: W. 18; L. 150 mm
- 3 pin punches **No. 108**: Ø 2.5; 4; 6 mm
- 1 cable knife **No. 12320**: L. 111 mm
- 1 telescopic torch with magnet **No. 13122** L. 170-550 mm
- 1 magnetic tray **No. 650 MS**: Ø 108 mm
- 1 wooden folding ruler **No. 13112**: L. 2 m
- 1 socket clip rail, without sockets **No. 12918/10**: for 1/2" sockets (for 10-pieces)

Product no.	L mm	W mm	H mm	Filling volume	Content pcs.	⚖️ kg
97830217	445	110	290	0,26 l	38	7.63

## 13253/1 10



### Supplementary tool set AGRAR MOBIL

- tool assortment as a supplementary set for AGRAR MOBIL set 97830217

### Contains 10-pieces:

- 1 QuickRelease fine-tooth ratchet 1/2" **No. 512QR N80**: L. 265.5 mm
- 1 QuickRelease extension 1/2" **No. 509QR**: L. 255 mm
- 7 sockets with bi-hex 1/2" **No. 50**: 10; 13; 17; 19; 22; 24; 27 mm
- 1 water pump pliers **No. 6572**: L. 300 mm

Product no.	Content pcs.	⚖️ kg
96830278	10	2.06





# 8 Pliers

394 **Combination and telephone pliers**

395 **Side cutters**

396 **End cutters**

397 **Wire strippers and crimping pliers**

398 **Wire twisting pliers**

398 **Water pump pliers**

401 **Pipe wrenches**

406 **Nippers and specialist pliers**

408 **Circlip pliers**

410 **Self-grip wrenches**

411 **Electronics pliers**

414 **Bolt cutters**

418 **Structural steel mesh cutters**

420 **Plier sets in TCS inlays**



# STAHLWILLE PLIERS – Precise. Strong. Ergonomic.

For precise work and powerful gripping – STAHLWILLE pliers with multi-component handles. The comfortable handles with textured surface allow safe, low-fatigue work, even with oily hands.



## Precise.

Specially hardened, high-precision cutting edges allow clean and effortless cutting, even of piano wire.

## Durable.

Smooth-running lap joints and high-quality materials for a long tool life.

## Reliable.

The anti-slip protection prevents hands slipping off towards the jaws.



### Patented.

The PowerGRIP pipe wrench from STAHLWILLE impresses with its variable, smooth, quick adjustment and high gear ratio for impressive gripping power.



MADE IN CRONENBERG  
MADE IN GERMANY

8

### Ergonomic.

Low-fatigue work without pressure points thanks to ergonomically designed handle profile.

### Special.

Everything but standard. In addition to universal pliers, STAHLWILLE also offers special tools such as wire twisting pliers.



# VBW PLIERS – designed and manufactured in Germany. Professional tools – since 1828.

For generations, VBW has been synonymous with robust tools of the highest quality. Since the tools on construction sites often have to withstand the toughest conditions during demolition or renovation work, our tools are manufactured in Germany with the highest level of manufacturing precision. Numerous unique features also ensure efficient and comfortable work. VBW – a STAHLWILLE Group brand.

# LIGHT



**VBW**



## Powerful.

VBW bolt cutters and structural steel mesh cutters are particularly powerful and offer high cutting performance with low effort.

## Light.

The LightCUT® series of flat-oval, high-strength aluminium tubes are light in weight at around half the weight of a comparable tool. For fatigue-free work and precise results.

## Durable.

All VBW bolt cutters and structural steel mesh cutters are made of high-quality special steel. Drop-forged blade and tube heads guarantee a long service life.



### High-quality.

"The red with the yellow dot" stands for the professional quality of VBW water pump pliers. Inductively hardened teeth (including burner hole) offer a long service life.



MADE IN CRONENBERG  
MADE IN GERMANY

8

### Robust.

Forged professional tip quality for a wide range of applications in trades and industry. The self-clamping teeth ensure a secure grip on the workpiece enabling effortless, non-slip work.

### Stable.

Water pump pliers from VBW have push-through sliding joints that are extremely stable due to the double guide.

### Reliable.

The pliers are particularly safe as they offer pinch protection against crushing of fingers.



Pliers

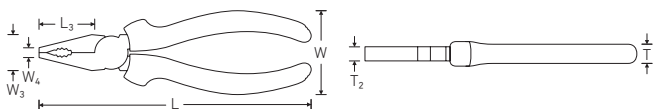
# COMBINATION AND TELEPHONE PLIERS.

## 6700



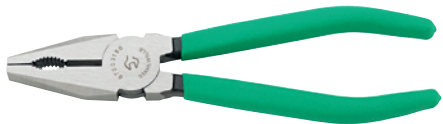
**Combination pliers**

- for gripping, holding and cutting cables as well as soft and hard wire
- with fine and coarse serrated gripping surface, with cutters
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5746



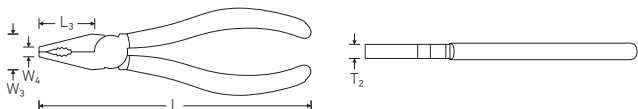
Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⊗ g
67001160	160	34	21	10.5	57	24	6	210
67001180	180	38	22	11.5	57	26	7	275
67001200	200	42	23	12.5	55	29	8	340

## 6700



**Combination pliers**

- for gripping, holding and cutting cables as well as soft and hard wire
- with fine and coarse serrated gripping surface, with cutters
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5746



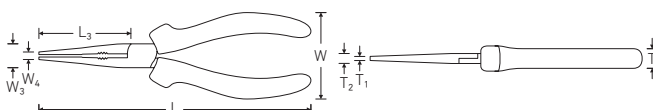
Product no.	L mm	L <sub>3</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⊗ g
67003160	160	34	10.5	24	6	182
67003180	180	38	11.5	26	7	254
67003200	200	42	12.5	29	8	304

## 6730



**Telephone pliers**

- straight with cutters and burner hole
- for precise gripping of nuts, pins and cotter pins
- flat-round, tapered jaws with serrated gripping surface
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5745



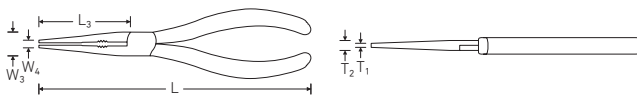
Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⊗ g
67301160	160	47	21	3.5	9.5	55	18	3.5	155
67301200	200	70	22	4	11	57	20	5	215

## 6730



**Telephone pliers**

- straight with cutters and burner hole
- for precise gripping of nuts, pins and cotter pins
- flat-round, tapered jaws with serrated gripping surface
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5745

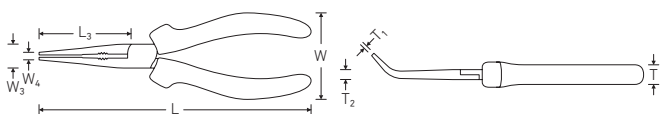


Product no.	L mm	L <sub>3</sub> mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⊗ g
67303160	160	47	3.5	9.5	18	3.5	130
67303200	200	70	4	11	20	5	182

6731

**Telephone pliers**

- curved (45°) with cutters and burner hole
- for precise gripping of nuts, pins and cotter pins
- flat-round, curved jaws with serrated gripping surface
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5745

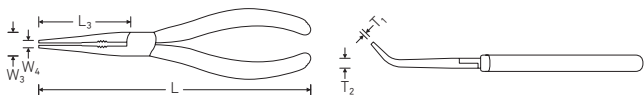


Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	∠°	∅ g
67311160	160	43	30	3.5	9.5	54	18	3.5	45	155
67311200	200	63	35	4	11	57	20	5	45	215

6731

**Telephone pliers**

- curved (45°) with cutters and burner hole
- for precise gripping of nuts, pins and cotter pins
- flat-round, curved jaws with serrated gripping surface
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5745



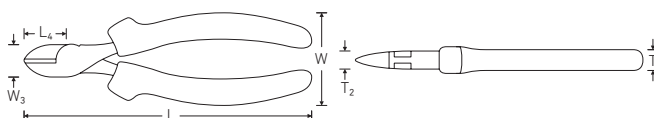
Product no.	L mm	L <sub>3</sub> mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	W <sub>4</sub> mm	∠°	∅ g
67313160	160	43	3.5	9.5	18	3.5	45	132
67313200	200	63	4	11	20	5	45	192

SIDE CUTTERS.

6720

**Side cutters**

- with half-round head shape for cutting cables, soft and hard wires, including piano wire
- bevelled cutting edges
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5749

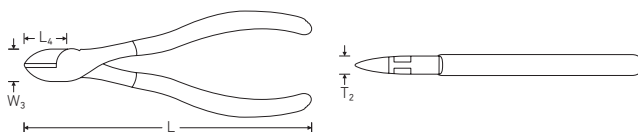


Product no.	L mm	L <sub>4</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	∅ g
67201140	140	19	22	11	59	20	180
67201160	160	19	22	11	58	22	235
67201180	180	21	23	11.5	56	24	265

6720

**Side cutters**

- with half-round head shape for cutting cables, soft and hard wires, including piano wire
- bevelled cutting edges
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5749



Product no.	L mm	L <sub>4</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	∅ g
67203140	140	19	11	20	145
67203160	160	19	11	22	208
67203180	180	21	11.5	24	230

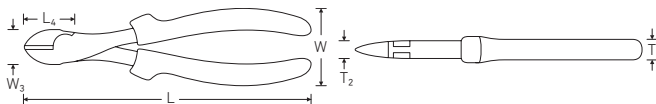
Pliers

6721



Heavy-duty side cutters

- half-round, compact head for flush cutting of all wire types
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5749



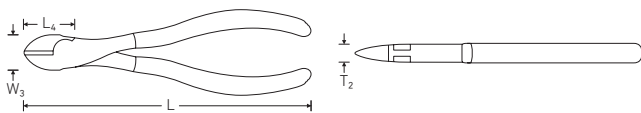
Product no.	L mm	L <sub>4</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	⊕ g
67211160	160	16	21	11	52	26	210
67211180	180	21	22	12	56	30	300
67211200	200	20	23	12	54	32	300

6721



Heavy-duty side cutters

- half-round, compact head for flush cutting of all wire types
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5749



Product no.	L mm	L <sub>4</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	⊕ g
67213160	160	16	11	26	196
67213180	180	21	12	30	266
67213200	200	20	12	32	270

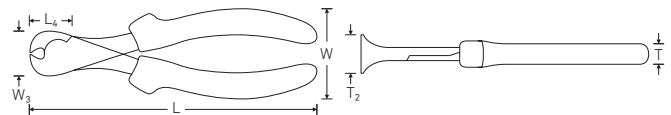
END CUTTERS.

6770



Heavy-duty end cutters

- for cutting, tying/braiding and twisting wires
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- chrome-plated
- with 2-component handles
- DIN ISO 5748



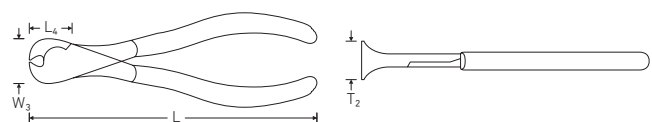
Product no.	L mm	L <sub>4</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	⊕ g
67701160	160	8	21	25	56	30	225

6770



Heavy-duty end cutters

- for cutting, tying/braiding and twisting wires
- hardened and tempered steel, drop-forged
- cutting edges with additional induction hardening to approx. 64 HRC
- polished head
- plastic coated handles
- DIN ISO 5748



Product no.	L mm	L <sub>4</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	⊕ g
67703160	160	8	25	30	200

6617

**Lever action end cutters**

- for piano wire
- optimum cutting results thanks to double-lever mechanism
- special steel
- head polished, 80CRV2 (1.2235)
- DIN ISO 5748

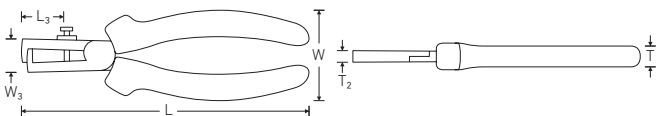
Product no.	L mm	T mm	W mm	∅ g
66170180	180	30	50	394
66170215	215	30	63	440
66170235	235	30	47	467

## WIRE STRIPPERS AND CRIMPING PLIERS.

6780

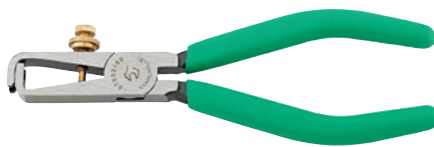
**Wire strippers**

- with adjustment screw and opening spring for setting to the desired wire or cord diameter
- for easy removal of the insulating sheaths from electrical conductors (single-, multi- and fine-wire)
- hardened and tempered steel, drop-forged
- cutting edges also induction hardened to approx. 44 HRC
- chrome-plated
- with 2-component handles

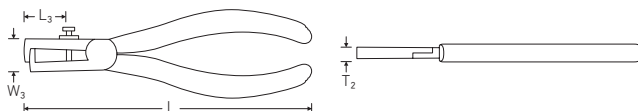


Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	∅ max. mm	∅ g
67801160	160	26	21	9.5	58	18	5	185

6780

**Wire strippers**

- with adjustment screw and opening spring for setting to the desired wire or cord diameter
- for easy removal of the insulating sheaths from electrical conductors (single-, multi- and fine-wire)
- hardened and tempered steel, drop-forged
- cutting edges also induction hardened to approx. 44 HRC
- polished head
- plastic coated handles



Product no.	L mm	L <sub>3</sub> mm	T <sub>2</sub> mm	W <sub>3</sub> mm	∅ max. mm <sup>2</sup>	∅ g
67803160	160	26	9.5	18	5	164

6638

**Crimping pliers**

- for crimping insulated cable lugs, plug, butt and parallel connectors (red/blue/yellow)
- for stripping wires with ∅ 0.5 to 6 mm
- with cutting edge for cable separation
- releasable auto lock for high performance precision and easy handling
- non-slip handles with anti-slip protection

Product no.	L mm	Crimping range mm <sup>2</sup>	∅ g
66383220	220	red = 0.5-1 (AWG 20-18); blue = 1.5-2,5 (AWG 16-14); yellow = 4-6 (AWG 12-10)	477

TOOLS THAT  
... inspire

## WIRE TWISTING PLIERS.

6575



### Wire twisting pliers

- for twisting wires up to Ø 1.6 mm (0.06")
- with cutters
- secure grip thanks to special serration design
- cutting jaws bevelled by 40°
- for both clockwise and counter-clockwise rotation
- with automatic return
- Chrome Alloy Steel, head and handles burnished

Product no.	L mm	△△ g
65751220	230	330
65751280	280	440

## WATER PUMP PLIERS.

6551



### Water pump pliers

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- Chrome Alloy Steel, forged and oil-hardened
- plastic coated handles
- DIN ISO 8976 (No. 207 C)

Product no.	L mm	Jaw opening max. mm	Positions	△△ g
65516175	175	24	6x	173
65516240	240	34	7x	320
65516300	300	45	7x	520

6515



### Mini water pump pliers

- compact version with slim head shape for use in confined working areas
- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- plastic coated handles
- Chrome Alloy Steel, forged and oil-hardened
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	△△ g
65156125	125	25	4x	118

6572



### Water pump pliers FastGRIP

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- quick adjustment of the pliers at the push of a button
- variable and smooth fine adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- Chrome Alloy Steel, forged and oil-hardened
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	△△ g
65726180	180	28	10x	236
65726240	240	37	12x	405
65726300	300	44	15x	530



188

**Water pump pliers**

- professional version for continuous use
- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- with knurled handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	△ g
87188005	160	17	4x	106
87188010	250	30	6x	295
87188015	315	40	6x	487

188/3S

**Water pump plier set**

- professional version for continuous use

**Contains 3-pieces:**3 water pump pliers **No. 188**: L. 160; 250; 315 mm

Product no.	Content pcs.	△ g
87188021	3	970

966

**Water pump pliers**

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- with knurled handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	△ g
87966005	160	26	6x	150
87966010	230	33	7x	310
87966015	300	45	7x	485

VBW 966/3S

**Water pump plier set**

- for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**3 water pump pliers **No. 966**: L. 160; 250; 315 mm

Product no.	Content pcs.	△ g
87966021	3	940

966

**Water pump pliers**

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	△ g
87966000	125	26	4x	104
87966165	160	26	6x	171
87966166	250	33	7x	320
87966167	315	45	7x	492

VBW 966-K/3S

**Water pump plier set**

- for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**3 water pump pliers **No. 966**: L. 160; 250; 315 mm

Product no.	Content pcs.	△ g
87966164	3	996

## Pliers

# 966



### Water pump pliers

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
87966030	160	26	6x	154
87966031	250	33	7x	309
87966032	315	45	7x	485

# 99/4S



### Professional sanitary assortment

- professional set for plumbing and installation work
- for all gripping and turning work on pipes, nuts, bolts and similar objects
- in high-quality fabric bag for flexible transport

#### Contains 4-pieces:

- 1 water pump pliers **No. 182**: L. 250 mm
- 1 pipe wrench **No. 180**: L. 250 mm
- 1 ABC pipe wrench **No. 115**: 1/2"
- 1 water pump pliers **No. 188**: L. 250 mm

Product no.	Content pcs.	⚖ g
87991500	4	1935

**MADE IN CRONENBERG**  
MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## VBW

# 182



### Water pump pliers FastGRIP

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- quick adjustment of the pliers at the push of a button
- variable and smooth fine adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
87182005	180	28	10x	221
87182010	250	35	12x	405
87182015	315	44	15x	526

## VBW

# 182-K/3S



### Water pump plier set FastGRIP

#### Contains 3-pieces:

3 water pump pliers **No. 182**: L. 180; 250; 315 mm

Product no.	Content pcs.	⚖ g
87182900	3	1190

# 184



### Water pump pliers AllGRIP

- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- easy to adjust thanks to locking hole adjustment
- variable and smooth fine adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
87184010	250	42	8x	398

## VBW

## VBW

## VBW

186

**S-jaw push-button water pump pliers S-GRIP®**

- water pump pliers and pipe wrench in one
- slim, S-shaped jaws for maximum gripping and holding performance
- offset tooth arrangement for optimal firm grip
- self-clamping on the workpiece, reduces effort and prevents slipping
- sliding slip joint with double support
- quick adjustment of the pliers at the push of a button
- variable and smooth fine adjustment
- induction-hardened serration for impressive dimensional stability and durability
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 8976

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
87186010	250	45	12x	409

6573

**Pipe wrenches PowerGRIP**

- smooth jaws to protect sensitive surfaces
- secure grip when screwing, holding and bending
- quick adjustment of the pipe wrench at the push of a button
- for workpieces with parallel surfaces (nuts, screws, etc.)
- variable and smooth fine adjustment
- high transmission ratio for noticeable manual force amplification
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
65735180	180	36	11x	291
65735250	250	46	14x	485
65735300	300	60	18x	661

VBW

180

**Pipe wrenches PowerGRIP**

- smooth jaws to protect sensitive surfaces
- secure grip when screwing, holding and bending
- quick adjustment of the pipe wrench at the push of a button
- for workpieces with flat surfaces (nuts, screws, etc.)
- variable and smooth fine adjustment
- high transmission ratio for noticeable manual force amplification
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles

Product no.	L mm	Jaw opening max. mm	Positions	⚖ g
87180305	180	36	11x	275
87180310	250	46	14x	490
87180315	315	60	18x	640

180-K/3S

**Pipe wrench set PowerGRIP**

- for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**3 pipe wrenches **No. 180:** L. 180; 250; 315 mm

Product no.	Content pcs.	⚖ g
87180900	3	1405

**PIPE WRENCHES.**

6549

**Corner pipe wrenches**

- Form B, angled 45°
- ideal for concealed and difficult-to-access bolted joints
- DIN 5234

Product no.	⚙ max.*	L mm	Jaw opening max. mm	⚖ g
65490315	1	330	35	780
65490420	1 1/2	445	62	1626
65490555	2	560	78	2780

VBW

8

## Pliers

### 6556



#### Swedish pipe wrenches

- Form A, angled 90°
- ideal for concealed and difficult-to-access bolted joints
- DIN 5234

Product no.	max.°	L mm	Jaw opening max. mm	g
65560310	1	320	44	780
65560420	1 1/2	420	64	1560
65560560	2	540	83	2676

### 6557



#### S-jaw pipe wrenches

- Form C
- ideal for concealed and difficult-to-access bolted joints
- DIN 5234

Product no.	max.°	L mm	Jaw opening max. mm	g
65570320	1	330	40	811
65570416	1 1/2	440	60	1595
65570535	2	560	70	2677

### 6558



#### HEAVY-DUTY pipe wrenches

- head black lacquered, polished
- US Standard GGG-W-651 Type II, Class A

Product no.	max.°	L mm	Jaw opening max. mm	g
65580250	10	250	49	805
65580300	12	300	61	1255
65580350	14	350	61	1665
65580450	18	450	77	2660
65580600	24	600	90	3955

### 6559



#### STILLSON pipe wrenches

- head black lacquered, polished
- US Standard GGG-W-651 Type I, Class A

Product no.	max.°	L mm	Jaw opening max. mm	g
65590250	10	250	35	550
65590300	12	300	43	750
65590350	14	350	49	1080
65590450	18	450	61	1725
65590600	24	600	77	2745

VBIV



#### Replacement nuts for pipe wrenches

- for pipe wrenches, chrome-plated

87100050	87100060	87100065	87100070	87110075	87110080
S-JAW PIPE WRENCH RP 1/2 INCH 87952005	ABC-PIPE WRENCH X-GRIP 1 INCH 87115010	ABC-PIPE WRENCH X-GRIP 1 1/2 INCH 87115015	ABC-PIPE WRENCH X-GRIP 2 INCH 87115020	ABC-PIPE WRENCH X-GRIP 3 INCH 87115025	PIPE WRENCH 90° 4 INCH 87110030
CORNER PIPE-WRENCH 45° 1/2 INCH 87111005	S-JAW PIPE WRENCH RP 1 INCH 87100010	S-JAW PIPE WRENCH RP 1 1/2 INCH 87100015	S-JAW PIPE WRENCH RP 2 INCH 87100020	S-JAW PIPE WRENCH RP 3 INCH 87100025	
	S-JAW PIPE WRENCH RP 1 INCH 87952010	S-JAW PIPE WRENCH RP 1 1/2 INCH 87952015	X-GRIP PIPE WRENCH 2 INCH RED EDITION 87115120	S-JAW PIPE WRENCH RP 3 INCH 87952030	
	CORNER PIPE WRENCH 45° 1 INCH 87111010	CORNER PIPE WRENCH 45° R 1 1/2 INCH 87951015	CORNER PIPE WRENCH 45° 2 INCH 87111020	CORNER PIPE WRENCH 45° 3 INCH 87111025	
	CORNER PIPE WRENCH 45° R 1 INCH 87951010	PIPE WRENCH 90° 1 1/2 INCH 87110015	CORNER PIPE WRENCH 45° R 2 INCH 87951020	PIPE WRENCH 90° 3 INCH 87110025	
	PIPE WRENCH 90° 1 INCH 87110010	PIPE WRENCH 90° 1 1/2 INCH 87950015	PIPE WRENCH 90° 2 INCH 87110020		
	PIPE WRENCH 90° 1 INCH 87950010	X-GRIP PIPE WRENCH 1 1/2 INCH RED EDITION 87115115	PIPE WRENCH 90° 2 INCH 87950020		
		CORNER PIPE WRENCH 45° 1 1/2 INCH 87111015	S-JAW PIPE WRENCH RP 2 INCH 87952020		

100

**S-jaw pipe wrenches**

- professional quality for continuous use
- Form C
- special jaw geometry with 3-point support for firm grip and non-slip handle
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- induction-hardened serration for impressive dimensional stability and durability
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	g
87100010	1	25.4	320	49	780
87100015	1 1/2	38.1	436	68	1495
87100020	2	50.8	555	85	2530
87100025	3	76.2	673	120	4051

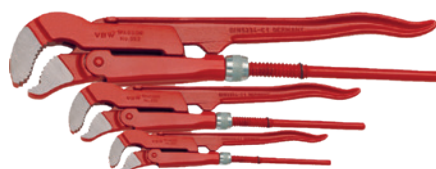
952

**S-jaw pipe wrenches**

- Form C
- special jaw geometry with 3-point support for firm grip and non-slip handle
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- induction-hardened serration for impressive dimensional stability and durability
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	g
87952005	1/2	12.7	245	39	454
87952010	1	25.4	330	49	780
87952015	1 1/2	38.1	440	68	1570
87952020	2	50.8	560	85	2670
87952030	3	76.2	675	120	4310

VBW 952/3S

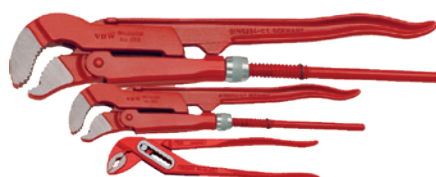
**S-jaw pipe wrench set**

- for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**3 S-jaw pipe wrenches **No. 952:** 1; 1 1/2; 2"

Product no.	Content pcs.	g
87991952	3	5030

952/966/3S

**S-jaw pipe wrench and water pump plier set**

- for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**1 water pump pliers **No. 966:** L. 240 mm2 pipe wrenches **No. 952:** 1; 1 1/2"

Product no.	Content pcs.	g
87991900	3	2685

110

**Pipe wrenches 90°**

- professional quality for continuous use
- Form A, angled 90°
- for concealed and hard-to-reach bolted joints
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	g
87110010	1	25.4	305	49	771
87110015	1 1/2	38.1	420	65	1462
87110020	2	50.8	530	84	2520
87110025	3	76.2	682	110	3775
87110030	4	101.6	744	140	5530

VBW

VBW

VBW

Pliers

# 950



**Pipe wrenches 90°**

- Form A, angled 90°
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	Weight g
87950010	1	25.4	306	49	780
87950015	1 1/2	38.1	420	65	1525
87950020	2	50.8	530	84	2530

# 111



**Plumber's pipe wrenches 45°**

- professional quality for continuous use
- Form A, angled 45°
- for concealed and hard-to-reach bolted joints
- special jaw geometry with 3-point support for firm grip and non-slip handle
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	Weight g
87111005	1/2	12.7	236	36	464
87111010	1	25.4	316	55	761
87111015	1 1/2	38.1	443	81	1635
87111020	2	50.8	560	94	2790
87111025	3	76.2	710	110	4100

VBW

# 951



**Plumber's pipe wrenches 45°**

- Form A, angled 45°
- special jaw geometry with 3-point support for firm grip and non-slip handle
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- double-T profile handle for safe handling
- DIN 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	Weight g
87951010	1	25.4	320	55	815
87951015	1 1/2	38.1	445	81	1635
87951020	2	50.8	560	94	2790

VBW

# 115



**ABC pipe wrenches X-GRIP®**

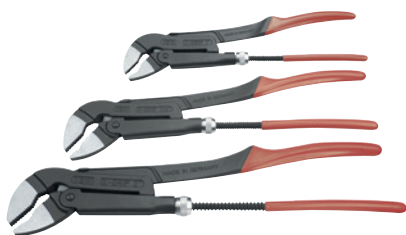
- 3 DIN forms in one: Forms A, B and C, angled 45°
- for a secure grip on pipes, flat materials and bolted joints
- special 'Corner-O-Point' jaw shape for round and square workpieces and sheet metal
- with reinforced handle
- self-clamping on the workpiece, prevents loss of secured nuts
- with built-in protection against crush injuries
- high-quality, hardened and tempered for excellent wear resistance
- plastic coated handles
- DIN ISO 5234

Product no.	max. inch	max. mm	L mm	Jaw opening max. mm	Weight g
87115005	1/2	12.7	238	39	480
87115010	1	25.4	318	55	860
87115015	1 1/2	38.1	427	75	1515
87115020	2	50.8	555	100	3135
87115025	3	76.2	700	120	4180

VBW

VBW

## 115-K/3S

**ABC pipe wrench set X-GRIP®**

— for universal industrial, trade, workshop and domestic use

**Contains 3-pieces:**

3 ABC pipe wrenches **No. 115:** 1; 1 1/2; 2"

Product no.	Content pcs.	⊕ g
87991115	3	5745

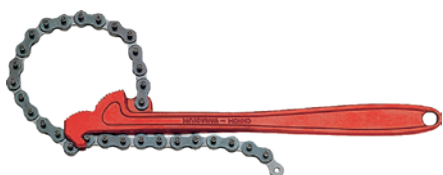
## 127

**Self-grip pipe wrenches**

- for twisting and loosening pipes and nuts with different diameters
- forged jaws
- setting via threaded roller

Product no.	⊕ max."	L mm	L "	Jaw opening max. mm	⊕ g
87127005	1 1/4	175	7	31.75	278
87127010	1 1/2	225	9	38.1	513
87127015	2	265	10 1/2	50.8	805
87127020	2 1/2	300	12	63.5	968
87127025	3	350	14	76.2	1590

## 129

**Chain pipe wrench**

- ratchet-like operation on the tube, for simple standard applications
- for use in hard-to-reach places
- can be used in 2 directions
- hardened and tempered chain, specially hardened teeth
- drop-forged handle

Product no.	⊕ min."	⊕ max."	⊕ min. mm	⊕ max. mm	L mm	Chain length mm	⊕ g
87129005	3/4	4	19,5	101,6	300	440	958

## VBW 129010

**Spare chain**

- for chain pipe wrench No. 129
- hardened and tempered chain, specially hardened teeth

Product no.	for model	Chain length mm	⊕ g
87129010	129005	440	326

## 130

**Chain pipe wrenches**

- heavy-duty steel chain
- suitable for particularly large diameters
- can be used in 2 directions
- hardened, two-sided serrated, replaceable jaws
- powerful due to maximum leverage

Product no.	⊕ min."	⊕ max."	⊕ min. mm	⊕ max. mm	L mm	Chain length mm	⊕ g
87130010	1/8	2	3,175	50,8	510	380	2585
87130015	1/4	3	6,35	76,2	710	490	4031
87130020	3/4	4	19,05	101,6	915	610	6669
87130025	1	6	25,4	152,4	1065	850	9500
87130030	1 1/2	8	38,1	203,2	1280	1000	12944

## 130-1

**Spare chains**

- for chain pipe wrenches No. 130
- heavy-duty steel chain

Product no.	for model	Chain length mm	⊕ g
87130110	130010	380	530
87130115	130015	490	731
87130120	130020	610	1435
87130125	130025	850	2275
87130130	130030	1000	3153

## Pliers

### 6576



#### Connector and siphon pliers

- for loosening or tightening screw connectors, e.g. Cannon connectors
- for work on sensitive light alloy and pipe fittings
- 4-position adjustable sliding joint
- with interchangeable plastic jaws
- Chrome Alloy Steel
- plastic coated handles

Product no.	L mm	⚖ g
65765231	230	288

### 6976



#### Replacement plastic jaws

- plastic jaws for No. 6576

Product no.	for model	L mm	⚖ g
69760001	6576N	25	4

## NIPPERS AND SPECIALIST PLIERS.

### 6661



#### Pincers

- inductively hardened cutting edges
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9243

Product no.	L mm	⚖ g
66611180	180	322
66611200	200	350

### 515



VBW

#### Pincers

- inductively hardened cutting edges
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9243

Product no.	L mm	⚖ g
87515005	180	306
87515010	200	342
87515020	250	525

### 514



VBW

#### Potter's or brick nippers

- suitable for working with ceramic products in the sanitation sector
- with wire cutter for soft wire before the joint
- inductively hardened cutting edges
- wear-resistant special steel, hardened and tempered

Product no.	L mm	Jaw width mm	⚖ g
87514105	200	10	360

### 6660



#### Mechanic's nippers

- for twisting and cutting the wire
- limitation of the opening angle for one-handed operation
- optimised cutter geometry reduces the effort required for cutting
- inductively hardened cutting edges
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9242

Product no.	L mm	⚖ g
66601220	224	318
66601250	250	390
66601280	280	475

6662

**Heavy-duty mechanic's nippers**

- slim version is suitable for working on low-lying cast iron
- for twisting and cutting the wire
- induction-hardened cutting edges, cutting edge hardness approx. 61 HRC
- extended handles and optimised cutter geometry reduces the effort required for cutting
- significantly dampened cutting impact
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9242

Product no.	L mm	△△ g
66624300	300	478

510



VBW

**Mechanic's nippers TopCUT®**

- for twisting and cutting the wire
- limitation of the opening angle for one-handed operation
- optimised cutter geometry reduces the effort required for cutting
- particularly easy to use
- inductively hardened cutting edges
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9242

Product no.	L mm	△△ g
87510005	224	340
87510010	250	410
87510015	280	460
87510020	315	505

510-1



VBW

**Mechanic's nippers TopCUT®**

- for twisting and cutting the wire
- limitation of the opening angle for one-handed operation
- optimised cutter geometry reduces the effort required for cutting
- particularly easy to use
- inductively hardened cutting edges
- drop-forged, oil-hardened
- wear-resistant special steel
- plastic coated handles
- DIN ISO 9242

Product no.	L mm	△△ g
87510105	224	337
87510110	250	417
87510115	280	468
87510120	315	500

512



VBW

**Heavy-duty mechanic's nippers MasterCUT®**

- slim version is suitable for working on low-lying cast iron
- for twisting and cutting the wire
- extended handles and optimised cutter geometry reduces the effort required for cutting
- inductively hardened cutting edges
- particularly easy to use
- black lacquered, head polished
- drop-forged, oil-hardened
- wear-resistant special steel
- DIN ISO 9242

Product no.	L mm	△△ g
87512220	300	482


**MADE IN GERMANY**

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

**Pliers**

**512-0**



**Heavy-duty mechanic's nippers MasterCUT®**

- slim version is suitable for working on low-lying cast iron
- for twisting and cutting the wire
- extended handles and optimised cutter geometry reduces the effort required for cutting
- particularly easy to use
- significantly dampened cutting impact
- chrome-plated, head polished
- wear-resistant special steel
- DIN ISO 9242

Product no.	L mm	⚖ g
87512000	200	236
87512020	300	475

**511-0**



**Tile hole pliers**

- suitable for breaking out and enlarging holes in tiles
- pre-drilled holes can be enlarged by breaking out, and edges can be formed
- special steel

Product no.	L mm	Jaw width mm	⚖ g
87511005	200	36	198

**511-1**



**Tile hole pliers**

- suitable for breaking out and enlarging holes in tiles
- pre-drilled holes can be enlarged by breaking out, and edges can be formed
- with opening spring
- special steel

Product no.	L mm	Jaw width mm	⚖ g
87511105	200	36	205

**VBW**

**156**



**Seaming pliers, straight**

- straight version
- suitable for folding sheet metal
- forged

Product no.	L mm	Jaw width mm	⚖ g
87156205	260	60	612

**156**



**Seaming pliers, curved 45°**

- suitable for folding sheet metal
- forged

Product no.	L mm	Jaw width mm	⚖ g
87156210	260	60	632

**VBW**

**VBW**

**VBW**

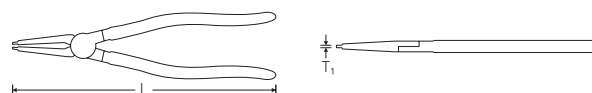
**CIRCLIP PLIERS.**

**6543**



**Circlip pliers for internal circlips**

- version with straight jaws
- suitable for gripping, inserting and removing internal circlips in drilled holes
- with cylindrical precision tips
- drop-forged
- head and handles chrome-plated, chequered handles
- DIN 5256 C



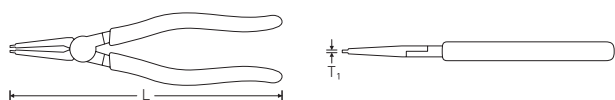
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	⚖ g
65434100	J0	140	0.9	8-13	90
65434101	J1	140	1.3	12-25	90
65434102	J2	180	1.8	19-60	135
65434103	J3	225	2.3	40-100	195
65434104	J4	305	3.2	85-140	419

## 6543



### Circlip pliers for internal circlips

- version with straight jaws
- suitable for gripping, inserting and removing internal circlips in drilled holes
- with cylindrical precision tips
- drop-forged
- polished head
- plastic coated handles
- DIN 5256 C



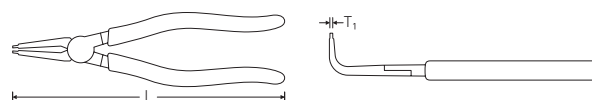
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ <sub>g</sub>
65436100	J0	140	0.9	8-13	100
65436101	J1	140	1.3	12-25	100
65436102	J2	180	1.8	19-60	150
65436103	J3	228	2.3	40-100	215
65436104	J4	304	3.2	85-140	462

## 6544



### Circlip pliers for internal circlips

- version with 90° angled jaws
- suitable for gripping, inserting and removing internal circlips in drilled holes
- with cylindrical precision tips
- drop-forged
- polished head
- plastic coated handles
- DIN 5256 D



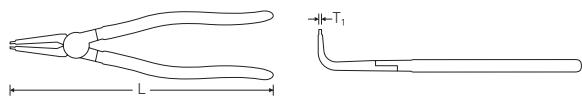
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ <sub>g</sub>
65446101	J01	130	0.9	8-13	100
65446111	J11	130	1.3	12-25	100
65446121	J21	170	1.8	19-60	150
65446131	J31	215	2.3	40-100	215
65446141	J41	290	3.2	85-140	432

## 6544



### Circlip pliers for internal circlips

- version with 90° angled jaws
- suitable for gripping, inserting and removing internal circlips in drilled holes
- with cylindrical precision tips
- drop-forged
- head and handles chrome-plated, chequered handles
- DIN 5256 D



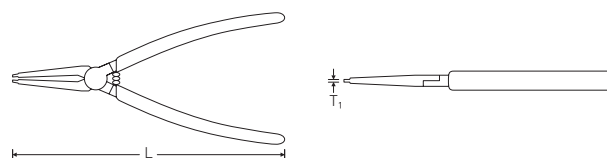
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ <sub>g</sub>
65444101	J01	130	0.9	8-13	90
65444111	J11	130	1.3	12-25	90
65444121	J21	170	1.8	19-60	135
65444131	J31	215	2.3	40-100	195
65444141	J41	290	3.2	85-140	416

## 6545



### Circlip pliers for external circlips

- version with straight jaws
- suitable for gripping, inserting and removing external circlips on shafts or axles
- with cylindrical precision tips
- with closing spring
- drop-forged
- head and handles chrome-plated, chequered handles
- DIN 5254 A



Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ <sub>g</sub>
65454100	A0	140	0.9	3-10	95
65454101	A1	140	1.3	10-25	95
65454102	A2	180	1.8	19-60	145
65454103	A3	225	2.3	40-100	205
65454104	A4	300	3.2	85-140	437

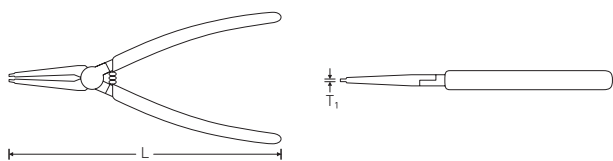
**Pliers**

**6545**



**Circlip pliers for external circlips**

- version with straight jaws
- suitable for gripping, inserting and removing external circlips on shafts or axles
- with cylindrical precision tips
- with closing spring
- drop-forged
- polished head
- plastic coated handles
- DIN 5256 D



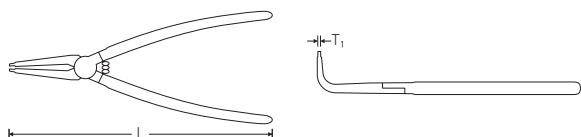
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ g
65456100	A0	140	0.9	3-10	105
65456101	A1	140	1.3	10-25	105
65456102	A2	180	1.8	19-60	160
65456103	A3	225	2.3	40-100	232
65456104	A4	300	3.2	85-140	491

**6546**



**Circlip pliers for external circlips**

- version with 90° angled jaws
- suitable for gripping, inserting and removing external circlips on shafts or axles
- with cylindrical precision tips
- with closing spring
- drop-forged
- head and handles chrome-plated, chequered handles
- DIN 5254 B



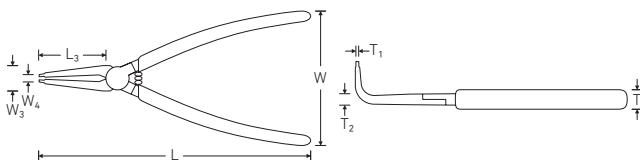
Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ g
65464101	A01	125	0.9	3-10	95
65464111	A11	125	1.3	10-25	95
65464121	A21	170	1.8	19-60	145
65464131	A31	210	2.3	40-100	111
65464141	A41	275	3.2	85-140	431

**6546**



**Circlip pliers for external circlips**

- version with 90° angled jaws
- suitable for gripping, inserting and removing external circlips on shafts or axles
- with cylindrical precision tips
- with closing spring
- drop-forged
- polished head
- plastic coated handles
- DIN 5254 B



Product no.	Size	L mm	T <sub>1</sub> mm	for circlips mm	∅ g
65466101	A01	125	0.9	3-10	105
65466111	A11	125	1.3	10-25	105
65466121	A21	170	1.8	19-60	160
65466131	A31	210	2.3	40-100	236
65466141	A41	275	3.2	85-140	468

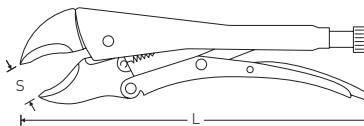
**SELF-GRIP WRENCHES.**

**6562**



**Parallel jaw self-grip wrench**

- with parallel, forged jaws
- with quick-release lever
- head and handles high-gloss nickel-plated
- Chrome Alloy Steel



Product no.	L mm	S mm	∅ g
65622250	250	50	700

## 6962

**Plastic protective jaws for parallel jaw self-grip wrench**

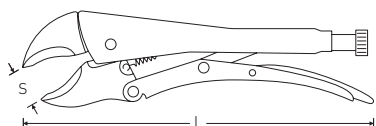
- for additional protection of the clamped workpieces
- 1 pair

Product no.	for model	L mm	△ g
69620001	6562	90	10

## 6563

**Universal self-grip wrenches**

- with forged jaws (straight and half-round)
- with quick-release lever
- head and handles high-gloss nickel-plated
- Chrome Alloy Steel

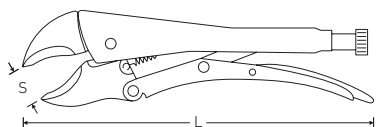


Product no.	L mm	S mm	△ g
65632175	175	25	365
65632250	250	30	500

## 6564

**Self-grip wrenches**

- with forged, half-round jaws
- with quick release levers and wire cutters
- head and handles high-gloss nickel-plated
- Chrome Alloy Steel

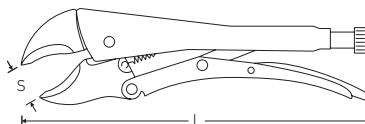


Product no.	L mm	S mm	△ g
65642145	145	14	175
65642175	175	30	323
65642250	250	40	550
65642300	300	65	977

## 6571

**Long-nose self-grip wrench**

- particularly suitable in narrow tapered areas
- with quick-release lever
- head and handles high-gloss nickel-plated
- Chrome Alloy Steel



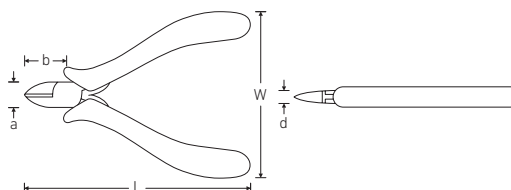
Product no.	L mm	S mm	△ g
65712165	165	23	190

**ELECTRONICS PLIERS.**

## 6707

**Electronics side cutters**

- for demanding work in electronics/precision mechanics
- slim head design for use in confined work areas
- remarkable cutting performance: Ø 0.6 mm for hard wire and Ø 1.5 mm for soft wire
- long service life, no play, push-through joint
- with double leaf spring for smooth movement
- extended handle cover for better slip protection
- ergonomic thumb rest for optimal handling
- cutting edges induction hardened to approx. 62 HRC
- with 2-component handles
- DIN ISO 9654



Product no.	L mm	a mm	b mm	d mm	W mm	①	②	③	④	△ g
67076000	115	12	14	8	56	1.5	1	0.8	0.6	72

① Cutting capacity in mm for soft wire

② Cutting capacity in mm for medium-hard wire

③ Cutting capacity in mm for hard wire

④ Cutting capacity in mm for piano wire

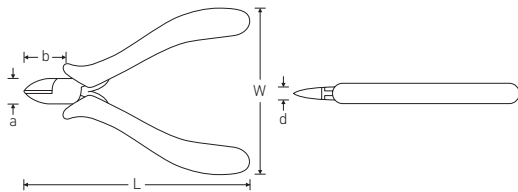
Pliers

6708



Mini electronics side cutters

- for demanding work in electronics/precision mechanics
- compact version with slim head design for use in confined working areas
- long service life, no play, push-through joint
- with double leaf spring for smooth movement
- extended handle cover for better slip protection
- ergonomic thumb rest for optimal handling
- cutting edges induction hardened to approx. 62 HRC
- with 2-component handles
- DIN ISO 9654



Product no.	L mm	a mm	b mm	d mm	W mm	①	②	③	④	$\Delta$ g
67086000	110	10	10	7	56	1.0	0.8	0.6	0.4	62

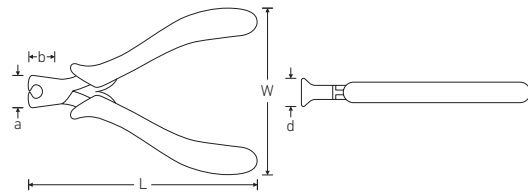
- ① Cutting capacity in mm for soft wire
- ② Cutting capacity in mm for medium-hard wire
- ③ Cutting capacity in mm for hard wire
- ④ Cutting capacity in mm for piano wire

6709



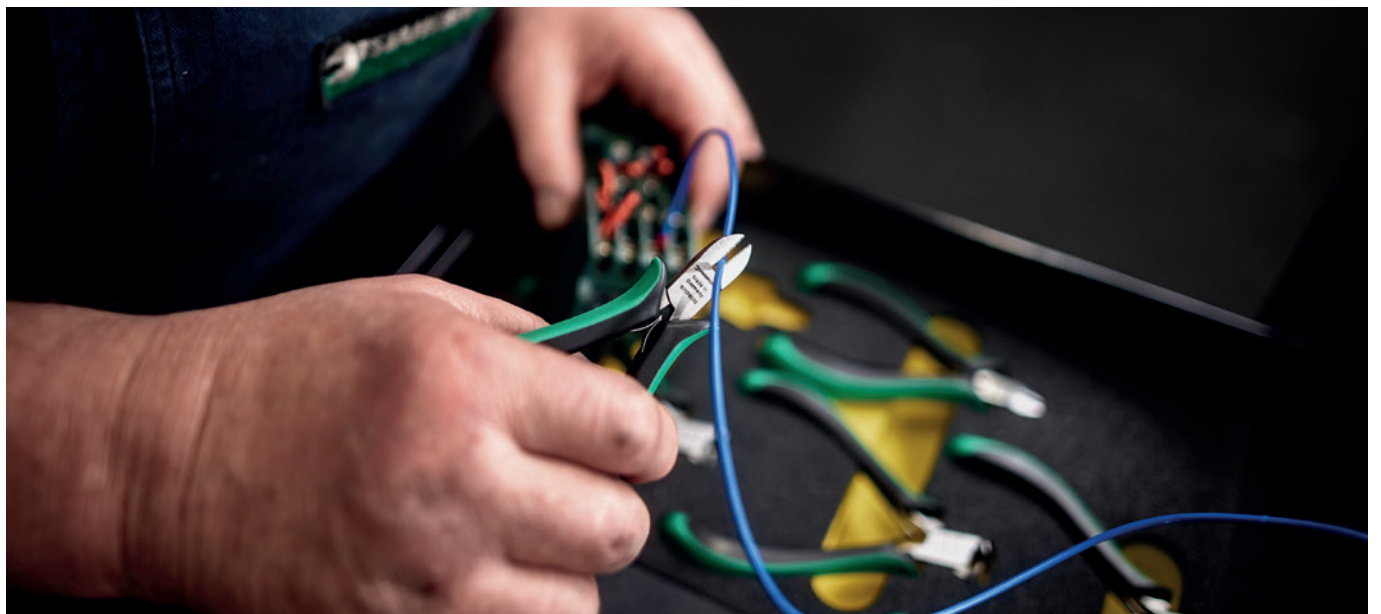
Electronics end cutters

- for demanding work in electronics/precision mechanics
- 90° rotated and side-angled cutting geometry
- slim head design for use in confined work areas
- long service life, no play, push-through joint
- with double leaf spring for smooth movement
- extended handle cover for better slip protection
- ergonomic thumb rest for optimal handling
- cutting edges induction hardened to approx. 62 HRC
- with 2-component handles
- DIN ISO 9654



Product no.	L mm	a mm	b mm	d mm	W mm	①	②	$\Delta$ g
67096000	120	12	6	17	56	0.6	0.3	80

- ① Cutting capacity in mm for soft wire
- ② Cutting capacity in mm for medium-hard wire

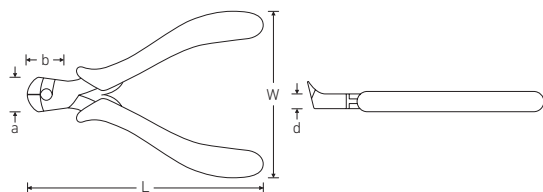


## 6710



### Electronics diagonal cutters

- for demanding work in electronics/precision mechanics
- 90° rotated and side-angled cutting geometry
- slim head design for use in confined work areas
- long cutting edge, 20° angle
- long service life, no play, push-through joint
- with double leaf spring for smooth movement
- extended handle cover for better slip protection
- ergonomic thumb rest for optimal handling
- cutting edges induction hardened to approx. 62 HRC
- with 2-component handles
- DIN ISO 9654



Product no.	L mm	a mm	b mm	d mm	W mm	①	②	$\Delta$ g
67106000	120	13	6	18	56	0.6	0.3	78

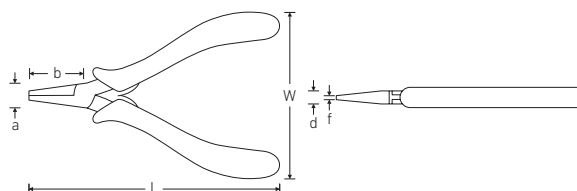
- ① Cutting capacity in mm for soft wire
- ② Cutting capacity in mm for medium-hard wire

## 6711



### Electronics needle-nose pliers

- for demanding work in electronics/precision mechanics
- for gripping, holding, and bending components
- with half-round jaws
- smooth grip areas
- long service life, no play, push-through joint
- with double leaf spring for smooth movement
- extended handle cover for better slip protection
- ergonomic thumb rest for optimal handling
- with 2-component handles
- DIN ISO 9655



Product no.	L mm	a mm	b mm	f mm	d mm	W mm	$\Delta$ g
67116000	130	12	24	1.5	8	56	76



# BOLT CUTTERS.



## The LightCUT® versions (LC)

The flat-oval, high-strength aluminium tubes of the LightCUT® range ensure a low weight, around half that of a comparable tool. For fatigue-free working and precise results.

### 980LC

VBIV



#### Bolt cutters LightCUT®

- flat-oval, sturdy aluminium tubes ensure low weight
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- precise and simple adjustment of the cutting heads using eccentric screws
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87980050	800	32	10	8	7	2650

### 98013

VBIV



#### Cutter head with screws

- for bolt cutters LightCUT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87980136	980050	147	9	8	7	892

### 984LC

VBIV



#### Offset bolt cutters LightCUT®

- flat-oval, sturdy aluminium tubes ensure low weight
- allows precise cutting down to the outer corners and close to edges
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87984050	850	32	11	9	8	2900

### 434135

VBIV



#### Cutter head with screws

- for bolt cutters/corner deep cutters

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87434135	984050	140	11	9	8	1105

### 438LC

VBIV



#### Flush cut bolt cutters 30° LightCUT®

- flat-oval, sturdy aluminium tubes ensure low weight
- angled blades, adjustable cutter head for flush cutting of tensioning wires on concrete structures and for gabion wire baskets
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	∠°	⚖ g
87438050	810	32	10	8	7	30	2285

## 43713



## Cutter head with screws

— for flush cut bolt cutters

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⊕ g
87437133	438050	150	9	8	7	995

## 430



## Bolt cutters UNIBOLT®

- professional version for continuous use
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- precise and simple adjustment of the cutter head using eccentric screws
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⊕ g
87430005	460	18	8	6	5	2050
87430010	610	24	9	8	7	2816
87430015	760	30	11	9	8	4328
87430020	910	36	13	11	9	6730
87430025	1070	42	16	11	10	8410

## 4301



## Cutter heads with screws

— for bolt cutters UNIBOLT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⊕ g
87430136	430005	130	8	6	5	600
87430137	430010	150	9	8	7	910
87430138	430015	170	11	9	8	1425
87430139	430020	190	13	10	9	2025
87430140	430025	240	16	11	10	2835

## VBV 445



## Bolt end cutters

- the angled cutter head makes it particularly suitable for flush cutting
- for cutting up to 40 HRC
- cutter head made of wear-resistant special steel, drop-forged
- precise and simple adjustment of the cutter head using eccentric screws
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- blade width 28 mm
- for reinforcing steel III + IV in accordance with DIN 488 - strength approx. 550 N/mm<sup>2</sup>
- for prestressing steel and hardened and tempered steel wire up to 1,226 N/mm<sup>2</sup> (HRC 40)
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	⊕ g
87445010	630	24.8	8	6	2985

## 445135



## Cutter head with screws

— for bolt end cutters

Product no.	for model	L mm	19 HRC mm	40 HRC mm	⊕ g
87445135	445010	150	8	6	1030

## 980



## Bolt cutters WAGGONIT®

- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- precise and simple adjustment of the cutter head using eccentric screws
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⊕ g
87980005	460	18	8	6	5	2013
87980010	610	24	9	8	7	2800
87980015	760	30	11	9	8	4287
87980020	910	36	13	11	9	6438

Pliers

# 98013



**Cutter heads with screws**

— for bolt cutters WAGGONIT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⊘ g
87980135	980005	129	8	6	5	601
87980136	980050	147	9	8	7	892
87980137	980015	170	11	9	8	1387
87980138	980020	197	13	10	9	1979

# 437



**Flush cut bolt cutters**

- angled blades, adjustable cutter head for flush cutting of tensioning wires on concrete structures and for gabion wire baskets
- for cutting up to 48 HRC
- precise and simple adjustment of the cutter head using eccentric screws
- cutter head made of wear-resistant special steel, drop-forged
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	∠	⊘ g
87437002	460	18	8	6	5	40	1905
87437005	610	24	9	8	7	30	2830

# 43713



**Cutter heads with screws**

— for flush cut bolt cutters

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⊘ g
87437131	437002	125	8	6	5	500
87437133	437005	150	9	8	7	995

# VBIV 433



**Compact bolt cutters CombiCUT®**

- compact version for particularly good accessibility
- suitable for cutting applications with low cutting force requirements
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- no blade adjustment required
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 1-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⊘ g
87433020	390	14	7	5	4	1370

# 433125



**Cutter head with pins and circlips**

— for bolt cutters CombiCUT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⊘ g
87433125	433020	110	7	5	4	400

# 433



**Bolt end cutters CombiCUT®, compact**

- compact version for particularly good accessibility
- angled cutter head makes it particularly suitable for flush cutting
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- no blade adjustment required
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 1-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	⊘ g
87433040	365	13	7	5	4	1390

## 433145



## Cutter head with pins and circlips

— for bolt end cutters CombiCUT®

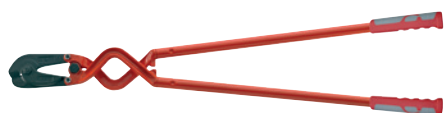
Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87433145	433040	96	7	5	4	410



## SolutionCUT

The special geometry of this bolt cutter enables precise and clean cutting not only in the second layer, but also in deeper layers - for effortless and precise working even in hard-to-reach areas.

## 434



## Bolt cutters/corner deep cutters SolutionCUT

- 20° cutting angle facilitates cutting in corners and close to the edge
- for cutting power up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- precise and simple adjustment of the cutter head using eccentric screws
- reduced cutting force required due to optimal geometry enabling precise cutting in the 1st and 2nd layers
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	48 HRC mm	∠	Working length mm	⚖ g
87434025	1000	40	11	9	8	20	230	5400

## 434135



## Cutter head with screws

— for bolt cutters/corner deep cutters

Product no.	for model	L mm	19 HRC mm	40 HRC mm	48 HRC mm	⚖ g
87434135	434025	140	11	9	8	1105

## VBW 434 E8

## Adjusting screw

— for bolt cutters/corner deep cutters and structural steel mesh cutters

Product no.	for model	⚖ g
87434081	434025	69

## 439



## Bolt cutters with interchangeable cutter head

- long service life thanks to two-sided replaceable cutter head
- for cutting up to 40 HRC
- cutter head made of wear-resistant special steel, drop-forged
- with adjustable cutters
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	⚖ g
87439005	460	18	7	6	1945
87439010	610	24	9	8	3145
87439015	760	30	11	9	4280
87439020	910	36	13	13	7530

## 43913



## Cutter heads with screws

— for bolt cutters with interchangeable cutter head

Product no.	for model	L mm	19 HRC mm	40 HRC mm	⚖ g
87439131	439005	125	7	6	708
87439132	439010	147	9	8	1116
87439133	439015	170	11	9	1814
87439134	439020	190	13	13	2541



# STRUCTURAL STEEL MESH CUTTERS.

## 435LC



### Structural steel mesh cutters LightCUT®

- flat-oval, sturdy aluminium tubes ensure low weight
- suitable for easy cutting of flat-lying structural steels
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- with adjustable cutters
- optimised geometry reduces the effort required for cutting
- with small opening angle
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	⚖ g
87435005	800	32	11	9	8	5	2650
87435010	1000	40	11	9	8	6	2924

## 435133



### Cutter head with screws

- for structural steel mesh cutters LightCUT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	⚖ g
87435133	435030; 435005; 435010	122	11	9	8	6	920



VBW

## 985

VBW



### Structural steel mesh cutters WAGGONIT®

- suitable for easy cutting of flat-lying structural steels
- for cutting up to 48 HRC
- cutter head made of wear-resistant special steel, drop-forged
- with adjustable cutters
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	⚖ g
87985010	950	38	11	9	8	6	2650

## 985135

VBW



### Cutter head with screws

- for structural steel mesh cutters WAGGONIT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	⚖ g
87985135	985010	148	11	9	8	6	1000

## 980082

VBW

### Adjusting screw

- including 2 nuts

Product no.	for model	⚖ g
87980082	985010	20

## 700

VBW



### Floor display for bolt cutters

- presentation stand for showrooms
- with space for 6 bolt cutters and structural steel mesh cutters
- can be displayed in any configuration

Product no.	L mm	H mm	W mm	⚖ g
87700050	270	455	500	9500

996

**Structural steel mesh cutters BauCUT®**

- suitable for easy cutting of flat-lying structural steels
- for cutting up to 40 HRC
- cutter head made of wear-resistant special steel, drop-forged
- with adjustable cutters
- optimised geometry reduces the effort required for cutting
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 1-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	2 x 40 HRC mm	△△ g
87996010	950	38	11	9	8	3780

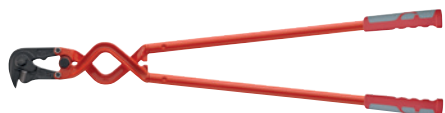
996135

**Cutter head with screws**

- for structural steel mesh cutters BauCUT®

Product no.	for model	L mm	19 HRC mm	40 HRC mm	2 x 40 HRC mm	△△ g
87996135	996010	150	11	9	8	900

436

**Structural steel mesh cutters, deep cutters SolutionCUT**

- optimised geometry reduces the effort required for cutting on the 1st and 2nd layers
- for cutting up to 48 HRC
- cutter head made of special steel, drop-forged
- with adjustable cutters
- limit stop with buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	△△ g
87436010	1000	40	11	9	8	6	5400

VBW 436132

**Cutter head with screws**

- for structural steel mesh cutters, deep-reach

Product no.	for model	L mm	19 HRC mm	40 HRC mm	2 x 40 HRC mm	48 HRC mm	△△ g
87436132	436010	150	11	9	8	6	950

434 E8

VBW

**Adjusting screw**

- for bolt cutters/corner deep cutters and structural steel mesh cutters

Product no.	for model	△△ g
87434081	436010	69

VBW

480

VBW

**Grating and flat material cutters EuroCUT®**

- suitable for cutting both flat and round materials
- for cutting up to 30 HRC
- from mesh size 30 x 30 mm
- cutter head made of wear-resistant special steel, drop-forged
- limit stop with extra-large buffer zone
- high-quality, hardened and tempered for excellent wear resistance
- with 2-component handles

Product no.	L mm	L "	30 HRC mm	△△ g
87480010	840	33	4 x 40	3188

480133

VBW

**Cutter head with screws**

- for grating and flat material cutters No. 480
- made of wear-resistant special steel

**Contains 7-pieces:**

- 1 x cutter head
- 3 x eccentric screws
- 3 x nuts

Product no.	for model	30 HRC mm	△△ g
87480133	480010	4 x 40	3188

Pliers

## 980 B0/MA universell



### Cutter head fastener set

— for attaching the cutter head to the frame

#### Contains 14-pieces:

screws 3 x M8; 1 x M10; eccentric screws 2 x M8; 2 x M10; nuts 3 x M8; 3 x M10

Product no.	for model	Content pcs.	⊘ g
87980100	430; 434; 435; 436; 980; 984; 985; 996	14	305

## PLIER SETS IN TCS INLAYS.

### TCS 6543-6564/3



#### Plier set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 3-pieces:

1 circlip pliers for internal circlips **No. 6543**: J2  
 1 circlip pliers for external circlips **No. 6545**: A2  
 1 self grip wrench **No. 6564**: L. 250 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96838180	350	175	30	1/3	3	975

### TCS 6543-6546/4



#### Circlip plier set

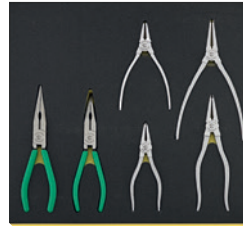
— safely integrated in the modular Tool Control System (TCS)

#### Contains 4-pieces:

2 circlip pliers for internal circlips **No. 6543, 6544**: J2; J21  
 2 circlip pliers for external circlips **No. 6545, 6546**: A2; A21

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830608	350	175	30	1/3	4	626

## VBV TCS 6534-6545/6



#### Plier set

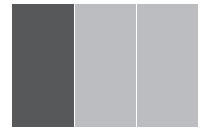
— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

1 telephone pliers **No. 6730**: L. 200 mm  
 1 telephone pliers **No. 6731**: L. 200 mm  
 2 circlip pliers for internal circlips **No. 6543**: J1; J2  
 2 circlip pliers for external circlips **No. 6545**: A1; A2

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96832100	350	350	30	2/3	6	1070

### TCS 10 821/4



#### Circlip plier set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 4-pieces:

2 circlip pliers for internal circlips **No. 6543, 6544**: J2; J21  
 2 circlip pliers for external circlips **No. 6545, 6546**: A2; A21

Product no.	L mm	W mm	H mm	Size	Content pcs.	⊘ g
96830273	350	175	30	1/3	4	790

## TCS 6572-6730/4

**Plier set**

— safely integrated in the modular Tool Control System (TCS)

**Contains 4-pieces:**

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6572**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830622	350	175	35	1/3	4	1145

## TCS 3 821/4

**Plier set**

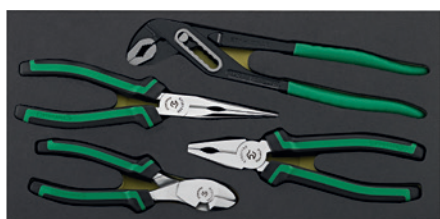
— safely integrated in the modular Tool Control System (TCS)

**Contains 4-pieces:**

- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 combination pliers **No. 6700**: L. 180 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830266	350	175	40	1/3	4	1410

## TCS 6551-6730/4

**Plier set**

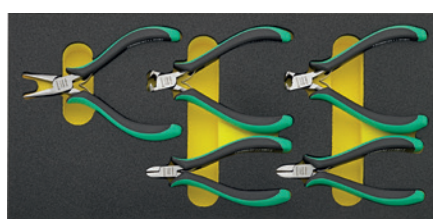
— safely integrated in the modular Tool Control System (TCS)

**Contains 4-pieces:**

- 1 combination pliers **No. 6700**: L. 180 mm
- 1 telephone pliers **No. 6730**: L. 200 mm
- 1 water pump pliers **No. 6551**: L. 240 mm
- 1 heavy-duty side cutters **No. 6721**: L. 160 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838179	350	175	35	1/3	4	1070

## TCS 6707-6711

**Electronics plier set**

— safely integrated in the modular Tool Control System (TCS)

**Contains 5-pieces:**

- 1 electronics side cutters **No. 6707**: L. 115 mm
- 1 mini electronics side cutters **No. 6708**: L. 115 mm
- 1 electronics end cutters **No. 6709**: L. 120 mm
- 1 electronics diagonal cutters **No. 6710**: L. 120 mm
- 1 electronics needle-nose pliers **No. 6711**: L. 130 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838798	350	175	45	1/3	5	480





STAHLWILLE

115  
MAD

# 9 Pullers

426 Pullers with parallel extractor hooks

427 Pullers with swivelling extractor hooks

429 Internal pullers, slide hammers and counter stays

431 Separation assemblies

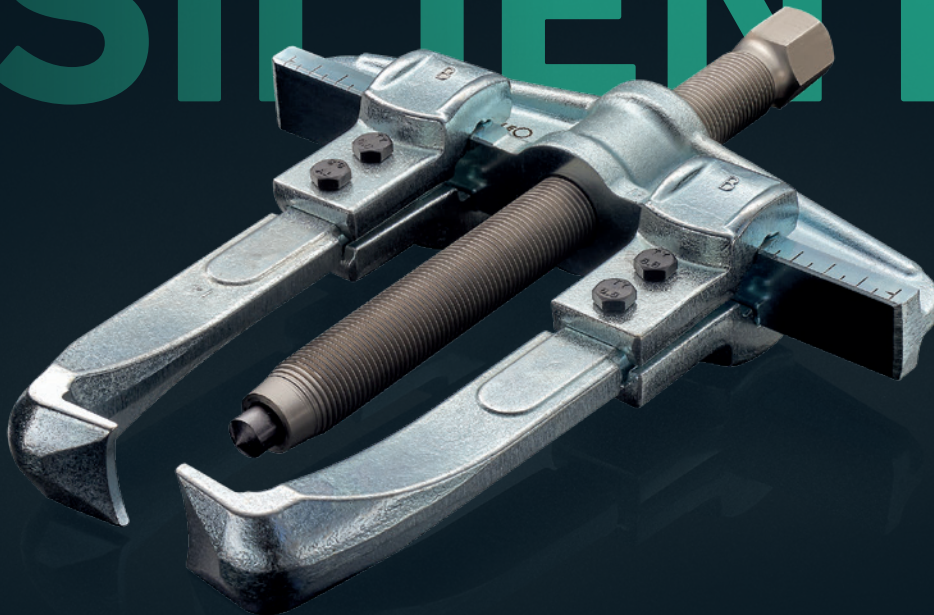
431 Pullers



# STAHLWILLE PULLERS – For special requirements.

Well-designed, drop-forged and precisely machined on state-of-the-art machines: The STAHLWILLE puller range includes numerous products for different applications such as external pulling, internal pulling and separating of fixed components of all kinds. The range offers the perfect solution for every challenge and impresses with premium quality.

# RESILIENT



## **Powerful.**

Heavy-duty cross members and puller hooks made of oil-hardened Chrome Alloy Steel. Drop-forged.

## **More stable.**

High flexural strength thanks to cross members with precisely calculated profiles and milled, smooth guiderails.

## **Two- or three-armed.**

STAHLWILLE also offers three-armed pullers that allow even more even load distribution in suitable space conditions.





### Universal.

Two-arm pullers with parallel puller hooks are ideal for removing bearings, gears and washers that are mounted on a shaft and are freely accessible from an external source.

### Precise.

Spindles with freely rotating spindle tips ensure gentle and optimal force transmission to the shafts.

### Smooth running.

The special coating on the threaded spindles enables smooth rotation for controlled loosening of the components.



**Pullers**

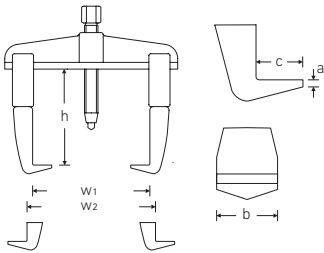
**PULLERS WITH PARALLEL EXTRACTOR HOOKS.**

**11200**



**Pullers**

- two-armed
- with sliding, constantly parallel extractor hooks
- for gears, ball bearings, pulleys and similar parts from a shaft or axle
- for ball bearings, ball bearing outer races and sockets out of drilled holes
- reversible arms for use as external and internal pullers
- adjustment scale for uniform adjustment of the extractor hooks
- nitrided spindle, no lubrication required, maintenance-free
- sturdy design, zinc plated



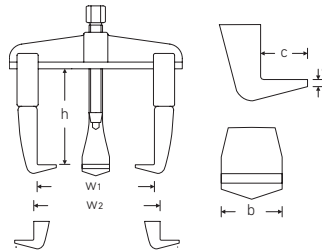
Product no.	● mm	w <sub>1</sub> mm	w <sub>2</sub> mm	h mm	a mm	b mm	c mm	Thread	max. t	⊕ g
71020001	17	90	140	100	3	22	12	M14 x 1,5 x 140	3	1014
71020002	17	130	180	100	3	22	12	M14 x 1,5 x 140	3	1136
71020003	22	160	220	150	4	30	18	G 1/2 x 210	5	2931
71020004	22	200	260	150	4	30	18	G 1/2 x 210	5	3322
71020005	27	250	330	200	7	36	28	G 3/4 x 280	7.5	6969
71020006	27	350	420	200	7	36	28	G 3/4 x 280	7.5	8042

**11300**



**Pullers**

- three-armed
- with sliding, constantly parallel extractor hooks
- for gears, ball bearings, pulleys and similar parts from a shaft or axle
- for ball bearings, ball bearing outer races and sockets out of drilled holes
- reversible arms for use as external and internal pullers
- nitrided spindle, no lubrication required, maintenance-free
- sturdy design, zinc plated



Product no.	● mm	w <sub>1</sub> mm	w <sub>2</sub> mm	h mm	a mm	b mm	c mm	Thread	max. t	⊕ g
71030001	17	90	140	100	3	22	12	M14 x 1,5 x 140	3	1400
71030002	17	130	180	100	3	22	12	M14 x 1,5 x 140	3	1600
71030003	22	160	220	150	4	30	18	G 1/2 x 210	5	3600
71030004	22	200	260	150	4	30	18	G 1/2 x 210	5	4200
71030005	27	250	400	200	7	36	28	G 3/4 x 280	7.5	9300



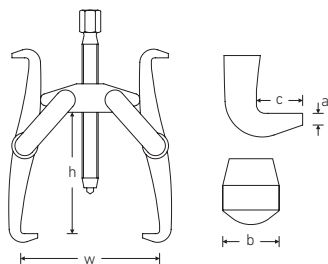
## PULLERS WITH SWIVELLING EXTRACTOR HOOKS.

### 11251



#### Pullers

- two-armed
- with self-centring puller arms
- for gears, ball bearings, pulleys and similar parts from a shaft or axle
- double-sided use of the extractor hooks: narrow arm end (20 mm) for narrow installation spaces, wide arm end (24 mm) with slot (8 mm) for pulling off washers or gear wheels with the aid of 8 mm screws
- nitrided spindle, no lubrication required, maintenance-free
- zinc plated



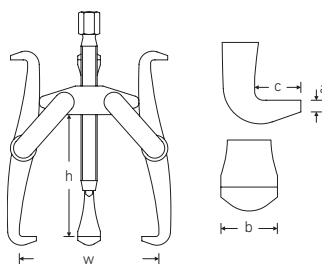
Product no.	● mm	w max. mm	h mm	a mm	b mm	c mm	Thread	max. t	⊕ g
71025101	19	160	130	3	24	12	M18 x 1,5 x 170	5	2000
71025102	19	220	170	3	24	12	M18 x 1,5 x 170	5	2300

### 11351



#### Pullers

- three-armed
- with self-centring puller arms
- for gears, ball bearings, pulleys and similar parts from a shaft or axle
- double-sided use of the extractor hooks: narrow arm end (20 mm) for narrow installation spaces, wide arm end (24 mm) with slot (8 mm) for pulling off washers or gear wheels with the aid of 8 mm screws
- nitrided spindle, no lubrication required, maintenance-free
- zinc plated



Product no.	● mm	w max. mm	h mm	a mm	b mm	c mm	Thread	max. t	⊕ g
71035101	19	160	130	3	24	12	M18 x 1,5 x 170	7.5	2600
71035102	19	220	170	3	24	12	M18 x 1,5 x 170	7.5	3200

TOOLS THAT  
... inspire

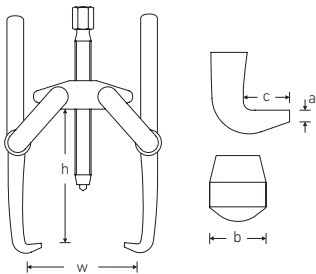
## Pullers

### 11250



#### Pullers

- two-armed
- with swivelling extractor hooks
- extractor hooks and beam are connected by movable tabs
- for V-belt pulleys and flywheels on long shafts
- when the spindle is tightened, the extractor hooks are tensioned and tighten
- variable clamping depth possible by adjusting the extractor hooks
- nitrided spindle, no lubrication required, maintenance-free
- zinc plated



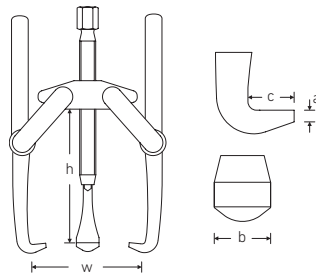
Product no.	● mm	w max. mm	h mm	Thread	max. t	⊕ g
71025001	22	280	390	G 1/2 x 250	8	4983
71025002	22	420	480	G 1/2 x 350	8	5894

### 11210



#### Pullers

- three-armed
- with swivelling extractor hooks
- extractor hooks and beam are connected by movable tabs
- for V-belt pulleys and flywheels on long shafts
- when the spindle is tightened, the extractor hooks are tensioned and tighten
- variable clamping depth possible by adjusting the extractor hooks
- nitrided spindle, no lubrication required, maintenance-free
- zinc plated



Product no.	● mm	w max. mm	h mm	Thread	max. t	⊕ g
71035001	22	280	390	G 1/2 x 250	12	7700
71035002	22	420	480	G 1/2 x 350	12	8900



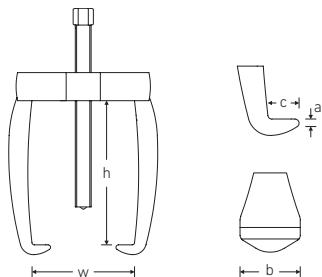
## 11040



## Battery terminal pullers

- two-armed, with a self-centring quick-action clamp and automatic feed
- for battery terminal clamps, smaller ball bearings, pulleys etc.
- for narrow, hard-to-reach spaces

- as force is applied through the spindle, the extractor hooks automatically apply increasing force to the part being extracted
- particularly suited to car electrics, compressed air system repairs and similar applications due to the compact design and small hooks
- zinc plated



Product no.	● mm	w max. mm	h mm	a mm	b mm	c mm	Thread	max. t	max. torque N·m	⌀ g
71120011	12	10-60	45	2,5	11	11	M10 x 110	2,5	25	245
71120012	12	10-70	65	2,5	11	11	M10 x 110	3,0	35	261
71120013	12	10-100	80	2,5	11	11	M10 x 110	3,5	45	315

## INTERNAL PULLERS, SLIDE HAMMERS AND COUNTER STAYS.

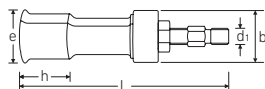
## 11400



## Internal pullers

- for very tight ball bearings, ball bearing outer races and bushings that are not freely accessible from the outside

- removal is carried out by inserting the internal puller into the bearing and screwing in the spindle
- the expanding jaws spread and the lugs locate under the bearing
- can be used with slide hammers 11402/1-2 or counter stays 11401/1-3



Product no.	Model	Ball bearing ISO	● mm	d <sub>1</sub> mm	b mm	e min./max. mm	L mm	h mm	⌀ g
71040001	11400/1	6000	10	M10	26	8-12	105	26	114
71040002	11400/2	6001; 6201; 6202	10	M10	26	12-15	109	26	119
71040003	11400/3	6202; 6203	13	M10	28	15-19	120	28	149
71040004	11400/4	6204; 6205	13	M10	28	19-25	123	28	182
71040005	11400/4a	6205; 6206	13	M10	28	25-30	123	28	297
71040006	11400/5	6206; 6207	13	M10	35	30-35	135	35	384
71040007	11400/6	6207; 6208; 6209	17	M14 x 1,5	42	35-45	170	42	649
71040008	11400/7	6209; 6210; 6211	17	M14 x 1,5	42	45-55	170	42	818
71040009	11400/8	6211; 6212; 6213; 6214	19	M14 x 1,5	55	55-70	205	55	1693
71040014	11400/9	6214	19	M14 x 1,5	55	70-100	205	55	1693

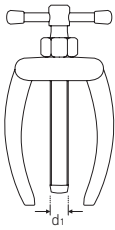
## Pullers

### 11401



#### Counter stays

- for internal puller 11400/1-9
- screw the spindle of the counter stay into the internal puller
- insert and spread the internal puller
- pull out the workpiece



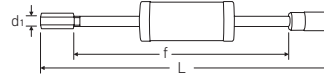
Product no.	mm	for model	d <sub>1</sub> mm	Δ g
71040101	27	11400/1; /2; /3; /4; /4a; /5	M10	750
71040102	32	11400/6; /7	M14 x 1,5	1650
71040103	32	11400/8; /9	M14 x 1,5	3000

### 11402



#### Slide hammers

- for ball bearings, for example, when the counter stay cannot be used for access reasons
- for internal pullers 11400/1-9



Product no.	mm	for model	d <sub>1</sub> mm	f mm	L mm	Δ g
71040201	13	11400/1; 11400/2; 11400/3; 11400/4; 11400/4a; 11400/5	M10	200	280	979
71040202	24	11400/6; 11400/7; 11400/8; 11400/9	M14 x 1,5	340	515	2923



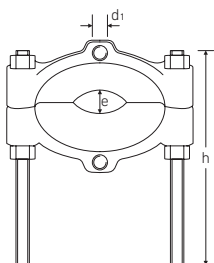
## SEPARATION ASSEMBLIES.

### 11500



#### Separation assemblies

- for pullers 11501/1-4
- for separating and removing ball bearings, roller bearings, bushings, wheels and other tightly fitting parts
- the puller pins of the puller are screwed into the separation assembly
- separator jaws slide under the component to be removed
- zinc plated



Product no.	Model	Ball bearing ISO	d <sub>1</sub> mm	e min./max. mm	ΔΔ g
71050016	11500/1	6000; 6001; 6201; 6202; 6203; 6204; 6205	M10	5-60	500
71050017	11500/2	6000; 6001; 6201; 6202; 6203; 6204; 6205; 6206; 6207	M10	12-74	900
71050018	11500/3	6000; 6001; 6201; 6202; 6203; 6204; 6205; 6206; 6207; 6208; 6209; 6210; 6211; 6212	M14 x 1,5	22-115	2400
71050019	11500/4	6201; 6202; 6203; 6204; 6205; 6206; 6207; 6208; 6209; 6210; 6211; 6212; 6213; 6214	M18 x 1,5	30-155	4700

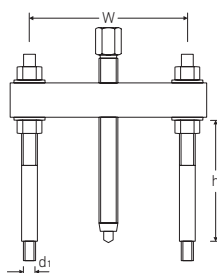
## PULLERS.

### 11501



#### Pullers

- for the separation assemblies 11500/1-4
- for pulling, the puller pins are screwed into the separation assembly
- clamping depth can be increased using extension 11502/1-4
- zinc plated



Product no.	● mm	for model	d <sub>1</sub> mm	w mm	h mm	Thread	ΔΔ g
71050101	17	11500/1	M10	40-120	125	M14 x 120	1000
71050102	19	11500/2	M10	60-165	180	M18 x 170	1100
71050103	22	11500/3	M14 x 1,5	70-215	195	G 1/2 x 210	3400
71050104	27	11500/4	M18 x 1,5	90-300	205	G 3/4 x 280	6500

### 11502



#### Extensions

- for use on longer parts for extending the extraction bolts on the puller

Product no.	for model	d <sub>1</sub> mm	L mm	ΔΔ g
71050201	11501/1; /2	M10	100	300
71050202	11501/3	M14 x 1,5	100	300
71050203	11501/4	M18 x 1,5	100	700



# 10 Special automotive tools

436 The KABELEX® programme

441 Bodywork tools

446 Vehicle door tools

447 Glass installation and removal tools

449 Valve and piston tools

450 Ignition and electrical tools

453 Brake and wheel tools

455 Engine and transmission tools

457 Various special automotive tools



# STAHLWILLE SPECIAL AUTOMOTIVE TOOLS – Always the right solution at hand.

STAHLWILLE's product portfolio also includes special automotive tools to make vehicle repairs easier and safer. With its knowledge of the diverse challenges in daily work life, STAHLWILLE offers various special solutions that facilitate efficient work as well as the damage-free installation and removal of vehicle parts.

# EFFICIENT



## Resilient.

High-quality sockets manufactured with High Performance Quality (HPQ®) steel are extremely resilient, yet thin-walled and ideal for working in tight spaces.

## Versatile.

The vehicle test lamp is an indispensable aid for identifying the causes of faults in the vehicle electrical system, for quickly finding power interruptions, defective fuses, bulbs and much more. With test probe, flexible cable and crocodile clip.

## Robust.

The gasket scraper is made with a special steel blade and is ideal for removing gasket and adhesive residues on the cylinder head, cylinder head cover and oil pan.



## Individual.

With the KABELEX® programme, STAHLWILLE offers a whole range of different tools for quick and safe release of electrical connectors – without 'snipping off'. This saves time and money. Available individually or in sets.



10

## Efficient.

Tool assortments from STAHLWILLE guarantee optimal and efficient work processes. Whether in the workshop, in production or on the race track – mechanics and technicians appreciate the advantages of STAHLWILLE special automotive tools.

## Special.

In cooperation with leading automotive manufacturers, STAHLWILLE also develops tool ranges for workshops and production. These can be found in the catalogue chapter 'Tool assortments'.



# THE KABELEX® PROGRAMME.



**STAHLWILLE KABELEX® Protect**  
for workshops and cable assemblers

Over 30 different unlocking tools available. With locking blade guard, to protect the fine blades and prevent injuries. Particularly handy for precision work on delicate connectors. For quick and easy release of cable connections - saving time and money. Blades made from strong and extremely durable Chrome Alloy Steel and special spring steel.

## 1501-1506



**Ejection tools KABELEX®**  
— for round plug-in sockets with notches  
— complete with sleeve

Product no.	Model	for contact size ∅ mm	△ g
96746230	1501 + 1511	1.5	45
96746231	1502 + 1512	3.5	59
96746232	1503 + 1513	4.0	79
96746233	1504 + 1514	2.5	60
96746234	1505 + 1515	2.3	46
96746235	1506 + 1516	4.0	72

## 1511-1516



**Dismantling sleeves KABELEX®**

Product no.	Model	for model	for contact size ∅ mm	Internal ∅ mm	External ∅ mm	L mm	△ g
78600001	1511	1501	1.5	2.9	3.3	30	1
78600002	1512	1502	3.5	4.4	5.0	30	1
78600003	1513	1503	4.0	6.0	6.5	45	2
78600004	1514	1504	2.5	4.0	4.4	30	1
78600005	1515	1505	2.3	3.0	3.3	35	8
78600006 <sup>1</sup>	1516	1506	4.0	5.6	6.0	35	1

<sup>1</sup> for 4.0 mm MOLEX® contact

## 1523



**Assembly sleeve KABELEX® ABS**  
— for No. 1503

Product no.	for contact size ∅ mm	Internal ∅ mm	External ∅ mm	L mm	△ g
78610001	4.0	4.0	6.5	50	5

## 1551/1552



**Cable extractor tools KABELEX®**  
— for flat plug-in sockets with notches, e.g. in BMW, Ford, Opel, Porsche, Seat, Skoda, VW/Audi

Product no.	Model	for contact dimension □ mm	△ g
74620001	1551	2.8	19
74640002	1552	5.8	19

## 1553-1555



**Cable extractor tools KABELEX®**  
— for flat plug-in sockets in plugs with an unlocking channel

Product no.	Model	for contact dimension □ mm	△ g
74620003	1553	2.8; 5.8	16
74620004	1554	2.8	16
74620005	1555	5.8	16

## 1556



**Cable extractor tool KABELEX®**  
— for flat plug-in sockets, Micro-Timer II, III contacts, e.g. in Mercedes-Benz, Opel, Porsche, PSA, Renault, Saab, Seat, Skoda, VW/Audi

Product no.	for contact dimension □ mm	△ g
74620006	1.6	17

## 1556-1



### Cable extractor tool KABELEX®

- for flat plug-in sockets with asymmetrically arranged notches on the contact in plugs with 2 unlocking channels, e.g. in Seat, Skoda, VW/Audi

Product no.	for contact dimension □ mm	⚖ g
74612006	0.64	19

## 1574



### Cable extractor tool KABELEX®

- for flat plug-in sockets, Micro-Timer I contacts and ABS housings, e.g. in Fiat, Ford, Mazda, Opel, PSA, Renault, Saab, VW/Audi

Product no.	for contact dimension □ mm	⚖ g
74620024	1.6	15

## 1557/1558



### Cable extractor tools KABELEX®

- for flat plug-in sockets with asymmetrically arranged notches on the contact in plugs with 2 unlocking channels, e.g. in Seat, Skoda, VW/Audi

Product no.	Model	for contact dimension □ mm	⚖ g
74620007	1557	2.8	21
74620008	1558	4.8	22

## 1575



### Cable extractor tool KABELEX®

- for soldered round plug pin contacts in Ford
- for flat plug-in sockets (retaining by housing safety lock tab), e.g. in Fiat, Mazda, Toyota

Product no.	for contact size ∅ mm	for contact dimension □ mm	⚖ g
74620025	1.5	2.8; 5.8	15

## 1559



### Cable extractor tool KABELEX®

- for flat plug-in sockets, Maxi Power Timer contacts, e.g. in Mercedes-Benz, VW/Audi

Product no.	for contact dimension □ mm	⚖ g
74620009	9.5	39

## 1576



### Cable extractor tool KABELEX®

- for flat plug-in sockets with single notch (flat plug without box), e.g. MAN

Product no.	for contact dimension □ mm	⚖ g
74620026	2.8	18

## 1562



### Cable extractor tool KABELEX®

- for flat plug-in sockets, Pit-Pod contacts
- can be used for all automotive brands

Product no.	for contact dimension □ mm	⚖ g
74620012	diverse	25

## 1577



### Cable extractor tool KABELEX®

- for flat plug-in sockets, VKR Box contacts, e.g. in MAN

Product no.	for contact dimension □ mm	⚖ g
74620027		49

Special automotive tools

### 1577-1



**Cable extractor tool KABELEX®**

— for flat plug-in sockets, MKR/MKS contacts, e.g. in MAN/Volvo

Product no.	for contact dimension □ mm	Δ g
74615027	1.5	23

### 1587



**Cable extractor tool KABELEX®**

— for flat plug-in sockets and E-95 contacts in Mercedes-Benz

Product no.	for contact dimension □ mm	Δ g
74620037	1.65	23

### 1578K-1



**Cable extractor tool KABELEX®**

— for flat plug-in sockets and SLK contacts (primary), e.g. in BMW, Mercedes-Benz

Product no.	for contact dimension □ mm	Δ g
74610028	2.8	35

### 1589K



**Cable extractor tool KABELEX®**

— for flat plug-in sockets and LSK contacts, e.g. in BMW, Mercedes-Benz

Product no.	for contact dimension □ mm	Δ g
74610039	8	45

### 1578K-2



**Cable extractor tool KABELEX®**

— for flat plug-in sockets and SLK contacts 97 (primary, secondary), e.g. in BMW, Mercedes-Benz

Product no.	for contact dimension □ mm	Δ g
74612028	2.8	35

### 1591



**Cable extractor tool KABELEX®**

— for flat plug-in sockets in terminals with 2 unlocking channels, Junior Power Timer contacts, standard Power Timer Contacts, e.g. in BMW, Mercedes-Benz, Fiat, Ford, MAN, Opel, PSA, Renault, Saab, VW/Audi

Product no.	for contact dimension □ mm	Δ g
74620041	2.8; 5.8	25

### 1584/1585



**Cable extractor tools KABELEX®**

— for round soldered contacts in Mercedes-Benz

Product no.	Model	for contact size ∅ mm	Δ g
74620034	1584	4.0	13
74620035	1585	2.5	11



# STAHLWILLE KABLEX® RANGE.



Plug system	Tools	Cars										Trucks				Contact size mm	Model	
		BMW	Fiat	Ford	Mazda	Mercedes-Benz	Opel	PS-A	Renault	Volvo	VW/Audi/Skoda/Porsche	MAN	Mercedes-Benz	Scania	Volvo			
Round plug systems/ Crimp contacts (The complete tool consists of ejection tool with bush)		○	○			○	○			○	○		○	○		○	∅ 1.5	1501 + 1511
		○	○			○	○			○	○		○	○		○	∅ 3.5	1502 + 1512
													○	○	○	○	∅ 4 ABS	1503 + 1513, 1523
		○				○	○										∅ 2.5	1504 + 1514
			○				○	○	○							○	∅ 2.3	1505 + 1515
													○	○			∅ 4	1506 + 1516
Round plug systems/ soldered contacts			○	○	○												∅ 1.5 pin contact	1575
						○											∅ 4	1584
			○			○											∅ 2.5	1585
Flat plug systems with 2 or more locking tongues Crimp contacts		○		○		○	○	○	○		○		○				2.8	1551
		○	○	○			○	○	○		○		○				5.8	1552
						○	○	○	○	○							1.6	1556
						○					○						9.5 Maxi Power Timer-contacts	1559
							○										2.8 Ducon	1565
							○										1.5 Ducon	1566
													○				VKR box contact	1577
													○			○	MKR/MKS-contacts	1577-1
		○				○											SLK-contacts (primary)	1578K-1
		○				○											SLK-contacts 97 (primary+ secondary)	1578K-2
		○				○											LSK-contacts	1589K
						○											1.65 E 95	1587
		○	○	○		○	○	○	○	○	○		○	○	○	○	2.8/5.8 Junior Power Timer-contacts Standard Power Timer-contacts	1591
Flat plug systems with 2 locking tongues asymmetrical Crimp contacts																	0.64 MQS asymmetrically	1556-1
													○				2.8	1557
																	4.8	1558
Flat plug systems with 1 locking tongue Crimp contacts		○	○	○	○	○	○	○	○	○		○					2.8/5.8	1553
		○						○	○	○							2.8	1554
		○						○	○								5.8	1555
		○	○	○	○	○	○	○	○	○		○	○	○	○		Several Pid-Pod	1562
								○									0.8 Ducon	1563
								○									1.5 Ducon	1564
			○	○	○		○	○	○		○						1.6 Without box	1574
													○				2.8	1576

## 1560



### Tool set KABELEX®

— for round connectors (including ABS)

#### Contains 10-pieces:

- 1 ejection tool **No. 1501**: for contact dimension Ø 1.5 mm
- 1 ejection tool **No. 1502**: for contact dimension Ø 3.5 mm
- 1 ejection tool **No. 1503**: for contact dimension Ø 4.0 mm
- 2 dismantling sleeves **No. 1511**: for contact dimension Ø 1.5 mm (1 piece mounted)
- 2 dismantling sleeves **No. 1512**: for contact dimension Ø 3.5 mm (1 piece mounted)
- 2 dismantling sleeves **No. 1513**: for contact dimension Ø 4.0 mm (1 piece mounted)
- 1 assembly sleeve (ABS) **No. 1523**

Product no.	Content pcs.	⚖ g
96747201	10	560

## 1570/2



### Universal set KABELEX®

#### Contains 12-pieces:

- 3 ejection tools **No. 1501, 1502, 1505**: for contact dimensions Ø 1.5; 3.5; 2.3 mm
- 3 dismantling sleeves **No. 1511, 1512, 1515**: for contact dimensions Ø 1.5; 3.5; 2.3 mm
- 1 cable extractor tool **No. 1553**: for connectors with 1 unlocking channel, flat contacts 2.8 and 5.8 mm
- 1 cable extractor tool **No. 1556**: for Micro-Timer II, III contacts, flat contacts 1.6 mm
- 1 cable extractor tool **No. 1559**: for Maxi-Power timer contacts, flat contacts 9.5 mm
- 1 cable extractor tool **No. 1562**: for Pit Pod contacts
- 1 cable extractor tool **No. 1574**: for Micro-Timer I contacts and ABS housing, flat contacts 1.6 mm
- 1 cable extractor tool **No. 1591**: for connectors with 2 unlocking channels, flat contacts 2.8 and 5.8 mm

Product no.	Content pcs.	⚖ g
96747304	12	1230

## 1700 MAN/Volvo



### Tool set KABELEX®

— for MAN/Volvo, Mercedes-Benz trucks

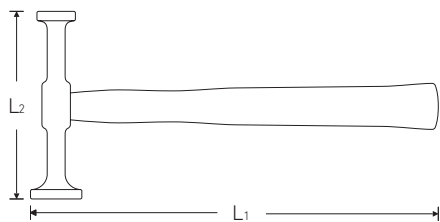
#### Contains 14-pieces:

- 4 ejection tools **No. 1501, 1502, 1503, 1506**: for contact dimensions Ø 1.5; 3.5; 4.0 (ABS) and 4.0 mm
- 4 dismantling sleeves **No. 1511, 1512, 1513, 1516**: for contact dimensions Ø 1.5; 3.5; 4.0 (ABS) and 4.0 mm
- 1 assembly sleeve (ABS) **No. 1523**
- 2 cable extractor tools **No. 1553, 1591**: for contact dimensions, flat contacts 2.8 and 5.8 mm
- 1 cable extractor tool **No. 1576**: for flat plugs with single latch, flat contacts 2.8 mm
- 1 cable extractor tool **No. 1577**: for flat plug-in sockets, VKR box contacts, flat contacts
- 1 cable extractor tool **No. 1577-1**: for MKR/FMD contacts, flat contacts 1.5 mm

Product no.	Content pcs.	⚖ g
96747208	14	1300

TOOLS THAT  
... inspire

## BODYWORK TOOLS.



### Panel beating hammers for bodywork

Explanation of the table headings

L<sub>1</sub> = Overall length

L<sub>2</sub> = Head length

Striking surface (□ mm) = Head size

Striking surface (∅ mm) = Head diameter

### 10775



#### Dinging hammer

- 2 round faces with different diameters
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ g
70130002	30/40	300	155	516

### 10780



#### Planishing hammer

- short version
- square and round face
- with hickory shaft

Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ g
70130003	25x25	32	300	100	346

### 10785



#### Planishing hammer

- short version
- smooth square face and round chequered face
- with hickory shaft

Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ g
70130004	35 x 35	40	300	96	484

### 10790



#### Pecking hammer

- round face and ball pein
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	∅ g
70130005	18/41	300	158	479

MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 10795



### Pecking hammer

- round face and acorn-shaped pein
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130006	20/41	300	160	461

## 10806



### Pecking hammer

- extra large thin face and pein
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130011	40	300	135	764

## 10800



### Pecking hammer

- short version
- round, flat face and pointed tip
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130007	35	300	135	357

## 10811



### Planishing and grooving hammer

- with hickory shaft

Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130012	36 x 10	30	320	160	545

## 10805



### Pecking hammer

- round, flat face
- long, thin pein, approx 1 mm thick
- with hickory shaft

Product no.	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130008	40	300	160	446

## 10812



### Planishing and grooving hammer

- with hickory shaft

Product no.	□ mm	∅ mm	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70130013	25 x 5	30	300	115	344

## 10880



### Bumping spoon

- for body work
- small version
- finely ground work surface

Product no.	L <sub>1</sub> mm	L <sub>2</sub> mm	△△ g
70220001 *	200	460	1866

\* L<sub>1</sub> = working length L<sub>2</sub> = total length

## 10885



### Bumping spoon

- for body work
- large version
- finely ground work surface

Product no.	L mm	⚖ g
70220002	500	2210

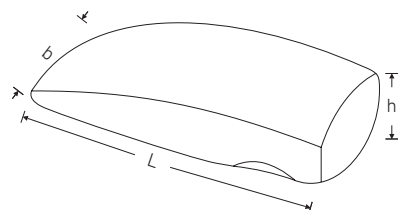
## 10855



### Universal dolly

- dolly for repair, customisation and restoration of motor vehicles

Product no.	h mm	⚖ g
70210010	58	1110



### Dollies

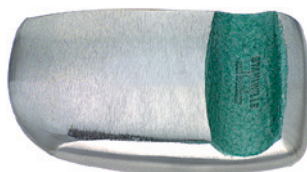
Explanation of the table headings

L = Overall length

b = Width

h = Height

## 10841



### Dolly

- flat shape
- dolly for repair, customisation and restoration of motor vehicles

Product no.	L mm	b mm	h mm	⚖ g
70210005	107	66	28	984

## 10835



### Dolly

- comma shape
- dolly for repair, customisation and restoration of motor vehicles

Product no.	L mm	b mm	h mm	⚖ g
70210002	130	55	32	958

## 10842



### Dolly

- diabolo shape
- curved
- dolly for repair, customisation and restoration of motor vehicles

Product no.	L mm	b mm	h mm	d mm	⚖ g
70210006	60	55	55	57	658

Special automotive tools

## 10845



**Dolly**

- toe shape
- dolly for repair, customisation and restoration of motor vehicles

Product no.	L mm	b mm	h mm	⚖ g
70210008	120	55	22	770

## 10865



**Dolly**

- half-round shape
- dolly for repair, customisation and restoration of motor vehicles

Product no.	L mm	b mm	h mm	⚖ g
70210012	80	60	35	1070

## 10890



**Body spoon**

- for removing dents
- small version
- finely ground work surface

Product no.	L mm	⚖ g
70220003	270	550

## 10905



**Body file holder**

- with a coarse blade

Product no.	L mm	W mm	H mm	⚖ g
72160000	365	35	110	765

## 10922



**Body file holder**

- made from wood
- for half-round radius file blades

Product no.	L mm	H mm	⚖ g
72200001	530	25	255

## 10923



**Body file holder**

- made from wood
- for flat file blades

Product no.	L mm	H mm	⚖ g
72200002	530	24	302

## 10921



**File blade for No. 10922**

- course, without swarf breaker
- half-round, hollow
- radially milled, toothed on both sides

Product no.	teeth per inch	L mm	⚖ g
79060004	9	350	216

## 10906-10916



File blades for No. 10905 and No. 10923

Product no.	Model	Version	teeth per inch	L mm	ΔΔ g
79060001	10906	fine, radial cut	15	350	321
79060002	10907	medium, radial cut	12	350	286
79060003	10908	coarse, radial cut	9	350	279
79060012	10915	medium, angled cut	12	350	282
79060013	10916	coarse, angled cut	9	350	252

## 11005



Pry bar

- head and tip polished

Product no.	L mm	W mm	d mm	ΔΔ g
72090000	400	46	14	477

## 11006



Lever bar

- made of special steel
- bright nickel-plated

Product no.	L mm	W mm	ΔΔ g
72090002	400	14	498

## 11007



Lever bar

- made of special steel
- bright nickel-plated

Product no.	L mm	W mm	ΔΔ g
72090003	400	17	641

## 12771



Extractor pliers

- for extracting fixing plugs on door panels, trim, bumper rubber, etc.
- joint and jaws made of hardened steel plate
- handles made of shaped sheet metal

Product no.	L mm	ΔΔ g
76480001	230	205

## 12752



Sheet metal shears

- lever action
- self-opening by built-in spring
- excellent cutting power
- for sheet steel up to 1.8 mm and stainless steel sheet up to 1.2 mm

Product no.	Version	L "	L mm	ΔΔ g
75230001	left-cutting	10 1/4	260	532
75230002	right-cutting	10 1/4	260	532

## 12753



Sheet metal shears

- lever action
- self-opening by built-in spring
- excellent cutting power
- for sheet steel up to 1.8 mm and stainless steel sheet up to 1.2 mm

Product no.	Version	L "	L mm	ΔΔ g
75240001	left-cutting	10 1/4	260	473
75240002	right-cutting	10 1/4	260	473

Special automotive tools

## 12727



### Spot weld milling cutter

- HSS steel
- for spot weld removal on vehicle body or sheet metal construction
- with interchangeable milling tool  $\varnothing$  10 mm
- adjustable milling depth by setting the adjustment screw
- can be used on both sides
- no pulling and tearing of sheet metal

Product no.	L mm	$\Delta$ g
72260001	72	19

## 12728



### Spare milling cutter

- compatible with spot weld milling cutter No. 12727

Product no.	L mm	$\Delta$ g
79260001	13	4

## 12729/12730



### Spot weld drills

- for clean, burr-free drilling of spot weld
- no shifting from welding point thanks to self-cutting centre point
- re-grindable

Product no.	Model	d mm	$\Delta$ g
72270007	12729	7	18
72270008	12730	8	30



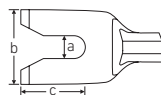
## VEHICLE DOOR TOOLS.

## 12770



### Lever bar

- powder coated blade for better sliding effect
- for loosening door panels in cars
- with 3-component handle



Product no.	L mm	a mm	b mm	c mm	$\Delta$ g
74593101	260	8	26	21	168

## 12770/2



### Lever bar

- for gently lifting off or unclipping sensitive caps, trim strips, trim rings, switches, rubber and textile coatings
- prevents scratches or damage due to the finely polished, rounded edges
- with 3-component handle

Product no.	L mm	$\Delta$ g
74593102	185	20

## 12770/3



### Plastic lever bar

- to remove trim of all types and cover trim on windshields, rear and side windows
- wide contact surface prevents scratches on painted parts, distortion of the trim or damage to windows

Product no.	L mm	W mm	$\Delta$ g
74590003	300	50	209

## 12772



### Lever bar

- suitable for bodywork and interior
- closed scoop
- with 3-component handle

Product no.	L mm	⊘ g
74593100	380	260

## GLASS INSTALLATION AND REMOVAL TOOLS.

### 10350 N



### Windscreen replacement set VERITRAC

#### Contains 5-pieces:

- 1 draw handle; 1 guide handle; 1 coil of special cutting wire (50 m); 2 double suction lifters

Product no.	Content pcs.	⊘ g
98742711	5	1760

### 10351 N



### Windscreen replacement set VERITRAC

#### Contains 3-pieces:

- 1 draw handle; 1 guide handle; 1 coil of special cutting wire (50 m)

Product no.	Content pcs.	⊘ g
96742711	3	458



## 10352



### Double suction lifters

- 1 pair
- mechanical action with safety lock
- special ABS-plastic
- oil and acid resistant
- with belt slots in the handle
- load capacity: 60 kg

Product no.	L mm	d mm	⊘ g
74280001	530	120	1405

### 10352/1



### Double suction lifters

- mechanical action with safety lock
- special ABS-plastic
- oil and acid resistant
- with belt slots in the handle
- load capacity: 30 kg

Product no.	L mm	d mm	⊘ g
74280005	415	120	670

### 10351/1



### Draw handle

- for drawing the cutting wire through the adhesive seal

Product no.	suitable for	⊘ g
74270001	SD10351N	90

## SD10351N



### Cutting wire

- wire removal without uncoiling the entire reel

Product no.	L m	d mm	ΔΔ g
79270011	50	0.6	170

## 10351/2



### Guide handle

- for attaching and clamping the cutting wire inside the vehicle

Product no.	L mm	ΔΔ g
74270002	308	195

## 10351/3



### Guide handle

- for attaching and clamping the cutting wire inside the vehicle
- the extra long length makes it particularly suitable for recessed glass

Product no.	L mm	ΔΔ g
74270006	308	190



## 1474/2



### Wire inserter

- for pulling or pushing the cutting wire through the hardened adhesive
- with 3-component handle

Product no.	L mm	ΔΔ g
78033102	290	69

## 10355



### Wire insert probe

- for threading the cutting wire through the hardened adhesive
- steel tube with brass handle

Product no.	Ø mm	ΔΔ g
74270004	2.5	115

## 12718



### Gasket scraper

- flat forged, sharp and wear-resistant blade
- for removing sealant and adhesive residue
- optimised ergonomics for perfect control when scraping
- with 3-component handle

Product no.	L mm	ΔΔ g
72033101	265	164

## 12749



### Scraper with reversible tungsten steel blade

- to remove glue residue and labels from vehicle glass
- can also be used for scraping metal and seals
- with 3-component handle

Product no.	L mm	b mm	ΔΔ g
72313101	460	25	458

## 12749R

### Spare blade

— for scraper No. 12749

Product no.	for model	∅	g
79310001	12749		19

## 10354



### Ratchet strap

— for tightening and securing freshly fitted vehicle glass  
— synthetic webbing

Product no.	L m	W mm	Tension force daN	∅	g
74270003	4.5	25	800		310

## VALVE AND PISTON TOOLS.

## 11063



### Valve seating-ring pliers

— for pulling off the valve seal and for removing the valve spring seat  
— joint and jaws made of hardened steel plate, gunmetal finish  
— handles made of shaped sheet metal, nickel-plated

Product no.	L mm	∅	g
74290001	250		340

## 11063/1



### Valve seating-ring pliers

— for pulling off recessed valve seals, e.g. for four-valve engines  
— joint and jaws made of hardened steel plate, gunmetal finish  
— handles made of shaped sheet metal, nickel-plated

Product no.	L mm	∅	g
74290002	270		345

## 12108



### Valve spring assembly tool

— with interchangeable hooks and lower bracket  
— suitable for almost all passenger car engines, usually without cylinder head detachment

Product no.	Content pcs.	∅	g
74570001	8		780

## 11068



### Piston ring tensioners

— made of special spring-band steel  
— with infinitely variable settings  
— with hex L-Key for clamping

Product no.	Size	L mm	H mm	∅	g
74140000	0	80	50		106
74140001	1	110	80		230
74140003	2	110	80		270
74140005	3	166	165		603

## 11069



### Piston ring pliers

— for inserting and removing piston rings  
— bright nickel-plated

Product no.	Size	for piston rings mm	L mm	H mm	∅	g
74152001	1	55-100	200	18		245
74152002	2	80-120	240	20		279
74152003	3	110-160	240	23		394
74152005 <sup>1</sup>	5	60-160	220	16		194

<sup>1</sup> with V-shaped contact faces, for gentle and safe spreading of piston rings

# 11095-11097



### Precision feeler gauges

- tapered blades made of hardened spring steel
- nickel-plated case with locking screw
- tolerance according to T2

Product no.	Model	Sheet thickness mm	Sheet thickness "	L mm	⊗ g
74240001	11095/13	0.05; 0.10; 0.15;	0,002; 0,004; 0,006;	100	62
		0.20; 0.25; 0.30;	0,008; 0,010; 0,012;		
74240002	11095/20	0.40; 0.50; 0.60;	0,016; 0,020; 0,024;	100	96
		0.70; 0.80; 0.90;	0,028; 0,032; 0,036;		
74240005	11097/26	1.00	0,040	100	80
		0.05; 0.10; 0.15;	0,002; 0,004; 0,006;		
		0.20; 0.25; 0.30;	0,008; 0,010; 0,012;		
		0.35; 0.40; 0.45;	0,014; 0,016; 0,018;		
		0.50; 0.55; 0.60;	0,020; 0,022; 0,024;		
		0.65; 0.70; 0.75;	0,026; 0,028; 0,030;		
		0.80; 0.85; 0.90;	0,032; 0,034; 0,036;		
		0.95; 1.00	0,038; 0,040		

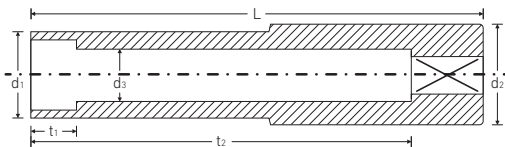
## IGNITION AND ELECTRICAL TOOLS.

# 3466



### Spark plug socket

- long version, with magnet
- hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



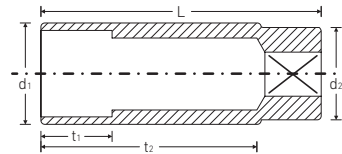
Product no.	⊗ mm	⊗ "	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	⊗ g
02140036	16	5/8	21.8	25.5	15	7	72.9	85	180

# 4600



### Spark plug socket

- long version, with rubber insert
- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



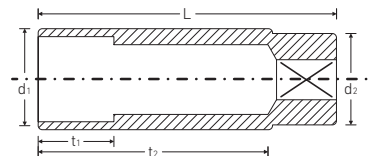
Product no.	⊗ mm	⊗ "	d <sub>1</sub> mm	d <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	⊗ g
02120036	16	5/8	21.7	19.5	15	47.8	60	84

# 4606



### Spark plug socket

- long version, with rubber insert
- hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated



Product no.	⊗ mm	⊗ "	d <sub>1</sub> mm	d <sub>2</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	⊗ g
02130018	18	11/16	24.2	22	18	52.8	65	132

**MADE IN CRONENBERG**  
MADE IN GERMANY

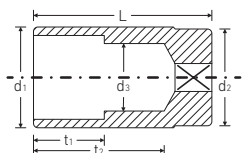
For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

## 46



### Spark plug socket

- long version, with rubber insert
- bi-hex with AS-Drive profile
- 3/8" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709 / ASME B 107.5M



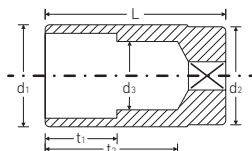
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	g
02020208	208	13/16	27.2	25	-	18	-	65	151

## 51S



### Spark plug socket

- long version, with rubber insert
- for spark plugs and wheel nuts on Japanese cars
- hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709



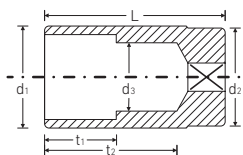
Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	g
03240208	208	13/16	27.7	26	20	22	66.2	83	196

## 51



### Spark plug sockets

- long version, with rubber insert
- bi-hex with AS-Drive profile
- 1/2" internal square drive
- HPQ® high performance steel, chrome-plated
- DIN 3124 / ISO 2725-1 / DIN EN 3710 / DIN EN 3709 / ASME B 107.5M



Product no.	mm	"	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>3</sub> mm	t <sub>1</sub> mm	t <sub>2</sub> mm	L mm	g
03020216	16	5/8	22.4	23.7	15.4	19	64.5	83	137
03020208	208	13/16	27.7	26	20	22	66.2	83	194

## 5100



### Rubber insert

- for 20.8 mm (No. 46; 51; 51S)

Product no.	Internal Ø mm	External Ø mm	L mm	g
09010001	11	20	25	6

## 3047



### Uniflex sockets

- extra long design, with flexible joint
- hex
- 3/8" internal square drive
- e. g. for hard-to-reach glow plugs

Product no.	mm	L mm	g
02180010	10	140	138
02180012	12	140	138

## Special automotive tools

### 12372



#### Brake caliper brush

- narrow version
- brass wire, thickness 0.25 mm, corrugated
- plastic grip with hanging hole
- extremely strong bristles for very high brushing performance
- universal use
- Made in Germany

Product no.	L mm	∅ g
77440002	225	70

### 12373



#### Brake caliper brush

- narrow version
- steel wire, thickness 0.35 mm, smooth
- plastic grip with hanging hole
- extremely strong bristles for very high brushing performance
- universal use
- Made in Germany

Product no.	L mm	∅ g
77440001	230	65

### 12375



#### Spark plug brush

- brass wire, thickness 0.3 mm, corrugated
- 3-rows of wire
- wooden handle
- Made in Germany

Product no.	L mm	∅ g
74160001	150	17



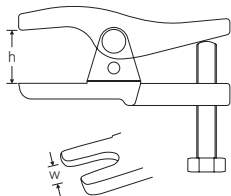
## BRAKE AND WHEEL TOOLS.

### 11700



#### Ball joint separator

- for quick and reliable pressing out of ball joint pins from track rods and stabilisers
- for car and truck ball joints
- compact model
- body and lever made from tempered steel
- drop-forged, hardened and tempered



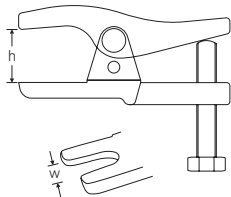
Product no.	● mm	w mm	Clear height mm (h)	⚖ g
71070000	19	23	20-50	730

### 11701



#### Ball joint separator

- for quick and reliable pressing out of ball joint pins from track rods and stabilisers
- for car and truck ball joints
- 2-way adjustable
- body and lever made from tempered steel
- drop-forged, hardened and tempered



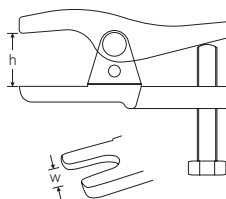
Product no.	● mm	w mm	Clear height mm (h)	⚖ g
71070001	24	20	12-50	1370

### 11702



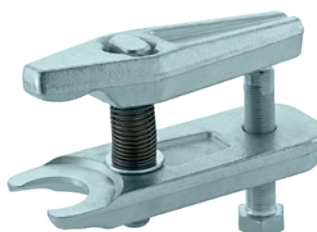
#### Ball joint separator

- for quick and reliable pressing out of ball joint pins from track rods and stabilisers
- for car and truck ball joints
- 2-way adjustable
- body and lever made from tempered steel
- drop-forged, hardened and tempered



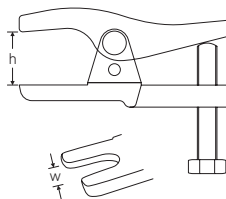
Product no.	● mm	w mm	Clear height mm (h)	⚖ g
71070002	24	20	50-80	1740

### 11703



#### Ball joint separator

- galvanised
- for heavy trucks, buses and construction vehicles



Product no.	w mm	Clear height mm (h)	max. t	max. torque N·m	⚖ g
71070003	27-36	90	10	100	2940

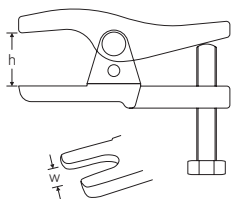
Special automotive tools

### 11704



**Ball joint separator**

- galvanised
- for medium and heavy trucks, buses, construction and special vehicles



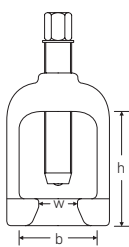
Product no.	w mm	Clear height mm (h)	max. t	max. torque N·m	⊕⊖ g
71070004	35-45	115	20	200	6500

### 11708



**Ball joint extractors**

- galvanised
- for pressing out the ball pins of motor vehicles



Product no.	w mm	b mm	Clear height mm (h)	max. torque N·m	⊕⊖ g
71080001	18	37	37	50	285
71080002	23	45	45	120	476
71080004	39	70	80	280	2024

### 10599/2



**Balance weight pliers**

- with cutters for cutting and positioning lead weights (also with adhesive films)
- Chrome Alloy Steel, chrome-plated

Product no.	L mm	W mm	⊕⊖ g
76294003	245	100	380

### 10613



**Brake spring pliers**

- for riveted brake pads
- Chrome Alloy Steel, gloss nickel-plated

Product no.	L mm	⊕⊖ g
76413001	210	245

### 10613/1



**Brake spring pliers**

- with a movable plate, for riveted and glued brake pads

Product no.	L mm	⊕⊖ g
76413021	330	461

### 34c/35c



#### Wheel braces

- with forged centre piece, pressed arms and extra-deep forged socket heads
- Chrome Alloy Steel, chrome-plated
- DIN 3119 / ISO 6788

Product no.	□ mm/"	L mm	△ g
43030005	24; 27; 32 mm; 3/4" square	400	2058
43030006	17; 19; 22 mm; 1/2" square	400	5020

### 39



#### Tyre levers

- suitable for fitting and removing vehicle tyres
- easy to use, robust construction with carefully formed profiles
- with sturdy double-T profile
- Chrome Alloy Steel, chrome-plated

Product no.	Model	L mm	△ g
74010401	39 Pkw	400	358
74010601	39/1 Lkw	600	897
74010604	39/2 Lkw	600	1184
74010605	39/3 Lkw	600	932

## ENGINE AND TRANSMISSION TOOLS.

### 1015



#### Oil filter claw

- for loosening oil filters on cars

Product no.	□ "	h mm	Claw length mm	△ g
74620002	3/8	65	50	530

### 3045



#### Oil filter wrench

- for oil filters
- 14 sided
- with an external hex of 22 mm and a 10 mm dia. bore

Product no.	□ mm	L mm	△ g
74370001	74	52	131

### 1058



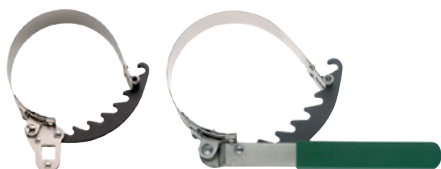
#### Oil service spanner

- bent
- 8 and 10 mm external squares
- for drain plugs on sump, transmission, differential

Product no.	△ g
44730810	315

Special automotive tools

## 12007



### Oil filter wrenches

- with adjustable steel strap
- for oil filters and round screws from 80 to 110 mm
- hardened anti-slip cams ensure safety during use

Product no.	Model	L mm	⚖ g
76521001 <sup>1</sup>	12007/1	150	226
76521002 <sup>2</sup>	12007/2	240	319

<sup>1</sup> with 1/2" internal square

<sup>2</sup> with lever handle

## 12005



### Strap wrench

- for clamping, loosening and tightening oil filters and sensitive screws/bolts up to a diameter of Ø 200 mm
- suitable for working in tight spaces
- low-wear, non-slip rubber fabric belt
- freely adjustable strap for flexible size coverage
- sturdy grip

Product no.	Model	L mm	Strap width	Strap length	⚖ g
76500001	12005	236	22	600	264

## 12005/1

### Rubber fabric strap for strap wrench

- low-wear, non-slip rubber fabric strap

Product no.	for model	Strap width	Strap length	⚖ g
79150001	12005	22	600	69

## 1023



### Special ring spanner

- single-ended
- angled shaft
- for bolted joints on injection pumps

Product no.	⌀ mm	B mm	H mm	⚖ g
41110013	13	60	8	67

## 1068



### Air filter claw

- for truck brake systems

Product no.	⌀	h mm	Claw length mm	⚖ g
74620011	1/2	85	60	925

## 12705



### Mechanics stethoscope

- steel probe
- plastic handle and sound tubes

Product no.	L mm	⚖ g
74060001	355	137

## 12717



### Pin wrench

- cranked
- pin spacing 18 mm
- pin diameter 2,9 mm
- for tightening timing belts on 1.6-l diesel engines

Product no.	L mm	⚖ g
44700018	140	76

## 12763

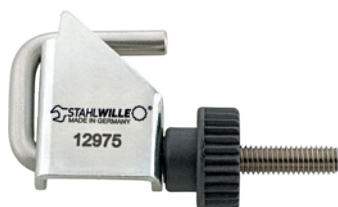


### Pull hook for rubber exhaust mountings

- for pulling the rubber eyelets on the exhaust mountings on all cars
- with T-handle, black plastic coated
- chrome-plated

Product no.	L mm	∅ g
74200002	220	118

## 12975



### Fuel hose clamp

- clamp area up to Ø 20 mm
- for clamping off hose lines

Product no.	Area of application	∅ g
74340001	0-20 mm	38

## VARIOUS SPECIAL AUTOMOTIVE TOOLS.

## 11085



### Jet reamer set

- for cleaning stubborn deposits and machining residues on the carburettor and air filter systems of e.g. motorcycles/scooters
- reamer Ø: 0.33; 0.4; 0.45; 0.5; 0.6; 0.7; 0.75; 0.8; 0.9; 1.0; 1.1; 1.2; 1.4; 1.6; 1.8; 2.0 mm
- with holder

Product no.	Content pcs.	∅ g
74310001	16	25

## 12915



### Ratchet tap holders

- with two-jaw chuck for fixed clamping of square shanks
- switchable for right and left-hand operation as well as "fixed"
- made completely of steel, chrome-plated

Product no.	Size	Span mm	L mm	∅ g
77390001	1	2.0-5.0	85	180
77390002	2	4.6-8	110	305

## 10614



### Hose clip pliers

- for self-tightening hose clamps
- bright nickel-plated

Product no.	L mm	∅ g
76460000	220	293

## 10615/1



### Hose clip pliers CLIC

- for locking and unlocking CLIC hose clamps
- easy work at a variety of angles thanks to variably adjustable jaws

Product no.	L mm	∅ g
76460013	200	189

Special automotive tools

## 10623/1



**Hose clip pliers**

- with rotating jaws and multiple locking positions
- single-handed operation, even with large clamping range thanks to variable joint
- particularly suitable for 12 and 15 mm wide, large spring-belt hose clamps
- DBGM (German Federal Utility Model)

Product no.	L mm	∅ g
76460012	290	414

## 10625/2



**Hose clip pliers**

- for the correct closing of infinitely variable tension clamps without lugs on axle boots
- high grade steel, nickel-plated
- gun metal finished jaws

Product no.	L mm	∅ g
76540003	200	173

## 10623/2



**Hose clip pliers**

- with Bowden cable and multiple locking positions
- especially suited for 12 and 15 mm wide spring-belt hose clamps, including those in heating and cooling systems up to a diameter of 42 mm
- practical for use in hard-to-reach places thanks to remote control via Bowden cable (length 610 mm)
- DBGM (German Federal Utility Model)

Product no.	L mm	∅ g
76540001	300	565

## 10623/2EB

**Spare bowden cable**

- for No. 10623/2

Product no.	L mm	∅ g
79540001	610	120

## 10625



**Ear clamp pincers**

- for mounting 1- and 2-ear clamps on axle boots, radiator and fuel lines
- black painted finish

Product no.	L mm	W mm	∅ g
76540002	225	48	340

## 12495



**Brass punch**

- for use on bushings, bearing rings, etc.
- steering pivot pin

Product no.	L mm	∅ mm	∅ g
77130000	200	20	533

TOOLS THAT  
... inspire

## 7756



### Automotive voltage tester set

- testing device for automotive electrics and electronics
- 3-48 V
- voltage indicator by 2 LEDs - voltage and positive/negative polarity

### Contains 3-pieces:

- 1 base unit with 1.5 m lead, test tip, integrated punch needle with sliding mechanism
- 1 crocodile clip
- 1 claw gripper

Product no.	L mm	W mm	Content pcs.	⚖ g
77560002	190	140	3	100

## 12905



### Automotive circuit tester

- for checking the lighting and ignition systems of motor vehicles
- for 6-12 and 24 V
- with pointed probe
- protective cap
- cable with crocodile clip

Product no.	L mm	⚖ g
77380001	120	73

## KM STW



### Kneeling mat

- makes it more comfortable to work in a kneeling position
- with a recess for storing small parts, screws, nuts, etc.
- flexible, chemical-resistant foam mat
- anthracite/yellow, lasered STAHLWILLE logo

Product no.	L mm	W mm	H mm	⚖ g
83822520	490	245	30	124





# 11 Miscellaneous tools

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464 Pipe tools

---

466 Striking and lever tools

---

474 Scraping and deburring tools

---

476 Grinding and cutting tools

---

479 Measuring, marking,  
testing tools

---

481 Reworking tools

---

483 Inspection tools

---

485 Torches and construction tools

---

489 Workshop accessories

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# STAHLWILLE MISCELLANEOUS TOOLS – For the daily challenges.

Work processes are becoming increasingly complex, and special tools are increasingly essential for carrying out service and repair work. Pipe cutters, hook and pick tools, hammers, scrapers and screw extractors are just some of the many problem solvers that STAHLWILLE offers.



## Effective.

STAHLWILLE plastic scrapers made of glass-fibre-reinforced plastic: for damage-free removal of gaskets, seals and residues.

## Magnetic.

The STAHLWILLE magnetic pen lifter is the perfect tool for recovering metallic objects in difficult-to-reach spaces. The strong neodymium magnet provides a high adhesion force. The built-in scriber is protected by a cap.

## Rescue aid.

The STAHLWILLE screw extractor ensures damage-free extraction of broken screws or threaded bolts. Available in a 6-piece set.



### Compact.

Handy wire cutters – ideal for clean cutting of cables, brass, copper and aluminium.



### High-quality.

The shear blades of the wire cutters are made of stainless steel – one of them has a sawing function (serrated cut). The 2-component handles with finger rest ensure fatigue-free working.

### Varied.

A wide range of other problem solvers for the daily challenges at work can be found on the following pages. Naturally in proven STAHLWILLE quality.



## PIPE TOOLS.

### 14000/14002



#### Pipe cutters RAPID

- to cut steel and stainless steel pipes
- forged body with one cutting wheel
- with a spring-loaded system
- cutting wheel can be changed without additional tools
- colour: silver grey (RAL 9006)

Product no.	$\frac{1}{8}$ "	mm	mm	Cutting depth max. mm	L mm	Cutting wheel	$\frac{\Delta}{g}$
60030000	$\frac{1}{8}$ -1 $\frac{1}{4}$	3-32	10-42	5.5	265	1	1113
60030002	$\frac{1}{8}$ -2	3-50	10-63	7	400	1	1975

### 14001/14003



#### Pipe cutters RAPID

- to cut steel and stainless steel pipes
- forged body with three cutting wheels
- with a spring-loaded system
- cutting wheel can be changed without additional tools
- colour: silver grey (RAL 9006)

Product no.	$\frac{1}{8}$ "	mm	mm	Cutting depth max. mm	L mm	Cutting wheel	$\frac{\Delta}{g}$
60030001	$\frac{1}{8}$ -1 $\frac{1}{4}$	3-32	6-43	5.5	265	3	1166
60030003	$\frac{1}{8}$ -2	3-50	10-63	7	400	3	2149

### 14100



#### Pipe cutter COMPACT

- for cutting aluminium, copper and thin-walled steel pipes
- die-cast body
- with a cutting wheel
- with a spare cutting wheel in the rotary knob
- cutting wheel can be changed without additional tools
- with four guided rollers
- including deburring blades
- colour: silver grey (RAL 9006)

Product no.	$\frac{1}{8}$ "	mm	Cutting depth max. mm	L mm	Cutting wheel	$\frac{\Delta}{g}$
60031000	$\frac{1}{8}$ -1 $\frac{3}{8}$	3-35	2.5	160	1	356

### 14200



#### Pipe cutter MINI

- for copper, brass, and light metal pipes, as well as for hard plastic and thin-walled steel pipes
- colour: silver grey (RAL 9006)

Product no.	$\frac{1}{8}$ "	mm	Cutting depth max. mm	L mm	Cutting wheel	$\frac{\Delta}{g}$
60032000	$\frac{1}{8}$ - $\frac{3}{8}$	3-16	2	55	1	102

### 14300



#### Chain pipe cutter

- infinitely adjustable
- with rotary handle
- also suitable for stainless steel pipes up to 1.8 mm wall thickness
- chain length 270 mm

Product no.	mm	Cutting depth max. mm	$\frac{1}{8}$ "	L mm	W mm	$\frac{\Delta}{g}$
60033000	25-75	2	$\frac{1}{8}$ -1 $\frac{1}{4}$	240	85	665

## 14050-14051



### Shim rings

- to convert pipe cutters from 1 to 3 cutting wheels, for example, for work on laid pipes
- for pipe cutters No. 14000 ( $\frac{1}{8}$ -1  $\frac{1}{4}$ " ): 2 cutting wheels No. 14010 ( $\frac{1}{8}$ -1  $\frac{1}{4}$ " ), 2 shim rings
- for pipe cutter No. 14002 ( $\frac{1}{8}$ -2" ): 2 cutting wheels No. 14011 ( $\frac{1}{8}$ -2" ), 2 shim rings

Product no.	for model	Ø mm	± g
69135000	14000; 14001	13	8
69135001	14002; 14003	14	4

## 14060



### Spare chain

- for chain pipe cutter

Product no.	for model	± g
69136000	14300	188

## 14020-14021



### Guide rollers

- for RAPID pipe cutter

Product no.	for model	W mm	Ø mm	± g
69132000	14000; 14001	21	23	38
69132001	14002; 14003	27	28	115

## 14012



### Cutting wheel

- for MINI pipe cutter

Product no.	for model	Ø mm	± g
69131002	14200	20	5

## 14030-14031



### Cutting wheel spindles

- for RAPID pipe cutter

Product no.	for model	L mm	± g
69133000	14000; 14001	30	10
69133001	14002; 14003	37	20

## 14032



### Cutting wheel spindle

- for MINI and COMPACT pipe cutters

Product no.	for model	L mm	± g
69133002	14100; 14200	18	4

## 14040-14041



### Roller spindles

- for RAPID pipe cutter

Product no.	for model	L mm	± g
69134000	14000; 14001	39	10
69134001	14002; 14003	48	24

## 14010-14011



### Cutting wheels

- for RAPID pipe cutter

Product no.	for model	Ø mm	Bore (mm)	± g
69131000	14000; 14001	25	7.6	15
69131001	14002; 14003	31	9	30

## STRIKING AND LEVER TOOLS.

### 13000-13003 155 mm



#### Hook tools

- for assembly and removal of small parts
- high hardness values (50-55 HRC)
- with 3-component handle

Product no.	Model	Version	L mm	△ g
77101000	13000	straight	155	22
77101001	13001	45°	155	22
77101002	13002	90°	155	22
77101003	13003	rounded	155	24

### 13000-13003 250 mm



#### Hook tools

- extra long design
- for assembly and removal of small parts
- high hardness values (50-55 HRC)
- with 3-component handle

Product no.	Model	Version	L mm	△ g
77101100	13000	straight	250	48
77101101	13001	45°	250	48
77101102	13002	90°	250	50
77101103	13003	rounded	250	50

### 13000-13003/4 155 mm



#### Hook and pick set

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 4-pieces:

4 hook tools No. 13000-13003: straight, 45°; 90°; rounded

Product no.	Content pcs.	△ g
96722802	4	144

### 13000-13003/4 250 mm



#### Hook and pick set

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 4-pieces:

4 hook tools No. 13000-13003: straight, 45°; 90°; rounded

Product no.	Content pcs.	△ g
96722803	4	174

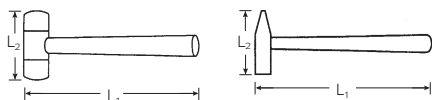
### 13009



#### Split-pin puller

- for gentle removal of cotter pins and springs
- high hardness values (50-55 HRC)
- with 3-component handle

Product no.	L mm	△ g
77101010	265	138



### Soft and hard-faced hammers

Explanation of the table headings

$L_1$  = Overall length

$L_2$  = Head length

Striking surface ( $\emptyset$  mm) = Head diameter

## 10955



### Plastic hammers

- with interchangeable heads made of impact-resistant cellulose acetate
- with ash shaft

Product no.	$\emptyset$ mm	Hardness (Shore)	$L_1$ mm	$L_2$ mm	$\Delta$ g
70160027	27	65	265	90	235
70160032	32	65	280	100	320
70160035	35	65	290	105	376
70160040	40	65	320	110	545
70160050	50	65	340	115	873

## 10955R



### Spare heads for plastic hammers

- made of impact-resistant cellulose acetate
- warm up the head and tap it into position

Product no.	for model	$\emptyset$ mm	Hardness (Shore)	$\Delta$ g
79040027	10955 27	27	65	14
79040032	10955 32	32	65	22
79040035	10955 35	35	65	29
79040040	10955 40	40	65	39
79040050	10955 50	50	65	69

## 10958



### Embossing hammer

- aluminium head
- cylindrical
- with hickory shaft

Product no.	$\emptyset$ mm	$L_1$ mm	$L_2$ mm	$\Delta$ g
70240040	40	340	155	648

## 10940



### Rubber composite mallets

- tough rubber head with a hardness of approx. 90 Shore A
- with ash shaft
- according to DIN 5128-90

Product no.	$\emptyset$ mm	Hardness (Shore)	$L_1$ mm	$L_2$ mm	$\Delta$ g
70140001	55	90	320	90	317
70140002	65	90	350	115	527
70140003	75	90	350	130	780
70140004	90	90	380	140	1220

## 10956



### Nylon hammers

- with interchangeable heads made of impact-resistant nylon VESTAMID®
- with hickory shaft

Product no.	$\emptyset$ mm	Hardness (Shore)	$L_1$ mm	$L_2$ mm	$\Delta$ g
70171027	27	75	265	90	232
70171032	32	75	280	100	336
70171035	35	75	290	105	413
70171040	40	75	320	110	546
70171050	50	75	340	115	865
70171060	60	75	380	135	1339

## Miscellaneous tools

### 10956R



#### Spare heads for nylon hammers

- made of impact-resistant nylon VESTAMID®
- warm up the head and tap it into position

Product no.	for model	∅ mm	Hardness (Shore)	⊘ g
79050027	10956 27	27	75	11
79050032	10956 32	32	75	18
79050035	10956 35	35	75	23
79050040	10956 40	40	75	31
79050050	10956 50	50	75	53
79050060	10956 60	60	75	83

### 10959



#### Dead blow hammers

- with steel shot in the head to prevent recoil
- with interchangeable heads made of medium-hard polyurethane
- with hickory shaft

Product no.	∅ mm	Hardness (Shore)	L <sub>1</sub> mm	L <sub>2</sub> mm	⊘ g
70190130	30	73	330	110	460
70190135	35	73	335	110	580
70190140	40	73	355	115	760
70190150	50	73	365	120	1250
70190160	60	73	360	145	1900

### 10959R



#### Spare heads for dead blow hammers

- made of medium-hard polyurethane

Product no.	for model	∅ mm	Hardness (Shore)	⊘ g
79091030	10959 30	30	73	19
79091035	10959 35	35	73	26
79091040	10959 40	40	73	38
79091050	10959 50	50	73	72
79091060	10959 60	60	73	118

### 10961



#### Engineer's hammers

- steel overstrike sleeve for optimum protection against misses
- ergonomically shaped shaft made of hickory wood
- painted handle end ensures a better grip
- DIN 1041

Product no.	Head weight g	L <sub>1</sub> mm	L <sub>2</sub> mm	⊘ g
70110009	200	280	95	254
70110010	300	300	105	400
70110011	500	320	118	600
70110013	800	350	130	951
70110015	1,000	360	135	1132
70110016	1,500	380	145	1617
70110017	2,000	400	155	2285

### 10970



#### Engineer's hammers

- with ash shaft

Product no.	Head weight lb.	L <sub>1</sub> mm	L <sub>2</sub> mm	⊘ g
70120001	1/4	270	67	176
70120005	1/2	290	82	320
70120006	3/4	310	93	454
70120002	1	320	99	572
70120004	1 1/2	350	118	790
70120003	2	380	126	1045

### 10962



#### Lump hammers

- steel overstrike sleeve for optimum protection against misses
- ergonomically shaped shaft made of hickory wood
- painted handle end ensures a better grip
- DIN 6475

Product no.	Head weight g	L <sub>1</sub> mm	L <sub>2</sub> mm	⊘ g
70111010	1,000	260	95	1410
70111015	1,250	260	100	1660
70111020	1,500	280	110	1910

## 100



## Ribbed cold chisels

— Chrome Alloy Steel, chrome-plated

Product no.	L mm	W mm	⚖ g
70010006	150	20	165
70010008	200	26	305
70010010	250	30	507
70010012	300	35	807

## 102



## Flat chisels

— flat-oval  
— Chrome Alloy Steel, painted silver  
— DIN 6453

Product no.	L mm	W mm	H mm	⚖ g
70020002	125	14	9	96
70020003	150	17	11	172
70020004	175	20	12	269
70020005	200	23	13	379
70020007	250	23	13	521
70020008	300	23	13	591

## 103



## Cross-cut chisels

— flat-oval  
— Chrome Alloy Steel, painted silver  
— DIN 6451

Product no.	L mm	W mm	H mm	⚖ g
70040003	150	17	11	147
70040004	175	17	11	239
70040005	200	20	12	340

## 110



## Grooving chisel

— flat-oval  
— Chrome Alloy Steel, painted silver

Product no.	L mm	W mm	⚖ g
70080001	240	26	298

## 112



## Grooving chisel

— with hand guard  
— flat-oval  
— Chrome Alloy Steel, painted silver

Product no.	L mm	W mm	⚖ g
70080002	240	26	434

## 112/1



## Hand guard

— robust plastic design

Product no.	□ mm	⚖ g
79160001	26 x 7	101

## 104



## Drift punches

— octagonal  
— Chrome Alloy Steel, painted silver  
— DIN 6458

Product no.	● mm	● mm	L mm	⚖ g
70060007	2	10	120	60
70060010	3	10	120	60
70060002	4	10	120	62
70060008	5	10	120	64
70060003	6	10	120	66
70060009	8	12	120	68

## 105



## Centre punches

— octagonal  
— Chrome Alloy Steel, painted silver  
— DIN 7250

Product no.	● mm	L mm	⚖ g
70050001	10	100	52
70050005	10	120	63
70050002	12	120	90

Miscellaneous tools

# 108



**Pin punches**

- octagonal
- Chrome Alloy Steel, painted silver
- DIN 6450

Product no.	● mm	● mm	L mm	△ g
70071152	2	8	115	29
70070013	3	8	125	35
70070001	2.5	10	150	65
70070002	3	10	150	62
70070003	4	10	150	64
70070004	5	10	150	67
70070005	6	10	150	72
70070006	8	10	150	81
70070009	3	10	175	57
70070010	4	10	175	64
70070012	6	10	175	69
70070008	8	12	200	141
70070011	10	12	200	159

# 108/6T



**Pin punch set**

- Chrome Alloy Steel, painted silver
- DIN 6450
- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

6 pin punches **No. 108**: Ø 2.5; 3; 4; 5; 6; 8 mm

Product no.	Content pcs.	△ g
96700703	6	460

## MADE IN GERMANY

For more than 160 years, the STAHLWILLE brand has been synonymous with premium tools. From its foundation by Eduard Wille to the present day, our goal has always been the same: to manufacture tools that set the standard and that are 'Made in Germany'.

# 108/6



**Pin punch set**

- Chrome Alloy Steel, painted silver
- DIN 6450
- in a plastic stand

**Contains 6-pieces:**

6 pin punches **No. 108**: Ø 2.5; 3; 4; 5; 6; 8 mm

Product no.	Content pcs.	△ g
96700701	6	450

# 109



**Pin punches**

- with guide sleeve

Product no.	● mm	● mm	L mm	△ g
70090001	0.9	5	70	7
70090002	1.4	6	81	12
70090003	1.8	6	84	12
70090004	2.4	7	92	18
70090005	2.8	7	95	19
70090006	3.4	8	97	25
70090007	3.9	8	100	27
70090008	5.9	9	102	47

# 102-108/6



**Chisel, drift punch, pin punch and centre punch set**

- Chrome Alloy Steel, painted silver
- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

2 flat chisels **No. 102**: W. 14; 17; L. 125; 150 mm

2 drift punches **No. 104**: Ø 2; 4 mm

1 centre punch **No. 105**: Ø 10 mm

1 pin punch **No. 108**: Ø 4 mm

Product no.	Content pcs.	△ g
98812203	6	470

## TCS 102-108/11

**Chisel and punch set**

- Chrome Alloy Steel, painted silver
- safely integrated in the modular Tool Control System (TCS)

**Contains 11-pieces:**

3 flat chisels **No. 102:** W. 17; 23; 23; L. 150; 200; 250 mm

2 centre punches **No. 105:** Ø 10; 12 mm

6 pin punches **No. 108:** Ø 2.5; 3; 4; 5; 6; 8 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838754	350	175	33	1/3	11	1665

## 104-105/6T

**Drift punch and centre punch set**

- Chrome Alloy Steel, painted silver
- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

5 drift punches **No. 104:** Ø 2; 3; 4; 5; 6 mm

1 centre punch **No. 105:** Ø 10 mm

Product no.	Content pcs.	△△ g
96700600	6	466

## 104-5/6

**Drift punch and centre punch set**

- Chrome Alloy Steel, painted silver
- in a plastic holder

**Contains 6-pieces:**

5 drift punches **No. 104:** Ø 2; 3; 4; 5; 6 mm

1 centre punch **No. 105:** Ø 10 mm

Product no.	Content pcs.	△△ g
96700601	6	417

## 105-108/6

**Pin punch and centre punch set**

- Chrome Alloy Steel, painted silver
- in a plastic stand

**Contains 6-pieces:**

5 pin punches **No. 108:** Ø 2.5; 3; 4; 5; 6 mm

1 centre punch **No. 105:** Ø 10 mm

Product no.	Content pcs.	△△ g
96700712	6	480

## 105-108/6T

**Pin punch and centre punch set**

- Chrome Alloy Steel, painted silver
- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

5 pin punches **No. 108:** Ø 2.5; 3; 4; 5; 6 mm

1 centre punch **No. 105:** Ø 10 mm

Product no.	Content pcs.	△△ g
96700710	6	476

TOOLS THAT  
... inspire

## TCS 102-109/10956/10961/6



### Punch, chisel and hammer set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

- 1 flat chisel **No. 102**: B.20; L. 175 mm
- 2 pin punches **No. 108**: Ø 6 mm, L. 150; 175 mm
- 1 pin punch **No. 109**: Ø 3.4 mm
- 1 nylon hammer **No. 10956**: Ø 35 mm
- 1 engineer's hammer **No. 10961**: 500 g

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96838181	350	175	40	1/3	6	1605

## TCS 102-108/10961/10



### Punch, chisel and hammer set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 10-pieces:

- 1 flat chisel **No. 102**: W. 23; L. 200 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 1 pin punch **No. 108**: Ø 2 mm
- 4 pin punches **No. 108**: Ø 3; 4; 5; 6 mm
- 1 pin punch **No. 108**: Ø 4 mm
- 1 pin punch **No. 108**: Ø 8 mm
- 1 engineer's hammer **No. 10961**: 500g

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830361	350	175	40	1/3	10	1569

## TCS 102-108/10956/10960/18



### Punch, chisel and hammer set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 18-pieces:

- 1 wire brush **No. 12374**: L. 290 mm
- 1 safety knife (cutter) **No. 12965**: L. 174 mm
- 1 flat chisel **No. 102**: W. 17; L. 150 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 6 pin punches **No. 108**: Ø 2.5; 3; 4; 5; 6; 8 mm
- 1 nylon hammer **No. 10956**: Ø 50 mm
- 2 engineer's hammers **No. 10961**: 300; 500 g
- 1 glass scraper **No. 10356**: L. 165 mm
- 1 triangular special scraper **No. 10670**: L. 285 mm
- 1 flat scraper **No. 10672**: W. 20; L. 315 mm
- 1 caliper **No. 12900**: measuring range: 150 mm/6"

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830620	350	530	55	3/3	18	3653

## TCS 102-108/10959/10961/12718/13



### Punch, chisel and hammer set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 13-pieces:

- 2 flat chisels **No. 102**: W. 23; 23; L. 200; 300 mm
- 1 cross-cut chisel **No. 103**: W. 17; L. 150 mm
- 1 centre punch **No. 105**: Ø 10 mm
- 5 pin punches **No. 108**: Ø 3; 4; 5; 6; 8 mm
- 2 engineer's hammers **No. 10961**: 500; 800 g
- 1 dead blow hammer **No. 10959**: Ø 40 mm
- 1 gasket scraper **No. 12718**: L. 265 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	△△ g
96830223	350	530	40	3/3	13	4452

## TCS 10956/10961/2



### Hammer set

— safely integrated in the modular Tool Control System (TCS)

#### Contains 2-pieces:

1 engineer's hammer **No. 10961**: 500 g

1 nylon hammer **No. 10956**: Ø 32 mm

Product no.	L mm	W mm	H mm	Size	Content pcs.	♻️ g
96838194	350	175	45	1/3	2	1130



## SCRAPING AND DEBURRING TOOLS.

### 10757



#### Four-sided bradawl

- to pre-punch and mill leather, plastic, and other soft materials, such as wood
- for easy starting of wood screws
- with 3-component handle

Product no.	Version	L mm	Blade mm	⚖ g
77593000	nickel-plated blade	215	6 x 100	137

### 10758



#### Round awls

- to pre-punch leather, plastic, and other soft materials, such as wood
- for easy starting of wood screws
- with 3-component handle

Product no.	Version	L mm	Blade mm	⚖ g
77592000	matt chrome-plated blade	215	6 x 100	82
77592001	matt chrome-plated blade	280	6 x 175	104

### 10669



#### Fine scraper

- 3-edged hollow profile scraper blades with a black plastic protective cap
- blade made of chromium-alloyed tool steel
- black plastic handle

Product no.	L mm	W mm	H mm	Blade mm	⚖ g
72060100	147	20	15	25 x 8	28

### 10670



#### Triangular special scrapers

- blade made of chromium-alloyed tool steel
- with 3-component handle

Product no.	L mm	W mm	H mm	⚖ g
72063101	210	34	34	106
72063103	260	34	34	124
72063104	285	34	34	140
72063105	310	34	34	152

### 10672



#### Flat scrapers

- Chrome Alloy Steel blade
- with 3-component handle

Product no.	Dimensions mm	L mm	W mm	H mm	⚖ g
72053104	20 x 315 x 5	315	20	34	227
72053105	25 x 365 x 5	365	25	34	367

### 10676



#### Triangular bearing scraper

- Chrome Alloy Steel blade
- with 3-component handle

Product no.	L mm	W mm	H mm	⚖ g
72083103	315	12	85	160



## 10677-10681



## Plastic scrapers

- fiberglass reinforced plastic
- for damage-free removal of seals, sealants, and residues (especially in the aerospace sector)
- high visibility bright green

Product no.	Model	L mm	Blade shape	b mm	⊗ g
72060200	10677	170	wide	32	28
72060201	10678	170	medium width	22	26
72060202	10679	170	narrow	13	26
72060203	10680	174	slanted	32	24
72060204	10681	175	sharp	6	24

## 10682/5



## Plastic scraper set

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

## Contains 5-pieces:

5 plastic scrapers **No. 10677-10681**: wide, medium, narrow, angled, pointed blade

Product no.	L mm	W mm	H mm	Content pcs.	⊗ g
96722700	205	105	40	5	240

## 10356



## Glass scraper

- for removing residues of adhesive and stickers from glass
- with a 0.3 mm thick interchangeable blade, and a protective cap

Product no.	L mm	W mm	⊗ g
74270005	165	40	85

## 10356R



## Spare blades

- 10-pieces in a magazine

Product no.	for model	L mm	W mm	H mm	Content pcs.	⊗ g
79270015	10356	61	40	3	10	52

## 12374



## Steel wire brushes

- steel wire bristles, thickness 0.35 mm, smooth
- beechwood brush body
- with 2 hanging holes at end of handle, front, and side
- PEFC standard certified
- Made in Germany

Product no.	Model	Stock mm	L mm	Rows	⊗ g
77090001	12374/1	140	290	3	100
77090000	12374/2	140	290	4	129
77090003	12374/3	140	285	5	148

## 12376



## Gas stove brush

- brass bristles, thickness 0.25 mm, corrugated
- 2 rows of bristles
- wooden brush body
- PEFC standard certified
- Made in Germany

Product no.	Stock mm	L mm	Rows	⊗ g
77090101	90	200	2	46

## 12377



## Wire brush

- with brass coated steel bristles

Product no.	L mm	⊗ g
77090010	270	140

Miscellaneous tools

## 13115



**Brass wire brush**

- for working on soft, light metal
- brass wire bristles, thickness 0.3 mm, corrugated
- 4 rows of bristles
- wooden brush body
- with hanging hole at the end of the handle
- PEFC standard certified
- Made in Germany

Product no.	L mm	Rows	△△ g
77470001	280	4	134

## 12378



**File brush**

- with scratch tape
- wooden brush body
- PEFC standard certified
- Made in Germany

Product no.	L mm	△△ g
77250000	260	74

## GRINDING AND CUTTING TOOLS.

## 12025



**Round file**

- Cut 2
- with 3-component handle
- DIN 8349

Product no.	L mm	Blade length mm	△△ g
72123100	300	190	118



## 12030



**Half round file**

- Cut 2
- with 3-component handle
- DIN 8349

Product no.	L mm	Blade length mm	△△ g
72133100	380	260	339

## 12035



**Triangular file**

- Cut 2
- with 3-component handle
- DIN 8349

Product no.	L mm	Blade length mm	△△ g
72143100	310	200	201

## 12036



**Flat file**

- Cut 2
- with 3-component handle
- DIN 8349

Product no.	L mm	Blade length mm	△△ g
72173102	380	260	305

## 12371



**Brake caliper file**

- to remove brake dust, rust, and dirt from the brake pad (disc brakes)
- with 3-component handle

Product no.	L mm	Blade length mm	△△ g
74543101	270	155	130

## 12800

**Warding file set**

- for deburring, finishing, fitting, and repair work
- DIN 7283
- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

1 file each: triangular, round, half-round, square, flat blunt, flat pointed: blade length: 100 mm

Product no.	L mm	Content pcs.	⚠ g
72230001	100	6	165

## 13100

**Needle file set**

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

**Contains 6-pieces:**

1 file each: round, half-round, triangular, square, flat blunt, flat pointed

Product no.	L mm	Content pcs.	⚠ g
96722801	140	6	50

## 12050

**Hacksaw**

- die-cast aluminium body
- grey powder-coated grip with anti-slip protection
- the saw blade is clamped using a wing nut
- 300 mm/12" HSS bi-metal saw blade

Product no.	L mm	Tooth density	⚠ g
72211000	450	24 TPI	464

## 12050 R

**Spare hacksaw blades for No. 12050**

- 10-pieces
- HSS bi-metal saw blade

Product no.	L mm	Tooth density	⚠ g
79180001	300	24 TPI	174

## 12053

**Hacksaw**

- chromium-alloyed tool steel
- with fiberglass reinforced plastic handle
- saw blade 150 mm

Product no.	L mm	Tooth density	⚠ g
72210002	252	32 TPI	159

## 12053 R

**Spare hacksaw blades for No. 12053**

- 6-pieces
- chromium-alloyed tool steel

Product no.	L mm	Tooth density	⚠ g
79180002	158	32 TPI	20

## 12000

**Thread restorers**

- for restoring internal and external threads
- sand-blasted design

Product no.	Model	L mm	⚠ g
72101002	12000/WW	230	122
72101003	12000/SAE	230	118
72101004	12000/ISO	230	115

Pitch mm	---- ISO ----		---- Ww ----		SAE/USS threads per inch
	metr. thread	threads per inch	Whitworth thread		
0,80	5	24	3/16 + 7/32	24	
1,00	6 + 7	20	1/4	20	
1,25	8 + 9	18	5/16	18	
1,50	10 + 11	16	3/8	16	
1,75	12	14	7/16	14	
2,00	14 + 16	12	1/2 + 9/16	13	
2,50	18, 20, 22	11	5/8 + 11/16	12	
3,00	24 + 27	10	3/4 + 13/16	11	

## Miscellaneous tools

# 13155



### All-purpose scissors

- scissor blades made from titanium-plated stainless steel
- clamp protection from stop buffers
- ideal for thin sheet metal, plastics, leather, cardboard, etc.
- with 2-component handles

Product no.	L mm	ΔΔ g
75271000	237	180

# 6630



### Cable shears

- for copper and aluminium cables
- simple, clean cut with one-handed operation
- special cutting geometry prevents pressure marks, and frayed ends
- adjustable joint
- with anti-squeeze protection
- not suitable for steel or armoured cables

Product no.	L mm	ΔΔ g
66305220	220	290

# 13148



### Wire cutters

- stainless steel scissor blades, 1 blade with serrated edge
- stop buffers offer clamp protection
- with 2-component handles

Product no.	L mm	ΔΔ g
75270003	150	93

# 12320



### Cable knife

- stainless blade with wire stripper

Product no.	L mm	Blade mm	ΔΔ g
77020000	111	90	78

# 12965



### Safety knife

- suitable for cutting cardboard, rubber, leather, wood, etc.
- adjustable blade length using sliding button
- spare blades can be stored in the handle
- blade change without additional tools
- body made of zinc casting
- with hanging hole

Product no.	L mm	ΔΔ g
77621001	174	200

# 12965-1



### Automatic safety knife

- suitable for cutting cardboard, rubber, leather, wood, etc.
- with automatic blade retraction
- spare blades can be stored in the handle
- blade change without additional tools
- body made of zinc casting
- with hanging hole

Product no.	L mm	ΔΔ g
77621002	174	197

# 12965R



### Spare blades

- for safety and automatic knives
- 5-pieces

Product no.	for model	L mm	ΔΔ g
79250001	12965, 12965-1	61	25

## 12965-2

**Snap-off blade cutter**

- suitable for cutting cardboard, rubber, leather, wood, etc.
- with 3 snap-off blades (1 blade mounted, 2 blades in magazine)
- slider with blade lock
- with blade breaker and protective cap
- with stainless steel sliding guide
- body made of zinc casting

Product no.	L mm	b mm	△△ g
77621003	145	9	60

## 12965-2R

**Snap-off blades**

- 10-pieces

Product no.	for model	L mm	b mm	△△ g
79251003	12965-2	104	9	26

## 12965-3

**Snap-off blade cutter**

- suitable for cutting cardboard, rubber, leather, wood, etc.
- with 3 snap-off blades (1 blade mounted, 2 blades in magazine)
- slider with blade lock
- automatic blade reload
- with a stainless steel blade guide and a hanging hole
- ergonomic design with synthetic rubber insert
- body made of zinc casting

Product no.	L mm	b mm	△△ g
77621004	168	18	249

## 12965-3R

**Snap-off blades**

- 10-pieces

Product no.	for model	L mm	b mm	△△ g
79251004	12965-3	117	18	75

## 12967

**Stripping knife with hooked blade**

- for round and longitudinal cuts of the outer insulation of the cable
- precise, fast and secure stripping of all common round cables
- infinitely variable cutting depth adjustment prevents damage to the internal wires

Product no.	∅ mm min.	∅ mm max.	△△ g
77620010	4	28	82



## 12967R

**Spare blades**

- for stripping knife with hooked blade

Product no.	for model	L mm	△△ g
79250010	12967	112	2

**MEASURING, MARKING, TESTING TOOLS.**

## 12321

**Scriber**

- with a knurled body
- 1 straight and 1 angled blade
- blades with gun metal finish

Product no.	L mm	△△ g
77100000	250	31

## 12322

**Tungsten carbide scriber**

- straight
- sturdy shank with carbide tip
- re-grindable
- holder with clip

Product no.	L mm	△△ g
77100001	150	40

## Miscellaneous tools

### 10554



#### EURO voltage tester

- design according to EN standard
- tested in accordance with the current VDE-GS standard
- with plastic handle and clip
- AC 100-250 V

Product no.	L mm	W mm	ΔΔ g
77450001	190	3.5	37

### 13110



#### Steel ruler

- metric-inch scales

Product no.	L mm	H mm	Divisions top edge °	Division bottom edge mm	ΔΔ g
77460001	300	1	$\frac{1}{16}, \frac{1}{32}, \frac{1}{64}$	0.5; 1	26

### 13112 2M

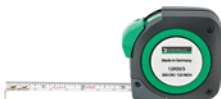


#### Folding ruler

- accuracy class III
- dual scales
- folding mechanism made of hardened steel
- dirt-resistant spring rod joint for high tension
- 90° angle lock on all links
- dual 180° display on each link
- water-resistant, scratch-resistant
- CE mark
- glass-fibre reinforced special plastic, painted black

Product no.	L m	W mm	H mm	ΔΔ g
77470003	2	36	16	105

### 12935



#### Tape measures

- with lock
- metric-inch scales

Product no.	L m	ΔΔ g
77040010	3	92
77040011	5	164

### 12900/4



#### Electronic tyre-tread caliper

- large LCD with excellent readability, digit height 9.5 mm
- display accuracy 0.01 mm/0.0005"
- on/off button
- unit of measure can be switched between mm/inch
- zeroing possible in any position
- incl. 1 x 3 V battery (type CR2032) packaged according to UN 3091, class 9

Product no.	Measuring range mm/°	ΔΔ g
77371005	25/1	60

### 12900/3



#### Tyre-tread caliper

- vernier 0.1 mm
- brass

Product no.	L mm	Measuring range mm	ΔΔ g
77371004	100	0-30	41

### 12900/1



#### Calipers digital

- with metal casing cover and metal push buttons
- mechanical parts in stainless, hardened steel
- including thumb wheel for the user to fit if required
- large LCD with excellent readability, digit height 9 mm
- display accuracy 0.01 mm/0.0005"
- fine-ground and lapped measuring tips
- on/off button
- with depth gauge
- unit of measure in mm or inch, zero position at any position
- incl. 2 x 3 V battery (type CR2032) packaged according to UN 3091, class 9
- in a sturdy plastic case

Product no.	L mm	Measuring range mm/°	ΔΔ g
77371002	250	150/6	312
91050002 *	250	150/6	302

\* 91050002 version as 77371002, but without battery  
(no hazardous goods)

## 12900



## Caliper

- metric-inch scales
- made of stainless steel
- vernier  $\frac{1}{20}$  mm and  $\frac{1}{128}$ "
- delivered in a pouch
- DIN 862

Product no.	Measuring range mm/"	△△ g
77371001	150/6	185

## 12665



## Screw pitch gauges

- for 0.25 to 6 mm and 4 to 62 t.p.i (metric/Whitworth threads)

Product no.	Number of blades	△△ g
77270003	52	70

## REWORKING TOOLS.

## 12615



## Nut splitters

- galvanised
- mechanical
- for releasing stuck or overtightened nuts up to grade 8
- prevents damage to the thread
- while the spindle is being screwed in, the nut splitter body must be prevented from twisting with a combination wrench
- cutting edge made of high-grade alloy steel

Product no.	Model	for nuts mm	max. torque N·m	△△ g
71250011	12615/1	10-18	40	193
71250012	12615/2	19-27	60	386

## 900



## Screw extractors EXTRACTOR

- extraction tool for removing damaged screws or threaded bolts
- with square drive
- for right-hand threads

Product no.	for screws	L mm	■ mm	■ "	recom- mended drill size	△△ g
71010001	M3-M4 $\frac{1}{8}$ - $\frac{5}{32}$ "	49	3	$\frac{1}{8}$	2 mm $\frac{5}{64}$ "	3
71010002	M5-M7 $\frac{3}{16}$ - $\frac{1}{4}$ "	54	3.4	$\frac{9}{64}$	3 mm $\frac{7}{64}$ "	6
71010003	M8 $\frac{5}{16}$ "	59	4.9	$\frac{3}{16}$	5 mm $\frac{3}{16}$ "	12
71010004	M10-M12 $\frac{3}{8}$ - $\frac{7}{16}$ "	65	7	$\frac{9}{32}$	6.4 mm $\frac{1}{4}$ "	25
71010005	M14-M16 $\frac{1}{2}$ - $\frac{9}{16}$ "	88	9	$\frac{23}{64}$	8 mm $\frac{5}{16}$ "	50
71010006	M18-M22 $\frac{3}{8}$ - $\frac{3}{4}$ "	95	12	$\frac{31}{64}$	12 mm $\frac{19}{32}$ "	103

## 900/6T



## Screw extractor set EXTRACTOR

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

## Contains 6-pieces:

6 screw extractors **No. 900**: M3-M4; M5-M7; M8-M11; M10-M12; M14-M16; M18-M22

Product no.	Content pcs.	△△ g
96710101	6	230

## 901



## Screw extractors

- extraction tool for removing damaged screws or threaded bolts
- with hex drive
- with centre punch and double cutting edge
- suitable for right-hand and left-hand threads

Product no.	for screws	L mm	● mm	● "	recommended drill size	△△ g
71050001	$\frac{3}{16}$ - $\frac{1}{4}$ " M5-M6	60	6.35	$\frac{1}{4}$	3.2 mm $\frac{1}{8}$ "	6
71050002	$\frac{5}{16}$ - $\frac{3}{8}$ " M8-M10	67	9.5	$\frac{3}{8}$	4.8 mm $\frac{3}{16}$ "	16
71050003	$\frac{7}{16}$ - $\frac{1}{2}$ " M10-M12	75	12.7	$\frac{1}{2}$	6.4 mm $\frac{1}{4}$ "	30
71050004	$\frac{1}{2}$ - $\frac{9}{16}$ " M12-M16	90	15.9	$\frac{5}{8}$	9.5 mm $\frac{3}{8}$ "	60
71050005	$\frac{5}{8}$ - $\frac{3}{4}$ " M16-M20	90	19	$\frac{3}{4}$	11.1 mm $\frac{7}{16}$ "	100

Miscellaneous tools

## 901/5T



### Screw extractor set

- in a sturdy polyester textile case with hook-and-loop fastener
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 5-pieces:

5 screw extractors **No. 901**:  $\frac{3}{16}$ - $\frac{1}{4}$ " M5-M6;  $\frac{5}{16}$ - $\frac{3}{8}$ " M8-M10;  $\frac{7}{16}$ - $\frac{1}{2}$ " M10-M12;  $\frac{1}{2}$ - $\frac{9}{16}$ " M12-M16;  $\frac{5}{8}$ - $\frac{3}{4}$ " M16-M20

Product no.	Content pcs.	⚖ g
96710505	5	248

## 905/25



### Thread extractor set

- M5-M16,  $\frac{3}{16}$ - $\frac{5}{8}$ "
- in a black plastic cassette

#### Contains 25-pieces:

5 HSS high performance spiral drills (3.2; 4.8; 6.4; 8; 8.7 mm)  
 5 extraction pins made from special steel size 1-5 for threads M5-M16  
 5 extraction nuts size 1-5  
 10 drill bits size 1-10

Product no.	for threads	Content pcs.	⚖ g
96713025	M5-M16	25	605

## 906

### Spare parts

- 1 extraction pin and 1 extraction nut each packaged in a plastic bag

Product no.	Model	for model	for threads	⚖ g
71310001	906/1	905/25	M5-M6 $\frac{3}{16}$ - $\frac{1}{4}$ "	5
71310002	906/2	905/25	M7-M8 $\frac{1}{4}$ - $\frac{5}{16}$ "	10
71310003	906/3	905/25	M10 $\frac{3}{8}$ "	33
71310004	906/4	905/25	M12 $\frac{7}{16}$ "	46

## 12915



### Ratchet tap holders

- with 2-jaw chuck for fixed clamping of square shanks
- switchable for right and left-hand operation as well as 'fixed'
- made completely of steel, chrome-plate

Product no.	Size	Span mm	for threads	L mm	⚖ g
77390001	1	2,0-5,0	M3-M8	85	180
77390002	2	4,6-8	M5-M12	110	305



## INSPECTION TOOLS.

### 12920N



#### Telescopic mirror

- extendable, non-twisting telescopic pole with folding mirror
- ball joint (swivels 180°), self-clamping
- ergonomically shaped non-slip handle

Product no.	Mirror dimensions mm	L mm	W mm	H mm	△△ g
77401001	65 x 43	310-750	43	35	65

### 12920N R1



#### Replacement mirror

Product no.	for model	Mirror dimensions mm	△△ g
79401001	12920N	65 x 43	39

### 12921M



#### Telescopic stainless steel mirrors

- unbreakable stainless steel mirrors (FOD-prevention)
- no screw connections (FOD-prevention)
- stainless steel telescopic arm
- ball joint (swivels 180°), self-clamping
- special chemical resistant plastic handle allows for firm grip and safe working

Product no.	Mirror dimensions mm	L mm	△△ g
77401032	∅ 32	171-699	60
77401045	45 x 70	178-927	76
77401057	∅ 57	178-921	70
77402550	25 x 50	178-914	59

### 12921N



#### Telescopic mirrors

- extendable, non-twisting telescopic pole with folding mirror
- ball joint (swivels 180°), self-clamping
- ergonomically shaped non-slip handle

Product no.	Mirror dimensions mm	L mm	△△ g
77401030	∅ 30	265-705	108
77401040	∅ 40	275-715	115
77401050	∅ 50	285-725	110
77401060	∅ 60	295-735	130

### 12921NR



#### Replacement mirrors

Product no.	for model	Mirror dimensions mm	△△ g
79401030	12921N 30	∅ 30	10
79401040	12921N 40	∅ 40	15
79401050	12921N 50	∅ 50	20
79401060	12921N 60	∅ 60	27

### 13120N



#### Telescopic mirror

- with lighting (LED) and batteries (approx. 150 hours of light)
- for inspection of hard to reach joints
- the LED light source is removable and can be used separately as a penlight
- mirror with 5x magnification
- with a non-rotating oval telescopic rod

Product no.	Mirror dimensions mm	L mm	△△ g
77480002	∅ 55	310-750	235

Miscellaneous tools

## 13120R



### Replacement concave mirror

Product no.	for model	Mirror dimensions mm	ΔΔ g
79401055	13120N	Ø 55	22

## 12600



### Magnetic lifters

- flexible magnetic lifter with ergonomically shaped handle
- for use in the workshop, industry, and household
- enables the recovery of nuts, bolts, and other small metallic parts from tight spaces

Product no.	Lifting capacity g	L mm	Ø mm	ΔΔ g
77260027 <sup>1</sup>	270	500	5	30
77260025	500	460	8	70
77260060	1800	525	15	230
77260200	3000	535	19	297

<sup>1</sup> Mini magnet lifter with extremely small yet very powerful head

## 12601



### Pen magnet lifter

- enables the recovery of nuts, bolts, and other small metallic parts from tight spaces
- telescopic extension increases the possible applications
- strong neodymium magnet with impressive lifting capacity
- made of high-quality galvanised brass
- the clip allows the magnetic lifter to be attached to shirt pockets, for example
- the built-in scriber is protected by a cap

Product no.	Lifting capacity g	L mm	Ø mm	ΔΔ g
77260026	500	150 - 660	6	26

## 650 MS



### Magnetic tray

- easy attachment with rubberised magnetic base
- for bolts, nails, bits, and other small metallic parts
- chrome-plated steel
- resistant to water as well as weak acids and alkalis

Product no.	H mm	Ø mm	ΔΔ g
90432779	22	108	190

## 12922



### Claw lifters

- flexible body with ergonomically shaped handle
- for use in the workshop, industry, and household
- enables the recovery of nuts, bolts, and other small parts from tight spaces

Product no.	L mm	Ø mm	ΔΔ g
77401103	540	6	113
77407203	540	8	148

## 13130



### Tweezers

- straight
- with rounded tips
- fine-toothed jaws
- special steel, stainless

Product no.	L mm	W mm	ΔΔ g
77500001	160	13	26

## 13131



### Tweezers

- curved
- with rounded tips
- fine-toothed jaws
- special steel, stainless

Product no.	L mm	W mm	ΔΔ g
77510001	155	15	30

## TORCHES AND CONSTRUCTION TOOLS.

### 13124



#### Torch

- Ex-rated for zone 0, 20
- powerful, extremely durable 2 watt LEDs
- sturdy, electrically non-conductive, corrosion-resistant housing made of ABS/polycarbonate
- high impact resistance and reduced glare due to rubberised light head
- consistently bright beam for more than 80% of the life of the alkaline batteries due to eLED electronics
- adjustable beam (narrow and wide) by turning of the head piece
- rubberised front pressure switch for permanent and temporary light
- waterproof to IP68 in water depths up to 3 m
- hydrogen scrubber catalyst, battery contacts with polarity indicator, and a pressure equalisation valve reduce the risk of explosion
- quick change battery compartment for quick battery replacement
- brightness: 165 lm (wide), 122 lm (narrow)
- lighting range: 232 m (wide), 387 m (narrow)
- lighting duration: 5 hours
- batteries: 4 batteries AA/LR06, alkaline, 1.5 V (not included in delivery)
- certifications: SEV 17 ATEX 0158 X, II 1G Ex ia op is IIC T4 Ga, II 1D Ex ia op is IIIC T75°C Da

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490010	165, 122	157.5	35.6	40.6	60

### 13128



#### Torch

- high-end power LED
- rapid change of the light beam between spot light and flood light by single-handed slide mechanism
- switch with easy-grip profile for switching between continuous light in 2 brightness levels and flashing
- quick change battery holder for quick replacement of batteries
- brightness: 320 lm
- lighting range: 260 m
- lighting duration: up to 50 hours
- batteries: 4 AAA/LR03 micro-batteries, 1.5 V (not included)
- CE and UKCA certified

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490006	320	130	37	37	250

### 13126-2



#### Penlight

- Ex-rated for zone 1
- powerful, extremely durable LEDs
- sturdy, electrically non-conductive, corrosion-resistant housing made of ABS/polycarbonate
- high impact resistance and reduced glare due to rubberised light head
- consistently bright beam for more than 80% of the life of the alkaline batteries due to eLED electronics
- rubberised front pressure switch for permanent and temporary light
- easy storage with built-in clip holder close to the lamp head
- waterproof to IP67 in water depths up to 1 m
- brightness: 40 lm
- lighting range: 67 m
- lighting duration: 2.5 hours
- batteries: 2 micro-batteries AAA/LR03, alkaline, 1.5 V (not included)
- certifications: II 2G Ex ib IIB T4 Gb, II 2D Ex ib IIIC T60 °C Db, SEV 11 ATEX 0174 X

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490012	40	132	22	24	55

### 13126-3



#### Headlamp

- Ex-proof for zones 0, 1, 2, 21, 22
- waterproof design for use in all weather conditions
- 3 selectable beam shapes: spot, scatter light and red scatter light
- 3 switchable power levels
- large switch can also be operated with thick gloves
- the LED lamp module is removable and can be used as a portable work light
- swivel button to adjust beam angle - no flimsy hinge
- with adjustable elastic textile strap
- durable, high-impact ABS/polycarbonate design
- waterproof to IP68 in water depths up to 10 m
- brightness/lighting duration: 250 lm at 3.7 h, 130 lm at 9.3 h, 60 lm at more than 30 h
- lighting range: 71/47/30 m (white), 15/10/6 m (red)
- permissible operating temperature range: -20 °C to +40 °C
- batteries: 3 batteries AAA/LR03, alkaline, 1.5 V (not included)
- certifications: SEV 21 ATEX 0528 X, II 1G Ex ia IIC T4 Ga, II 2D Ex ia IIIC T55°C Db

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490013	250, 130, 60	76	38	45	81

## Miscellaneous tools

### 13132



#### Torch

- handy, compact design
- high-performance reflector system
- brightness: 130 lm
- lighting range: 75 m
- lighting duration: up to 4 h
- sturdy aircraft-grade aluminium body
- with practical clip
- protection class: IP54
- incl. 2 AAA 1.5 V batteries

Product no.	Brightness lm	L mm	Ø mm	⚖ g
77490014	130	138	15	55.5

### 13134



#### Work light

- compact design
- 4.5 W COB-LED
- adjustable brightness with 3 brightness levels: short-term boost (500 lm) / 100% (300 lm) / 30% (100 lm)
- lighting duration/brightness: 1.5 hours (300 lm) / 3 hours (100 lm)
- lighting range: max. 26 m
- rechargeable via USB-C connection
- charging time approx. 2.5 h
- integrated Li-ion battery 3.7 V/600 mah/2.22 Wh
- charging indicator light
- with carabiner for attaching to belts or bags
- for fastening to metal surfaces with holding magnet and magnetic base
- water and impact-proof housing
- protection class: IK07/IPX3
- accessories: USB-C charging cable (100 cm)

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490016	500	21	12	89	35

### 13136 SL



#### Penlight

- handy, compact version
- adjustable brightness with 3 brightness levels: short-term boost (850 lm) / 100 % (500 lm) / 50 % (250 lm)
- optimal focusing with the rotatable head
- lighting duration/brightness: 1.5 h (500 lm) / 3 h (250 lm)
- lighting range: max. 64 m
- rechargeable via USB-C connection
- charging time: approx. 2 h
- integrated Li-ion battery 3.7 V/720 mAh/2.664 Wh
- with charging indicator light
- with practical clip
- robust aluminium body
- protection class: IK05/IP65
- accessories: USB-C charging cable (100 cm)

Product no.	Brightness lm	L mm	Ø mm	⚖ g
77490017	850, 500, 250	148	19,5	72

### 13137 KL



#### Headlamp

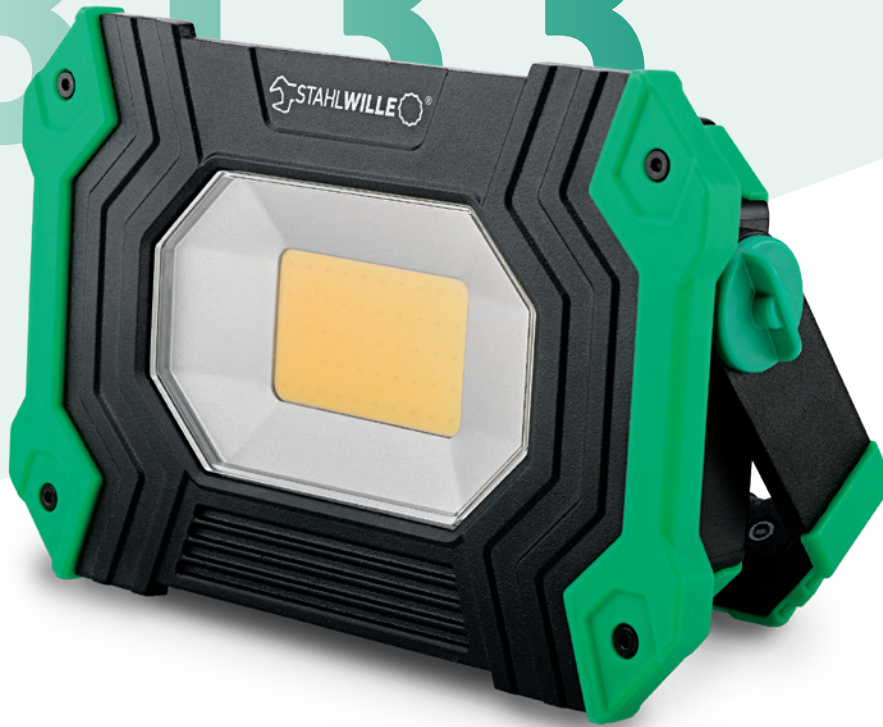
- adjustable brightness with 3 brightness levels and additional spot: 100 % (450 lm) / 25 % (110 lm) / 8 lm / spot (60 lm)
- lighting duration/brightness: 1.5 h (450 lm) / 4 h (110 lm) / 12 h (8 lm) / 9.5 h (60 lm)
- lighting range: max. 45 m
- lighting duration: up to 9.5 hours
- rechargeable via USB-C connection
- charging time: approx. 2.5 h
- integrated Li-ion battery 3.7 V/1,200 mAh/4.44 Wh
- with charge control, battery status, charging and warning indicator
- with practical sensor control
- protection class: IP20
- accessories: USB-C charging cable (100 cm)

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490018	450, 110, 60	320	32	27	99,5

# STAHLWILLE CORDLESS SPOTLIGHTS –

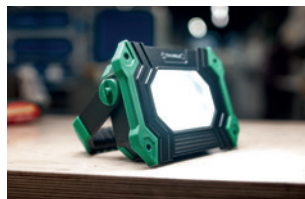
For more safety and comfort.

# 13133



## Flexible.

The 180° fully adjustable handle can also be used as a sturdy stand for precise illumination of the work area. The magnetic holder enables secure attachment to metal surfaces. The spotlight can also be hung by a rotatable hook.



## Strong.

The powerful LED spotlight achieves a luminosity of up to 2,800 lumens, adjustable in three brightness levels: 100 % / 50 % / 25 %.

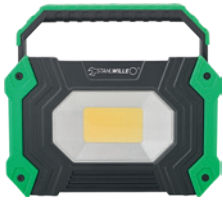


## Customised.

Our spotlight is suitable for both indoor and outdoor use. Its shock-resistant housing with rubberised edges is dust and water spray resistant (IP64 certified).

## Miscellaneous tools

### 13133



#### Work spotlight

- practical light source for home, hobby, trade, or industry
- 30 W COB-LED
- adjustable lighting modes with 3 brightness levels: 100% (2,800 lm) / 50% (1,400 lm) / 25% (700 lm)
- lighting time/brightness: 3 h (2,800 lm) / 7 h (1,400 lm) / 13 h (700 lm)
- lighting range: max. 61 m
- rechargeable via USB-C connection
- charging time: approx. 8 h
- integrated Li-ion battery 3.7 V/6,600 mAh/24.42 Wh with safety electronics
- with charge control and battery status indicator
- 180° adjustable handle/carry handle
- the magnetic holder enables secure attachment to metal surfaces.
- swivel hook for hanging
- suitable for indoor and outdoor use (IP64 certified)
- compact and flat storage

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490015	2800, 1400, 700	129	177	44	700

### 13138 HL



#### Hand lamp

- adjustable brightness with 2 brightness levels: 100 % (1,000 lm) / 50 % (380 lm)
- additional top LED with 180 lm
- lighting duration/brightness: 2.5 h (1,000 lm) / 4.5 h (380 lm) / 7 h (180 lm)
- lighting range: max. 60 m
- lighting duration: up to 7 h
- rechargeable via USB-C connection
- charging time: approx. 4 h
- integrated Li-ion battery 3.7 V/2,600 mAh/9.62 Wh
- with charge control and battery status indicator
- for attachment to metal surfaces with integrated magnets
- 2 hooks rotatable through 360° for hanging
- protection class: IK07/IP54
- accessories: USB-C charging cable (100 cm)

Product no.	Brightness lm	L mm	W mm	H mm	⚖ g
77490019	1000, 380	266	48	32	340

### 13139 DL



#### Duo work spotlight

- 2 fold-out 36 W SMD LED modules (can be swivelled and rotated 180°)
- adjustable brightness with 3 brightness levels: 100% (11,500 lm) / 50% (5,750 lm) / 20% (2,000 lm)
- lighting duration/brightness: 1.5 h (11,500 lm) / 3 h (5,750 lm) / 6 h (2,000 lm)
- lighting range: max. 21 m
- switch for changing light colours: 4,000K (3,500 lm in mains operation), 6,500K (3,700 lm in mains operation)
- lighting duration: up to 6 h
- dual power supply with mains and battery operation
- rechargeable via USB-A connection
- charging time: approx. 3 h
- integrated Li-ion battery pack 14.8 V/4,000 mAh/29.6 Wh with safety electronics
- with power bank function
- charging control, warning and remaining capacity display
- height-adjustable tripod: 1,171–1,980 mm, with handle, cable reel and ground spikes
- removable light head with 2 rotating hooks and 4 holding magnets
- protection class: IK07/IPX4
- accessory: power supply unit with 5 m cable

Product no.	Brightness lm	variable height mm	⚖ g
77490020	11.500/ 5.750/ 2.000	max. 1980	5960



**245****Beton hooks**

- suitable for fixing plasterboards to wall pillars, etc.
- with fixed strap
- forged, hardened tip
- galvanised
- storage in a bucket

Product no.	L mm	W mm	Content pcs.	⚖ g
87245005	150	85	150	170
87245006	150	115	100	210
87245010	210	85	100	210
87245011	210	115	50	250
87245012	340	160	50	540

**2450****Beton hooks**

- suitable for fixing plasterboards to wall pillars, etc.
- with moveable strap
- forged, hardened tip
- galvanised
- storage in a bucket

Product no.	L mm	W mm	Content pcs.	⚖ g
87245015	150	85	150	170
87245016	150	115	100	210
87245020	210	85	100	210
87245021	210	115	50	250
87245022	340	160	50	540

**246****Cord pins**

- suitable for tensioning strings to achieve straight cuts in tiling and paving work
- forged, hardened tip
- galvanised
- storage in a bucket

Product no.	L mm	Content pcs.	⚖ kg
87246005	150	300	29
87246010	340	200	34

**VBW 12481****Putty knife**

- beech wood handle

Product no.	L mm	W mm	⚖ g
77070000	212	60	65

**WORKSHOP ACCESSORIES.****12251****Oil can**

- made of plastic

Product no.	Capacity	⚖ g
77110002	0.25	60

**12250****Oil spray can**

- made of metal
- with brass pump

Product no.	Capacity	⚖ g
77010001	0.5	275

**11**



# 12 VDE tools

494 **VDE tool assortments and sets**

496 **VDE spanners**

497 **VDE drive parts**

499 **VDE sockets**

500 **VDE screwdrivers**

504 **VDE pliers**

506 **VDE workshop equipment and storage**



# STAHLWILLE VDE TOOLS – Outstanding, even under high voltage.

STAHLWILLE's VDE programme enables safe and efficient work under voltages of up to 1,000 volts. Certified according to strict VDE standard, the tools combine an application-optimised product design, high-quality materials, low tolerances, excellent ergonomics and long service life with durable and long-lasting protective insulation.

# SAFE



## Reliable.

The insulating plastic sheath of the MANOSKOP® 730 VDE provides reliable protection up to 1,000 volts, and is still non-slip, abrasion-resistant and resistant to diluted alkaline solutions, hydrocarbons, fuels and oils.

## Adjustable.

Quick adjustment without disassembly – the adjusting screws are quickly and easily accessible using resealable openings. Once adjusted, the tool does not need to be sent in or checked again.

## Quick.

Thanks to QuickSelect, the target torque is set in no time at all. It is also extremely accurate, as it can be read off in very precise increments on the secondary fine scale.



## Versatile.

The entire STAHLWILLE VDE programme includes more than 130 products. Spanners, fine-tooth ratchets, torque wrenches, pliers and a variety of sockets – individually or neatly stored in the set box or case.



MADE IN CRONENBERG  
MADE IN GERMANY

## Flexible.

With the MANOSKOP® 730 VDE, the user can change the ratchet insert adaptor ( $\frac{3}{8}$ ", 9 x 12 mm) without the need for a new dielectric breakdown test!



## Wear-resistant.

The low-wear release system with bending beam works without a spring, and therefore does not require the torque wrench to be reset to '0'. This is the guarantee of consistently reliable measurement results, and saves time.



## VDE TOOL ASSORTMENTS AND SETS.

### 13300 VDE



#### VDE tool set

- basic tool equipment for all electrical work  
(for a detailed description of the case, see 13302/TR VDE)

#### Contains 48-pieces:

- 14 VDE sockets with bi-hex  $\frac{3}{8}$ " **No. 12171 VDE**: 7; 8; 9; 10; 11; 12; 13; 14; 16; 17; 18; 19; 20; 22 mm
- 3 VDE screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 12174 VDE**: T20; T25; T30
- 2 VDE screwdriver sockets XZN®  $\frac{3}{8}$ " **No. 12175 VDE**: M8; M10
- 3 VDE extensions  $\frac{3}{8}$ " **No. 12167 VDE**: L. 94; 178; 258 mm
- 1 VDE QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 12165 VDE**: L. 205 mm
- 4 VDE slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75; 0.5 x 3.0 x 100; 0.6 x 3.5 x 100; 0.8 x 4.0 x 100 mm
- 3 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2; PH3
- 6 VDE TORX® screwdrivers **No. 4675 VDE**: T8; T10; T15; T20; T25; T30
- 1 VDE combination pliers **No. 6700 VDE**: L. 200 mm
- 1 VDE telephone pliers **No. 6730 VDE**: L 160 mm
- 1 VDE telephone pliers **No. 6731 VDE**: L. 200 mm
- 1 VDE water pump pliers **No. 6551 VDE**: L 250 mm
- 1 VDE side cutters **No. 6720 VDE**: L. 180 mm
- 1 VDE cable shears **No. 6630 VDE**: L. 220 mm
- 1 VDE cable knife **No. 12188 VDE**: Blade l. 40 mm
- 1 VDE barrier tape **No. 12191 VDE**: L. 500 m
- 1 VDE warning sign **No. 12192 VDE**
- 1 VDE prohibition sign **No. 12193 VDE**
- 5 VDE grommets with clamping cap **No. 12194 VDE**
- 5 VDE grommets with clamping cap **No. 12195 VDE**
- 1 VDE tool box, mobile **No. 13302/TR VDE**

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
96838193	520	450	285	48	12.68

### 13302/TR VDE



#### VDE tool box

- smooth-running castors and integrated telescopic handle for convenient transport
- robust ABS case shells
- ergonomically designed carrying handle
- robust aluminium frame with impact edge protection
- 2 lockable flip-locks and a professional combination lock
- variable bottom section (2 aluminium dividers)
- 2 removable tool cards (with 15 and 22 slots)
- separate document compartment in lid
- max. load capacity: 30 kg

Product no.	L mm	W mm	H mm	⚖️ kg
81620026	520	280	470	7



## 13215/19 VDE



### VDE MultiUse tool set

#### Key features of the backpack trolley

- sturdy tool backpack with reinforced base
- flexible use as a trolley or a backpack
- with smooth-running castors and telescopic handle for convenient transport
- padded straps for use as a backpack
- 2 easily removable tool cards for easy access to the most frequently used tools
- front pockets for documents and accessories
- padded notebook compartment (up to 15")

#### Contains 19-pieces:

- 1 VDE diagonal cutting pliers **No. 6720 VDE**: L 160 mm
- 1 VDE telephone pliers with cutting edge **No. 6730 VDE**: L. 200 mm
- 1 VDE wire strippers **No. 6780 VDE**: L 160 mm
- 1 engineer's hammer **No. 10961**: 300 g
- 1 grooving chisel **No. 110**: L. 240 mm
- 4 VDE slotted screwdrivers **No. 4661 VDE**: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm
- 2 VDE PH cross-head screwdrivers **No. 4666 VDE**: PH1; PH2
- 2 VDE PZ cross-head screwdrivers **No. 4671 VDE**: PZ1; PZ2
- 5 VDE TORX® screwdrivers **No. 4676 VDE**: T10; T15; T20; T25; T30
- 1 wooden folding ruler **No. 13112**: L. 2 m

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
98810303	250	380	520	19	7.24

## 12171/19/4 VDE



### VDE socket set

- in a sturdy, stackable ABS plastic box

#### Contains 23-pieces:

- 14 VDE sockets with bi-hex  $\frac{3}{8}$ " **No. 12171 VDE**: 7; 8; 9; 10; 11; 12; 13; 14; 16; 17; 18; 19; 20; 22 mm
- 3 VDE screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 12174 VDE**: T20; T25; T30
- 2 VDE screwdriver sockets XZN®  $\frac{3}{8}$ " **No. 12175 VDE**: M8; M10
- 3 VDE extensions  $\frac{3}{8}$ " **No. 12167 VDE**: L. 94; 178; 258 mm
- 1 VDE QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 12165 VDE**: L. 205 mm

Product no.	L mm	W mm	H mm	Content pcs.	⚖️ kg
96022020	470	274	80	23	3.06

## TCS 12171/19/4 VDE



### VDE tool set

- safely integrated in the modular Tool Control System (TCS)

#### Contains 23-pieces:

- 14 VDE sockets with bi-hex  $\frac{3}{8}$ " **No. 12171 VDE**: 7; 8; 9; 10; 11; 12; 13; 14; 16; 17; 18; 19; 20; 22 mm
- 3 VDE screwdriver sockets TORX®  $\frac{3}{8}$ " **No. 12174 VDE**: T20; T25; T30
- 2 VDE screwdriver sockets XZN®  $\frac{3}{8}$ " **No. 12175 VDE**: M8; M10
- 3 VDE extensions  $\frac{3}{8}$ " **No. 12167 VDE**: L. 94; 178; 258 mm
- 1 VDE QuickRelease fine-tooth ratchet  $\frac{3}{8}$ " **No. 12165 VDE**: L. 205 mm

Product no.	L mm	W mm	H mm	Division	Content pcs.	⚖️ kg
96830041	350	350	45	2/3	23	2.1

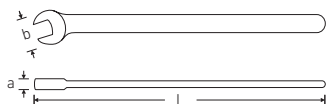
## VDE SPANNERS.

### 12160 VDE



#### VDE open-ended spanners

- metric spanner sizes
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, chrome-plated



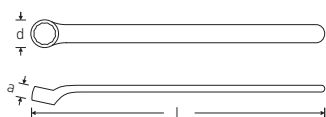
Product no.	mm	L mm	a mm	b mm	g
44180010	10	140.7	10.5	26	48
44180013	13	166.4	11.5	32.5	80
44180014	14	181	11.5	34.5	88
44180017	17	200	12.5	40	146
44180019	19	218	13	44.5	184
44180022	22	248	13.5	50	254

### 12161 VDE



#### VDE single-ended ring spanners

- metric spanner sizes
- bi-hex with AS-Drive profile
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, chrome-plated



Product no.	mm	L mm	a mm	d mm	g
44190010	10	147.6	13	19.6	48
44190013	13	171.2	15	23.6	82
44190014	14	184.1	15	25.1	82
44190017	17	208.3	17	29.1	144
44190019	19	227.1	18	32	190
44190022	22	254.2	19	36.3	238

### TCS 12160 VDE



#### VDE open-ended spanner set

- metric spanner sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

6 VDE open-ended spanners **No. 12160 VDE:** 10; 13; 14; 17; 19; 22 mm

Product no.	L mm	W mm	H mm	Division	Content pcs.	g
96830042	350	175	30	1/3	6	900

### 12160/6 VDE



#### VDE open-ended spanner set

- metric spanner sizes
- in rugged polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 6-pieces:

6 VDE open-ended spanners **No. 12160 VDE:** 10; 13; 14; 17; 19; 22 mm

Product no.	Content pcs.	g
96404301	6	950



## 12161/6 VDE



### VDE single-ended ring spanner set

- metric spanner sizes
- in rugged polyester roll-up tool pouch with hook-and-loop fastener
- mesh inserts allow visibility of the tools
- a compact storage solution to keep your tools safe
- embroidered STAHLWILLE logo

#### Contains 6-pieces:

6 VDE single-ended ring spanners **No. 12161 VDE:** 10; 13; 14; 17; 19; 22 mm

Product no.	Content pcs.	△△ g
96404302	6	430

## TCS 12161 VDE



### VDE single-ended ring spanner set

- metric spanner sizes
- safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

6 VDE single-ended ring spanners **No. 12161 VDE:** 10; 13; 14; 17; 19; 22 mm

Product no.	L mm	W mm	H mm	Content pcs.	△△ g
96830045	350	175	40	6	885

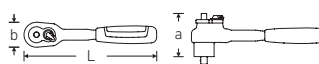
## VDE DRIVE PARTS.

### 12165 VDE



### VDE QuickRelease fine-tooth ratchet

- 3/8" external square output
- reversible
- 80 teeth
- with QuickRelease security lock
- with a double insulated plastic shell for work with voltage
- with a working angle of just 4.5°, for working in tight spaces
- FOD-preventive due to screwless design
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- with 2-component handle



Product no.	□	L mm	a mm	b mm	∠	△△ g
12430001	3/8	197	61	37	4.5°	298



### 80 teeth, capable of withstanding 1,000 V.

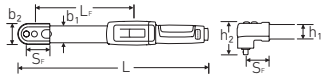
The 3/8" VDE fine-tooth ratchet features the compact shape, perfect functionality and ergonomics of STAHLWILLE fine-tooth ratchets and offers optimum voltage protection in accordance with VDE standards.

## 730R VDE

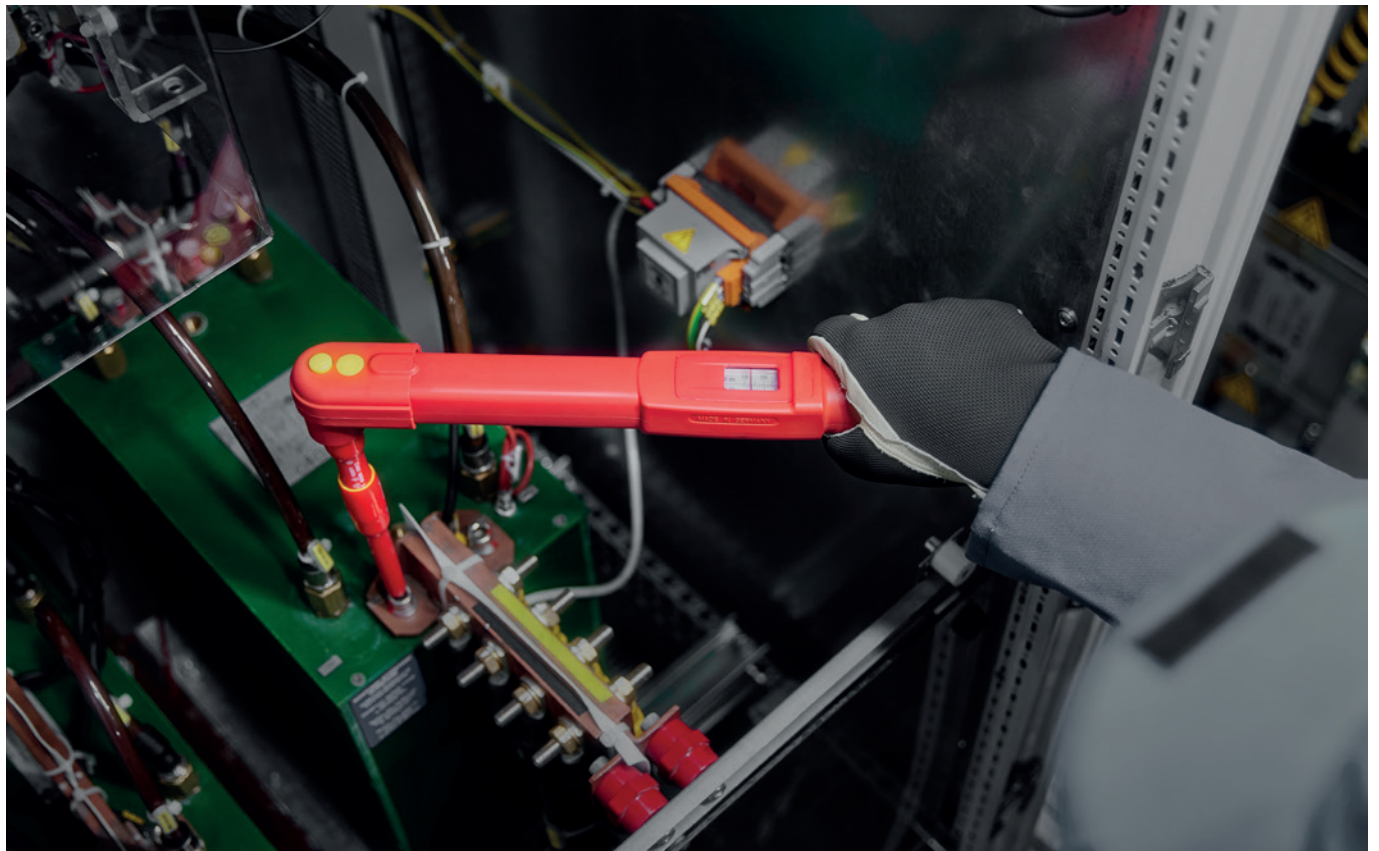


### VDE torque wrenches MANOSKOP®

- tactile dual stop signal
- with  $\frac{3}{8}$ " ratchet insert (tool holder 9 x 12 mm)
- replace the ratchet adaptor 725QR VDE without having to check the insulation again
- no reset to '0' required, since measuring element is only loaded during tightening
- with QuickRelease safety lock
- fast, precise adjustment with QuickSelect quick adjustment
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- with insulating sleeve made of glass-fibre reinforced polyamide plastic
- the insulation is resistant to many liquids such as alkalis, fuels or oils
- double scale of N·m/ft·lb resp. N·m/in·lb
- low-wear triggering mechanism
- readjustment without disassembly and without checking the insulation again
- calibration certificate in accordance with DIN EN ISO 6789-2:2017
- **accuracy  $\pm 3\%$**



Product no.	Size	N·m			ft·lb			in·lb			L mm	b <sub>1</sub> mm	b <sub>2</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	L <sub>F</sub> mm	S <sub>F</sub> mm	Weigh kg
		4-25	-	40-220	2	-	10	0.2 N·m	337	35								
96550125	2.5	4-25	-	40-220	2	-	10	0.2 N·m	337	35	45	30	56	253.5	28	1.19		
96550150	5	10-50	7-37	-	5	1	-	0.25 N·m	391.5	35	45	30	56	308.5	28	1.37		



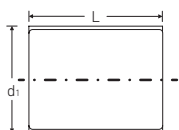
## VDE SOCKETS.

### 12171 VDE



#### VDE sockets

- bi-hex with AS-Drive profile
- 3/8" internal square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- HPQ® high performance steel, chrome-plated



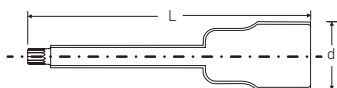
Product no.	Ø mm	L mm	d <sub>1</sub> mm	△△ g
02380007	7	42	15,5	24
02380008	8	43	16,7	26
02380009	9	43	18	28
02380010	10	45	19,3	28
02380011	11	45	20,6	29
02380012	12	46	21,9	36
02380013	13	48	23	36
02380014	14	48	24,4	40
02380016	16	49	26,7	48
02380017	17	49	28	54
02380018	18	50	29,2	58
02380019	19	50	30,2	58
02380020	20	52	31,2	68
02380022	22	53	33,7	78

### 12175 VDE



#### VDE screwdriver sockets

- for trisquare screws XZN®
- 3/8" internal square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, gun metal finish



Product no.	Size	L mm	Ø (d) mm	△△ g
02370006	M6	136	23	100
02370008	M8	136	23	98
02370010	M10	136	23	122

### 12174 VDE



#### VDE screwdriver sockets

- for recessed TORX® screws
- 3/8" internal square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, gun metal finish



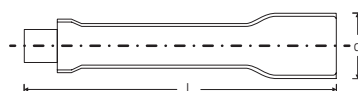
Product no.	Size	L mm	Ø (d) mm	△△ g
02390020	T20	67	22,8	52
02390025	T25	67	22,8	52
02390030	T30	67	22,8	54
02390040	T40	67	22,8	56
02390045	T45	67	22,8	58

### 12167 VDE



#### VDE extensions

- 3/8" internal square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, chrome-plated



Product no.	Size	"	L mm	Ø (d) mm	△△ g
12420001	3	3/8	94	23	84
12420002	6	3/8	178	23	162
12420003	10	3/8	258	23	224

### 432 VDE



#### VDE square drive adaptor

- 3/8" to 1/2"
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- HPQ® high performance steel, chrome-plated

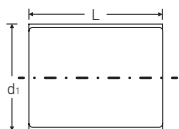
Product no.	"	L mm	Ø (d) mm	△△ g
12030005	1/2	68	22,6	84

## 12179 VDE



### VDE sockets

- bi-hex with AS-Drive profile
- 1/2" internal square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- HPQ® high performance steel, chrome-plated



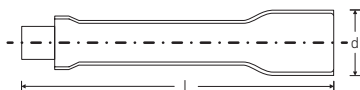
Product no.	Ø mm	L mm	d <sub>1</sub> mm	Δ g
03370010	10	56	19,5	60
03370011	11	56	20,8	64
03370012	12	56	22	64
03370013	13	56	23,3	64
03370014	14	56	24,9	70
03370017	17	56	29	82
03370019	19	56	31,2	94
03370022	22	60	34,7	116
03370024	24	60	37	130

## 12177 VDE



### VDE extensions

- 1/2" square drive
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- Chrome Alloy Steel, chrome-plated



Product no.	Size	"	L mm	Ø (d) mm	Δ g
13420001	3	1/2	93	27	130
13420002	5	1/2	148	27	206
13420003	10	1/2	273	27	380

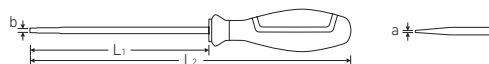
## VDE SCREWDRIVERS.

### 4660 VDE



### VDE electrician's slotted screwdrivers DRALL+

- for slotted screws
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel



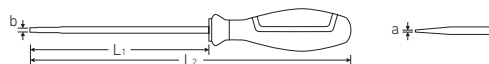
Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46603025	1	0.4	2.5	75	160	20
46603030	2	0.5	3	100	185	39
46603035	3	0.6	3.5	100	205	42
46603040	4	0.8	4	100	205	46
46603055	5	1.0	5.5	125	240	93
46603065	6	1.2	6.5	150	265	120
46603080	7	1.2	8	175	300	170

### 4661 VDE



### VDE slotted screwdrivers DRALL+

- for slotted screws
- reduced blade diameter to reach deep joints
- blade with integrated protective insulation
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel

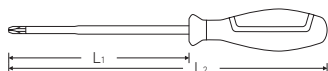


Product no.	Size	a mm	b mm	L <sub>1</sub> mm	L <sub>2</sub> mm	Δ g
46613035	3	0.6	3.5	100	205	51
46613040	4	0.8	4	100	205	55
46613055	5	1.0	5.5	125	240	103
46613065	6	1.5	6.5	150	265	125

## 4665 VDE

**VDE PH cross-head screwdrivers DRALL+**

- for PHILLIPS® screws
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel

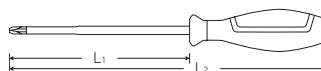


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46653000	PH0	60	145	35
46653001	PH1	80	185	47
46653002	PH2	100	215	89
46653003	PH3	150	275	159

## 4670 VDE

**VDE PZ cross-head screwdrivers DRALL+**

- for POZIDRIV® screws
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel

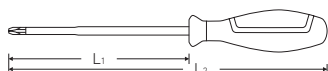


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46703000	PZ0	60	145	36
46703001	PZ1	80	185	46
46703002	PZ2	100	215	89

## 4666 VDE

**VDE PH cross-head screwdrivers DRALL+**

- for PHILLIPS® screws
- reduced blade diameter to reach deep joints
- blade with integrated protective insulation
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel

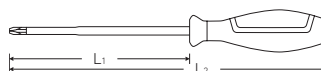


Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46663001	PH1	80	185	55
46663002	PH2	100	215	105

## 4671 VDE

**VDE PZ cross-head screwdrivers DRALL+**

- for POZIDRIV® screws
- reduced blade diameter to reach deep joints
- blade with integrated protective insulation
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46713001	PZ1	80	185	44
46713002	PZ2	100	215	55



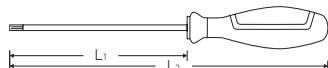
VDE tools

## 4675 VDE



### VDE TORX® screwdrivers DRALL+

- for recessed TORX® screws
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel



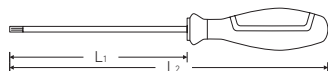
Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46753008	T8	60	145	22
46753010	T10	60	145	22
46753015	T15	75	180	40
46753020	T20	100	205	47
46753025	T25	100	205	51
46753030	T30	100	215	89

## 4676 VDE



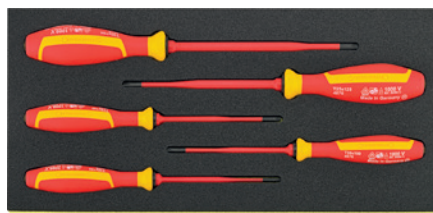
### VDE TORX® screwdrivers DRALL+

- for recessed TORX® screws
- reduced blade diameter to reach deep joints
- blade with integrated protective insulation
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- gunmetal finished blade tip
- 3-component handle with laser marking
- Chrome Alloy Steel



Product no.	Size	L <sub>1</sub> mm	L <sub>2</sub> mm	±g
46763010	T10	100	215	27
46763015	T15	100	205	55
46763020	T20	100	205	55
46763025	T25	125	240	58
46763030	T30	150	265	106

## TCS 4676/5 VDE



### VDE TORX® screwdriver set DRALL+

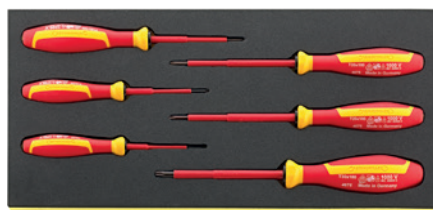
- safely integrated in the modular Tool Control System (TCS)

#### Contains 5-pieces:

5 VDE TORX® screwdrivers **No. 4676 VDE**: T10; T15; T20; T25; T30

Product no.	L mm	W mm	H mm	Division	Content pcs.	±g
96838815	350	175	45	1/3	5	730

## TCS 4675 VDE



### VDE TORX® screwdriver set DRALL+

- safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

6 VDE TORX® screwdrivers **No. 4675 VDE**: T8; T10; T15; T20; T25; T30

Product no.	L mm	W mm	H mm	Division	Content pcs.	±g
96838793	350	175	40	1/3	6	385



#### VDE certification mark

In the world of tools, the distinctive triangular VDE certification mark signifies compliance with the highest safety requirements in production. It guarantees that any hand tool bearing this mark meets strict electrical, mechanical, and other safety requirements for safe everyday use.

## TCS 4665/4670 VDE



### VDE screwdriver set DRALL+

— safely integrated in the modular Tool Control System (TCS)

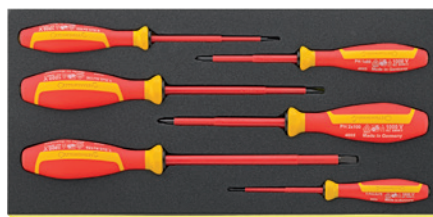
#### Contains 7-pieces:

4 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH0; PH1; PH2; PH3

3 VDE PZ cross-head screwdrivers **No. 4670 VDE**: PZ0; PZ1; PZ2

Product no.	L mm	W mm	H mm	Division	Content pcs.	△ g
96838785	350	175	40	1/3	7	622

## TCS 4660/4665 VDE



### VDE screwdriver set DRALL+

— safely integrated in the modular Tool Control System (TCS)

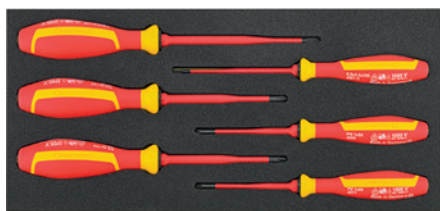
#### Contains 6-pieces:

4 VDE slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75; 0.6 x 3.5 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm

2 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2

Product no.	L mm	W mm	H mm	Division	Content pcs.	△ g
96838766	350	175	40	1/3	6	391

## TCS 4661/4671 VDE



### VDE screwdriver set DRALL+

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

2 VDE slotted screwdrivers **No. 4661 VDE**: 0.6 x 3.5 x 100; 1.0 x 5.5 x 125 mm

2 VDE PH cross-head screwdrivers **No. 4666 VDE**: PH1; PH2

2 VDE PZ cross-head screwdrivers **No. 4671 VDE**: PZ1; PZ2

Product no.	L mm	W mm	H mm	Division	Content pcs.	△ g
96838814	350	175	72	1/3	6	800

## TCS 4661/4666 VDE



### VDE screwdriver set DRALL+

— safely integrated in the modular Tool Control System (TCS)

#### Contains 6-pieces:

4 VDE slotted screwdrivers **No. 4661 VDE**: 0.6 x 3.5 x 100; 0.8 x 4.0 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm

2 VDE PH cross-head screwdrivers **No. 4666 VDE**: PH1; PH2

Product no.	L mm	W mm	H mm	Division	Content pcs.	△ g
96838816	350	175	45	1/3	6	780



VDE tools

## 4695 VDE



### VDE screwdriver set DRALL+

Contains 6-pieces:

4 VDE slotted screwdrivers **No. 4660 VDE**: 0.4 x 2.5 x 75;

0.6 x 3.5 x 100; 1.0 x 5.5 x 125; 1.2 x 6.5 x 150 mm

2 VDE PH cross-head screwdrivers **No. 4665 VDE**: PH1; PH2

Product no.	L mm	W mm	H mm	Content pcs.	⚡ g
96469515	350	175	40	6	595

## 4798 VDE



### Set of interchangeable VDE screwdrivers

— automatic locking to prevent unintentional removal

Contains 14-pieces:

1 VDE 2-component reversible handle

1 VDE rotary cap, attachable

6 VDE interchangeable slotted blades: 2.5 x 0.4; 3.0 x 0.5; 3.5 x 0.6;

4.0 x 0.8; 5.5 x 1.0; 6.5 x 1.2 mm

2 VDE interchangeable PH cross-head blades: PH1; PH2

1 VDE interchangeable PZ cross-head blade: PZ2

3 VDE interchangeable TORX® blades: T10; T15; T20

Product no.	L mm	W mm	H mm	Content pcs.	⚡ g
96469511	229	134	54	14	814



## VDE PLIERS.

### 6700 VDE



### VDE combination pliers

— with fine and coarse serrated gripping area and cutting function  
— for gripping, holding and cutting cables as well as soft and hard wire

— drop-forged from tempered steel

— cutting edges with additional induction hardening to approx.

64 HRC

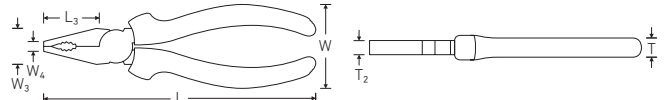
— VDE insulated up to 1,000 V

— protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V

— chrome-plated

— with 2-component handle

— DIN ISO 5746



Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⚡ g
67004160	160	34	28	10.5	60	24	6	215
67004180	180	38	30	11.5	60	26	7	280
67004200	200	42	31	12.3	63	29	8	345

### 6730 VDE



### VDE telephone pliers

— straight with cutting edge and burner hole

— for gripping, holding and cutting cables as well as soft and hard wire

— with burner hole for holding nuts and stud bolts

— half round, tapered jaws with serrated gripping surfaces

— drop-forged from tempered steel

— cutting edges with additional induction hardening to approx. 64 HRC

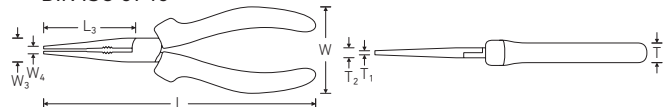
— VDE insulated up to 1,000 V

— protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V

— chrome-plated

— with 2-component handle

— DIN ISO 5745



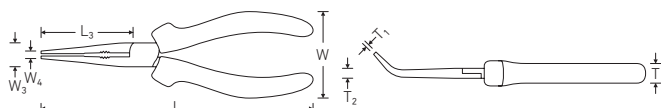
Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	⚡ g
67304160	160	47	28	3.5	9.5	54	20	3.5	160
67304200	200	70	29	4	11	58	20	5	200

## 6731 VDE



### VDE telephone pliers

- curved with cutting edge and burner hole
- for gripping, holding and cutting cables as well as soft and hard wire
- with burner hole for holding nuts and stud bolts
- half round, curved jaws with serrated gripping surfaces
- drop-forged from tempered steel
- cutting edges with additional induction hardening to approx. 64 HRC
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- chrome-plated
- with 2-component handle
- DIN ISO 5745



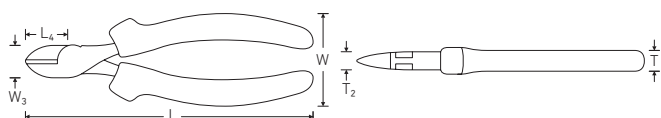
Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>1</sub> mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	W <sub>4</sub> mm	∠°	∅ g
67314160	160	43	28	3.5	9.5	56	18	3.5	45	160
67314200	200	63	43	4	11	58	20	5	45	220

## 6720 VDE



### VDE side cutters

- side cutters with semicircular head for cutting cables, soft and hard wires, including piano wire
- bevelled cutting edges
- drop-forged from tempered steel
- cutting edges with additional induction hardening to approx. 64 HRC
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- chrome-plated
- with 2-component handle
- DIN ISO 5749



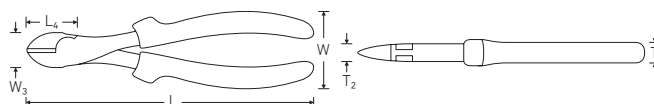
Product no.	L mm	L <sub>4</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	∅ g
67204140	140	19	29	11	60	20	185
67204160	160	19	30	11	62	22	240
67204180	180	21	32	11.5	63	24	270

## 6721 VDE



### VDE heavy-duty side cutters

- heavy-duty side cutters with compact head for cutting all types of wire
- drop-forged from tempered steel
- cutting edges with additional induction hardening to approx. 64 HRC
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- chrome-plated
- with 2-component handle
- DIN ISO 5749



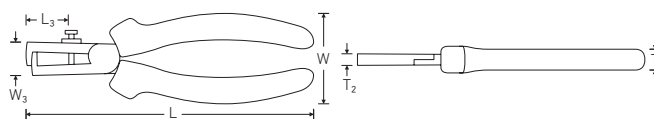
Product no.	L mm	L <sub>4</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	∅ g
67214160	160	16	28	11	62	26	215
67214180	180	21	30	12	64	30	300
67214200	200	20	30	12	64	32	300

## 6780 VDE



### VDE wire stripper

- mechanical wire stripper with set screw and opening spring for easy removal of the insulation from electrical conductors e.g. conventional or stranded wires
- for single, multi-stranded and finely stranded conductors
- drop-forged from tempered steel
- cutting edges also induction hardened to approx. 44 HRC
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- chrome-plated
- with 2-component handle



Product no.	L mm	L <sub>3</sub> mm	T mm	T <sub>2</sub> mm	W mm	W <sub>3</sub> mm	∅ min. mm <sup>2</sup>	∅ max. mm <sup>2</sup>	∅ g
67804160	160	26	29	9.5	58	18	5	10	190

VDE tools

## 6551 VDE



### VDE water pump pliers

- with a box joint and a recess
- quick adjustment, 7 positions
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- protection against pinch/crush injuries
- chrome-plated
- DIN ISO 8976 (No. 207 C)

Product no.	L mm	Jaw opening max. mm	Positions	⊘ g
65517250	240	35	7x	390

## 6630 VDE



### VDE cable shears

- for copper and aluminium cables
- simple, clean cut with one-handed operation
- special cutting geometry prevents pressure points and splintered ends
- adjustable screw joint
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- protection against pinch/crush injuries
- not suitable for steel wire and steel reinforced cables
- chrome-plated

Product no.	L mm	⊘ g
66307220	220	380

## VDE WORKSHOP EQUIPMENT AND STORAGE.

## 12187 VDE



### VDE cable knife

- with a straight blade
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- handle made of tough, impact-resistant plastic
- with blade protection

Product no.	L mm	Blade mm	⊘ g
77020700	215	50	98

## 12188 VDE



### VDE cable knife

- with a hook blade
- for slicing and stripping moisture proof cables
- VDE insulated up to 1,000 V
- protective insulation according to IEC 60900-AC 1,000 V / DC 1,500 V
- handle made of tough, impact-resistant plastic
- with blade protection

Product no.	L mm	Blade mm	⊘ g
77020701	210	40	96

## 12189 VDE



### VDE insulating underlay mat

- protection mat for electrical control rooms
- temperature resistance from -30 °C to +70 °C
- non-slip and stable
- one side smooth, one side ribbed
- tested according to IEC 6111 Class 0 / 1,000 V VDE 0680-1:2010-04, DIN EN 61111:2009

Product no.	L mm	W mm	H mm	⊘ g
77030700	1000	1000	3	3040

## 12190 VDE



### VDE bag

- for VDE insulating underlay mat
- high-quality textile bag with carrying handle and adjustable shoulder strap

Product no.	L mm	W mm	H mm	⊘ g
77030701	1000	300	65	784

## 12196 VDE



### VDE insulating underlay mat in a bag

- protection mat for electrical control rooms
- temperature resistance from -30 °C to +70 °C
- non-slip and stable
- one side smooth, one side ribbed
- high-quality textile bag with carrying handle and adjustable shoulder strap
- tested according to IEC 6111 Class 0 / 1,000 V  
VDE 0680-1:2010-04, DIN EN 61111:2009

Product no.	L mm	W mm	H mm	⚖ kg
96404303	1000	300	3	3.82

## 12191 VDE



### VDE barrier tape

- red/white blocked
- for the cordoning off of hazardous areas
- full warning effect even with prolonged use (light resistance: 5-6)
- made of polyethylene

Product no.	W mm	L m	⚖ kg
77030702	80	500	1.36

## 12192 VDE



### VDE warning sign

- warning of dangerous electrical voltage
- made of plastic
- DIN EN ISO 7010-W012

Product no.	W mm	H mm	⚖ g
77030705	200	200	27

## 12193 VDE



### VDE prohibitory sign

- 'Do not switch on' warning sign
- made of plastic
- DIN 4844, BGV A8

Product no.	d mm	⚖ g
77030706	200	48

## 12194/12195 VDE



### VDE self clamping cable-end cap

- for insulating cable ends and single wires
- made of a tough insulating material
- with cross-section closure

Product no.	d mm	L mm	⚖ g
77030708	10	100	10
77030709	20	100	18

# TORX® SCREW SIZES ACCORDING TO DIN.



DIN	931/933	912	963/965	964/966	7984	7985	7991	7981	7982	7983
M 2										
ST 2.2										
M 2.5		T8	T8	T8						
ST 2.9								T8	T8	T8
M 3	E4	T10	T10	T10	T10	T10	T10			
M 3.5			T15	T15		T15				
ST 3.5								T10	T10	T10
ST 3.9								T15	T15	T15
M 4	E5	T20	T20	T20	T20	T20	T20			
ST 4.2								T20	T20	T20
ST 4.8								T25	T25	T25
M 5	E6	T25	T25	T25	T25	T25	T25			
ST 5.5								T25	T25	T25
M 6	E8	T30	T30	T30	T30	T30	T30			
ST 6.3								T30	T30	T30
M 7										
M 8	E10	T45	T40	T45	T45	T45	T40			
M 10	E12	T50	T50	T50	T50	T50	T50			
M 12	E14	T55			T55					
M 14	E18	T60			T60					
M 16	E20	T70			T70					
M 18	E24	T80			T80					
M 20	E24	T90			T90					
M 22		T100*								
Camcar Licence sheet	TMF-16001	TMF-17012	TMF-17065	TMF-17066	TMF-17069	TMF-17085	TMF-17091	TMF-17081	TMF-17082	TMF-17083

\*Special screw

## Screw correlation for TORX® tools

Ø Size	Ø mm	Screws metric	Screws "
T5	1.4	M1.4 – M2	–
T6	1.6	M2	–
T7	2.0	M2.5	2.2
T8	2.3	M2.5	–
T9	2.5	M3	2.9
T10	2.7	M3 – M3.5	–
T15	3.3	M3.5 – M4	3.5
T20	3.8	M4 – M5	4.2
T25	4.4	M4.5 – M5	4.8
T27	5.0	M4.5 – M5 – M6	–
T30	5.5	M6 – M7	–
T40	6.6	M7 – M8	–
T45	7.8	M8 – M10	–
T50	8.8	M10	–
T55	11.2	M12	–
T60	13.2	M14	–
T70	15.5	M16	–
T80	17.6	M18	–
T90	19.9	M20	–
T100	22.1	M22	–

## Screw correlation for TORX® tools

Ø Size	Ø mm	Screws metric	Screws "
E4	3.8	M3	2.2 – 2.9
E5	4.7	M4	–
E6	5.7	M5	–
E7	6.2	M6	–
E8	7.5	M6 – M7	3.5 – 4.2
E10	9.4	M8	–
E11	10.1	–	–
E12	11.1	M10	–
E14	12.9	M12	–
E16	14.7	M12	–
E18	16.6	M14	–
E20	18.4	M16	–
E24	22.1	M18 – M20	–



# SPANNER AND FASTENER SPECIFICATIONS.

Spanner opening Nominal width across flats		Metric sizes													American sizes												
Minimum dimension (mm <sup>1</sup> )	Maximum dimension (mm <sup>1</sup> )	Nominal size of wrench, mm	Thread diameters										Nominal Size of Wrench	Thread diameters - American standard ANSI													
			DIN ISO 272		ISO R 272 1968		German standard DIN			French standard	Swedish standard			Nuts		Bolts and screws											
			Standard hex	Large hex	Screw with flange	Nut with flange	Normal hex	Small hex	Normal hex <sup>2</sup>	Large hex <sup>2</sup>	Small hex <sup>4</sup>	Screw with flange <sup>3</sup>	Nut with flange <sup>4</sup>	NFE 27-11-1930 <sup>5</sup>	Metric, large <sup>6</sup> SMS 1412	Metric, small <sup>6</sup> SMS 1414	Whitworth, large <sup>6</sup> SMS 1413	Whitworth, small <sup>6</sup> SMS 1415	a Normal (No)	b Square (No)	c Heavy (No)	d Machine Screw Nuts (No)	e Normal (No)	f Heavy (No)	g Machine Screws (No)	h Square Head Set Screws (No)	
3.22	3.28	3.2	1.6				1.6		1.6																		
3.23	3.35	3.5																									1-2-3
3.52	3.60	4	2				2		2					2.5			2.3				0-1						
4.01	4.14	4.5															2.6										
4.02	4.12	5	2.5				2.5		2.5					3			3				2-3				3-4-5	10	
4.52	4.62	5.5	3				3		3																		
4.83	4.95	6							3.5					3.5	3	3.5											
5.02	5.12	7	4	5			4		4					4-4.5	3.5	4							10*				
5.21	5.33	8	5	6	5	5	5		5	6	5	5	5	5	4	5											
5.52	5.62	9							(5) <sup>7</sup>					5.5	5									1/4*	1/4	3/8	
5.59	5.72	10	6	8	6	6	6		6	8	6	6	6			6											
6.00	6.13	11	7				7		7						6	7	1/4										7/16
6.03	6.15	12							8					7		8											
6.40	6.53	13	8	10	8	8	8		8	10	8	8				1/4	5/16										1/2
6.82	6.97	14							10 (8) <sup>7</sup>					8	8												
7.03	7.15	15		12	10						10	10				10	5/16	3/8									9/16
7.19	7.32	16	10	ZK-M10 M14					10	12	12	9															5/8
7.62	7.77	17							10	12	(10)	(12)		10	10												
8.03	8.18	18	12	ZK-M12	14	12			12	16	14	12				12	3/8	7/16									
8.03	8.15	19							12	14	(12)	(16)		11													
8.41	8.56	20																									3/4
8.81	8.97	20.8		ZK-M14 M18																							
9.03	9.15	21	14	12	16	14			14	12		16	14	12		14	7/16	1/2									
9.60	9.75	22							14	16	(14)	12			1214												
10.04	10.19	23												14			1/2										7/8
10.39	10.55	24	16	14	16	16	18	16	20	16	20	16				16	5/8										
11.04	11.19	25																									
11.18	11.33	26		ZK-M18										16		16	18										1
11.99	12.14	27	18	16	20		18	20	18	16	20				16	18											
12.04	12.24	28																									
12.80	12.95	29												18													
13.04	13.24	30	20	18	20	20	22	20	24	20		20				20											
13.60	13.77	32																									
14.05	14.27	33																									
14.38	14.55	34	22	20					22	20						24											
15.05	15.27	35												22													
15.18	15.36	36	24	22			24	27	24	22	30				2224												
15.98	16.15																										
16.05	16.27																										
16.77	16.95																										
17.05	17.30																										
17.58	17.75																										
18.05	18.30																										
19.06	19.36																										
19.18	19.38																										
19.97	20.17																										
20.06	20.36																										
20.78	20.98																										
20.86	21.16																										
21.06	21.36																										
22.06	22.36																										
22.35	22.56																										
23.06	23.36																										
23.98	24.21																										
24.06	24.36																										
24.76	24.99																										
25.06	25.36																										
25.55	25.78																										
26.08	26.48																										
27.08	27.48																										
27.13	27.36																										
28.08	28.48																										
28.75	29.01																										
29.08	29.48																										
30.08	30.48																										
30.34	30.59																										
31.93	32.18																										
32.08	32.48																										
33.08	33.48																										
33.53	33.81																										
34.08	34.48																										
35.10	35.60																										
35.13	35.41																										
36.10	36.60																										

Spanner opening SW		Metric sizes													American sizes													
Minimum dimension mm <sup>1)</sup>	Maximum dimension mm <sup>1)</sup>	Nominal size of wrench, mm	Thread diameters											Nominal Size of Wrench	Thread diameters - American standard ANSI													
			DIN ISO 272		ISO R 272 1968		German standard DIN			French standard	Swedish standard				Nuts				Bolts and screws									
			Standard hex	Large hex	Screw with flange	Nut with flange	Normal hex	Small hex	Normal hex <sup>2)</sup>	Large hex <sup>2)</sup>	Small hex <sup>4)</sup>	Screw with flange <sup>5)</sup>	Nut with flange <sup>6)</sup>	NFE 27-111-1930 <sup>8)</sup>	Metric, large <sup>9)</sup> SMS 1412	Metric, small <sup>9)</sup> SMS 1414	Whitworth, large <sup>9)</sup> SMS 1413	Whitworth, small <sup>9)</sup> SMS 1415	a Normal (No)	b Square (No)	c Heavy (No)	d Machine Screw Nuts (No)	e Normal (No)	f Heavy (No)	g Machine Screws (No)	h Square Head Set Screws (No)		
36.73	37.01																		1 7/16			7/8						
37.10	37.60	37																										
38.10	38.60	38												24														
38.30	38.61																		1 1/2	1"	1"			1"				1 1/2
39.89	40.20																		1 9/16									
41.10	41.60	41	27	24			27	30	27	24								27										
41.50	41.81																											
42.10	42.60	42																	27									
42.67	42.93																											
43.08	43.38																											
44.70	45.03																											
46.10	46.60	46	30	27			30	33	30	27	36							30	30									
46.28	46.61																											
47.10	47.60	47																										
47.88	48.21																											
50.10	50.60	50	33	30			33	36	33	30									33	33								
51.08	51.44																											
52.10	52.60	52																										
52.68	53.04																											
54.12	54.72	54																	36									
54.25	54.61																											
55.12	55.72	55	36	33			36	39	36	42								36										
55.88	56.26																											
56.12	56.72	56																										
57.45	57.84																											
58.12	58.72	58																	39									
60.12	60.72	60	39	36			39	39	36										39									
60.66	61.06																											
62.23	62.64																											
63.12	63.72	63																	42									
63.83	64.24																											
65.12	65.72	65	42	39			42	42	48									42	1 5/8	1 3/4								
65.43	65.86																											
67.03	67.46																											
67.12	67.72	67																	45									
70.12	70.72	70	45				45	45										45	45	1 3/4	1 7/8							
70.26	70.69																											
71.12	71.72	71																	48									
71.81	72.26																											
75.03	75.51																											
75.15	75.85	75	48				48	48	56									48	1 7/8	2"								
76.61	77.09																											
77.15	77.85	77																	52									
79.81	80.31																											
80.15	80.85	80	52				52	52										52	52	2"								
82.15	82.85	82																										
85.15	85.85	85	56				56	56																				
86.18	86.72																											
88.15	88.85	88																	60									
89.36	89.92																											
90.15	90.85	90	60				60	60																				
94.15	94.85	94																										
95.15	95.85	95	64				64	64																				
95.76	96.34																											
98.93	99.52																											
100.15	100.85	100	68				68	68										68										
105.20	106.00	105	72				72	72										72										
105.33	105.97																											
108.51	109.14																											
110.20	111.00	110	76				76	76										76										
114.91	115.57																											
115.20	116.00	115	80				80	80																				
116.20	117.00	116																	80									
118.08	118.77																											
120.20	121.00	120	85				85	85																				

**ASME/ANSI B 18.2.2-1987**

- 1) Maximum and minimum dimensions for metric sizes according to DIN 475/2 series 1 and ISO 691 (machined tolerances), American sizes according to ANSI B 18.2.1 + ASME/ANSI B 18.2.2
- 2) DIN ISO 4014, 4016, 4017, 4018, 4032, 4034, 4035, 4036, 8673, 8674, 8675, 8676, 8765, sizes in brackets only DIN 439, 555, 558, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7967, 7968, 79900
- 3) DIN 6914, 6915, 7999 (SW 21 + 34)
- 4) DIN 561, 564
- 5) DIN 6921, 6922
- 6) DIN 6923, 6926, 6927
- 7) Standards prior to 1963
- 8) old standards

- a) Hex Flat and Hex Flat Jam Nuts  
Hex Nuts and Hex Jam Nuts  
Hex Slotted Nuts  
Hex Thick Nuts  
Hex Thick Slotted Nuts  
Hex Castle Nuts
- b) Square Nuts
- c) Heavy Square Nuts  
Heavy Hex Flat Nuts  
Heavy Hex Flat Jam Nuts  
Heavy Hex Nuts  
Heavy Hex Jam Nuts  
Heavy Hex Slotted Nuts

**ANSI B 18.2.1-1981**

- d) ANSI B 18.6.3 - 1972
  - e) Square Bolts  
Hex Bolts  
Hex Cap Screws  
Lag Screws
  - f) Heavy Hex Bolts  
Heavy Hex Structural Bolts  
Heavy Hex Screws
  - g) ANSI B 18.6.3 - 1972 (R 1983)
  - h) ANSI B 18.6.2 - 1972 (R 1983)
  - \* Square Bolt and Lag Screws only
- SP = Spark Plug

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## Technologies and features



### 2-component handle

Our 2-component handle is non-slip and ergonomically designed. It is resistant to the most common oils, greases, fuels, brake fluids, and Skydrol. The arrow markings on the handle indicate the direction of operation.



### 3K DRALL®

The STAHLWILLE 3K DRALL® handle with non-slip, special fibre-coated surface enables fatigue-free working and maximum power transmission. An ingenious opening serves both as a hanging hole and as a lever hole for additional force and high torque.



### 3-component handle

Our 3-component handle combines hard and soft components, which give it its optimised ergonomics, maximum power transmission, and increased safety during daily use.



### Anti-Slip-Drive

The special AS-Drive profile makes high force transmission to the flats of bolts and nuts possible without damaging them. This also prevents stripping of the screw head.



### DKD-R 10-8 / DIN 51309

Our transducers for torque wrenches and torque testers are professionally calibrated in our DAKkS-accredited calibration laboratory. Depending on requirements, this is done either with a calibration certificate within the scope of our accreditation (according to DKD-R 10 8 or DIN 51309) or with a factory calibration certificate based on these guidelines.



### Double-T profile

Our ring, open-ended and combination spanners have an additional recess in the middle of the tool. Similar to the principle of a double-T beam, this provides a tremendous load capacity and maximum strength whilst reducing weight.



### DRALL+

Our DRALL+ handle is non-slip and ergonomic. An extended grip zone protects the fingers and a hand stop prevents the tool from accidentally slipping or rolling away.



### Thin-walled rings

The thin-walled diameter of our rings makes it easier to work in confined spaces. The ring wall is deeper than standard nuts, which prevents jamming.



### Spring mechanism with the 'click'

Our torque wrench uses a toggle lever as the switching mechanism. When the set torque is reached (click-type), the spring force is exceeded, causing the mechanism to slip and strike. This produces a clearly audible and perceptible 'click'.



### Fine-tooth ratchet mechanism

Our fine-tooth ratchets with 80 teeth re-engage after just 4.5° for maximum precision in confined spaces. 8 pairs of parallel teeth simultaneously ensure maximum load-bearing capacity and particularly smooth running, even at high torques.



### Foreign Object Damage

STAHLWILLE protects against FOD (Foreign Object Damage). Our tool is ideal for safety-relevant sectors such as aviation, thanks to the screwless design.



### High Performance Quality (HPQ®)

Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.



### HI-LOK™

HI-LOK™ fasteners are widely used in the aerospace industry. Our HI-LOK™ ratchet with centered channel guide for hex L-Keys is designed for safety-critical applications. The boltless design minimises the risk of FOD and ensures robust, vibration-resistant connections with high tensile strength.



### Modular Inlay System

This flexible solution for tool storage makes it possible to customise your tool trolleys and workbenches with 1/6, 1/3, 2/3 or 3/3 foam inlays.



### LightCUT®

The flat-oval, high-strength aluminium tubes of the LightCUT® range ensure a low weight, approximately half that of a comparable tool. For fatigue-free working and precise results.



### Offset Shaft Design

Our spanners are specially designed with additional reinforcement in the load zones where the greatest amount of force is transmitted - namely where the jaw meets the shank - in order to prevent deformation.



### QuickRelease

#### In torque wrenches, ratchets, and sockets:

The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change.

**In transducers:** The QuickRelease safety lock helps you to quickly mount and change transducers. The sensors lock into the calibration system adaptor and only unlock again at the push of a button.



### QuickSelect

Lightning-fast target value setting: Unlock the adjustment knob, set the value, and lock the knob again.



### Impact cap

Our DRALL+ screwdriver is equipped with a metal impact cap for use in extreme conditions, enabling the screwdriver to be impacted with a mallet or hammer.



### Hex shank profile

Some of our DRALL+ screwdrivers have a hex shank profile at the base of the handle which can be used in conjunction with a spanner to apply more force when loosening tight screws.



### SolutionCUT

The special pipe head geometry of this bolt cutter enables precise and clean cutting not only in the second layer, but also in deeper layers - for effortless and precise working even in hard-to-reach areas.



### Tool Control System

The intelligent modular inlay system protects and organises the tools in tool boxes, tool trolleys and workbenches. Two-colour foam inlays make checking the completeness of the tools quick and easy.



### Adjustment Lock

The target torque can be quickly adjusted using the adjustment knob. The knob can then be removed to prevent subsequent adjustment. The supplied locking screw (TORX® Tamper Resistant) and an adhesive seal provide additional protection against tampering.



### VDE-DRALL+

Our VDE-DRALL+ handle is insulated to 1,000 V according to DIN EN 60900. It is non-slip and ergonomically shaped. An extended grip zone protects the fingers and a hand stop prevents the tool from accidentally slipping or rolling away.



### Low-wear bending beam system

Our torque wrench is equipped with a low-wear release system with a bending beam. Unlike conventional torque wrenches with coiled springs, the bending beam is not subjected to any load until the tool is in operation, which means that the spring does not need to be reset to '0' after use.



### DIN EN ISO 6789-2

Our torque wrenches and torque screwdrivers are professionally calibrated in accordance with DIN EN ISO 6789-2 and delivered with a corresponding calibration certificate. We also calibrate angle-controlled torque wrenches in accordance with VDI 2648-2. This ensures the accuracy and traceability of our tools.



# EVERYTHING IN ONE PLACE. ALWAYS AVAILABLE.

The new service portal MySTAHLWILLE offers customers a wealth of options.

The MySTAHLWILLE service portal enables round-the-clock access to a variety of product and service related functions, such as product registration, software downloads, warranty and quotation requests, repair or calibration orders and much more. Everything in one place and available at any time.



## Simple.

Setting up an individual customer account and registering tools in MySTAHLWILLE is quick and easy – in just a few steps. Once complete, users have access to all services in the portal.

## Current.

The service portal always has the latest information on pending repair and calibration orders. Shipment and order status can be viewed here at any time.

## Central.

Important information and resources can be accessed via the customer account: Delivery notes, repair reports, calibration documents as well as downloads of software, drivers and 3D product data.



# SERVICE

## Accredited.

We can also offer calibrations in our own DAkkS accredited laboratory, and not just for torque wrenches manufactured by STAHLWILLE.

## Direct.

For each calibration or repair of a tool, a customer order can be created easily via the direct service option. The firm price for the respective services are visible immediately. Direct service is the quickest way to get your tool back in your possession.

## Here's how it works:

- 1 Product selection and registration
- 2 Description of the fault
- 3 Service selection
- 4 Creation of confirmation and delivery note
- 5 Product shipment
- 6 Calibration, service and/or repair, with tracking
- ✓ Return of serviced product



## Discover the MySTAHlwILLE service portal.



Technical support can be reached quickly via MySTAHlwILLE. Experienced experts support you with all technical questions relating to your products.

[service.stahlwille.com](https://service.stahlwille.com)

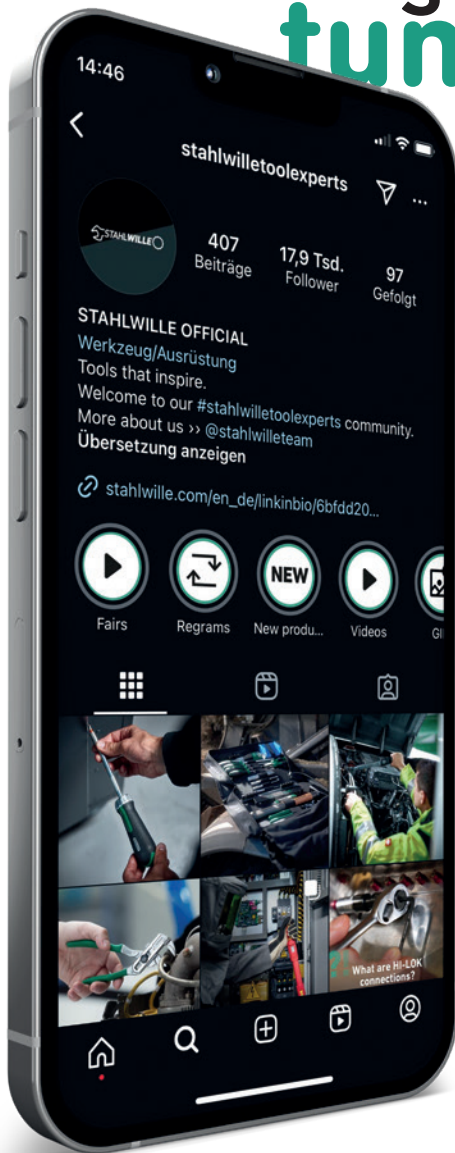


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Simply scan the QR code and fill out the form.  
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# STAHLWILLE WORLDWIDE –

## Always where our customers are.

To be a global leader, a global presence is essential. That is why we are represented locally in many markets with our own subsidiaries and have an extensive network of trading partners. No matter where our customers are, we are always close to them.

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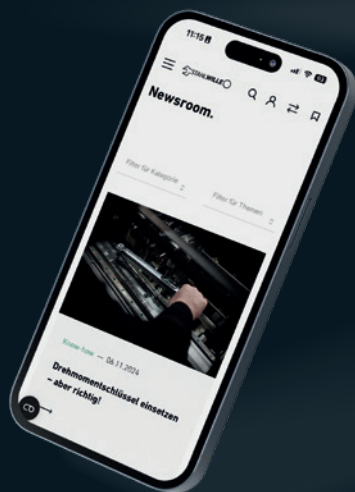


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