

# **Screwdriving Tools**

For the Aerospace Industry





# Tools for the Aerospace Sector

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# Precision engineered tools for the aerospace MRO industry



With the increasing economic pressures on the global aerospace industry, Wera recognizes the importance of maintenance operations for all carriers, whether they are passenger, commercial or military.

It is because of this pressure that Wera has become more focussed on the particular tools required to ensure that aircraft are professionally maintained, and that the job is done in the safest and most cost-efficient way possible.

That is why Wera is constantly working to improve on the status-quo, and to provide new and better solutions to the unique and daily challenges of the MRO industry.

High Quality Tool Steel manufactured under carefully controlled conditions.



State of the art CNC machinery in operation: Capacity, Flexibility, Capability.



State of the Art manufacturing facility producing appr. 100 Million screwdriver bits every year.



Wera, as one of the largest screwdriver bit manufacturers worldwide, is licensed to produce the most popular screw profiles, including TORQ-SET®, Tri-Wing®, TORX®, TORX PLUS®, Phillips etc. And, by working directly with leading airplane manufacturers, Wera brings value to its customers – by developing and delivering tailored and economical solutions which helps to reduce down time, to improve efficiency and safety and finally, to reduce cost and boost competitiveness.

Perhaps the best example of the innovative character of Wera, specifically related to the aerospace market, was the introduction of our patented TORQ-SET® MPlus screwdriver bits. The uniquely improved geometry of the MPlus bits provides for better fit in the screws,

higher torque transfer, and less cam-out. The strongest benefit, however, is seen during the removal of fasteners which have been in service, and are filled with paint or are damaged.

We are sure that you will find many more useful solutions to your daily fastening challenges in the following pages of our new Aviation MRO Catalog. And, if we can provide any technical assistance, or if you have particular challenges for which you can't currently find a solution, please contact your local Wera representative for support. Looking forward to receiving your challenges and becoming part of your solution!

Martin Strauch/CEO

In-house surface finishing – ecological and economical.



System Process Control ensures Wera quality, every time.





# R & D / QC

Wera provides professional technicians with exceptional technical expertise and product ideas, as well as comprehensive fastening solutions. In practical applications – with their often unique features – this results in a truly professional screw-driving performance. Wera not only has the "Know How", but, more import-

antly, the "KNOW WHY" – 80 years of experience in screw-driving solutions makes Wera the ideal partner for your toughest applications. Through careful selection of materials and strictly controlled manufacturing processes, Wera bits fulfil the highest quality requirements and deliver superior performance – always!

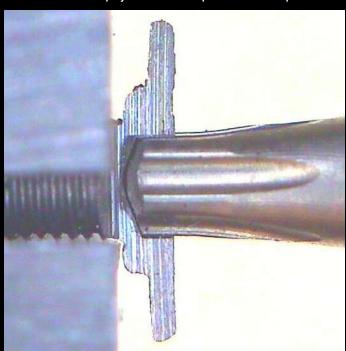
Excellent and well-defined TORX PLUS $^{\circ}$  geometry – to assure optimum fit.



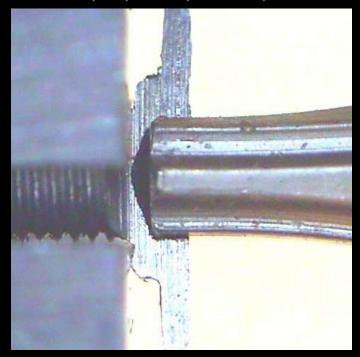
Standard drive bit production: underfilled and severe edge rounding minimises fit and performance.



Excellent workmanship by Wera. Licensed product ensures optimum fit.



Not-licensed competitor product: no optimzed fit – no performance.



# The Wera Torque Service

The Wera Torque Service offers you excellent and affordable service packages with short delivery times and will be happy to answer your questions about your torque tool.

All Wera torque tools are produced, adjusted, calibrated and certified under strict quality conditions.



On request, Wera can also issue a calibration certificate according to DAkkS guidelines in cooperation with an accredited specialist laboratory.

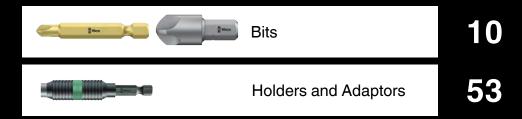


Wera Werkzeuge GmbH - Calibration competence in our own laboratory in Wuppertal/Germany.





# Products for Power Tool Use



### **Bits**

The right bit for every screw and for every power tool connection. The right quality for every user.

Thanks to the high-precision profile design and the outstanding concentricity properties, Wera bits provide for dependable working and offer great durability. Wera bits are designed for professional applications in industry as well as in the trade.

They enable higher torque transfer and typically have a long service life. Material and manufacturing expertise, established over decades, combined with sophisticated hardening technologies form the foundation upon which our premium quality is based.









Impaktor Bits
Impact bits are needed when a strong
power tool is used. Impact bits were
specifically developed to withstand high
power tool forces.



Wera stainless steel bits are manufactured out of stainless steel so unsightly rust can be avoided. The stainless steel bits from Wera are vacuum ice-hardened and have the hardness and strength needed for screw connections. There are no limitations to the industrial applications they are suitable for.



BiTorsion bits are absolutely premium products. They have a softer BiTorsion zone which reduces the hardness of the shaft in comparison to the drive tip. This means that the peak loads that cause bit breakage and premature wear are absorbed in this zone – something which enhances the service life of the bits.





Bits with diamond coating
The diamond coating of the DC bits
lowers the danger of slipping as the
minute diamond particles literally "bite"
themselves into the screw head.



"Take it easy"

"Take it easy" tool finder with colour coding according to profiles and size stamp – for simple and rapid accessing of the required tool.





1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 851/1 IMP DC Impaktor bits









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: The Impaktor technology ensures an above-average service

life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit to be easily

located.

	0	[t, mm	[;	
05 <b>057615</b> 001	PH 1	25	1"	
05 <b>057616</b> 001	PH 2	25	1"	
05 <b>057617</b> 001	PH 3	25	1"	

### 3851/1 TS bits, stainless











Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Stainless steel for minimising rust, special torsion-style design

to reduce premature wear. Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit

to be easily located.

	•	[]; mm	<b>[</b> ;	
05 <b>071010</b> 001	PH 1	25	1"	
05 <b>071011</b> 001	PH 2	25	1"	
05 <b>071012</b> 001	PH 3	25	1"	

#### 851/1 BDC bits











Application: Phillips screws

 $^{1}/_{4}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders **Drive:** 

BiTorsion for long service life, diamond-coated for secure screw Design:

fit. Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit to be easily located.

	•	[; mm	],	
05 <b>056400</b> 001	PH 1	25	1"	
05 <b>056402</b> 001	PH 2	25	1"	
05 <b>056404</b> 001	PH 3	25	1"	

### 851/1 BTH bits









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** BiTorsion for long service life, extra-hard. Take it easy

toolfinder: Output colour coding (red = Phillips) and large stamp

to enable the desired bit to be easily located.

	•	[]; mm	[];	
05 <b>056410</b> 001	PH 1	25	1"	
05 <b>056412</b> 001	PH 2	25	1"	
05 <b>056414</b> 001	PH 3	25	1"	

### 851/1 BTZ bits









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** BiTorsion for long service life, extra-tough, for universal use.

Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit to be easily located.

	•	∏; mm	[],	
05 <b>056420</b> 001	PH 1	25	1"	
05 <b>056422</b> 001	PH 2	25	1"	
05 <b>056424</b> 001	PH 3	25	1"	

### Tip



### **Impaktor-Bits**



Impact-Bits are needed when a strong power tool (e.g. 18 volt impact screwdriver) is used. Impact bits were specifically developed to withstand high power tool forces.



### **Stainless Steel Bits**



Wera stainless steel bits are manufactured out of stainless steel so unsightly rust can be avoided. The stainless steel bits from Wera are vacuum ice-hardened and have the hardness and strength needed for screw connections. There are no limitations to the industrial applications they are suitable for.



"Take it easy"



"Take it easy" tool finder with colour coding according to profiles and size stamp – for simple and rapid accessing of the required tool.





1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 851/1 ADC bits





**Application:** Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Diamond-coated for secure screw fit, profiled version

	•	[]; mm	[];	Ø mm
05 <b>134940</b> 001	PH 1	25	1"	4,5
05 <b>134941</b> 001	PH 2	25	1"	6,0
05 <b>134942</b> 001	PH 3	25	1"	-

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening

#### 851/1 AH bits



Application: Phillips screws

 $^{1}/_{_{4}}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders **Drive:** 

Industrial version for optimum torque transfer with increased depth of penetration into the screw recess, 1/4" hexagon over Design:

the entire bit length, extra-hard, profiled version

	•	]; mm	[];	
05 <b>380155</b> 001	PH 1	25	1"	
05 <b>380156</b> 001	PH 2	25	1"	
05 <b>380157</b> 001	PH 3	25	1"	

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening operations.

### 851/1 A bits



**Application:** Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Extra-hard, profiled version

	0	[]; mm	[,	Ø	
05 <b>134919</b> 001	PH 1	25	1"	4,5	
05 <b>134920</b> 001	PH 2	25	1"	6,0	
05 <b>134921</b> 001	PH 3	25	1"	-	

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening operations

### 851/1 RDC bits



Application: Drywall screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Reduced shaft diameter, diamond-coated for secure screw fit

	•	];	[],	Ø
		mm		mm
05 <b>135008</b> 001	PH 2	25	1"	4,2

### 851/1 RH bits





Application: Phillips screws

**Drive:**  $^{1}/_{_{4}}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Reduced shaft diameter, extra-hard, profiled version

	•	[; mm	[];	Ø
05 <b>380158</b> 001	PH 1	25	1"	4,2
05 <b>346281</b> 001	PH 2	25	1"	4,2

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening operations.

### Tip

### **A-Bits**



A stands for aviation. A bits are particularly hard bits with a sharp-edged profile which e.g. penetrates screw profiles full of paint (such as on fuselage panels) ensuring a dependable transfer of force between the bit and the screw.



### Bits with diamond coating



The diamond coating of the DC bits lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head.





1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

### 851/1 TH bits





Application: Phillips screws

Drive: 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Torsion-style design to reduce premature wear, extra-hard

	0	[]; mm	<b>]</b> ,	
05 <b>056605</b> 001	PH 1	25	1"	
05 <b>056610</b> 001	PH 2	25	1"	
05 <b>056625</b> 001	PH 3	25	1"	

#### 851/1 TZ bits





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Torsion-style design to reduce premature wear, tough, for

universal use

	•	[]; mm	[];	
05 <b>056505</b> 001	PH 1	25	1"	
05 <b>056510</b> 001	PH 2	25	1"	
05 <b>056525</b> 001	PH 3	25	1"	

### 851/1 TiN bits



**Application:** Phillips screws

Drive: 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: TiN coating for the hardness needed e.g. in series screwdriving

operations

	0	[; mm	[,	
05 <b>480171</b> 001	PH 1	25	1"	
05 <b>480172</b> 001	PH 2	25	1"	
05 <b>480173</b> 001	PH 3	25	1"	

### 853/1 TZ bits, ACR®





Application: Phillips screws

**Drive:**  $^{1}/_{4}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Torsion-style design to reduce premature wear, tough, for universal use, ACR® (Anti Cam-Out Ribs) prevents bits from

slipping out of screw head

	•	[]', mm	[];	
05 <b>056660</b> 001	PH 1	25	1"	
05 <b>056662</b> 001	PH 2	25	1"	
05 <b>056664</b> 001	PH 3	25	1"	

### 851/1 Z bits



**Application:** Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Tough, for universal use

	•	[t mm	];	
05 <b>056500</b> 001	PH 0	25	1"	
05 <b>072070</b> 001	PH 1	25	1"	
05 <b>056507</b> 001	PH 1	50	2"	
05 <b>072072</b> 001	PH 2	25	1"	
05 <b>056515</b> 001	PH 2	32	1 1/4"	
05 <b>056520</b> 001	PH 2	50	2"	
05 <b>072074</b> 001	PH 3	25	1"	
05 <b>134905</b> 001	PH 3	50	2"	
05 <b>056535</b> 001	PH 4	32	1 1/4"	

### 851/1 J bits



Application: Phillips screws

**Drive:**  $^{1}/_{4}^{"}$  hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Tough, for universal use; PH 0: JCIS (Japanese Camera

Industrial Standard)

	•	]; mm	[];	$ ot\!$	
05 <b>135040</b> 001	PH 00	25	1"	2,0	
05 <b>135041</b> 001	PH 0	25	1"	2,5	
05 <b>135042</b> 001	PH 1	25	1"	3,0	

### Tip

### **ACR®-Bits**



ACR® stands for "anti-cam-out ribs". ACR® bits have ribs at the drive tip that protect against slipping out of the screw head. It is recommended that ACR® bits are matched with ribbed ACR® screws for maximum effect. ACR® is a registered trademark of Phillips Screw Company.

### **TiN-Bits**



TiN stands for titanium-nitrite. An extremely hard coating to withstand permanent loads such as during continual screwdriving operations in series manufacturing.



**TH-Bits** 



TH-Bits are hard bits with a torsion zone. Torsion bits absorb the damaging peak torque loads in the torsion zone. This prevents premature wear and enhances the service life of the bits.

### J-Bits



J stands for Japan. J bits have been optimised to suit Asian PH screws. In particular, they are for use with very small dimensions as set out in the Japanese Camera Standard.





1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 851/4 IMP DC Impaktor bits









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** The Impaktor technology ensures an above-average service

life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit to be easily

located.

	0	[]; mm	<b>]</b> ,	
05 <b>057656</b> 001	PH 2	50	2"	
05 <b>057657</b> 001	PH 3	50	2"	

#### 3851/4 Bits, stainless





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Stainless steel for minimising rust

	0	[; mm	Į;	
05 <b>071081</b> 001	PH 1	89	3 1/2"	
05 <b>071082</b> 001	PH 2	89	3 1/2"	
05 <b>071083</b> 001	PH 3	89	3 1/2"	

#### 851/4 BDC bits









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** BiTorsion for long service life, diamond-coated for secure screw

fit. Take it easy toolfinder: Output colour coding (red = Phillips) and large stamp to enable the desired bit to be easily located.

	•	[; mm	[;	
05 <b>059530</b> 001	PH 1	50	2"	
05 <b>059532</b> 001	PH 2	50	2"	
05 <b>059534</b> 001	PH 3	50	2"	

#### **851/4 BTH bits**









Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** BiTorsion for long service life, extra-hard. Take it easy

toolfinder: Output colour coding (red = Phillips) and large stamp

to enable the desired bit to be easily located.

	•	]; mm	[];	
05 <b>059540</b> 001	PH 1	50	2"	
05 <b>059542</b> 001	PH 2	50	2"	
05 <b>059544</b> 001	PH 3	50	2"	

#### **851/4 BTZ bits**







Application: Phillips screws

**Drive:**  $\frac{1}{4}$  hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** BiTorsion for long service life, extra-tough, for universal use. Take it easy toolfinder: Output colour coding (red = Phillips) and

large stamp to enable the desired bit to be easily located.

	•	[]; mm	[],	
05 <b>059550</b> 001	PH 1	50	2"	
05 <b>059552</b> 001	PH 2	50	2"	
05 <b>059554</b> 001	PH 3	50	2"	

### Tip



### Impaktor-Bits



Impact-Bits are needed when a strong power tool (e.g. 18 volt impact screwdriver) is used. Impact bits were specifically developed to withstand high power tool forces.





**BDC-Bits** 



BDC-Bits are absolutely premium products. They have a softer BiTorsion zone which reduces the hardness of the shaft by about 20 % in comparison to the drive tip. This means that the peak loads that cause bit breakage and premature wear are absorbed in this zone — something which enhances the service life of the

bits. The diamond coating lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head. B stands for BiTorsion. DC stands for diamond coated.



### "Take it easy"



"Take it easy" tool finder with colour coding according to profiles and size stamp – for simple and rapid accessing of the required tool.





1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 851/4 ADC bits





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Extra-hard, diamond-coated for secure screw fit, profiled

version

	•	∏; mm	];	Ø	
05 <b>134937</b> 001	PH 0	50	2"	3	
05 <b>134938</b> 001	PH 0	89	3 1/2"	3	
05 <b>134939</b> 001	PH 0	152	6"	3	
05 <b>134950</b> 001	PH 1	50	2"	4,5	
05 <b>134943</b> 001	PH 1	89	3 1/2"	4,5	
05 <b>134946</b> 001	PH 1	152	6"	4,5	
05 <b>134951</b> 001	PH 2	50	2"	6	
05 <b>134944</b> 001	PH 2	89	3 1/2"	6	
05 <b>134947</b> 001	PH 2	152	6"	6	
05 <b>134952</b> 001	PH 3	50	2"	-	
05 <b>134945</b> 001	PH 3	89	3 1/2"	-	
05 <b>134948</b> 001	PH 3	152	6"	-	

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening

### 851/4 RH Reduced tip bits





**Application:** Phillips screws

**Drive:**  $^{1}/_{4}$ " hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: Reduced shaft diameter, extra-hard

	•	[];	[];	Ø
		mm		mm
05 <b>380160</b> 001	PH 1	50	2"	4,2
05 <b>380161</b> 001	PH 2	50	2"	4,2

#### 851/4 A bits



Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Extra-hard, profiled version

	•	[];	[];	$\varnothing$	
		mm		mm	
05 <b>134929</b> 001	PH 0	50	2"	3	
05 <b>134906</b> 001	PH 0	70	2 3/4"	3	
05 <b>134907</b> 001	PH 0	89	3 1/2"	3	
05 <b>134908</b> 001	PH 0	152	6"	3	
05 <b>134930</b> 001	PH 1	50	2"	4,5	
05 <b>134370</b> 001	PH 1	70	2 3/4"	4,5	
05 <b>134372</b> 001	PH 1	89	3 1/2"	4,5	
05 <b>134909</b> 001	PH 1	152	6"	4,5	
05 <b>134931</b> 001	PH 2	50	2"	6	
05 <b>134371</b> 001	PH 2	70	2 3/4"	6	
05 <b>134373</b> 001	PH 2	89	3 1/2"	6	
05 <b>134910</b> 001 <sup>1)</sup>	PH 2	152	6"	6	
05 <b>134911</b> 001 <sup>2)</sup>	PH 2	152	6"	6	
05 <b>134932</b> 001	PH 3	50	2"	-	
05 <b>134912</b> 001	PH 3	50	2"	8	
05 <b>134913</b> 001	PH 3	70	2 3/4"	8	
05 <b>134914</b> 001	PH 3	89	3 1/2"	8	
05 <b>134915</b> 001	PH 3	152	6"	8	
05 <b>160983</b> 001	PH 4	50	2"	10	

Profiled versions feature sharp edges on bit flanks which are particularly useful in untightening operations.

<sup>1)</sup> Length of drive 100 mm

<sup>2)</sup> Length of drive 20 mm

### 851/4 R Reduced tip bits



**Application:** Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Reduced shaft diameter

	•	[]; mm	[];	Ø	
05 <b>160899</b> 001	PH 2	50	2"	3,0	
05 <b>160896</b> 001	PH 2	152	6"	3,0	

### 851/4 TH bits





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Torsion-style design to reduce premature wear, extra-hard

	0	[]; mm	[;		
05 <b>059855</b> 001	PH 1	50	2"		
05 <b>059860</b> 001	PH 2	50	2"		
05 <b>059865</b> 001	PH 3	50	2"		

### Tip



### Bits with reduced shaft diameter



Bits with reduced shaft diameter ensure that screws can be sunk without damaging the surface. This is particularly necessary in drywall construction applications.

### **A-Bits**



A stands for aviation. A bits are particularly hard bits with a sharp-edged profile which e.g. penetrates screw profiles full of paint (such as on fuselage panels) ensuring a dependable transfer of force between the bit and the screw.



### **DIAMOND** Bits with diamond coating



The diamond coating of the DC bits lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head.





1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 851/4 TZ bits





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Torsion-style design to reduce premature wear, tough, for

universal use

	0	[]; mm	];	
05 <b>059805</b> 001	PH 1	50	2"	
05 <b>059810</b> 001	PH 2	50	2"	
05 <b>059815</b> 001	PH 3	50	2"	

### 851/4 J bits



Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use

	0	[,	[;	Ø	
		mm		mm	
05 <b>135530</b> 001 <sup>1)</sup>	PH 00	50	2"	2,0	
05 <b>380200</b> 001 <sup>1)</sup>	PH 00	89	3 1/2"	2,0	
05 <b>135531</b> 001 <sup>2)</sup>	PH 0	50	2"	2,5	
05 <b>380201</b> 001 <sup>2)</sup>	PH 0	89	3 1/2"	2,5	
05 <b>135532</b> 001	PH 1	50	2"	4,5	
05 <b>380202</b> 001	PH 1	89	3 1/2"	4,5	

 $<sup>^{\</sup>mbox{\tiny 1)}}$  Optimised for Asian PH screws

#### 851/4 Z bits



Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use

	0	[];	<b>]</b> ;	Ø	
		mm		mm	
05 <b>059755</b> 001	PH 1	70	2 3/4"	4,5	
05 <b>059760</b> 001	PH 1	89	3 1/2"	4,5	
05 <b>059765</b> 001	PH 1	127	5"	4,5	
05 <b>059766</b> 001	PH 1	152	6"	4,5	
05 <b>059770</b> 001	PH 2	70	2 3/4"	6,0	
05 <b>059775</b> 001	PH 2	89	3 1/2"	6,0	
05 <b>059780</b> 001	PH 2	110	4 3/8"	6,0	
05 <b>059785</b> 001	PH 2	127	5"	6,0	
05 <b>059786</b> 001	PH 2	152	6"	6,0	
05 <b>059790</b> 001	PH 3	70	2 3/4"	-	
05 <b>059795</b> 001	PH 3	89	3 1/2"	-	
05 <b>059800</b> 001	PH 3	110	4 3/8"	-	
05 <b>059802</b> 001	PH 3	152	6"	-	

The plastic sleeve of the 853/4 ACR  $^{\!\circ}$  SL bits protects components from being damaged when screwdriving.





<sup>&</sup>lt;sup>2)</sup> Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

### 853/4 Harpoon ACR® bits



Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Reduced shaft diameter, tough, for universal use, ACR<sup>®</sup> (Anti Cam-Out Ribs) prevents bit from slipping out of screw

head

	0	80	80	Ø
		mm		mm
05 <b>160901</b> 001	PH 2	50	2"	3,3
05 <b>160895</b> 001	PH 2	70	2 3/4"	3,3
05 <b>160908</b> 001	PH 2	152	6"	3,3

### 853/4 ACR® SL bits with sleeve, magnetized





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use, ACR® (Anti Cam-Out Ribs) prevents

bit from slipping out of screw head, permanently magnetized, thus screws can be held securely on the tip of the bit; with plastic sleeve, protects components from being damaged when

screwdriving

	0	mm	000 E	Ø	
05 <b>323780</b> 001	PH 2	50	2"	5,2	
05 <b>323781</b> 001	PH 2	90	3 1/2"	5,2	
05 <b>203913</b> 001	PH 2	150	6"	5,2	
05 <b>203914</b> 001	PH 2	200	8"	5,2	

### **Tip**

### ACR®-Bits:



ACR® stands for "anti-cam-out ribs". ACR® bits have ribs at the drive tip that protect against slipping out of the screw head. It is recommended that ACR® bits are matched with ribbed ACR® screws for maximum effect. ACR® reg. trademark of Phillips Screw Company.



### Bits with diamond coating



The diamond coating of the DC bits lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head.

### J-Bits



J stands for Japan. J bits have been optimised to suit Asian PH screws. In particular, they are for use with very small dimensions as set out in the Japanese Camera Standard.





1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 851/4 Harpoon DC bits





Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Extra-hard, diamond-coated for secure screw fit

	•	80	80	Ø
		mm		mm
05 <b>160916</b> 001	PH 2	50	2"	3,8
05 <b>161010</b> 001	PH 2	70	2 3/4"	3,8
05 <b>161011</b> 001	PH 2	152	6"	3,8

### 853/4 ACR® bits



Application: Phillips screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use, ACR® (Anti Cam-Out Ribs) prevents bit

from slipping out of screw head

	0	[,	[;	Ø
		mm		mm
05 <b>346285</b> 001	PH 1	50	2"	3,5
05 <b>346286</b> 001	PH 2	50	2"	5,2
05 <b>346287</b> 001	PH 3	50	2"	5,8



<sup>5</sup>/<sub>16</sub>" hexagon drive, suitable for D 8 bit holders or direct drive (series 2)

#### 851/2 Z bits



**Application:** Phillips screws

**Drive:**  $\frac{5}{16}$  hexagon, suitable for DIN ISO 1173-D 8 bit holders

**Design:** Tough, for universal use

	•	[,	[;	Ø	
		mm		mm	
05 <b>057705</b> 001	PH 1	32	1 1/4"	4,5	
05 <b>057710</b> 001	PH 2	32	1 1/4"	6,0	
05 <b>057715</b> 001	PH 3	32	1 1/4"	7,6	
05 <b>057720</b> 001	PH 4	32	1 1/4"	-	
05 <b>057725</b> 001	PH 4	38	1 1/,"	10,0	



#### 4 mm

### 4 mm Halfmoon direct drive (series 9)

### 851/9 C J PH bits, halfmoon



Application: Phillips screws

Drive: Halfmoon, 4 mm

Design: Hard

		•	[]*, mm	[,	Ø	‡ mm	<b>!</b> ;
05 <b>134605</b> 001	1)	PH 000	44	1 47/64"	1,5	20	25/32
05 <b>134606</b> 001	1)	PH 000	64	2 33/64"	1,5	20	25/ " 32
05 <b>135270</b> 001	1)	PH 00	44	1 47/64	1,8	20	25/_"
05 <b>135271</b> 001	1)	PH 00	64	2 33/64"	1,8	20	25/_"
05 <b>135272</b> 001	2)	PH 0	44	1 47/64"	1,8	20	25/_"
05 <b>135273</b> 001	2)	PH 0	64	2 33/64"	1,8	20	25/ "
05 <b>135274</b> 001	2)	PH 0	44	1 47/ <sub>64</sub> "	2,0	20	25/ "
05 <b>135275</b> 001	2)	PH 0	64	2 33/64"	2,2	20	25/ "
05 <b>135278</b> 001	2)	PH 0	44	1 47/ <sub>64</sub> "	2,2	20	25/ "
05 <b>135276</b> 001	1)	PH 1	44	1 47/ <sub>64</sub> "	3,0	20	25/ " 32
05 <b>135277</b> 001	1)	PH 1	64	2 33/64"	3,0	20	25/_"
05 <b>134607</b> 001		PH 2	44	1 <sup>47</sup> / <sub>64</sub> "	4,0	-	
05 <b>134608</b> 001		PH 2	64	2 33/64"	4,0	-	

<sup>1)</sup> Optimised for Asian PH screws

### <sup>5</sup>/<sub>16</sub>" <sup>5</sup>/<sub>16</sub>" external square drive (series 25)

### 851/25 H bits







**Application:** Phillips screws **Drive:**  $5/_{16}$ " external square **Design:** Extra-hard

	•	[]; mm	Į,		
05 <b>380380</b> 001	PH 1	29	1 <sup>3</sup> / <sub>16</sub> "		
05 <b>380381</b> 001	PH 2	29	1 <sup>3</sup> / <sub>16</sub> "		
05 <b>380382</b> 001	PH 3	29	1 <sup>3</sup> / <sub>16</sub> "		
05 <b>380383</b> 001	PH 4	29	1 <sup>3</sup> / <sub>16</sub> "		

<sup>&</sup>lt;sup>2)</sup> Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)



### Bits for TORX® Screws



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

### 867/1 IMP DC Impaktor TORX® bits











Application: TORX® socket screws

Drive: 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: The Impaktor technology ensures an above-average service

life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (green = TORX®) and large stamp to enable the desired bit to be easily

located.

	0	[]; mm	[];	
05 <b>057628</b> 001	TX 10	25	1"	
05 <b>057623</b> 001	TX 15	25	1"	
05 <b>057624</b> 001	TX 20	25	1"	
05 <b>057625</b> 001	TX 25	25	1"	
05 <b>057626</b> 001	TX 30	25	1"	
05 <b>057627</b> 001	TX 40	25	1"	

#### 3867/1 TS TORX® bits, stainless











Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Stainless steel for minimising rust, special torsion-style design

to reduce premature wear. Take it easy toolfinder: Output colour coding (green =  $TORX^{\text{\tiny{(8)}}}$ ) and large stamp to enable the desired

bit to be easily located.

	0	],	[];	
		mm		
05 <b>071030</b> 001	TX 8	25	1"	
05 <b>071031</b> 001	TX 9	25	1"	
05 <b>071032</b> 001	TX 10	25	1"	
05 <b>071033</b> 001	TX 15	25	1"	
05 <b>071034</b> 001	TX 20	25	1"	
05 <b>071035</b> 001	TX 25	25	1"	
05 <b>071036</b> 001	TX 27	25	1"	
05 <b>071037</b> 001	TX 30	25	1"	
05 <b>071038</b> 001	TX 40	25	1"	

#### 867/1 BDC TORX® bits











Application: TORX® socket screws

1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders **Drive:** 

Design: BiTorsion for long service life, diamond-coated for secure

screw fit. Take it easy toolfinder: Output colour coding (green = TORX®) and large stamp to enable the desired bit to be easily

located.

	0	[]; mm	[;		
05 <b>066100</b> 001	TX 10	25	1"		
05 <b>066102</b> 001	TX 15	25	1"		
05 <b>066104</b> 001	TX 20	25	1"		
05 <b>066106</b> 001	TX 25	25	1"		
05 <b>342920</b> 001	TX 27	25	1"		
05 <b>066108</b> 001	TX 30	25	1"		
05 <b>066110</b> 001	TX 40	25	1"		

#### 867/1 BTZ TORX® bits









Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** BiTorsion for long service life, extra-tough, for universal use.

Take it easy toolfinder: Output colour coding (green = TORX®) and large stamp to enable the desired bit to be easily located.

	0	[]; mm	[,	
05 <b>066120</b> 001	TX 10	25	1"	
05 <b>066122</b> 001	TX 15	25	1"	
05 <b>066124</b> 001	TX 20	25	1"	
05 <b>066126</b> 001	TX 25	25	1"	
05 <b>066128</b> 001	TX 30	25	1"	
05 <b>066130</b> 001	TX 40	25	1"	

### Tip



### Impaktor-Bits



Impact-Bits are needed when a strong power tool (e.g. 18 volt impact screwdriver) is used. Impact bits were specifically developed to withstand high power tool forces.





**BDC-Bits** 



BDC-Bits are absolutely premium products. They have a softer BiTorsion zone which reduces the hardness of the shaft by about 20 % in comparison to the drive tip. This means that the peak loads that cause bit breakage and premature wear are absorbed in this zone — something which enhances the service life of the

bits. The diamond coating lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head. B stands for BiTorsion. DC stands for diamond coated.



### "Take it easy"



"Take it easy" tool finder with colour coding according to profiles and size stamp – for simple and rapid accessing of the required tool.



### **Bits for TORX® Screws**



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

### 867/1 Z TORX® HF bits with holding function





Application: TORX® socket screws

Drive: 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Holding function for TORX  $\!\!\!^{\tiny\textcircled{\tiny 0}}$  screws made according to Acument Intellectual Properties specifications, tough, for universal use Design:

	0	[; mm	[];	Ø	
05 <b>066070</b> 001	TX 8	25	1"	2,2	
05 <b>066071</b> 001	TX 9	25	1"	2,4	
05 <b>066072</b> 001	TX 10	25	1"	2,5	
05 <b>066073</b> 001	TX 15	25	1"	3,0	
05 <b>066074</b> 001	TX 20	25	1"	3,7	
05 <b>066075</b> 001	TX 25	25	1"	4,1	
05 <b>066076</b> 001	TX 27	25	1"	4,8	
05 <b>066077</b> 001	TX 30	25	1"	5,4	
05 <b>066078</b> 001	TX 40	25	1"	6,5	

### 867/1 TZ TORX® bits





**Application:** TORX® socket screws

Drive:  $^{1}/_{_{\!4}}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Torsion-style design to reduce premature wear, tough, for Design:

universal use

	0	]; mm	[];	Ø	
05 <b>066300</b> 001	TX 5	25	1"	4,2	
05 <b>066301</b> 001	TX 6	25	1"	4,2	
05 <b>066302</b> 001	TX 7	25	1"	4,2	
05 <b>066303</b> 001	TX 8	25	1"	4,2	
05 <b>066304</b> 001	TX 9	25	1"	4,2	
05 <b>066305</b> 001	TX 10	25	1"	4,2	
05 <b>066308</b> 001	TX 15	25	1"	4,2	
05 <b>066310</b> 001	TX 20	25	1"	4,8	
05 <b>066312</b> 001	TX 25	25	1"	5,5	
05 <b>066313</b> 001	TX 27	25	1"	5,5	
05 <b>066315</b> 001	TX 30	25	1"	6,0	
05 <b>066320</b> 001	TX 40	25	1"	-	

### 867/1 TORX® bits



**Application:** TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Tough, for universal use

	0	[]; mm	],	Ø	
05 <b>135140</b> 001	TX 1	25	1"	1,5	
05 <b>135141</b> 001	TX 2	25	1"	1,5	
05 <b>135142</b> 001	TX 3	25	1"	2,0	
05 <b>135143</b> 001	TX 4	25	1"	2,0	
05 <b>066492</b> 001	TX 5	25	1"	3,0	
05 <b>066493</b> 001	TX 6	25	1"	3,0	
05 <b>066494</b> 001	TX 7	25	1"	3,0	
05 <b>066495</b> 001	TX 8	25	1"	3,0	
05 <b>066496</b> 001	TX 9	25	1"	3,0	
05 <b>066485</b> 001	TX 10	25	1"	4,0	
05 <b>066486</b> 001	TX 15	25	1"	4,0	
05 <b>066487</b> 001	TX 20	25	1"	5,0	
05 <b>066488</b> 001	TX 25	25	1"	5,0	
05 <b>066489</b> 001	TX 27	25	1"	6,0	
05 <b>066490</b> 001	TX 30	25	1"	6,0	
05 <b>066491</b> 001	TX 40	25	1"	-	
05 <b>066325</b> 001	TX 45	35	1 <sup>3</sup> / <sub>8</sub> "	8,0	
05 <b>066330</b> 001	TX 50	35	1 3/8"	9,0	
05 <b>066335</b> 001	TX 55	35	1 3/8"	12,0	

### 867/1 Z TORX® Wedge bits



Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:**  $W = Wedge TORX^{\oplus}$ , tough, for universal use

	0	[; mm	[],		
05 <b>066450</b> 001	TX 10	25	1"		
05 <b>066455</b> 001	TX 15	25	1"		
05 <b>066460</b> 001	TX 20	25	1"		
05 <b>066465</b> 001	TX 25	25	1"		
05 <b>066470</b> 001	TX 27	25	1"		
05 <b>066475</b> 001	TX 30	25	1"		
05 <b>066480</b> 001	TX 40	25	1"		

### Tip



### The HF profile



In tight assembly or disassembly situations, for example in engine compartments, it is not possible to securely hold the screw with the hand on the screwdriver, and the screw subsequently often gets lost. Lengthy searches or the loss of the screw (with the associated danger that could bring about) are the consequence. The HF

tools developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that the screw is securely held on the tool!

### TORX® Wedge



The conical TORX® profile provides a better fit in the screw. Combined with a great recess depth this produces a pinch effect.



### Bits for TORX® Screws



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 867/4 IMP DC Impaktor TORX® bits









Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: The Impaktor technology ensures an above-average service

life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (green = TORX®) and large stamp to enable the desired bit to be easily

located.

	0	[¦, mm	[;	
05 <b>057664</b> 001	TX 20	50	2"	
05 <b>057665</b> 001	TX 25	50	2"	
05 <b>057666</b> 001	TX 30	50	2"	
05 <b>057667</b> 001	TX 40	50	2"	

### 3867/4 TORX®, stainless





**Application:** TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Stainless steel for minimising rust. Take it easy toolfinder: Output colour coding (green =  $TORX^{\circ}$ ) and large stamp to Design:

enable the desired bit to be easily located.

	0	[; mm	[;	
05 <b>071046</b> 001	TX 20	50	2"	
05 <b>071047</b> 001	TX 25	50	2"	

#### 867/4 KK TORX® bits





Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: Ball end, tough, for universal use

	0	[]; mm	[;	
05 <b>059700</b> 001	TX 10	89	3 1/2"	
05 <b>059701</b> 001	TX 15	89	3 1/2"	
05 <b>059702</b> 001	TX 20	89	3 1/2"	
05 <b>059703</b> 001	TX 25	89	3 1/2"	
05 <b>059704</b> 001	TX 30	89	3 1/2"	
05 <b>059705</b> 001	TX 40	89	3 1/2"	

### Tip



### TORX® ball tip



The spherical drive profile means that it is possible to swivel the axis of the tool to that of the screw, and therefore enable angled, "around-the-corner" screwdriving jobs.



### The HF profile



In tight assembly or disassembly situations, for example in engine compartments, it is not possible to securely hold the screw with the hand on the screwdriver, and the screw subsequently often gets lost. Lengthy searches or the loss of the screw (with the associated danger that could bring about) are the consequence. The HF

tools developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that the screw is securely held on the tool!

#### 867/4 H TORX® bits



867/4 TORX® HF bits with holding function

[,

mm

50

89

50

89

50

89

50

50

89

50

89

50

89

50

2"

3 1/,"

2"

3 1/,"

2"

3 1/2"

2"

2"

3 1/, 1

2"

3 1/,"

2"

3 1/,"

2"

3 1/,"

0

TX 8

TX 10

TX 10

TX 15

TX 15

TX 20

TX 20

TX 25

TX 25

TX 27

TX 27

TX 30

TX 30

TX 40

TX 40

 $^{1}\!/_{_4}$ " hexagon, suitable for DIN ISO 1173-F 6,3 bit holders Holding function for TORX® screws made according to Acument

Intellectual Properties specifications, tough, for universal use

Ø

mm

3,0

4,0

4,0

4.0

4,0

4,5

4,5

6.0

6,0

6,0

6,0

6,0

6,0

Application: TORX® socket screws

**Drive:** 

Design:

05**060080**001

05060360001

05**060081**001

05060361001

05060082001

05060362001

05**060083**001

05060084001

05060363001

05060085001

05060364001

05060086001

05**060365**001

05060087001

05060366001

Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6.3 bit holders

**Design:** Extra-hard

	0	[]; mm	[;	Ø mm	
05 <b>135170</b> 001	TX 5	50	2"	3,0	
05 <b>135171</b> 001	TX 5	70	2 3/4"	3,0	
05 <b>135172</b> 001	TX 6	50	2"	3,0	
05 <b>135180</b> 001	TX 6	70	2 3/4"	3,0	
05 <b>135174</b> 001	TX 8	50	2"	3,0	
05 <b>135182</b> 001	TX 8	70	2 3/4"	3,0	
05 <b>135176</b> 001	TX 10	50	2"	4,0	
05 <b>135184</b> 001	TX 10	70	2 3/4"	4,0	
05 <b>135185</b> 001	TX 15	50	2"	4,0	
05 <b>135186</b> 001	TX 15	70	2 3/4"	4,0	

### 867/4 H: A vacuum-hardened bit



Vacuum hardening is the cleanest and most environmentally friendly of all hardening methods. The environment inside the vacuum chamber is unreactive, even to alloys which are especially prone to oxidation. For all grades of steel, vacuum heat treatment is the optimum heat treatment, and represents state of the art technology.



# Bits for TORX® Screws



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 867/4 Z TORX® bits



Application: TORX® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** For universal use

	0	[];	[],	$\varnothing$	
		mm		mm	
05 <b>135200</b> 001	TX 1	50	2"	2,0	
05 <b>135201</b> 001	TX 2	50	2"	2,0	
05 <b>135202</b> 001	TX 3	50	2"	2,0	
05 <b>135204</b> 001	TX 4	50	2"	3,0	
05 <b>135205</b> 001	TX 5	50	2"	3,0	
05 <b>308428</b> 001	TX 6	50	2"	3,0	
05 <b>134740</b> 001	TX 6	70	2 3/4"	3,0	
05 <b>332600</b> 001	TX 6	89	3 1/2"	3,0	
05 <b>328448</b> 001	TX 6	152	6"	3,0	
05 <b>160830</b> 001	TX 7	50	2"	3,0	
05 <b>345047</b> 001	TX 7	70	2 3/,"	3,0	
05 <b>060131</b> 001	TX 8	50	2 <sup>3</sup> / <sub>4</sub> " 2"	3,0	
05 <b>060098</b> 001	TX 8	70	2 3/4"	3,0	
05 <b>060185</b> 001	TX 8	89	3 1/2"	3,0	
05 <b>060195</b> 001	TX 8	152	6"	3,0	
05 <b>319835</b> 001	TX 9	70	2 3/4"	3,0	
05 <b>060193</b> 001	TX 9	89	3 1/2"	3,0	
05 <b>060194</b> 001	TX 9	152	6"	3,0	
05 <b>060132</b> 001	TX 10	50	2"	4,0	
05 <b>060100</b> 001	TX 10	70	2 3/4"	4,0	
05 <b>060186</b> 001	TX 10	89	3 1/2"	4,0	
05 <b>060196</b> 001	TX 10	152	6"	4,0	
05 <b>060133</b> 001	TX 15	50	2"	4,0	
05 <b>060105</b> 001	TX 15	70	2 3/4"	4,0	
05 <b>060187</b> 001	TX 15	89	3 1/2"	4,0	
05 <b>060197</b> 001	TX 15	152	6"	4,0	
05 <b>060134</b> 001	TX 20	50	2"	4,5	
05 <b>060110</b> 001	TX 20	70	2 3/4"	4,5	
05 <b>060188</b> 001	TX 20	89	3 1/2"	4,5	
05 <b>060198</b> 001	TX 20	152	6"	4,5	
05 <b>060135</b> 001	TX 25	50	2"	6,0	
05 <b>060115</b> 001	TX 25	70	2 3/4"	6,0	
05 <b>060189</b> 001	TX 25	89	3 1/2"	6,0	
05 <b>060199</b> 001	TX 25	152	6"	6,0	
05 <b>060136</b> 001	TX 27	50	2"	6,0	
05 <b>060120</b> 001	TX 27	70	2 3/4"	6,0	
05 <b>060190</b> 001	TX 27	89	3 1/2"	6,0	
05 <b>060200</b> 001	TX 27	152	6"	6,0	
05 <b>060137</b> 001	TX 30	50	2"	6,0	
05 <b>060125</b> 001	TX 30	70	2 3/4"	6,0	
05 <b>060191</b> 001	TX 30	89	3 1/2"	6,0	
05 <b>060201</b> 001	TX 30	152	6"	6,0	
05 <b>060138</b> 001	TX 40	50	2"	-	
05 <b>060130</b> 001	TX 40	70	2 3/4"	-	
05 <b>060192</b> 001	TX 40	89	3 1/2"	-	
05 <b>060202</b> 001	TX 40	152	6"	-	



<sup>5</sup>/<sub>16</sub>" hexagon drive, suitable for D 8 bit holders or direct drive (series 2)

### 867/2 Z TORX® bits



Application: TORX® socket screws

**Drive:**  ${}^{5}/_{16}$ " hexagon, suitable for DIN ISO 1173-D 8 bit holders

**Design:** Tough, for universal use

	0	[; mm	];	Ø	
05 <b>066901</b> 001	TX 20	35	1 3/8"	4,5	
05 <b>066930</b> 001	TX 20	50	2"	4,5	
05 <b>066945</b> 001	TX 20	70	2 3/4"	4,5	
05 <b>066935</b> 001	TX 20	100	4"	4,5	
05 <b>066900</b> 001	TX 25	35	1 3/8"	5,8	
05 <b>066931</b> 001	TX 25	50	2"	5,8	
05 <b>066946</b> 001	TX 25	70	2 3/4"	5,8	
05 <b>066936</b> 001	TX 25	100	4"	5,8	
05 <b>066902</b> 001	TX 27	35	1 3/8"	5,8	
05 <b>066932</b> 001	TX 27	50	2"	5,8	
05 <b>066937</b> 001	TX 27	100	4"	5,8	
05 <b>066905</b> 001	TX 30	35	1 3/8"	6,0	
05 <b>066933</b> 001	TX 30	50	2"	6,0	
05 <b>066947</b> 001	TX 30	70	2 3/4"	6,0	
05 <b>066938</b> 001	TX 30	100	4"	6,0	
05 <b>066910</b> 001	TX 40	35	1 3/8"	7,0	
05 <b>066934</b> 001	TX 40	50	2"	7,0	
05 <b>066948</b> 001	TX 40	70	2 3/4"	7,0	
05 <b>066939</b> 001	TX 40	100	4"	7,0	
05 <b>066915</b> 001	TX 45	35	1 3/8"	-	
05 <b>066940</b> 001	TX 45	50	2"	-	
05 <b>066949</b> 001	TX 45	70	2 3/4"	-	
05 <b>066942</b> 001	TX 45	100	4"	-	
05 <b>066920</b> 001	TX 50	35	1 3/8"	-	
05 <b>066941</b> 001	TX 50	50	2"	-	
05 <b>066950</b> 001	TX 50	70	2 3/4"	-	
05 <b>066943</b> 001	TX 50	100	4"	-	
05 <b>066925</b> 001	TX 55	35	1 3/8"	12,0	
05 <b>136220</b> 001	TX 60	35	1 3/8"	14,0	



4 mm

# 4 mm Halfmoon direct drive (series 9)

### 867/9 C TORX® bits, halfmoon



**Application:** TORX® socket screws **Drive:** Halfmoon, 4 mm

**Design:** Precision hardened for sensitive applications

	0	[];	[,	Ø	
		mm		mm	
05 <b>135220</b> 001	TX 1	44	1 47/64"	1,5	
05 <b>135221</b> 001	TX 2	44	1 47/64"	1,5	
05 <b>135222</b> 001	TX 3	44	1 47/64"	1,7	
05 <b>345352</b> 001	TX 4	44	1 47/64"	1,8	
05 <b>345018</b> 001	TX 4	64	2 33/64"	2,0	
05 <b>345351</b> 001	TX 5	44	1 47/ "	3,0	
05 <b>345032</b> 001	TX 5	64	2 33/64"	2,0	
05 <b>314753</b> 001	TX 5	70	2 3/4"	2,0	
05 <b>345350</b> 001	TX 6	44	1 47/64"	3,0	
05 <b>345056</b> 001	TX 6	64	2 33/64"	2,0	
05 <b>332610</b> 001	TX 6	70	2 3/4"	3,0	
05 <b>345035</b> 001	TX 7	64	2 33/64"	2,3	
05 <b>345026</b> 001	TX 8	44	1 47/64"	3,0	
05 <b>345028</b> 001	TX 8	64	2 33/64"	3,0	
05 <b>332609</b> 001	TX 8	70	2 3/4"	3,0	
05 <b>332607</b> 001	TX 10	70	2 3/4"	3,0	



# Bits for Tamper-proof TORX® BO Screws with safety pin



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

### 867/1 Z TORX® BO bits



**Application:** TORX® socket screws with safety pin (BO = with bore hole)

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** TORX® with bore hole, tough, for universal use

	•	[]; mm	];		
05 <b>066497</b> 001	TX 7	25	1"		
05 <b>066498</b> 001	TX 8	25	1"		
05 <b>066499</b> 001	TX 9	25	1"		
05 <b>066500</b> 001	TX 10	25	1"		
05 <b>066505</b> 001	TX 15	25	1"		
05 <b>066510</b> 001	TX 20	25	1"		
05 <b>066515</b> 001	TX 25	25	1"		
05 <b>066520</b> 001	TX 27	25	1"		
05 <b>066525</b> 001	TX 30	25	1"		
05 <b>066530</b> 001	TX 40	25	1"		



### 1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 3867/4 TORX® BO bits with bore hole, stainless





**Application:** TORX® socket screws with safety pin (BO = with bore hole)

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Stainless steel for minimising rust

	•	[; mm	[;	Ø
05 <b>071089</b> 001	TX 10 B0	89	3 1/2"	4,0
05 <b>071090</b> 001	TX 15 B0	89	3 1/2"	4,0
05 <b>071091</b> 001	TX 20 B0	89	3 1/2"	4,5
05 <b>071092</b> 001	TX 25 B0	89	3 1/2"	5,5
05 <b>071094</b> 001	TX 30 B0	89	3 1/2"	6,0

### 867/4 Z TORX® BO bits with bore hole



**Application:** TORX® socket screws with safety pin (BO = with bore hole)

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** TORX® with bore hole, tough, for universal use

		П+	П.	$\alpha$	
	<b>⊙</b>	[],	[,	$\varnothing$	
		mm		mm	
05 <b>060139</b> 001	TX 8	70	2 3/4"	3,0	
05 <b>060048</b> 001	TX 8	89	3 1/2"	3,0	
05 <b>060049</b> 001	TX 9	89	3 1/2"	3,0	
05 <b>060140</b> 001	TX 10	70	2 3/4"	4,0	
05 <b>060050</b> 001	TX 10	89	3 1/2"	4,0	
05 <b>060141</b> 001	TX 15	70	2 3/4"	4,0	
05 <b>060051</b> 001	TX 15	89	3 1/2"	4,0	
05 <b>060142</b> 001	TX 20	70	2 3/4"	4,5	
05 <b>060052</b> 001	TX 20	89	3 1/2"	4,5	
05 <b>060143</b> 001	TX 25	70	2 3/4"	6,0	
05 <b>060053</b> 001	TX 25	89	3 1/2"	6,0	
05 <b>060144</b> 001	TX 27	70	2 3/4"	6,0	
05 <b>060057</b> 001	TX 27	89	3 1/2"	6,0	
05 <b>060145</b> 001	TX 30	70	2 3/4"	6,0	
05 <b>060054</b> 001	TX 30	89	3 1/2"	6,0	
05 <b>060146</b> 001	TX 40	70	2 3/4"	-	
05 <b>060056</b> 001	TX 40	89	3 1/2"	-	



### **Bits for TORX PLUS® Screws**



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

### 867/1 IP TORX PLUS® bits



**Application:** TORX PLUS® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Tough, for universal use

	0	[,	[];		
		mm			
05 <b>135120</b> 001	1 IP	25	1"		
05 <b>135121</b> 001	2 IP	25	1"		
05 <b>160956</b> 001	3 IP	25	1"		
05 <b>134695</b> 001	4 IP	25	1"		
05 <b>066272</b> 001	5 IP	25	1"		
05 <b>066274</b> 001	6 IP	25	1"		
05 <b>066276</b> 001	7 IP	25	1"		
05 <b>066278</b> 001	8 IP	25	1"		
05 <b>066279</b> 001	9 IP	25	1"		
05 <b>066280</b> 001	10 IP	25	1"		
05 <b>066282</b> 001	15 IP	25	1"		
05 <b>066284</b> 001	20 IP	25	1"		
05 <b>066286</b> 001	25 IP	25	1"		
05 <b>066287</b> 001	27 IP	25	1"		
05 <b>066288</b> 001	30 IP	25	1"		
05 <b>066290</b> 001	40 IP	25	1"		

### 867/4 IP TORX PLUS® bits



**Application:** TORX PLUS® socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use

		П4	П	$\sim$	
	0	[];	[,	$\varnothing$	
		mm		mm	
05 <b>134664</b> 001	1 IP	50	2"	2,0	
05 <b>134665</b> 001	2 IP	50	2"	2,0	
05 <b>134668</b> 001	3 IP	50	2"	2,0	
05 <b>134691</b> 001	4 IP	50	2"	3,0	
05 <b>134678</b> 001	5 IP	50	2"	3,0	
05 <b>134680</b> 001	6 IP	50	2"	3,0	
05 <b>134667</b> 001	6 IP	89	3 1/2"	3,0	
05 <b>134690</b> 001	6 IP	152	6"	3,0	
05 <b>134681</b> 001	7 IP	50	2"	3,0	
05 <b>134679</b> 001	8 IP	50	2"	3,0	
05 <b>134670</b> 001	8 IP	89	3 1/2"	3,0	
05 <b>134682</b> 001	8 IP	152	6"	3,0	
05 <b>160917</b> 001	9 IP	50	2"	3,0	
05 <b>134669</b> 001	9 IP	89	3 1/2"	3,0	
05 <b>134683</b> 001	10 IP	50	2"	4,0	
05 <b>134684</b> 001	10 IP	70	2 3/4"	4,0	
05 <b>134671</b> 001	10 IP	89	3 1/2"	4,0	
05 <b>134685</b> 001	15 IP	50	2"	4,0	
05 <b>134686</b> 001	15 IP	70	2 3/4"	4,0	
05 <b>134672</b> 001	15 IP	89	3 1/2"	4,0	
05 <b>134687</b> 001	20 IP	50	2"	4,5	
05 <b>134688</b> 001	20 IP	70	2 3/4"	4,5	
05 <b>134673</b> 001	20 IP	89	3 1/2"	4,5	
05 <b>134674</b> 001	25 IP	89	3 1/2"	6,0	
05 <b>134675</b> 001	27 IP	89	3 1/2"	6,0	
05 <b>320430</b> 001	30 IP	50	2"	6,0	
05 <b>134676</b> 001	30 IP	89	3 1/2"	6,0	
05 <b>134677</b> 001	40 IP	89	3 1/2"	-	



### 4 mm 4 mm Halfmoon direct drive (series 9)

#### 867/9 C IP TORX PLUS® bits, halfmoon



**Application:** TORX PLUS® screws **Drive:** Halfmoon, 4 mm

**Design:** Precision hardened for sensitive applications

	0	[; mm	[];	Ø	I; mm	Î;	
05 <b>135230</b> 001	1 IP	44	1 <sup>47</sup> / <sub>64</sub> "	1,5	20	<sup>25</sup> / <sub>32</sub> "	
05 <b>135231</b> 001	2 IP	44	1 47/ <sub>64</sub> "	1,5	20	25/_"	
05 <b>135232</b> 001	3 IP	44	1 <sup>47</sup> / <sub>64</sub> "	1,7	20	25/_"	
05 <b>326310</b> 001	4 IP	44	1 47/ <sub>64</sub> "	2,0	20	25/_"	
05 <b>345019</b> 001	4 IP	64	2 33/64"	2,0	20	<sup>25</sup> / <sub>32</sub> "	
05 <b>135233</b> 001	5 IP	44	1 47/ <sub>64</sub> "	2,0	20	25/_"	
05 <b>332612</b> 001	5 IP	70	2 3/4"	3,0	20	25/_"	
05 <b>344900</b> 001	6 IP	44	1 47/ <sub>64</sub> "	2,25	20	25/_"	
05 <b>135234</b> 001	8 IP	44	1 <sup>47</sup> / <sub>64</sub> "	3,0	20	<sup>25</sup> / <sub>32</sub> "	
05 <b>332606</b> 001	8 IP	70	2 3/4"	3,0	20	25/_"	
05 <b>135235</b> 001	10 IP	44	1 47/64	3,0	20	25/_"	



## Bits for Tamper-proof TORX PLUS® IPR Screws



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 867/1 IPR TORX PLUS® bits with bore hole



**Application:** TORX PLUS® IPR socket screws with safety pin

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Tough, for universal use

	0	[]; mm	<b>[</b> ;		
05 <b>134699</b> 001	8 IPR	25	1"		
05 <b>134698</b> 001	9 IPR	25	1"		
05 <b>134700</b> 001	10 IPR	25	1"		
05 <b>134701</b> 001	15 IPR	25	1"		
05 <b>134702</b> 001	20 IPR	25	1"		
05 <b>134703</b> 001	25 IPR	25	1"		
05 <b>134704</b> 001	27 IPR	25	1"		
05 <b>134705</b> 001	30 IPR	25	1"		
05 <b>134706</b> 001	40 IPR	35	1 3/8"		
05 <b>134707</b> 001	45 IPR	35	1 3/8"		





### 1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 867/4 IPR TORX PLUS® bits with bore hole



**Application:** TORX PLUS® IPR socket screws with safety pin

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Tough, for universal use

	0	[],	[],	Ø	
		mm		mm	
05 <b>134600</b> 001 1)	1 IPR	50	2"	2,0	
05 <b>134601</b> 001 1)	3 IPR	50	2"	2,0	
05 <b>134602</b> 001 1)	5 IPR	50	2"	3,0	
05 <b>134603</b> 001 1)	6 IPR	50	2"	3,0	
05 <b>134604</b> 001	8 IPR	50	2"	3,0	
05 <b>160821</b> 001	10 IPR	50	2"	4,0	
05 <b>134657</b> 001	10 IPR	89	3 1/2"	4,0	
05 <b>134654</b> 001	15 IPR	50	2"	4,0	
05 <b>134720</b> 001	15 IPR	89	3 1/2"	4,0	
05 <b>204126</b> 001	20 IPR	50	2"	4,5	
05 <b>259135</b> 001	20 IPR	89	3 1/2"	4,5	
05 <b>134655</b> 001	25 IPR	50	2"	6,0	
05 <b>134722</b> 001	25 IPR	89	3 1/2"	6,0	
05 <b>134656</b> 001	27 IPR	50	2"	6,0	
05 <b>134658</b> 001	27 IPR	89	3 1/2"	6,0	
05 <b>134732</b> 001	30 IPR	50	2"	6,0	
05 <b>134723</b> 001	30 IPR	89	3 1/2"	6,0	



1) Without bore hole



### 4 mm 4 mm Halfmoon direct drive (series 9)

#### 867/9 IPR TORX PLUS® bits



**Application:** TORX PLUS® IPR socket screws

Drive: Halfmoon, 4 mm

Design: Tough, for universal use

	0	[]; mm	[;	Ø
05 <b>200495</b> 001	1 IPR	44	1 47/64"	1,5
05 <b>060380</b> 001	1 IPR	44	1 47/64"	1,8
05 <b>135226</b> 001	1 IPR	64	2 33/64"	1,5
05 <b>135228</b> 001	3 IPR	44	1 47/64"	1,8
05 <b>135229</b> 001	3 IPR	64	2 33/64"	1,8



## Bits for Hexagon Socket Screws



1/411

1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 840/1 IMP DC Impaktor bits











Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design:

The Impaktor technology ensures an above-average service life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (blue = hexagon) and large stamp to enable the desired bit to be easily

	Omm	[]; mm	[],	
05 <b>057603</b> 001	3,0	25	1"	
05 <b>057604</b> 001	4,0	25	1"	
05 <b>057605</b> 001	5,0	25	1"	
05 <b>057606</b> 001	6,0	25	1"	

#### 842/1 Z bits







Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design: Ball end, tough, for universal use

	0	0	];	[,	
	mm		mm		
05 <b>056350</b> 001	2,5		25	1"	
05 <b>056352</b> 001	3,0		25	1"	
05 <b>056354</b> 001	4,0		25	1"	
05 <b>056356</b> 001	5,0		25	1"	
05 <b>056358</b> 001	6,0		25	1"	
05 <b>380103</b> 001		3/32"	25	1"	
05 <b>380104</b> 001		7/ <mark>"</mark>	25	1"	
05 <b>380105</b> 001		1/,"	25	1"	
05 <b>380106</b> 001		9/ "	25	1"	
05 <b>380107</b> 001		5/32"	25	1"	
05 <b>380108</b> 001		3/16	25	1"	
05 <b>380109</b> 001		7/ <sub>32</sub> "	25	1"	
05 <b>380110</b> 001		1/4"	25	1"	

#### 3840/1 TS bits, stainless











Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design:

Hex-Plus, stainless steel for minimising rust, special torsion-style design to reduce premature wear. Take it easy toolfinder: Output colour coding (blue = hexagon) and large stamp to enable the desired bit to be easily located.

	0	0	[,	[];	
	mm		mm		
05 <b>071070</b> 001	1,5		25	1"	
05 <b>071071</b> 001	2,0		25	1"	
05 <b>071072</b> 001	2,5		25	1"	
05 <b>071073</b> 001	3,0		25	1"	
05 <b>071074</b> 001	4,0		25	1"	
05 <b>071075</b> 001	5,0		25	1"	
05 <b>071077</b> 001	5,5		25	1"	
05 <b>071076</b> 001	6,0		25	1"	
05 <b>071060</b> 001		3/32"	25	1"	
05 <b>071061</b> 001		7/ <sub>64</sub> "	25	1"	
05 <b>071062</b> 001		1/,"	25	1"	
05 <b>071063</b> 001		9/64"	25	1"	
05 <b>071064</b> 001		5/32"	25	1"	
05 <b>071065</b> 001		3/16"	25	1"	
05 <b>071066</b> 001		1/4"	25	1"	

#### 840/1 BTZ bits







Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

Design:

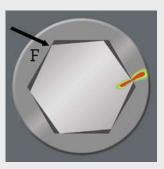
Hex-Plus, BiTorsion for long service life, extra-tough, for universal use. Take it easy toolfinder: Output colour coding (blue = hexagon) and large stamp to enable the desired bit to be easily located.

	O	]; mm	];	
05 <b>056680</b> 001	1,5	25	1"	
05 <b>056681</b> 001	2,0	25	1"	
05 <b>056682</b> 001	2,5	25	1"	
05 <b>056683</b> 001	3,0	25	1"	
05 <b>056684</b> 001	4,0	25	1"	
05 <b>056685</b> 001	5,0	25	1"	
05 <b>056686</b> 001	5,5	25	1"	
05 <b>056687</b> 001	6,0	25	1"	

### Tip

## HEX-PLUS

### Conventional hex tools versus Hex-Plus



Conventional hex toold have a small contact surface along a narrow line. The notching effext grinds the inside of the screw-head and destroys it.

#### 840/1 Z bits



Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Hex-Plus, tough, for universal use

	O	0	[];	[],	
05 <b>056303</b> 001	1,5		25	1"	_
05 <b>056305</b> 001	2,0		25	1"	_
05 <b>056310</b> 001	2,5		25	1"	_
05 <b>056315</b> 001	3,0		25	1"	_
05 <b>056320</b> 001	4,0		25	1"	
05 <b>056325</b> 001	5,0		25	1"	
05 <b>056330</b> 001	6,0		25	1"	
05 <b>056332</b> 001	7,0		25	1"	
05 <b>056335</b> 001	8,0		25	1"	
05 <b>056340</b> 001	10,0		25	1"	
05 <b>135060</b> 001		0,05"	25	1"	
05 <b>135070</b> 001		1/_"	25	1"	
05 <b>135071</b> 001		5/64	25	1"	
05 <b>135072</b> 001		3/32"	25	1"	
05 <b>135078</b> 001		7/64	25	1"	
05 <b>135073</b> 001		١/	25	1"	
05 <b>135069</b> 001		9/64"	25	1"	
05 <b>135074</b> 001		5/_"	25	1"	
05 <b>135075</b> 001		3/18	25	1"	
05 <b>135079</b> 001		7/32	25	1"	
05 <b>135076</b> 001		1/4"	25	1"	
05 <b>135077</b> 001		5/ <sub>16</sub> "	25	1"	
05 <b>135068</b> 001		3/8"	25	1"	

#### **Hex-Plus tools**



Hex-Plus tools have a greater contact surface that prevents this from happening! Good to know: Hex-Plus tools fit into every standard hexagon socket screw!



## Bits for Hexagon Socket Screws



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 840/4 IMP DC Impaktor bits











Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** The Impaktor technology ensures an above-average service

life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry, particularly suitable for use with conventional impact drivers, the rough diamond coating reduces the danger of any slipping out of the screw head due to the enhanced frictional resistance. Take it easy toolfinder: Output colour coding (blue = hexagon) and large stamp to enable the desired bit to be easily

located.

	O	]; mm	[];	
05 <b>057644</b> 001	4,0	50	2"	
05 <b>057645</b> 001	5,0	50	2"	
05 <b>057646</b> 001	6,0	50	2"	

#### 3840/4 Bits, stainless





Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Stainless steel for minimising rust

	O	0	[t mm	],	
05 <b>071101</b> 001	3,0		89	3 1/2"	
05 <b>071102</b> 001	4,0		89	3 1/2"	
05 <b>071103</b> 001	5,0		89	3 1/2"	
05 <b>071049</b> 001	5,5		50	2"	
05 <b>071104</b> 001	6,0		89	3 1/2"	
05 <b>071105</b> 001		3/32"	89	3 1/2"	
05 <b>071106</b> 001		1/ "	89	3 1/2"	
05 <b>071107</b> 001		5/32	89	3 1/2"	
05 <b>071108</b> 001		3/ <sub>16</sub> "	89	3 1/2"	

#### 840/4 Z bits



Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Hex-Plus, tough, for universal use

	0	0	[];	[,	Ø	
	mm		mm		mm	
05 <b>160885</b> 001	0,9		50	2"	2,6	
05 <b>059602</b> 001	1,5		50	2"	2,0	
05 <b>059603</b> 001	2,0		50	2"	4,0	
05 <b>059628</b> 001	2,0		89	3 1/2"	4,0	
05 <b>059604</b> 001	2,5		50	2"	4,0	
05 <b>059629</b> 001	2,5		89	3 1/2"	4,0	
05 <b>059605</b> 001	3,0		50	2"	4,0	
05 <b>059630</b> 001	3,0		89	3 1/2"	4,0	
05 <b>380033</b> 001	3,0		152	6"	4,0	
05 <b>059610</b> 001	4,0		50	2"	5,0	
05 <b>059631</b> 001	4,0		89	3 1/2"	5,0	
05 <b>059634</b> 001	4,0		152	6"	5,0	
05 <b>059615</b> 001	5,0		50	2"	6,0	
05 <b>059632</b> 001	5,0		89	3 1/2"	6,0	
05 <b>059635</b> 001	5,0		152	6"	6,0	
05 <b>059620</b> 001	6,0		50	2"	5,0	
05 <b>059633</b> 001	6,0		89	3 1/2"	-	
05 <b>059636</b> 001	6,0		152	6"	-	
05 <b>059625</b> 001	8,0		50	2"	-	
05 <b>350430</b> 001		0,05"	50	2"	2,5	
05 <b>135090</b> 001		1/_"	50	2"	2,5	
05 <b>380045</b> 001		1/,"	152	6"	4,0	
05 <b>135091</b> 001		1/ <sub>8</sub> " 5/ <sub>64</sub> "	50	2"	3,0	
05 <b>059660</b> 001		5/64	89	3 1/2"	3,0	
05 <b>135092</b> 001		3/32	50	2"	3,0	
05 <b>059661</b> 001		3/32	89	3 1/2"	3,5	
05 <b>135093</b> 001		7/ "	50	2"	3,5	
05 <b>059662</b> 001		7/64	89	3 1/2"	4,0	
05 <b>135094</b> 001		1/8"	50	2"	4,0	
05 <b>059663</b> 001		1/_"	89	3 1/2"	4,0	
05 <b>135095</b> 001		1/ <sub>8</sub> " 9/ <sub>64</sub> "	50	2"	4,5	
05 <b>059664</b> 001		9/ <sub>64</sub> "	89	3 1/2"	4,5	
05 <b>380046</b> 001		9/ <sub>64</sub> "	152	6"	4,5	
05 <b>135096</b> 001		5/ <sub>32</sub> "	50	2"	5,0	
05 <b>059665</b> 001		5/ <sub>32</sub>	89	3 1/2"	5,0	
05 <b>380047</b> 001		5/ <sub>32</sub> "	152	6"	5,0	
05 <b>135097</b> 001		3/ <sub>16</sub> "	50	2"	6,0	
05 <b>059666</b> 001		3/ <sub>16</sub>	89	3 1/2"	6,0	
05 <b>380048</b> 001		3/ <sub>16</sub> "	152	6"	6,0	
05 <b>135098</b> 001		7/ <sub>32</sub> "	50	2"	-	
05 <b>059667</b> 001		7/ <sub>32</sub>	89	3 1/2"	_	_
05 <b>380049</b> 001		7/ <sub>32</sub> 7/ <sub>32</sub> "	152	6"	_	
05 <b>135099</b> 001		1/4"	50	2"	-	
05 <b>059668</b> 001		1/4"	89	3 1/2"	_	
05 <b>380050</b> 001		1/ "	152	6"	-	
05 <b>346288</b> 001		1/ <sub>4</sub> "	50	2"		
JJ <b>J4UZUO</b> UU I		<sup>5</sup> / <sub>16</sub> "	JU		-	

### Tip



#### Impaktor-Bits



Impact-Bits are needed when a strong power tool (e.g. 18 volt impact screwdriver) is used. Impact bits were specifically developed to withstand high power tool forces.



HEX-PLUS Hex-Plus



Hexagon screws can endure a problem because the contact surfaces delivering the power from the conventional tool, is transferred to the screw via very small surface areas. The consequence: the screw can become damaged (rounding out). Hex-Plus tools have a greater contact surface that prevents this from happening! Good to know: Hex-Plus tools fit into every standard hexagon socket screw!



"Take it easy"



"Take it easy" tool finder with colour coding according to profiles and size stamp — for simple and rapid accessing of the required tool.



## Bits for Hexagon Socket Screws



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 842/4 Bits





Application: Hexagon socket screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Ball end, tough, for universal use

	0	0	];	];	
	mm		mm		
05 <b>059680</b> 001	3,0		89	3 1/2"	
05 <b>059681</b> 001	4,0		89	3 1/2"	
05 <b>059682</b> 001	5,0		89	3 1/2"	
05 <b>059683</b> 001	6,0		89	3 1/2"	
05 <b>380124</b> 001		3/32"	89	3 1/2"	
05 <b>380125</b> 001		7/ " 64	89	3 1/2"	
05 <b>380126</b> 001		1/_"	89	3 1/2"	
05 <b>380127</b> 001		9/64	89	3 1/2"	
05 <b>380128</b> 001		5/32"	89	3 1/2"	
05 <b>380129</b> 001		3/_"	89	3 1/2"	
05 <b>380130</b> 001		7/32	89	3 1/2"	
05 <b>380131</b> 001		1/4"	89	3 1/2"	



5/16" hexagon drive, suitable for D 8 bit holders or direct drive (series 2)

#### 840/2 Z Bits



Application: Hexagon socket screws

**Drive:**  $\frac{5}{16}$  hexagon, suitable for DIN ISO 1173-D 8 bit holders

**Design:** Hex-Plus, tough, for universal use

	0	0	[],	[],	
	mm		mm		
05 <b>057505</b> 001	3		30	1 <sup>3</sup> / <sub>16</sub> "	
05 <b>057510</b> 001	4		30	1 <sup>3</sup> / <sub>16</sub> "	
05 <b>057550</b> 001	4		50	2"	
05 <b>057560</b> 001	4		70	2"	
05 <b>057570</b> 001	4		100	4"	
05 <b>057515</b> 001	5		30	1 <sup>3</sup> / <sub>16</sub> "	
05 <b>057551</b> 001	5		50	2"	
05 <b>057561</b> 001	5		70	2 3/4"	
05 <b>057571</b> 001	5		100	4"	
05 <b>057520</b> 001	6		30	1 3/1"	
05 <b>057552</b> 001	6		50	2"	
05 <b>057562</b> 001	6		70	2 3/4"	
05 <b>057572</b> 001	6		100	4"	
05 <b>057553</b> 001	7		50	2"	
05 <b>057573</b> 001	7		100	4"	
05 <b>057525</b> 001	8		30	1 <sup>3</sup> / <sub>16</sub> "	
05 <b>057554</b> 001	8		50	2"	
05 <b>057563</b> 001	8		70	2 3/4"	
05 <b>057574</b> 001	8		100	4"	
05 <b>057530</b> 001	10		30	1 3/1"	
05 <b>057555</b> 001	10		50	2"	
05 <b>057575</b> 001	10		100	4"	
05 <b>221102</b> 001		5/32"	30	1 3/1"	
05 <b>057565</b> 001		5/32"	70	2 3/4"	
05 <b>135083</b> 001		3/16	30	1 3/1"	
05 <b>135084</b> 001		7/32"	30	1 3/1"	
05 <b>057566</b> 001		7/32	70	2 3/4"	
05 <b>135080</b> 001		1/4"	30	1 3/1"	
05 <b>057567</b> 001		1/4"	70	2 3/4"	
05 <b>135081</b> 001		5/16	30	1 <sup>3</sup> / <sub>16</sub> "	
05 <b>057568</b> 001		5/16	70	2 3/4"	
05 <b>135082</b> 001		3/8"	30	1 3/ "	



# Bits for Tamper-Proof Hexagon Socket Screws with safety pin



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 840/1 Z Tamper-proof Hex-Plus B0 bits



**Application:** Hexagon socket screws with safety pin (B0 = with bore hole)

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Hex-Plus with bore hole, tough, for universal use

	0	[];	[];	
	mm	mm		
05 <b>056341</b> 001	2,0	25	1"	
05 <b>056342</b> 001	2,5	25	1"	
05 <b>056343</b> 001	3,0	25	1"	
05 <b>056344</b> 001	4,0	25	1"	
05 <b>056345</b> 001	5,0	25	1"	
05 <b>056346</b> 001	6,0	25	1"	



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 840/4 Z Tamper-proof Hex-Plus BO bits



**Application:** Hexagon socket screws with safety pin (B0 = with bore hole)

**Drive:**  $\frac{1}{4}$  hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

**Design:** Hex-Plus with bore hole, tough, for universal use

	O mm	[; mm	[;	Ø	
05 <b>059640</b> 001	2,0	89	3 1/2"	4,0	
05 <b>059641</b> 001	2,5	89	3 1/2"	4,0	
05 <b>059642</b> 001	3,0	89	3 1/2"	4,0	
05 <b>059643</b> 001	4,0	89	3 1/2"	5,0	
05 <b>059644</b> 001	5,0	89	3 1/2"	6,0	
05 <b>059645</b> 001	6,0	89	3 1/2"	-	



## Bits for TORQ-SET® Screws



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 871/1 DC TORQ-SET® Mplus bits







Application: TORQ-SET® screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Mplus for higher breaking torque and longer service life,

diamond-coated for secure screw fit

	•	•	[; mm	];	Ø	
05 <b>066638</b> 001	4		25	1"	4,7	
05 <b>066640</b> 001	6		25	1"	4,7	
05 <b>066642</b> 001	8		25	1"	6,0	
05 <b>066644</b> 001	10		25	1"	6,0	
05 <b>066646</b> 001		1/4"	32	1 1/4"	11,0	

#### 871/1 TORQ-SET® Mplus bits, 32 mm





Application: TORQ-SET® screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Mplus for higher breaking torque and longer service life, tough,

for universal use

	•	[; mm	[,	Ø
05 <b>066634</b> 001	1/4"	32	1 1/4"	11,0
05 <b>066635</b> 001	5/_"	32	1 1/4"	11,0

#### 871/1 TORQ-SET $^{\circ}$ Mplus bits, 25 mm





Application: TORQ-SET® screws

**Drive:**  $^{1/4}$ " hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

**Design:** Mplus for higher breaking torque and longer service life, tough,

for universal use

	•	•	]; mm	[;	Ø	
05 <b>066618</b> 001	0		25	1"	4,7	
05 <b>066619</b> 001	1		25	1"	4,7	
05 <b>066620</b> 001	2		25	1"	4,7	
05 <b>066622</b> 001	3		25	1"	4,7	
05 <b>066624</b> 001	4		25	1"	4,7	
05 <b>066626</b> 001	5		25	1"	4,7	
05 <b>066628</b> 001	6		25	1"	4,7	
05 <b>066630</b> 001	8		25	1"	6,0	
05 <b>066632</b> 001	10		25	1"	6,0	
05 <b>066633</b> 001		1/4"	25	1"	6,0	



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

#### 871/4 DC TORQ-SET® Mplus bits







Application: TORQ-SET® screws

Drive: 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: Mplus for higher breaking torque and longer service life,

diamond-coated for secure screw fit

	•	•	[], mm	[;	
05 <b>324901</b> 001	2		50	2"	
05 <b>066688</b> 001	4		50	2"	
05 <b>066690</b> 001	6		50	2"	
05 <b>066692</b> 001	8		50	2"	
05 <b>066694</b> 001	10		50	2"	
05 <b>066696</b> 001		1/4"	50	2"	
05 <b>344515</b> 001		5/_"	50	2"	

#### 871/4 TORQ-SET® Mplus bits





Application: TORQ-SET® screws

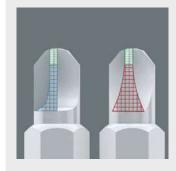
Drive: 1/4" hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: Mplus for higher breaking torque and longer service life

	•	_	П	П.	
	<b>U</b>	<b>G</b>	[],	],	
			mm		
05 <b>066660</b> 001	2		50	2"	
05 <b>066683</b> 001	2		89	3 1/2"	
05 <b>066662</b> 001	3		50	2"	
05 <b>066684</b> 001	3		89	3 1/2"	
05 <b>066664</b> 001	4		50	2"	
05 <b>066685</b> 001	4		89	3 1/2"	
05 <b>066666</b> 001	5		50	2"	
05 <b>066668</b> 001	6		50	2"	
05 <b>066676</b> 001	6		70	2 3/4"	
05 <b>066686</b> 001	6		89	3 1/2"	
05 <b>066670</b> 001	8		50	2"	
05 <b>066678</b> 001	8		70	2 3/4"	
05 <b>066687</b> 001	8		89	3 1/2"	
05 <b>066672</b> 001	10		50	2"	
05 <b>066680</b> 001	10		70	2 3/4"	
05 <b>066682</b> 001	10		89	3 1/2"	
05 <b>066674</b> 001		1/4"	50	2"	
05 <b>221110</b> 001		5/16"	50	2"	

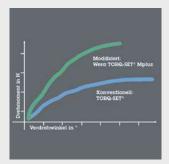
### Tip

#### Wera TORQ-SET® Mplus



Wera developed the Mplus profile with stronger flanks compared with tools with a conventional TORQ-SET® profile. This results in approximately 70 % extra torsional strength and greatly extends the service life of Wera Mplus tools.

#### TORQ-SET® versus Wera TORQ-SET® Mplus



Torque/torsion curve of both profiles (average value).

A comparison of the tool life shows a noticeable performance improvement.



#### Bits with diamond coating



The diamond coating of the DC bits lowers the danger of slipping as the minute diamond particles literally "bite" themselves into the screw head.



### Bits for TORQ-SET® Screws



<sup>5</sup>/<sub>16</sub>" hexagon drive, suitable for D 8 bit holders or direct drive (series 2)

#### 871/2 TORQ-SET® Mplus bits





Application: TORQ-SET® screws

**Drive:** 5/16" hexagon, suitable for DIN ISO 1173-D 8 bit holders

**Design:** Mplus for higher breaking torque and longer service life, tough,

for universal use

	•	•	[; mm	[,
05 <b>066650</b> 001	8		32	1 1/4"
05 <b>066652</b> 001	10		32	1 1/4"
05 <b>066654</b> 001		1/4"	32	1 1/4"
05 <b>066656</b> 001		5/ "	32	1 1/4"
05 <b>066658</b> 001		3/8"	32	1 1/4"



<sup>5</sup>/<sub>16</sub>" hexagon drive, suitable for F 8 bit holders or direct drive (series 6)

#### 871/6 TORQ-SET® Mplus bits





Application: TORQ-SET® screws

**Drive:**  ${}^{5}\!/_{16}{}^{"}$  hexagon, suitable for DIN ISO 1173-F 8 bit holders

**Design:** Mplus for higher breaking torque and longer service life

	•	•	∏; mm	[];	$ ot\!$	
05 <b>066700</b> 001	8		35	1 3/8"	6,0	
05 <b>066702</b> 001	10		35	1 3/8"	6,0	
05 <b>066704</b> 001		1/4"	35	1 3/8"	11,0	



7/16" hexagon drive, suitable for F 11,2 bit holders or direct drive (series 7)

#### 871/7 TORQ-SET® Mplus bits





Application: TORQ-SET® screws

**Drive:**  $\frac{7}{16}$  hexagon, suitable for power tools with

DÍŇ ISO 1173-F 11,2 chuck

**Design:** Mplus for higher breaking torque and longer service life

	•	[]; mm	[;	Ø	
05 <b>066740</b> 001	1/4"	35	1 <sup>3</sup> / <sub>8</sub> "	11,0	
05 <b>066742</b> 001	5/_"	35	1 <sup>3</sup> / <sub>8</sub> "	11,0	
05 <b>066744</b> 001	3/ "	35	1 3/8"	11,0	
05 <b>066746</b> 001	7/ <sub>16</sub> "	35	1 3/8"	11,0	



5/8" direct drive hexagon (series 19)

#### 871/19 TORQ-SET® Mplus bits





**Application:** TORQ-SET® screws **Drive:** 5/, " hexagon

**Design:** Mplus for higher breaking torque and longer service life

	•	[; mm	[],	
05 <b>066750</b> 001	1/"	40	1 9/ "	
05 <b>066752</b> 001	9/ "	40	1 9/16	
05 <b>066754</b> 001	5/8"	40	1 9/16"	



### Bits for TRI-WING® Screws



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 875/1 TRI-WING® bits, 25 mm



Application: TRI-WING® screws

**Drive:** 

Design: Tough, for universal use

	4	[]; mm	];	Ø	
05 <b>066758</b> 001	0	25	1"	4,7	
05 <b>066760</b> 001	1	25	1"	4,7	
05 <b>066762</b> 001	2	25	1"	4,7	
05 <b>066764</b> 001	3	25	1"	4,7	
05 <b>066766</b> 001	4	25	1"	6,2	
05 <b>066768</b> 001	5	25	1"	6,2	

#### 875/1 TRI-WING® bits, 32 mm



Application: TRI-WING® screws

 $^{1\!/}_{_{\!4}}{}^{\scriptscriptstyle I}$  hexagon, suitable for DIN ISO 1173-D 6,3 bit holders **Drive:** 

Design: Tough, for universal use

	4	[]; mm	[;	Ø
05 <b>066770</b> 001	6	32	1 1/4"	11,0
05 <b>066772</b> 001	7	32	1 1/4"	11,0
05 <b>066774</b> 001	8	32	1 1/4"	12,5



1/4" hexagon drive, suitable for F 6,3 bit holders (series 4)

5/16" hexagon drive, suitable for F 8 bit holders or direct drive (series 6)

#### 875/4 TRI-WING® bits



Application: TRI-WING® screws

**Drive:**  $^{1}/_{_{4}}$ " hexagon, suitable for DIN ISO 1173-F 6,3 bit holders

Design: Tough, for universal use

	4	[]; mm	[;	
05 <b>066785</b> 001	1	89	3 1/2"	
05 <b>066786</b> 001	2	89	3 1/2"	
05 <b>066787</b> 001	3	89	3 1/2"	
05 <b>066780</b> 001	4	50	2"	
05 <b>066788</b> 001	4	89	3 1/2"	
05 <b>066782</b> 001	5	50	2"	
05 <b>066784</b> 001	6	50	2"	

#### 875/6 TRI-WING® bits



Application: TRI-WING® screws

 $^{5}/_{16}$ " hexagon, suitable for DIN ISO 1173-F 8 bit holders **Drive:** 

Design: Tough, for universal use

	4	[]' mm	<b>]</b> ;	Ø mm	
05 <b>066790</b> 001	6	35	1 <sup>3</sup> / <sub>8</sub> "	11,0	
05 <b>066792</b> 001	7	35	1 3/8"	11,0	
05 <b>066794</b> 001	8	35	1 3/8"	12,5	



## **Bits for Hi-TORQUE Screws**



1/4" hexagon drive, suitable for D 6,3 bit holders (series 1)

#### 800/1 HTN Hi-TORQUE bits





**Application:** Hi-TORQUE screws

**Drive:** 1/4" hexagon, suitable for DIN ISO 1173-D 6,3 bit holders

	-	[; mm	[;	
05 <b>055950</b> 001	1	32	1 1/4"	
05 <b>055951</b> 001	2	32	1 1/4"	
05 <b>055952</b> 001	3	32	1 1/4"	
05 <b>055953</b> 001	4	32	1 1/4"	

#### 700 A HTS Hi-TORQUE bits





**Application:** For Hi-TORQUE screws **Drive:** 1/4"-square drive socket

	•	[; mm	[;	
05 <b>040030</b> 001	0	25	1"	
05 <b>040031</b> 001	1	25	1"	
05 <b>040032</b> 001	2	25	1"	
05 <b>040033</b> 001	3	25	1"	
05 <b>040034</b> 001	4	25	1"	

#### 700 B HTS Hi-TORQUE bits





**Application:** For Hi-TORQUE screws **Drive:** 3/8"-square drive socket

	-	[; mm	[;	
05 <b>040040</b> 001	3	25	1"	
05 <b>040041</b> 001	4	25	1"	
05 <b>040042</b> 001	5	32	1 1/4"	
05 <b>040043</b> 001	6	32	1 1/4"	

#### 700 C HTS Hi-TORQUE bits





**Application:** For Hi-TORQUE screws **Drive:** 1/2"-square drive socket

	•	[t mm	[;	
05 <b>040045</b> 001	7	42	1 5/8"	
05 <b>040046</b> 001	8	42	1 5/8"	
05 <b>040047</b> 001	9	42	1 5/8"	
05 <b>040048</b> 001	10	42	1 5/8"	
05 <b>040049</b> 001	12	60	2 3/8"	





## **Holders and Adaptors**

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## Bit Holders and Adaptors

We were not happy that bit change with bit holders was often quite cumbersome. We found out that strong magnets or retaining rings indeed hold the bit securely, but they greatly impede removal from the holder.

So we have developed bit holders that indeed reliably hold the bit, yet still allow for fast and trouble-free bit change. The solution: bit holders with quick-release mechanisms that lift the bit from the magnets. Bit holders which — depending on the requirements — additionally have elastic zones that absorb peak loads. Or rapid-spin sleeves with which the cordless or electric screwdrivers can be guided during the screwdriving process.

#### Impaktor holder

Suitable for extra high torque e.g. from modern 18 volt impact screwdrivers with particularly high resilience. Reduces the risk of premature breakage of the holder or bit and increases the productivity when screwdriving with power tools.





Holder with quick-release chuck
The magnetic design enables simplified
positioning of the screw. The non-magnetic version prevents any unwanted
attraction of metal filings.

#### BiTorsion holder

Designed with special BiTorsion zone. The energy from peak loads is diverted into the BiTorsion zone. Considerable reduction of the risk of breakage, much longer service life.





Universal holder with retaining ring Proven holder design, optimal fitting of the tool in the holder. Particularly robust for series applications.

#### Rapidaptor holder

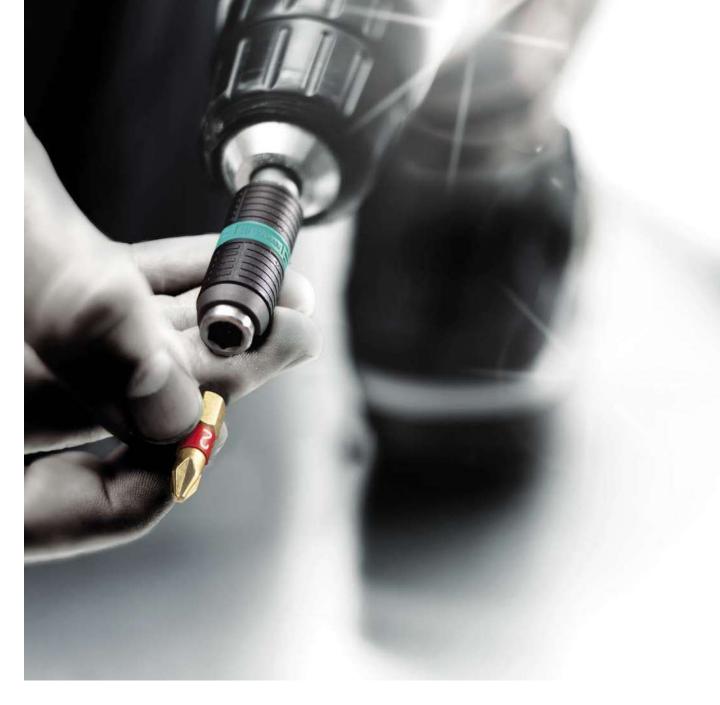
Rapid bit change without needing any additional tools. One-hand operation with a freely spinning sleeve for simplified guidance of the tool. Also available in a BiTorsion design.





Copper Beryllium universal holder with retaining ring

Very strong design thus minimising wear and tear. Particularly suitable for screwdriving jobs with high torque or peak loads. Very high resistance to corrosion.





Universal holder with stainless steel sleeve
The retaining ring and the strong permanent magnet ensure a particularly secure fitting of the bit in the holder.

## **Impaktor Bit Holders**

## For an above-average service life

## 897/4 IMP Impaktor holder with retaining ring and magnet







Impaktor holder to cushion extreme impulse peaks, special torsion effect from the double-torsion spring, equipped with a retaining ring for a secure fit of the bits in the holder, holder out of stainless steel, fitted with magnet for a secure positioning of the bit and screw.

**Output:** Suitable for bits with  $\frac{1}{4}$  hexagon head drive as per

DIN ISO 1173-C 6,3 and Wera Series 1

**Design:** The Impaktor technology ensures an above-average service life

even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry (two coupled torsion zones that perform successively), fitted with strong

retaining ring and magnet

**Drive:** 1/4" hexagon, suitable for power driven screwdrivers with

DIN ISO 1173-F 6,3 chucks

		mm	₽,	0	
05 <b>057675</b> 001	1/,"	75	3"	1/,"	

## 897/4 IMP R Impaktor holder with retaining ring and ring magnet







Impaktor holder to cushion extreme impulse peaks, special torsion effect from the double-torsion spring, equipped with a ring magnet to easily hold longer and heavier screws, also ideal for above-head work, particularly suitable for use with impact drivers, the magnet can be retracted and in this way be disabled

**Output:** Suitable for bits with 1/4 hexagon head drive as per

DIN ISO 1173-C 6,3 and Wera Series 1

Design: The Impaktor technology ensures an above-average service life even under extreme conditions thanks to a best-possible utilisation of the material properties and optimally designed geometry (two coupled torsion zones that perform successively), fitted with

retaining ring and ring magnet

**Drive:** 1/4" hexagon, suitable for power driven screwdrivers with

DIN ISO 1173-F 6,3 chucks

	•	mm	Ð,	0	
05 <b>057676</b> 001	1/,"	75	3"	1/,"	

## Rapidaptor Bit Holders

#### For rapid bit changes

#### 897/4 R Rapidaptor BiTorsion Universal Bit Holder





**Application:** Suitable for  $^{1}/_{4}^{"}$  DIN ISO 1173-C 6,3 and E 6,3

hexagon insert bits and Wera Series 1 and 4

**Design:** BiTorsion for long service life, Rapidaptor rapid-in, rapid-out,

rapid-spin, chuck-all, and single-hand technology

**Drive:** 1/4" hexagon suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

	•	mm	Ð,	0	Ø	
05 <b>053923</b> 001	1/4"	75	3"	1/4"	15,0	

#### 889/4/1 K Rapidaptor Universal Bit Holder





Application: Suitable for 1/4" DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all, and

single-hand technology, with strong permanent magnet

**Drive:** 1/4" hexagon suitable for power tools with

DIN ISO 1173-F 6,3 receiver

	•	mm	₽, □,	0	Ø	
05 <b>052502</b> 001	1/4"	50	2"	1/4"	15,0	

#### 889/4/1 Rapidaptor Universal Bit Holder



**Application:** Suitable for  $\frac{1}{4}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** Rapidaptor easy-in, easy-out, rapid-spin, chuck-all, and

single-hand technology, with strong permanent magnet

**Drive:** 1/4" hexagon suitable for power tools with

DIN ISO 1173-F 6,3 receiver

	•	₩ M, mm	ð.,	0	Ø	
05 <b>052503</b> 001	1/4"	75	3"	1/4"	15,0	

#### 888/4/1 K Rapidaptor Universal Bit Holder



**Application:** Suitable for 1/4 DIN ISO 1173-C 6,3 and E 6,3

hexagon insert bits and Wera Series 1 and 4

Design: Rapidaptor easy-in, easy-out, rapid-spin, chuck-all, and

single-hand technology

**Drive:** 1/4" hexagon suitable for power tools with

DIN ISO 1173-F 6,3 receiver

	•	₽, mm	₽, □,	0	Ø	
05 <b>052500</b> 001	1/4"	50	2"	1/ "	15,0	

#### 889/4 R Rapidaptor Universal Bit Holder



**Application:** Suitable for  $^{1}\!/_{_{\! 4}}{}^{\scriptscriptstyle II}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Drive:** 1/<sub>4</sub>" hexagon suitable for power tools with DIN ISO 1173-F 6,3

receiver

**Design:**  $\frac{1}{4}$  hexagon with Rapidaptor rapid-in, rapid-out, rapid-spin,

chuck-all, and single-hand technology, magnetic

	•	mm	A,	0	Ø mm	
05 <b>052504</b> 001	1/4"	100	4"	1/4"	15,0	

## BiTorsion Quick-Release Chuck Holders

### Adaptor for hexagon to square drive

#### 797 A/4/1 B BiTorsion Bit Holder



**Application:** Suitable for  $\frac{1}{4}$ " DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** BiTorsion for long service life, with strong permanent magnet

**Drive:** 1/4"-female square socket for use with ratchet or power tool

	•		<b>P</b> ,		Ø	
05 <b>048681</b> 001	1/,"	77	3"	1/,"	mm 14,0	

#### 797 B/4/1 B BiTorsion Bit Holder



**Application:** Suitable for  $\frac{1}{4}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** BiTorsion for long service life, with strong permanent magnet

**Drive:** 3/8"-female square socket for use with ratchet or power tool

	•	₽,	P.		Ø	
		mm			mm	
05 <b>048680</b> 001	1/,"	82	3 1/,"	3/ "	14,0	

## Universal Bit Holders with Quick-Release Chuck

#### Secure hold and rapid bit changes

#### 894/4/1 K Universal Bit Holder



**Application:** Suitable for 1/4 DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With quick-release chuck

**Drive:** 1/4" hexagon, suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

		∏, mm	H,	0	Ø	
05 <b>053522</b> 001	1/ "	51	2"	1/ "	14,3	

#### 894/4/1 Universal Bit Holder



Application: Suitable for 1/4" DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With quick-release chuck

**Drive:** 1/4" hexagon, suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

	•	₽,	<b>H</b> ,	0	Ø	
		mm			mm	
05 <b>053520</b> 001	1/4"	75	3"	1/4"	14,3	

#### 895/4/1 K Universal Bit Holder



Application: Suitable for 1/4" DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With strong permanent magnet and quick-release chuck

**Drive:** 1/4" hexagon, suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

	•	0, 0,	H,	0	Ø	
05 <b>053872</b> 001	1/4"	mm 52	2"	1/4"	14,3	

#### 895/4/1 Universal Bit Holder



**Application:** Suitable for  $^{1}/_{4}$ " DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With strong permanent magnet and quick-release chuck

**Drive:**  $\frac{1}{4}$ " hexagon, suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

		₽,	₽,	0	Ø	
		mm			mm	
05 <b>053870</b> 001	1/4"	77	3"	1/4"	14,3	

# Universal Bit Holder with Retaining Ring

Proven, secure hold in series manufacturing applications

#### 890/4/1 Universal Bit Holder

05**052575**001



2 1/4"

mm

11,1

mm

1/,"

## Universal Bit Holders with Stainless Steel Sleeve

Strong magnet for secure hold

## 899/4/1 S Universal Bit Holder with strong retaining ring



**Application:** Suitable for 1/4" DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With stainless steel sleeve, strong retaining ring, and strong

permanent magnet

**Drive:** 1/4" hexagon, suitable for power tools with

DÎN ISO 1173-F 6,3 receiver

	•	[¦, mm	[;	0	Ø	
05 <b>160976</b> 001	1/4"	50	2"	1/4"	10,5	
05 <b>160924</b> 001	1/4"	75	3"	1/4"	10,5	
05 <b>160977</b> 001	1/4"	100	4"	1/4"	10,5	
05 <b>160979</b> 001	1/4"	200	8"	1/4"	10,5	
05 <b>160981</b> 001	1/4"	300	12"	1/4"	10,5	

# Universal Bit Holders with Copper Beryllium Sleeve

### Very high torque model

#### 891/4/1 Universal Bit Holder



**Application:** Suitable for  $^{1}/_{4}$ " DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Design:** With CuBe sleeve, retaining ring, and strong permanent magnet

**Drive:** 1/4" hexagon, suitable for power tools with DIN ISO 1173-F 6,3

receive

	•	mm	<b>P</b> ,	0	Ø	
05 <b>053175</b> 001	1/,"	75	3"	1/,"	10,5	

## **Adaptors**

#### 870/1 Adaptor



**Application:** Nut spinner sockets **Drive:** 1/4 external hexagon **Output:** 1/4 external square

	0	∏; mm	[];	0	
05 <b>136000</b> 001 <sup>1)</sup>	1/4"	25	1"	1/4"	

<sup>1)</sup> With friction ball; for manual nut spinner sockets

#### 870/4 Adaptor



Application: Manual nut spinner sockets

**Drive:** 1/4" hexagon **Output:** 1/4" external square

	0	[]; mm	[];	0
05 <b>311517</b> 001 <sup>1)</sup>	1/4"	50	2"	1/,"

<sup>1)</sup> With friction ball; for manual nut spinner sockets

#### 870/2 Adaptor



Application: Nut spinner sockets
Drive: External hexagon
Output: External square

	0	∏.', mm	[];	0	
05 <b>136001</b> 001 <sup>1)</sup>	3/8"	30	1 <sup>3</sup> / <sub>16</sub> "	5/ " 16	
05 <b>136002</b> 001 <sup>1)</sup>	1/2"	35	1 <sup>3</sup> / <sub>8</sub> "	5/_" 16	

<sup>1)</sup> With friction ball; for manual nut spinner sockets

#### 870/7 Adaptor



Application: Machine-operated nut spinner sockets

**Design:** With external square drive

**Drive:** 7/<sub>16</sub> hexagon, suitable for power tools with

DIN ISO 1173-F 11,2 receiver

	0	∏; mm	<u>\</u> ;	0	
05 <b>050510</b> 001	1/,"	75	3"	7/11	

#### 870/4 Adaptor



Application: Machine-operated nut spinner sockets

**Design:** With external square drive

**Drive:**  $\frac{1}{4}$ " hexagon, suitable for power tools with DIN ISO 1173-F 6,3

receiver

	0	∐; mm	[];	0		
05 <b>050205</b> 001	1/4"	50	2"	1/4"		
05 <b>050210</b> 001	1/4"	100	4"	1/4"		
05 <b>050215</b> 001	3/8"	50	2"	1/4"		
05 <b>050220</b> 001	3/8"	100	4"	1/4"		

## **Adaptors**

#### 784 A 1/4" Adaptor with quick-release chuck





**Application:** Suitable for 1/4" DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

Design: With Wera quick-release chuck

**Drive:** 1/4" female square

			∴, mm	[];		
05 <b>042750</b> 001	784 A/1	1/4"	30	1 <sup>3</sup> / <sub>16</sub> "	1/4"	

#### 784 B 3/8" Adaptor with quick-release chuck





Wera Series 1 and 2

Design: With Wera quick-release chuck

Drive: 3/8" female square

		•	∏; mm	[];		
05 <b>042755</b> 001	784 B/1	1/4"	43	1 5/8"	3/8"	
05 <b>042765</b> 001	784 B/2	5/_"	50	2"	3/8"	

#### 784 C 1/2" Adaptor with quick-release chuck





Suitable for  $^1/_4{}^{\shortparallel}$  DIN ISO 1173-C 6,3 and  $^5/_{16}{}^{\shortparallel}$  DIN ISO 1173-C 8 hexagon insert bits and Application:

Wera Series 1 and 2

Design: With Wera quick-release chuck

**Drive:** 1/2" female square

		•	∏; mm	<u>[];</u>		
05 <b>042760</b> 001	784 C/1	1/4"	50	2"	1/ "	
05 <b>042768</b> 001	784 C/2	5/_"	50	2"	1/,"	

#### 780 A 1/4" Adaptor







Application: Suitable for 1/4" DIN ISO 1173-C 6,3 hexagon insert bits and

Wera Series 1

**Drive:** 1/4" female square

		•	∏; mm	<u>\</u> ;		
05 <b>042605</b> 001	780 A/1	1/4"	25	1"	1/4"	

#### 780 B 3/8" Adaptor







Application: Suitable for 1/4" DIN ISO 1173-C 6,3 and

<sup>5</sup>/<sub>16</sub> DIN ISO 1173-C 8 hexagon insert bits and Wera Series 1 and 2

**Drive:** 3/8" female square

		•	∴ mm	<u>\</u> ;	
05 <b>042655</b> 001	780 B/1	1/4"	30	1 3/16"	3/8"
05 <b>344511</b> 001 <sup>1)</sup>	780 B/1-S	1/4"	30	1 3/1"	3/8"
05 <b>042665</b> 001	780 B/2	5/ <sub>16</sub> "	30	1 3/1"	3/8"
05 <b>344512</b> 001 <sup>1)</sup>	780 B/2-S	5/_"	30	1 3/1"	3/8"

<sup>1)</sup> S = extra strong

#### 780 C 1/2" Adaptor







Drive: 1/2" female square

		•	∴; mm	<u>\</u> ;		
05 <b>042705</b> 001	780 C/1	1/4"	35	1 <sup>3</sup> / <sub>8</sub> "	1/2"	
05 <b>344513</b> 001	780 C/1-S	1/4"	35	1 <sup>3</sup> / <sub>8</sub> "	1/"	
05 <b>042715</b> 001	780 C/2	5/_"	35	1 3/8"	1/_"	
05 <b>344514</b> 001	780 C/2-S	5/_"	35	1 <sup>3</sup> / <sub>8</sub> "	1/2"	



## **Torque Tools**

Series 7400 Adjustable Torque Screwdrivers	70
Series 7400 Pre-set, Adjustable Torque Screwdrivers	76
Series Click-Torque Wrenches	82

## Wera Werkzeuge GmbH – Calibration competence in our own laboratory in Wuppertal





Comprehensive range of services: calibration, adjustment, repair and certification of Wera torque tools.



All Wera torque tools are produced, adjusted, calibrated and certified under strict quality conditions. On request, Wera can also issue a calibration certificate according to DAkkS guidelines in cooperation with an accredited specialist laboratory.

The Wera Torque Service offers you excellent and affordable service packages with short delivery times and will be happy to answer your questions about your torque tool.





Factory calibration.



Personal contact and competent advice.

## **Torque Tools**

Wera's torque tools offer torque-controlled screw tightening so as to avoid damage to the screw or work-piece and to ensure the integrity of the screw connection. This makes work-intensive drilling-out of screws and unproductive downtimes a thing of the past. It is also important whenever repeat accuracy is required.

They come with an ergonomic Kraftform handle and have a distinctly audible and perceptible click signal whenever the required torque value is reached.

No time-consuming blade changes; instead of special blades, conventional bits conforming to C 6,3 and E 6,3 or even 1/4" sockets can be used.

All Wera torque tools manufactured according to DIN EN ISO 6789 are supplied with a Declaration of conformity. Our workshop offers a comprehensive service for all Wera torque tools. Please contact us with any queries regarding service, recalibration or repair on +49 (0)202 40 45 145; Fax: +49 (0)202 40 45 158 or per E-Mail at: torqueservice@wera.de.



#### Adjustable torque screwdrivers

They can be adjusted by hand to the corresponding scale value. Also available in ESD version (also with take-up for HIOS/Halfmoon bits) and with Kraftform Micro handle. See page 70.



## Pre-set, adjustable torque screwdrivers

Pre-set torque, adjustable within a defined range. Also available in ESD version (also for HIOS/Halfmoon bits) and with Kraftform Micro handle.

See page 76.





Series Click-Torque wrenches
Suitable for controlled tightening using sockets and bits. See page 82.

## Adjustable Torque Screwdrivers

Wera's adjustable torque screwdrivers allow variable torque settings with maximum precision and ensure that the user gets the very best results in the familiar Wera design with superior ergonomics.







Simple setting of the required torque by hand.

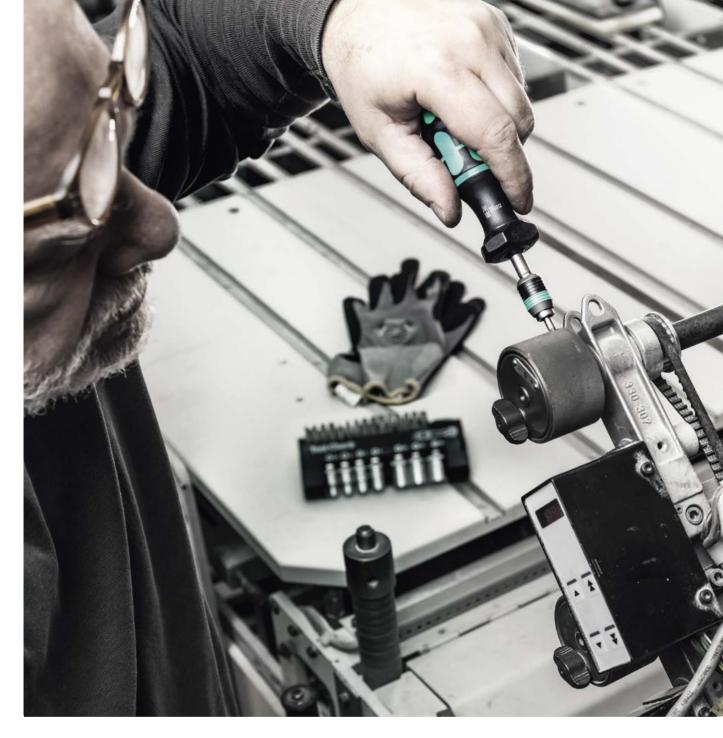


Easy-to-read scale value.



Measurement accuracy is  $\pm$  6 % in accordance with the standard DIN EN ISO 6789. Distinctly audible and noticeable excess-load signal when the pre-set torque is reached.

All Wera torque screwdrivers manufactured according to DIN EN ISO 6789 are supplied with a Declaration of conformity. Our workshop offers a comprehensive service for all Wera torque tools. Please contact us with any queries regarding service, recalibration or repair on +49 (0)202 40 45 145; Fax: +49 (0)202 40 45 158 or per E-Mail at: torqueservice@wera.de.





Articles 7430, 7431, 7432, 7430 ESD, 7431 ESD, 7432 ESD, 7435 ESD, 7436 ESD, 1430 ESD and 1431 ESD all come with a magnifying glass. This can be easily attached on to the scale, dramatically improving visibility.



Unlimited torque for loosening seized screws.



Multi-component Kraftform handle with hard and soft zones for fast working speeds and protecting the palm of the hand.

# Series 7400 Kraftform Torque Screwdrivers

### Variable torque adjustment models

Series 7400 Kraftform adjustable torque screwdrivers (0.1-3.0 Nm) with Rapidaptor quick-release chuck



**Application:** Suitable for 1/4" DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

**Accuracy:**  $\pm 6$  % (DIN EN ISO 6789). Numerical torque value scale. Reliable

slipping mechanism and acoustic signal when reaching the set

torque.

**Handle:** Kraftform with non-roll feature, multi-component

	Art.No.	Û; mm	•	<del>+++ +++ </del> Nm	Nm Nm	l, mm	1
05 <b>074770</b> 001 1)	7430	89	1/4"	0,10-0,34	0,015	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074772</b> 001 1)	7431	89	1/4"	0,30-1,00	0,05	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074774</b> 001 1)	7432	89	1/4"	0,90-1,50	0,05	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074700</b> 001	7440	105	1/4"	0,3-1,2	0,05	155	6"
05 <b>074701</b> 001	7441	105	1/4"	1,2-3,0	0,10	155	6"

<sup>1)</sup> With attachable magnifying glass, dramatically improving visibility.

Series 7400 Kraftform pistol grip, adjustable torque screwdrivers (3.0-8.8 Nm) with Rapidaptor quick-release chuck



**Application:** Suitable for 1/4" DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Reliable

slipping mechanism and acoustic signal when reaching the set

torque

Handle: Kraftform pistol grip, multi-component

		•						
	Art.No.		Nm	Nm	mm	mm		
05 <b>074702</b> 001	7442	1/4"	3,0-6,0	0,25	150	100	4"	
05 <b>074705</b> 001	7443	1/."	4,0-8,8	0.40	150	100	4"	

## Series 7400 Kraftform ESD adjustable torque screwdrivers (0.1-3.0 Nm) with Rapidaptor quick-release chuck



Suitable for  $^{1}\!/_{_{4}}^{}^{}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon insert bits and Wera Series 1 and 4 **Application:** 

Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and Design:

single-hand technology, non-magnetic

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Reliable

slipping mechanism and acoustic signal when reaching the set

Handle: Kraftform with non-roll feature, multi-component

		Û,	•	 		<b>;</b>	];
	Art.No.	mm		Nm	Nm	mm	
05 <b>074780</b> 001 13	7430 ESD	89	1/4"	0,10-0,34	0,015	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074782</b> 001 1	7431 ESD	89	1/4"	0,30-1,00	0,05	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074784</b> 001 1	7432 ESD	89	1/ "	0,90-1,50	0,05	142	5 <sup>7</sup> / <sub>16</sub> "
05 <b>074730</b> 001	7440 ESD	105	1/4"	0,3-1,2	0,05	155	6"
05 <b>074731</b> 001	7441 ESD	105	1/4"	1,2-3,0	0,10	155	6"

<sup>1)</sup> With attachable magnifying glass, dramatically improving visibility.



## Rapidaptor

## Rapid-in and self-lock



The bit can be pushed into the adaptor without moving the sleeve. The lock is activated automatically as soon as the bit is applied to the screw. Bits are held securely and wobble-free.

## Rapid-out



Simply push the sleeve forward to change the bit. The spring mechanism lifts the bit off the magnet and unlocks the tool. The bit can be easily removed. The rapid-out function makes it easy to remove even the smallest bits without extra tools.

## Chuck-all



The Rapidaptor quick-release chucks hold 1/4" DIN ISO 1173-C 6,3 and E 6,3 as well as Wera series 1 and 4 bits.

## Single-hand function



Every function of the Rapidator quick-release chuck, such as inserting or releasing bits, can be carried out with one hand. This is faster, more economical and more ergonomic. There are no unnecessary manoeuvres.

# Series 7400 Kraftform **Torque Screwdrivers**

## Variable torque adjustment models

Series 7400 Kraftform pistol grip, adjustable torque screwdrivers (25.0-55.0 in.lbs.) with Rapidaptor quick-release chuck



**Application:** Suitable for  ${}^{1}\!/_{_4}{}^{"}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon insert bits and Wera Series 1 and 4

Design: Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

 $\pm 6$  % (DIN EN ISO 6789). Numerical torque value scale. Reliable **Accuracy:** 

slipping mechanism and acoustic signal when reaching the set

Handle: Kraftform pistol grip, multi-component

		•	<del>    <u> </u> </del>	H. ~~	-J;	<b>-5</b> ;	
	Art.No.		in. lbs. in. lb	s. mm	mm		
05 <b>074712</b> 001	7447	1/4"	25,0-55,0 2,5	150	100	4"	1

Series 7400 Kraftform adjustable torque screwdrivers (2.5-29.0 in.lbs.) with Rapidaptor quick-release chuck



**Application:** Suitable for <sup>1</sup>/<sub>4</sub>" DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

Design: Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

 $\pm 6$  % (DIN EN ISO 6789). Numerical torque value scale. Reliable **Accuracy:** 

slipping mechanism and acoustic signal when reaching the set

torque.

Kraftform with non-roll feature, multi-component Handle:

	Art.No.		in. lbs.	F114	∏; mm	,	
05 <b>074710</b> 001	7445	1/4"	2,5-11,5	0,5	155	6"	
05 <b>074711</b> 001	7446	1/4"	11,0-29,0	1,0	155	6"	

Series 7400 Kraftform ESD adjustable torque screwdrivers (2.5-29.0 in.lbs.) with Rapidaptor quick-release chuck



Application: Suitable for 1/4" DIN ISO 1173-C 6,3 and E 6,3 hexagon insert

bits and Wera Series 1 and 4

Design: Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology, non-magnetic

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Reliable

slipping mechanism and acoustic signal when reaching the set

torque.

Handle: Kraftform with non-roll feature, multi-component

				<del> [  -</del>	f.	[,	
	Art.No.		in. lbs.	in. lbs.	mm		
05 <b>074733</b> 001	7445 ESD	1/4"	2,5-11,5	0,5	155	6"	
05 <b>074734</b> 001	7446 ESD	1/4"	11,0-29,0	1,0	155	6"	

# Series 7400 Kraftform ESD adjustable torque screwdrivers (0.1-1.0 Nm)









Application: Suitable for bits with 4 mm Halfmoon drive (and Wera Serie 9)

and 4 mm HIOS drive (and Wera Series 21)

**Design:** With quick-release chuck for rapid bit change

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Reliable

slipping mechanism and acoustic signal when reaching the set

torque.

Handle: Kraftform with non-roll feature, multi-component

		Û,	<del>   </del>	<del> [  -</del>	<b>,</b>	<b>1</b>	
	Art.No.	mm	Nm	Nm	mm		
05 <b>074786</b> 001 1)	7435 ESD	89	0,10-0,34	0,015	142	5 <sup>7</sup> / <sub>16</sub> "	
05 <b>074788</b> 001 1)	7436 ESD	89	0,30-1,00	0,05	142	5 <sup>7</sup> / <sub>16</sub> "	

<sup>1)</sup> With attachable magnifying glass, dramatically improving visibility.

## 1430 Kraftform Micro ESD adjustable torque screwdrivers (0.02-0.11 Nm) with quick-release chuck















Application: Suitable for bits with 4 mm Halfmoon drive (and Wera Serie 9)

and 4 mm HIOS drive (and Wera Series 21)

**Design:** With quick-release chuck for rapid bit change

**Accuracy:** ±10 %. Numerical torque value scale. Reliable slipping

mechanism and acoustic signal when reaching the set torque.

**Handle:** Kraftform Micro with non-roll feature and rotating cap,

multi-component

			<del> [  -</del>	Ħ,	[,	
	Art.No.	Nm	Nm	mm		
05 <b>074802</b> 001 <sup>1)</sup>	1430 ESD	0,02-0,06	0,0025	141	5 <sup>7</sup> / <sub>16</sub> "	
05 <b>074804</b> 001 <sup>1)</sup>	1431 ESD	0,05-0,11	0,005	141	5 <sup>7</sup> / <sub>16</sub> "	

 $<sup>^{1)}</sup>$  With attachable magnifying glass, dramatically improving visibility.

## **Tip**

## Attachable magnifying glass



Articles 7435 ESD, 7436 ESD, 1430 ESD and 1431 ESD, all come with a magnifying glass. This can be easily attached on to the scale, dramatically improving visibility.

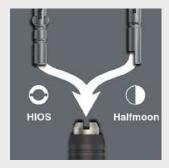
# Why does Wera manufacture adjustable Kraftform torque screwdrivers?



Many screws — particularly in assembly and maintenance applications — have to be tightened with controlled torque to ensure the dependability of the screw connection and/or to avoid damage to the screw or work piece. Wera's adjustable torque screwdrivers are the ideal tool for this. They feature a torque range of 0.3 Nm

to 8.8 Nm, two different handles, measurement accuracy of  $\pm$  6 % and Rapidaptor technology for rapid bit change.

## For Halfmoon and HIOS Bits



The adjustable torque screwdrivers 7435 ESD, 7436 ESD, 1430 ESD and 1431 ESD feature a combination bitholder for both bits with Halfmoon and bits with HIOS drive.

# Pre-set, adjustable Torque Screwdrivers

These tools are ideal for all applications where a constant, identical torque is required and where a high degree of repeat accuracy is needed. The torque value can be adjusted within the measuring range.





Unlimited torque for loosening seized screws.



Distinctly audible and noticeable excess-load signal when the pre-set torque is reached.



Rapidaptor technology makes the tool adaptable since bits and sockets can be exchanged rapidly.





Multi-component Kraftform handle with hard and soft zones for fast working speeds and protecting the palm of the hand.

All Wera torque screwdrivers manufactured according to DIN EN ISO 6789 are supplied with a Declaration of conformity. Our workshop offers a comprehensive service for all Wera torque tools. Please contact us with any queries regarding service, recalibration or repair on +49 (0)202 40 45 145; Fax: +49 (0)202 40 45 158 or per E-Mail at: torqueservice@wera.de.

# Series 7400 Kraftform Torque Screwdrivers

## Pre-set, adjustable torque models

Serie 7400 Kraftform pre-set adjustable torque screwdrivers (0.1-3.0 Nm) with Rapidaptor quick-release chuck

Series 7400 Kraftform pistol grip, pre-set adjustable torque screwdrivers (3.0-8.8 Nm) with Rapidaptor quick-release chuck



**Application:** Suitable for  $\frac{1}{4}$ " DIN ISO 1173-C 6,3 and E 6,3 hexagon

insert bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

**Pre-set torque:** 0.1 Nm, 0.3 Nm, 0.9 Nm, 1.2 Nm

**Accuracy:**  $\pm$  6% (DIN EN ISO 6789). Reliable slipping mechanism and

acoustic signal when reaching the set torque.

**Handle:** Kraftform with non-roll feature, multi-component

		Û,		<del>     </del>	<del>   </del>	<b>]</b>	<b>]</b> ,
	Art.No.	mm		Nm	Nm	mm	
05 <b>074790</b> 001	7450	89	1/4"	0,1	0,1-0,34	133	5 1/4"
05 <b>074790</b> 010 <sup>1)</sup>	7450	89	1/4"	0,1	0,1-0,34	133	5 <sup>1</sup> / <sub>4</sub> "
05 <b>074792</b> 001	7451	89	1/4"	0,3	0,3-1,0	133	5 1/4"
05 <b>074792</b> 010 <sup>1)</sup>	7451	89	1/4"	0,3	0,3-1,0	133	5 1/4"
05 <b>074794</b> 001	7452	89	1/4"	0,9	0,9-1,5	133	5 1/4"
05 <b>074794</b> 010 <sup>1)</sup>	7452	89	1/4"	0,9	0,9-1,5	133	5 1/4"
05 <b>074715</b> 001	7460	105	1/4"	0,3	0,3-1,2	155	6"
05 <b>074715</b> 010 <sup>1)</sup>	7460	105	1/4"	0,3	0,3-1,2	155	6"
05 <b>074716</b> 001	7461	105	1/4"	1,2	1,2-3,0	155	6"
05 <b>074716</b> 010 <sup>1)</sup>	7461	105	1/4"	1,2	1,2-3,0	155	6"

<sup>1)</sup> Other pre-set values within the adjustable range can be delivered on request



**Application:** Suitable for <sup>1</sup>/<sub>4</sub>" DIN ISO 1173-C 6,3 and E 6,3 hexagon

insert bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

Pre-set torque: 3.0 Nm, 4.0 Nm

**Accuracy:**  $\pm 6$  % (DIN EN ISO 6789). Reliable slipping mechanism and

acoustic signal when reaching the set torque.

Handle: Kraftform pistol grip, multi-component

		•	<del>   </del>	<del>   </del>	-5	<b>-5</b> ;	-5	<b>-5</b> ;
	Art.No.		Nm	Nm	mm	mm		
05 <b>074717</b> 001	7462	1/4"	3,0	3,0-6,0	150	100	6"	4"
05 <b>074717</b> 010 1)	7462	1/4"	3,0	3,0-6,0	150	100	6"	4"
05 <b>074728</b> 001	7463	1/4"	4,0	4,0-8,8	150	100	6"	4"
05 <b>074728</b> 010 <sup>1)</sup>	7463	1/4"	4,0	4,0-8,8	150	100	6"	4"

 $<sup>^{\</sup>scriptscriptstyle 1)}$  Other pre-set values within the adjustable range can be delivered on request

## Serie 7400 Kraftform ESD pre-set adjustable torque screwdrivers (0.1-1.2 Nm) with Rapidaptor quick-release chuck



Suitable for  $^{1\!/}_4$  " DIN ISO 1173-C 6,3 and E 6,3 hexagon insert bits and Wera Series 1 and 4 **Application:** 

Design: Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

**Pre-set torque:** 0.1 Nm, 0.3 Nm, 0.9 Nm, 1.2 Nm

 $\pm$  6% (DIN EN ISO 6789). Reliable slipping mechanism and **Accuracy:** 

acoustic signal when reaching the set torque.

Handle: Kraftform with non-roll feature, multi-component

		0,		<del>     </del>	<del>   </del>	<b>]</b> ,	<b>;</b>
	Art.No.	mm		Nm	Nm	mm	
05 <b>074820</b> 001	7450 ESD	89	1/4"	0,1	0,1-0,34	133	5 1/4"
05 <b>074820</b> 010 <sup>1)</sup>	7450 ESD	89	1/4"	0,1	0,1-0,34	133	5 <sup>1</sup> / <sub>4</sub> "
05 <b>074822</b> 001	7451 ESD	89	1/4"	0,3	0,3-1,0	133	5 1/4"
05 <b>074822</b> 010 1)	7451 ESD	89	1/4"	0,3	0,3-1,0	133	5 <sup>1</sup> / <sub>4</sub> "
05 <b>074824</b> 001	7452 ESD	89	1/ "	0,9	0,9-1,5	133	5 <sup>1</sup> / <sub>4</sub> "
05 <b>074824</b> 010 1)	7452 ESD	89	1/4"	0,9	0,9-1,5	133	5 <sup>1</sup> / <sub>4</sub> "
05 <b>074840</b> 001	7460 ESD	105	1/4"	0,3	0,3-1,2	155	6"
05 <b>074840</b> 010 1)	7460 ESD	105	1/4"	0,3	0,3-1,2	155	6"
05 <b>074842</b> 001	7461 ESD	105	1/4"	1,2	1,2-3,0	155	6"
05 <b>074842</b> 010 <sup>1)</sup>	7461 ESD	105	1/4"	1,2	1,2-3,0	155	6"

<sup>1)</sup> Other pre-set values within the adjustable range can be delivered on request

## Tip

## Why does Wera manufacture pre-set, adjustable Kraftform torque screwdrivers?



These torque screwdrivers are supplied with a fixed pre-set torque value. This is ideal for all applications that require constant, identical torque. They feature a pre-set torque range of 0.3 Nm to 4.0 Nm (adjustable between 0.3 Nm - 8.8 Nm), two different handles, measurement accuracy of  $\pm$  6 % and Rapidaptor chuck technology for rapid bit change.

## **Customized pre-setting**



The pre-set torque screwdrivers of the Kraftform 7400 series can be individually pre-set within the specified adjustable range.

# Series 7400 Kraftform Torque Screwdrivers

## Pre-set, adjustable torque models

Series 7400 Kraftform pre-set adjustable torque screwdrivers (2.5-29.0 in. lbs.) with Rapidaptor quick-release chuck





**Application:** Suitable for  $\frac{1}{4}$ " DIN ISO 1173-C 6,3 and E 6,3 hexagon

insert bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

Pre-set torque: 2.5 in.lbs., 11.0 in.lbs.

Accuracy: ±6 % (DIN EN ISO 6789). Reliable slipping mechanism and

acoustic signal when reaching the set torque.

**Handle:** Kraftform with non-roll feature, multi-component

		•	<del>    </del>		<b>1</b> ,	Ð,	
	Art.No.		in. lbs.	in. lbs.	mm		
05 <b>074720</b> 001	7465	1/4"	2,5	2,5-11,5	155	6"	
05 <b>074720</b> 010 <sup>1)</sup>	7465	1/4"	2,5	2,5-11,5	155	6"	
05 <b>074722</b> 001	7466	1/4"	11,0	11,0-29,0	155	6"	
05 <b>074722</b> 010 <sup>1)</sup>	7466	1/4"	11,0	11,0-29,0	155	6"	

<sup>&</sup>lt;sup>1)</sup> Other pre-set values within the adjustable range can be delivered on request

Series 7400 Kraftform pistol grip, pre-set adjustable torque screwdriver (25.0-55.0 in. lbs.) with Rapidaptor quick-release chuck



**Application:** Suitable for  $\frac{1}{4}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon

insert bits and Wera Series 1 and 4

**Design:** Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and

single-hand technology

Pre-set torque: 25.0 in. lbs.

**Accuracy:**  $\pm 6$  % (DIN EN ISO 6789). Reliable slipping mechanism and

acoustic signal when reaching the set torque.

**Handle:** Kraftform pistol grip, multi-component

		•	<del>   </del>	<del>     </del>	<b>~</b>	<b>-5</b> ;	<b>~</b> 5)	-C);
	Art.No.		in. lbs.	in. lbs.	mm	mm		
05 <b>074721</b> 001	7467	1/4"	25,0	25,0-55,0	150	100	6"	4"
05 <b>074721</b> 010 <sup>1)</sup>	7467	1/ "	25,0	25,0-55,0	150	100	6"	4"

<sup>&</sup>lt;sup>1)</sup> Other pre-set values within the adjustable range can be delivered on request

# Serie 7400 Kraftform pre-set adjustable torque screwdrivers (0.1-1.0 Nm) with quick-release chuck



**Application:** Suitable for bits with 4 mm Halfmoon drive (and Wera

Serie 9) and 4 mm HIOS drive (and Wera Series 21)

**Design:** With quick-release chuck for rapid bit change

Pre-set torque: 0.1 Nm, 0.3 Nm

**Accuracy:**  $\pm$  6% (DIN EN ISO 6789). Reliable slipping mechanism and

acoustic signal when reaching the set torque.

Handle: Kraftform with non-roll feature, multi-component

		Ω',	<del>     </del>		1;	f;	
	Art.No.	mm	Nm	Nm	mm		
05 <b>074826</b> 001	7455 ESD	89	0,015	0,1-0,34	138	5 1/4"	
05 <b>074826</b> 010 <sup>1)</sup>	7455 ESD	89	0,015	0,1-0,34	138	5 1/4"	
05 <b>074828</b> 001	7456 ESD	89	0,035	0,3-1,0	138	5 1/4"	
05 <b>074828</b> 010 <sup>1)</sup>	7456 ESD	89	0,035	0,3-1,0	138	5 1/4"	

 $<sup>^{\</sup>mbox{\tiny 1)}}$  Other pre-set values within the adjustable range can be delivered on request

# 1460 Kraftform Micro ESD pre-set adjustable torque screwdrivers (0.02-0.11 Nm) with quick-release chuck



**Application:** Suitable for bits with 4 mm Halfmoon drive (and Wera

Serie 9) and 4 mm HIOS drive (and Wera Series 21)

**Design:** With quick-release chuck for rapid bit change

 $\begin{array}{ll} \textbf{Pre-set torque:} & 0.035 \ \text{Nm}, \, 0.05 \ \text{Nm} \end{array}$ 

**Accuracy:** ± 10%. Reliable slipping mechanism and acoustic signal

when reaching the set torque.

**Handle:** Kraftform Micro with non-roll feature and rotating cap,

multi-component

		<del>   </del>		Ð,	1,	
	Art.No.	Nm	Nm	mm		
05 <b>074800</b> 001	1460 ESD	0,035	0,02-0,06	131	5 1/4"	
05 <b>074800</b> 010 <sup>1)</sup>	1460 ESD	0,035	0,02-0,06	131	5 1/4"	
05 <b>074810</b> 001	1461 ESD	0,050	0,05-0,11	131	5 1/4"	
05 <b>074810</b> 010 <sup>1)</sup>	1461 ESD	0,050	0,05-0,11	131	5 1/4"	

<sup>1)</sup> Other pre-set values within the adjustable range can be delivered on request

## Tip

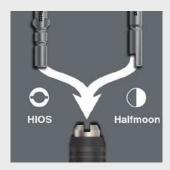


#### **ESD-safe tools**



The requirements for ESD-safe screwdrivers are specified in the European standard DIN EN 61340-5-1. This standard also includes a handle that has to be out of a defined conductive material. The Wera products in the ESD series satisfy these standards and the even more stringent requirements demanded by some technology companies.

#### For Halfmoon and HIOS Bits



The adjustable torque screwdrivers 7455 ESD, 7456 ESD, 1460 ESD and 1461 ESD feature a combination bitholder for both bits with Halfmoon and bits with HIOS drive.

## **Customized pre-setting**



The pre-set torque screwdrivers of the Kraftform 7400 series can be individually pre-set within the specified adjustable range.

# Click-Torque Wrench Series

We wanted working with torque wrenches to be simple and accurate - which is why we developed the Click-Torque wrenches.

With the ability to set and save the default values and with the unmistakable, robust Wera design, these torque wrenches are the ideal tools for all bolting applications that require torque-controlled tightening.



Precise to  $\pm$  3% (resp.  $\pm$  4%) as per DIN EN ISO 6789-1:2017-07.



)(( ))() (click

When the set torque value is reached, an audible and tactile mechanism triggers.

Easy setting and saving of the desired torque value; readable on the main and fine scales.





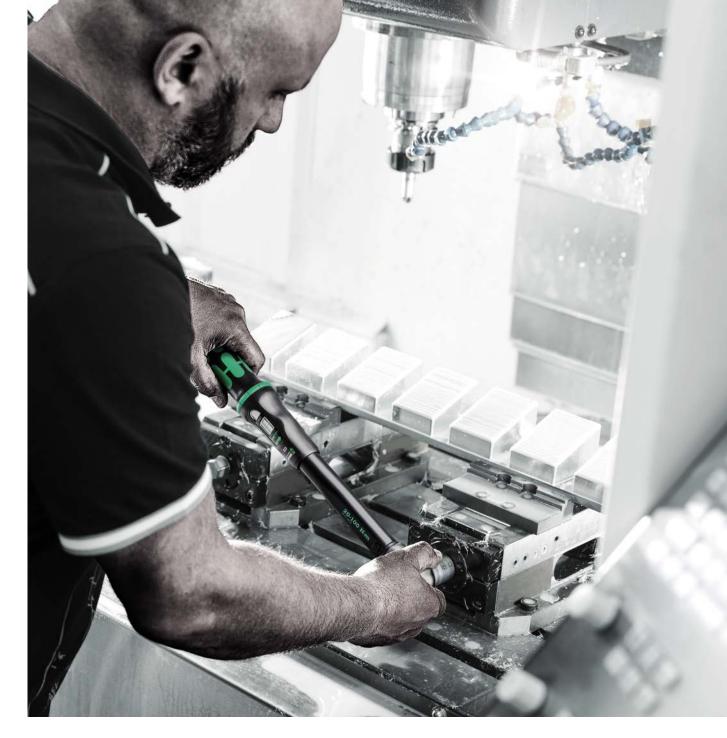
Very robust design with reversible ratchet (45 teeth) or for insert tools (9x12 mm or 14x18 mm) and ergonomic 2-component handle.

With audible and tactile clicks when adjusting the scale values.





The reversible Click-Torque wrenches are for right-handed use.





The Click-Torque wrenches are available for clockwise torque-controlled tightening with a reversible ratchet ( $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " drive) for torque ranges from 2.5 Nm to 1000 Nm.

All Wera Click-Torque wrenches manufactured according to DIN EN ISO 6789 are supplied with a Declaration of conformity. Our workshop offers a comprehensive service for all Wera torque tools. Please contact us with any queries regarding service, recalibration or repair on +49 (0)202 40 45 145; Fax: +49 (0)202 40 45 158 or per E-Mail at: torqueservice@wera.de.

# Series Click-Torque

## Adjustable torque wrenches

#### Click-Torque A 5 torque wrench with reversible ratchet





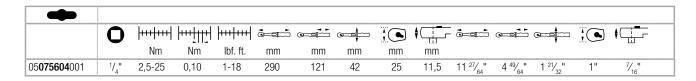
Application: For clockwise torque-control

**Precision:**  $\pm$  4% of set value, as per DIN EN ISO 6789-1: 2017-07

**Design:** With ¼" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

Handle: Ergonomic 2-component handle



#### Click-Torque A 6 torque wrench with reversible ratchet







Application: For clockwise torque-control

**Precision:**  $\pm$  4% of set value, as per DIN EN ISO 6789-1: 2017-07

**Design:** With ¼" hex drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the scale

values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

		<del>   </del>		<del>   </del>	<b>ض</b> ≕	0= <b>1</b>	<b>○</b>		<b>♦</b>	- <b>d</b>	<b>○</b> ■	•==		<b>♦</b> □	
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm						
05 <b>075605</b> 001	1/4"	2,5-25	0,10	1-18	290	121	42	25	11,5	11 <sup>27</sup> / <sub>64</sub> "	4 49/ "	1 21/32"	1"	<sup>7</sup> / <sub>16</sub> "	



# Series Click-Torque

## Adjustable torque wrenches

#### Click-Torque B 1 torque wrench with reversible ratchet





Application: For clockwise torque-control

**Precision:**  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

**Design:** With 3/8" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

**Handle:** Ergonomic 2-component handle

	0		<del> [  - </del>		ئ <b>ى</b>	0==	•		<b>♦</b> □					) <del>-</del> -
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075610</b> 001	3/8"	10-50	0,25	8-36	360	140	47	35	16,5	14 <sup>1</sup> / <sub>64</sub> "	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 <sup>3</sup> / <sub>8</sub> "	5/8"

#### Click-Torque B 2 torque wrench with reversible ratchet





Application: For clockwise torque-control

Precision:  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

**Design:** With  $\frac{3}{8}$  square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

	0	<del>   </del>	<del> [  -</del>	<del>   </del>	ئ <del>ىچ</del> ە	0===	<b>○</b>		<b>♦</b> □	ئ <b>ن</b>	<b>○</b> ■□	0=		<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075611</b> 001	3/8"	20-100	0,5	15-73	405	140	47	43	18,5	15 <sup>15</sup> / <sub>16</sub> "	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 11/ "	45/64

## Click-Torque C 1 torque wrench with reversible ratchet





**Application:** For clockwise torque-control

**Precision:**  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

Design: With 1/2" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

**Handle:** Ergonomic 2-component handle

	0		<del> [  -</del>		ق <del>ند</del> ت	o= <b>=</b>	•		<b>†</b>	- - <del>-</del>	o=====	0=		<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075620</b> 001	1/2"	10-50	0,25	8-36	360	140	47	35	16,5	14 11/64"	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 <sup>3</sup> / <sub>8</sub> "	5/8"

## Click-Torque C 2 torque wrench with reversible ratchet





**Application:** For clockwise torque-control

**Precision:**  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

Design: With 1/2" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

	0	<del>   </del>	<del> [  -</del>	<del>     </del>	<u> </u>	o= <b>=</b> i∴	<b>-</b>		<b>♦</b> □	- - •===	<b>⊙=</b>	0=		<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075621</b> 001	1/2"	20-100	0,5	15-73	405	140	47	43	18,5	15 <sup>15</sup> / <sub>16</sub> "	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 11/ "	45/ <sub>64</sub> "

# Series Click-Torque

## Adjustable torque wrenches

## Click-Torque C 3 torque wrench with reversible ratchet





Application: For clockwise torque-control

**Precision:**  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

Design: With 1/," square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

**Handle:** Ergonomic 2-component handle

	0				مُعِينًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا م	o===	<b>○</b>		<b>†</b>	مُعِينًا مُعَالًا	0====	0=		<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075622</b> 001	1/_"	40-200	1,0	30-146	510	140	47	43	18,5	20 5/64"	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 <sup>11</sup> / <sub>16</sub> "	45/ "

## Click-Torque C 4 torque wrench with reversible ratchet





Application: For clockwise torque-control

**Precision:**  $\pm$  3% of set value, as per DIN EN ISO 6789-1: 2017-07

Design: With 1/2" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

	0		<del>'''<u> </u> </del>		مُعِينًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُعَالِمًا مُع	•====	<u></u>		<b>†</b>	مُعَاثِثُ	0==	<b>○</b>		<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075623</b> 001	1/2"	60-300	1,0	45-220	595	140	47	43	18,5	23 27/64"	5 <sup>33</sup> / <sub>64</sub> "	1 <sup>27</sup> / <sub>32</sub> "	1 <sup>11</sup> / <sub>16</sub> "	45/ " 64

#### Click-Torque C 5 torque wrench with reversible ratchet



Application: For clockwise torque-control

Precision: Accuracy ± 3% of set value, as per DIN EN ISO 6789-1: 2017-07; application range with up to max. 400 Nm above standard

DIN EN ISO 6789-1: 2017-07 (maximum value: 340 Nm)

Design: With 1/2" square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached

**Handle:** Ergonomic 2-component handle

	0	<del>   </del>			ئ <b>ا</b>	0==	•		<b>♦</b> □	ئىست	0=====			<b>♦</b> □
		Nm	Nm	lbf. ft.	mm	mm	mm	mm	mm					
05 <b>075624</b> 001	1/2"	80-400	1,0	60-295	680	140	47	43	18,5	26 49/64"	5 <sup>33</sup> / <sub>64</sub> "	1 27/32"	1 11/,"	45/ "

<sup>&</sup>lt;sup>1)</sup> available from January 2019

#### Click-Torque E 1 torque wrench with reversible ratchet



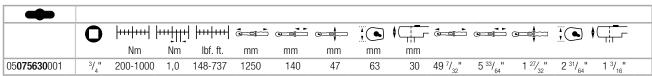


Application: For clockwise torque-control

Precision: ± 3% of set value, as per DIN EN ISO 6789-1: 2017-07

**Design:** With  $^{3}/_{4}$ " square drive, reversible ratchet, 45 teeth; easy setting and saving of the desired torque value, with audible and tactile locking when the

scale values are reached (fine scale only in Newton meters), audible and tactile release mechanism when the set torque value is reached



available from January 2019



# Kraftform Kompakt

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# Kraftform Kompakt

Why is the right tool so often not at hand? The reason: too many tools and overly-heavy tool bags can make it bothersome to carry them onsite.

So for us it was a clear challenge: to design a tool that is suitable for a whole host of applications and can be easily taken along to jobs at other sites.

Our solution: Kraftform Kompakt tools. A handle into which blades with a range of different profiles can be inserted. Compactly and protectively housed in a light and robust textile pouch or plastic box.





The sets come with a Kraftform handle, quick-release chuck and bits for manual and power tool operations.



The handle/interchangeable blade system permits rapid exchange of the blades needed for a wide range of applications.



The tools can be stored and carried either in a solid plastic case or a robust pouch. In this way the tool is always to hand.



# Kraftform Kompakt 25, 26

## Telescopic blade models

## Kraftform Kompakt 25 with pouch













**Application:** Suitable for  $^{1}/_{4}^{\prime\prime}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon socket insert bits and Wera Series 1 and 4

Design: Attachment, telescopic, Rapidaptor rapid-in, rapid-out,

rapid-spin, chuck-all and single-hand technology

Handle: Kraftform with non-roll feature, multi-component, integrated

magazine

05 <b>051024</b> 001		
●0	889/4 R	1 x 1/4"x100
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
	800/1 7	1 x 0.6x4.5x25: 1 x 1.0x5.5x25: 1 x 1.2x6.5x25

## Kraftform Kompakt 26 with pouch













Suitable for  $^{1}\!/_{\!_{4}}^{\!_{4}}$  DIN ISO 1173-C 6,3 and E 6,3 hexagon socket insert bits and Wera Series 1 and 4 **Application:** 

Attachment, telescopic, Rapidaptor rapid-in, rapid-out, Design:

rapid-spin, chuck-all and single-hand technology

Handle: Kraftform with non-roll feature, multi-component, integrated

magazine

05 <b>051025</b> 001		
● 0	889/4 R	1 x 1/4"x100
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25
•	800/1 Z	1 x 1,0x5,5x25; 1 x 1,2x6,5x25
0	868/1 Z	1 x # 1x25; 1 x # 2x25

# Tip

# Telescopic blade, integrated bit magazine, Rapidaptor technology



The sets in the series Kraftform Kompakt 20 are really something. A 2 position telescopic blade can be retracted into the handle for confined space operation or extended for more reach. It can also be removed and used as a 100mm bit holder in the power tool. Six bits are conveniently integrated into a push-button opening bit magazine.

The Rapidaptor technology ensures rapid one hand bit changes, press-in auto bit lock and a secure positioning when used in power tools thanks to the free-turning sleeve.



## The telescopic blade



When the unique telescopic blade is lowered into the handle, fast, easy screw-driving action is possible, even in the tightest spots!

By pushing the clamping sleeve, the telescopic blade can be extended out of the handle and the compact tool becomes a full-sized screwdriver.



If the clamping sleeve is pushed again the telescopic blade can be taken out of the handle, and be used as a machine bit adaptor.



# Kraftform Kompakt 60, 62

## Bits of 89 mm in length

## Kraftform Kompakt 60, imperial, stainless



Pouch with 89 mm bits, stainless steel

17-piece set

1 Kraftform stainless bitholding screwdriver 3816 R with Rapidaptor quick-release chuck

05 <b>071117</b> 001		
•	3816 R	1 x 1/4"x119
0	3851/4	1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89
⊕	3867/4 TORX® BO	1 x TX 10 B0x89; 1 x TX 15 B0x89;
		1 x TX 20 B0x89; 1 x TX 25 B0x89;
		1 x TX 30 B0x89
	3800/4	1 x 1,0x5,5x89
0	3840/4 Hex-Plus	1 x 3/32"x89; 1 x 1/8"x89; 1 x 5/32"x89;
		1 x 3/16"x89
0	3868/4 Square-Plu	<b>s</b> 1 x # 1x89; 1 x # 2x89; 1 x # 3x89

## Kraftform Kompakt 60, imperial



Pouch with 89 mm bits

17-piece set

1 Kraftform bitholding screwdriver 816 R with Rapidaptor quick-release chuck

05 <b>051042</b> 001		
•	816 R	1 x 1/4"x119
•	851/4 Z PH	1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89
•	867/4 Z TORX® BO	1 x TX 10x89; 1 x TX 15x89;
		1 x TX 20x89; 1 x TX 25x89; 1 x TX 30x89
•	800/4 Z	1 x 1,0x5,5x89
0	840/4 Z Hex-Plus	1 x 3/32"x89; 1 x 1/8"x89; 1 x 5/32"x89;
		1 x 3/16"x89
0	868/4 Square-Plus	1 x # 1x89; 1 x # 2x89; 1 x # 3x89

## Tip

## Kraftform Kompakt 62











Pouch with 89 mm bits

33-piece set

1 Kraftform bitholding screwdriver 816 R with Rapidaptor quick-release chuck

05 <b>059297</b> 001		
•	816 R	1 x 1/4"x119
•	857/4 Z Spanner	1 x 4x89; 1 x 6x89; 1 x 8x89; 1 x 10x89
0	851/4 Z PH	1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89
0	855/4 Z PZ	1 x PZ 1x89; 1 x PZ 2x89; 1 x PZ 3x89
0	867/4 Z TORX® BO	1 x TX 8x89; 1 x TX 10x89; 1 x TX 15x89;
		1 x TX 20x89; 1 x TX 25x89; 1 x TX 27x89;
		1 x TX 30x89; 1 x TX 40x89
•	800/4 Z	1 x 1,2x6,5x89
0	840/4 Z Hex-Plus	1 x 2,0x89; 1 x 2,5x89; 1 x 3,0x89;
	B0	1 x 4,0x89; 1 x 5,0x89; 1 x 6,0x89
•	871/4 TORQ-SET®	1 x 6x89; 1 x 8x89; 1 x 10x89
	Mplus	
3	875/4 TRI-WING®	1 x 1x89; 1 x 2x89; 1 x 3x89; 1 x 4x89

# How can time wasted by using the wrong screwdriver be avoided?



Frequently, users have to work with their tools at a fixed workplace location as well as at external sites. Just as frequently, it is only on site that a decision is taken as to whether to work manually or with a power tool.

The Kraftform Kompakt tool sets equip the user for both types of

operation with just one single set. Additionally, the sets are kept in belt pouches or plastic cases. This keeps them secure and clean and means that they are clearly arranged for easy tool selection, something that is very practical when they are to be used or transported.



## Vacuum ice-hardened



The stainless steel tools from Wera are vacuum ice-hardened and have the hardness and strength needed for screw connections. There are no limitations to the industrial applications they are suitable for.

# Kraftform Kompakt 70 and 71

## Kraftform handle, Rapidaptor and 30 bits

## Kraftform Kompakt 70 universal



#### 32-piece set

1 Kraftform bitholding screwdriver 816 R with Rapidaptor quick-release chuck, 1 universal bit holder 889/4/1 K Rapidaptor

-		
05 <b>057110</b> 001		
•	816 R	1 x 1/4"x119
●0	889/4/1 K	1 x 1/4"x50
•	851/1 TZ PH	3 x PH 1x25; 3 x PH 2x25; 3 x PH 3x25
0	855/1 TZ PZ	3 x PZ 1x25; 3 x PZ 2x25; 3 x PZ 3x25
⊕	867/1 Z TORX® BO	1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
		1 x TX 25x25; 1 x TX 30x25; 1 x TX 40x25
•	800/1 TZ	1 x 0,6x4,5x25; 1 x 1,0x5,5x25;
		1 x 1,2x6,5x25
0	840/1 Z Hex-Plus	1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25

## Kraftform Kompakt 71 security



32-piece set

1 Kraftform bitholding screwdriver 816 R with Rapidaptor quick-release chuck, 1 universal bit holder 889/4/1 K Rapidaptor

05 <b>057111</b> 001		
•	816 R	1 x 1/4"x119
●0	889/4/1 K	1 x 1/4"x50
•	867/1 Z TORX® BO	1 x TX 7x25; 1 x TX 8x25; 1 x TX 9x25;
		1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
		1 x TX 25x25; 1 x TX 30x25; 1 x TX 40x25
•	840/1 Z Hex-Plus	1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25;
	B0	1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25
0	868/1 Z	1 x # 0x25; 1 x # 1x25; 1 x # 2x25;
		1 x # 3x25
•	871/1 TORQ-SET®	1 x 6x25; 1 x 8x25; 1 x 10x25;
	Mplus 25 mm	1 x 1/4"x25
•	875/1 TRI-WING®	1 x 1x25; 1 x 2x25; 1 x 3x25
	25 mm	
•	857/1 Z Spanner	1 x 4x25; 1 x 6x25; 1 x 8x25; 1 x 10x25





# Kraftform Kompakt 100

## Bits, Bit Holders and L-keys in one tool set

## Kraftform Kompakt 100



52-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility.

Compact tool set with 52 screwdriving tools. 1 hand holder Rapidaptor with quick-release chuck; 1 bit holder Rapidaptor with quick-release chuck; 30 BiTorsion bits (25 mm length) for long service life, tough (BTZ), for universal use, extra-hard (BTH), 12 Impaktor bits (50 mm length) for an above-average service life even under extreme conditions, 8 L-keys with Hex-Plus profile (reduces the notching effect that is damaging for the head of the screw) ball-end on long arm; extremely robust textile box, extremely robust, for long service life, can be stored in an spacesaving upright position; textile material for surface protection.

05 <b>057460</b> 001		
•	813 R	1 x 1/4"x90
●0	889/4/1 K	1 x 1/4"x50
•	851/1 BTZ PH	2 x PH 1x25; 4 x PH 2x25; 2 x PH 3x25
•	851/4 IMP DC	2 x PH 2x50; 1 x PH 3x50
•	855/1 BTH PZ	2 x PZ 1x25; 4 x PZ 2x25; 2 x PZ 3x25
•	855/4 IMP DC	2 x PZ 2x50; 1 x PZ 3x50
0	867/1 TORX®	2 x TX 10x25; 2 x TX 15x25; 3 x TX 20x25;
	BTZ	2 x TX 25x25; 2 x TX 30x25; 1 x TX 40x25
0	867/4 IMP DC	1 x TX 25x50; 1 x TX 30x50; 1 x TX 40x50
•	800/1 BTZ	1 x 0,8x5,5x25; 1 x 1,0x5,5x25
0	840/4 IMP DC	1 x 4,0x50; 1 x 5,0x50; 1 x 6,0x50
0	950 PKS	1 x 1,5x50 <sup>1)</sup> ; 1 x 2,0x56; 1 x 2,5x63;
		1 x 3,0x71; 1 x 4,0x80; 1 x 5,0x90;
		1 x 6,0x100; 1 x 8,0x112

<sup>1)</sup> Regular hexagon



# Zyklop Mini

## For confined spaces

#### **Tool-Check PLUS**















28 bits, 1 hand holder 813 suitable for the attachment of bits with 1/4" hexagon drive as per DIN ISO 1173-C 6,3 and Wera connection series 1, 1 Rapidaptor bit holder, 1 adaptor 870/1 ( $^{1}V_{4}$ " hexagon to  $^{1}V_{4}$ " square), 7 sockets ( $^{1}V_{4}$ "); 1 Wera Bit Ratchet, drop-forged full steel design suitable for the attachment of bits with  $^{1}V_{4}$ " hexagon drive as per DIN ISO 1173-C 6,3 and E 6,3 and Wera connection series 1 and 4; the use of  $^{1}V_{4}$ " sockets is also possible with the application of the Wera adaptor  $^{9}$ 70/1 application of the Wera adaptor 870/1

05 <b>056490</b> 001		
	8001 A	1 x 1/4"x87,0
•	813	1 x 1/4"x78
●0	889/4/1 K	1 x 1/4"x50
00	870/1	1 x 1/4"x25
•	8790 HMA	1 x 5,5x23,0; 1 x 6,0x23,0; 1 x 7,0x23,0;
		1 x 8,0x23,0; 1 x 10,0x23,0; 1 x 12,0x23,0;
		1 x 13,0x23,0
0	851/1 TZ PH	2 x PH 1x25; 3 x PH 2x25; 1 x PH 3x25
0	855/1 TH PZ	1 x PZ 1x25; 3 x PZ 2x25; 1 x PZ 3x25
0	867/1 TZ	1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
	TORX®	1 x TX 25x25; 1 x TX 30x25; 1 x TX 40x25
•	867/1 Z TORX	<sup>®</sup> 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
	B0	1 x TX 25x25; 1 x TX 30x25
0	840/1 Z	1 x 3,0x25; 1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25;
	Hex-Plus	1 x 8,0x25
•	800/1 TZ	1 x 1,0x5,5x25

#### **Tool-Check PLUS Imperial**

















28 bits, 1 hand holder 813 suitable for the attachment of bits with  $^1\!/_4$ " hexagon drive as per DIN ISO 1173-C 6,3 and Wera connection series 1, 1 Rapidaptor bit holder, 1 adaptor 870/1 ( $^1\!/_4$ " hexagon to  $^1\!/_4$ " square), 7 sockets ( $^1\!/_4$ "); 1 Wera Bit Ratchet, drop-forged full steel design suitable for the attachment of bits with  $^{1}\!\!/_{_4}$ " hexagon drive as per DIN ISO 1173-C 6,3 and E 6,3 and Wera connection series 1 and 4; the use of  $^{1}\!\!/_{_4}$ " sockets is also possible with the application of the Wera adaptor 870/1

05 <b>056491</b> 001		
	8001 A	1 x 1/4"x87,0
•	813	1 x 1/4"x78
●0	889/4/1 K	1 x 1/4"x50
00	870/1	1 x 1/4"x25
•	8790 HMA	1 x 3/16"x23,0; 1 x 1/4"x23,0; 1 x 5/16"x23,0;
		1 x 11/32"x23,0; 1 x 3/8"x23,0;
		1 x 7/16"x23,0; 1 x 1/2"x23,0
•	851/1 TZ PH	2 x PH 1x25; 3 x PH 2x25; 1 x PH 3x25
•	800/1 TZ	1 x 1,0x5,5x25
0	867/1 TZ	1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
	TORX®	1 x TX 25x25; 1 x TX 30x25; 1 x TX 40x25
Θ	867/1 Z TORX®	<sup>9</sup> 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
	B0	1 x TX 25x25; 1 x TX 30x25
0	840/1 Z	1 x 3/32"x25; 1 x 1/8"x25; 1 x 5/32"x25;
	Hex-Plus	1 x 3/16"x25; 1 x 5/16"x25
0	868/1 V	1 x # 1x25; 3 x # 2x25; 1 x # 3x25

## Tip

## Zyklop Mini 1 ratchet



The fine tooth mechanism, with its 60 teeth, allows a small return angle of only 6° – ideal for precision work.



Thumbwheel enables rapid screwdriving, even when there isn't sufficient room for ratcheting use.



Simple switching between left/right operations.



# Rapidaptor

## Rapid-in and self-lock



The bit can be pushed into the adaptor without moving the sleeve. The lock is activated automatically as soon as the bit is applied to the screw. Bits are held securely and wobble-free.



To learn more about this product, scan the

QR code.

# Kraftform Kompakt Vario

## With Ratchet Function

## Kraftform Kompakt 60 RA, imperial



#### Pouch with 89 mm bits

#### 17-piece set

1 hand-held bit holder 816 RA Kraftform with ratchet function, fine-tooth design for minimal return angle, switchover ring (right, locked, left), maximum torque of up to 50 Newton metres,  $^{1}\!/_{_4}$ " hexagon chuck with Rapidaptor technology i.e. rapid-in, rapid-out, rapid-spin, chuck-all and single-hand function for rapid bit change, magnetic and 16 bits of 89 mm in length suitable for holders as per DIN ISO 1173-F 6,3 or for direct insertion in a power tool

05 <b>051041</b> 001		
•	816 RA	1 x 1/4"x142,0
0	851/4 Z PH	1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89
0	867/4 Z TORX® BO	1 x TX 10x89; 1 x TX 15x89; 1 x TX 20x89;
		1 x TX 25x89; 1 x TX 30x89
•	800/4 Z	1 x 1,0x5,5x89
0	840/4 Z Hex-Plus	1 x 3/32"x89; 1 x 1/8"x89; 1 x 5/32"x89;
		1 x 3/16"x89
0	868/4 Square-Plus	1 x # 1x89; 1 x # 2x89; 1 x # 3x89

## **Kraftform Kompakt Pistol RA**



#### 7-piece set

1 hand-held bit holder 814 RA Kraftform, integrated Magazine, with ratchet function, fine-tooth design for minimal return angle, switchover ring (right, locked, left), maximum torque of up to 50 Newton metres, 1/4" hexagon chuck with Rapidaptor technology i.e. rapid-in, rapid-out, rapid-spin, chuck-all and single-hand function for rapid bit change, magnetic and 6 bits of 25 mm in length suitable for holders as per DIN ISO 1173-D 6,3

#### Holster

05 <b>051030</b> 001		
	814 RA	1 x 1/4"
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25
0	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 TORX®	1 x TX 20x25; 1 x TX 25x25

## Kraftform Kompakt Pistol RA 4



#### 13-piece set

1 hand-held bit holder 814 RA Kraftform, integrated Magazine, with ratchet function, fine-tooth design for minimal return angle, switchover ring (right, locked, left), maximum torque of up to 50 Newton metres,  $^{1}\!/_{\!_4}$ " hexagon chuck with Rapidaptor technology i.e. rapid-in, rapid-out, rapid-spin, chuck-all and single-hand function for rapid bit change, magnetic, 6 bits of 25 mm in length suitable for holders as per DIN ISO 1173-D 6.3 and 6 bits of 89 mm in length suitable for holders as per DIN ISO 1173-F 6.3

#### Holster

05 <b>051031</b> 001	
	<b>814 RA</b> 1 x 1/4"
•	<b>851/1 BTZ PH</b> 1 x PH 1x25; 1 x PH 2x25
0	<b>855/1 BTZ PZ</b> 1 x PZ 1x25; 1 x PZ 2x25
0	<b>867/1 TORX</b> ® 1 x TX 20x25; 1 x TX 25x25
	BTZ
0	<b>851/4 Z PH</b> 1 x PH 1x89; 1 x PH 2x89
0	<b>855/4 Z PZ</b> 1 x PZ 1x89; 1 x PZ 2x89
0	<b>867/4 Z TORX</b> ®1 x TX 20x89; 1 x TX 25x89

## Tip

## Fine-tooth design



Fine action 44 tooth system for precision work. Great time savings when screwdriving.

## Reverse direction switch



Ergonomic design of the reverse direction switch.

## Fine adjustment work



Additionally, the lockable neutral position permits exact adjustment work without having to change the screwdriving direction every time. Lockable neutral position for fine adjustment work.

## **ESD Series**

## **ESD-safe tools**

## Kraftform Kompakt Micro 21 ESD 1



21-piece set
Pouch with 44 mm bits
1 Kraftform Micro ESD bitholding screwdriver

_		
05 <b>135973</b> 001		
● •	1013	1 x 97
	Kraftform	
	Micro ESD	
•	851/9 C	1 x PH 000x44 1); 1 x PH 00x44 1); 1 x PH 0x44 2)
0	867/9 C	1 x TX 1x44; 1 x TX 2x44; 1 x TX 3x44;
	TORX®	1 x TX 4x44; 1 x TX 5x44
0	867/9 C TORX	1 x 1 IPx44; 1 x 2 IPx44; 1 x 3 IPx44;
	PLUS®	1 x 4 IPx44
0	867/9 IPR	1 x 1 IPRx44
	TORX® PLUS	
٥	872/9	1 x mx44; 1 x 00x44; 1 x Fx44; 1 x 0x44
•	800/9 C	1 x 0,23x1,5x44; 1 x 0,35x2,5x44
•	869/9	1 x 2,5x44,0
•	TORX® PLUS 872/9 800/9 C	1 x 0,23x1,5x44; 1 x 0,35x2,5x44

<sup>1)</sup> Optimised for Asian PH screws

## Kraftform Kompakt Micro 20 ESD 1



20-piece set Pouch with 44 mm bits 1 Kraftform Micro ESD bitholding screwdriver

05 <b>073671</b> 001		
● ①	1013	1 x 97
	Kraftform	
	Micro ESD	
•	851/9 C	1 x PH 00x44 1); 1 x PH 0x44 2); 1 x PH 1x44 1)
0	867/9 C	1 x TX 1x44; 1 x TX 2x44; 1 x TX 3x44;
	TORX®	1 x TX 4x44; 1 x TX 5x44; 1 x TX 6x44
0	867/9 C TORX	1 x 1 IPx44; 1 x 2 IPx44; 1 x 3 IPx44;
	PLUS®	1 x 4 IPx44
0	840/9 C	1 x 1,5x44; 1 x 2,0x44
•	800/9 C	1 x 0,23x1,5x44; 1 x 0,40x2,0x44;
		1 x 0,50x3,0x44
0	867/9 IPR	1 x 1 IPRx44
	TORX® PLUS	

<sup>1)</sup> Optimised for Asian PH screws

<sup>&</sup>lt;sup>2)</sup> Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

<sup>&</sup>lt;sup>2)</sup> Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

## Tip

## Kraftform Kompakt Micro 11 ESD 1



Pouch with 44 mm bits

1 Kraftform Micro ESD bitholding of

1 Kraftform Micro ESD bitholding screwdriver

•		
05 <b>073670</b> 001		
●€	1013 Kraftform Micro ESD	1 x 97
•	851/9 C	1 x PH 00x44 1); 1 x PH 0x44 2); 1 x PH 1x44 1)
0	867/9 C TORX®	1 x TX 5x44; 1 x TX 6x44
•	800/9 C	1 x 0,23x1,5x44; 1 x 0,40x2,0x44; 1 x 0,50x3,0x44
0	840/9 C	1 x 1,5x44; 1 x 2,0x44

<sup>1)</sup> Optimised for Asian PH screws

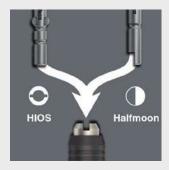
# ESD TOOL

## **ESD-safe tools**



The requirements for ESD-safe screwdrivers are specified in the European standard DIN EN 61340-5-1. This standard also includes a handle that has to be out of a defined conductive material. The Wera products in the ESD series satisfy these standards and the even more stringent requirements demanded by some technology companies.

## For Halfmoon and HIOS Bits



The Kraftform Micro bitholder 1013 ESD features a combination bitholder for both bits with Halfmoon and bits with HIOS drive.

<sup>&</sup>lt;sup>2)</sup> Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)



# **L-Keys**



## L-Keys

We questioned the classic L-key design, since all too often the screw head recess is rounded out, meaning screws can no longer be tightened or loosened — and so the user finds the L-key slipping out of the recess.

Wera Hex-Plus tools have a larger contact surface in the screw head. The notching effects are reduced and thereby the deformation of the screws. At the same time, as much as 20 % more torque can be applied.





SPKL – protects fingers! L-keys with a thermoplastic sleeve (SPKL) are manufactured out of easy-to-grip, circular material. The sleeve ensures that work is safe and comfortable even at low temperatures. High corrosion protection features thanks to the special BlackLaser surface treatment. Colour coding and large stamp to enable the desired L-key to be easily located.



Chrome-plated hexagon L-keys or with BlackLaser surface treatment for outstanding surface protection and long service life. High corrosion protection.



The size of each L-keys has been engraved by a laser. In addition SPKL L-keys have a colour coding according to sizes – for simple and rapid accessing of the required tool. Making it easy to find the right tool.





The wear-resistant clip material ensures that the L-keys are securely held yet are easy to remove.



Hexagon screws can endure a problem because the contact surfaces delivering the power from the conventional tool, is transferred to the screw via very small surface areas. The consequence: the screw can become damaged (rounding out). Hex-Plus tools have a greater contact surface that prevents this from happening! At the same time, as much as 20 % more torque can be applied. Good to know: Hex-Plus tools fit into every standard hexagon socket screw!

# L-Keys for Hexagon Socket Screws

# The Hex-Plus profile extends the service life of hexagon socket screws

950/9 Hex-Plus Multicolour HF 1 L-key set, metric, BlackLaser, with holding function











9-piece set in a two-component clip

Application: Hexagon socket screws

**Design:** BlackLaser surface, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

**Tip:** Hex-Plus, ball-end hexagon on long arm, holding function for

hexagon socket screws, sizes: 1.5, 2.0 and 2.5 without holding

function

05 <b>022210</b> 001		
0	950 SPKL	1 x 1,5x90; 1 x 2,0x101; 1 x 2,5x112
	Multicolour	
0	950 SPKL HF	1 x 3,0x123; 1 x 4,0x137; 1 x 5,0x154;
	Multicolour	1 x 6,0x172; 1 x 8,0x195; 1 x 10,0x224

950/9 Hex-Plus Multicolour 1 L-key set, metric, BlackLaser









9-piece set in a two-component clip

Application: Hexagon socket screws

**Design:** BlackLaser surface, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool

**Tip:** Hex-Plus, ball-end hexagon on long arm

05 <b>022089</b> 001		
0	950 SPKL Multicolour	1 x 1,5x90; 1 x 2,0x101; 1 x 2,5x112; 1 x 3,0x123; 1 x 4,0x137; 1 x 5,0x154;
		1 x 6.0x172: 1 x 8.0x195: 1 x 10.0x224

# 950/9 Hex-Plus Multicolour Imperial 1 L-key set, imperial, BlackLaser









9-piece set in belt pouch

Application: Hexagon socket screws

**Design:** BlackLaser surface, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

he right tool.

Tip: Hex-Plus, ball-end hexagon on long arm

05 <b>022639</b> 001	
0	<b>950 SPKL inch</b> 1 x 5/64"x101; 1 x 3/32"x112; 1 x 1/8"x123;
	1 x 5/32"x137; 1 x 3/16"x154; 1 x 7/32"x172;
	1 x 1/4"x185: 1 x 5/16"x195: 1 x 3/8"x224

#### 950/9 Hex-Plus 1 L-key set, metric, chrome-plated



9-piece set in a two-component clip

Application: Hexagon socket screws

**Design:** Chrome-plated

**Tip:** Hex-Plus, ball-end hexagon on long arm

05 <b>022087</b> 001		
0	950 PKL	1 x 1,5x90 <sup>1)</sup> ; 1 x 2,0x100; 1 x 2,5x112; 1 x 3,0x126; 1 x 4,0x140; 1 x 5,0x160;
		1 x 6.0x180: 1 x 8.0x200: 1 x 10.0x219

<sup>1)</sup> Regular hexagon

#### 950/9 Hex-Plus 6 L-key set, metric, BlackLaser



9-piece set in a two-component clip

**Application:** Hexagon socket screws **Design:** BlackLaser surface

Tip: Hex-Plus, ball-end hexagon on long arm

05 <b>022086</b> 001			
0	950 PKL BM	1 x 1,5x90 <sup>1)</sup> ; 1 x 2,0x100; 1 x 2,5x112;	
		1 x 3,0x126; 1 x 4,0x140; 1 x 5,0x160;	
		1 x 6 0x180· 1 x 8 0x200· 1 x 10 0x219	

<sup>1)</sup> Regular hexagon

## Tip



## "Take it easy"



"Take it easy" tool finder system — with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).



## TORX® and hexagon ball tip



The spherical drive profile means that it is possible to swivel the axis of the tool to that of the screw, and therefore enable angled, "around-the-corner" screwdriving jobs.



## Holding function on long arm



The clamping of the screw is achieved by a flexible locking ball. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.

# L-Keys for Hexagon Socket Screws

# The Hex-Plus profile extends the service life of hexagon socket screws

### 950/9 Hex-Plus 2 L-key set, metric, chrome-plated



9-piece set in a two-component clip

Application: Hexagon socket screws

**Design:** Chrome-plated **Tip:** Hex-Plus

05 <b>021909</b> 001		
0	950 L	1 x 1,5x90 <sup>1)</sup> ; 1 x 2,0x100; 1 x 2,5x112;
		1 x 3,0x126; 1 x 4,0x140; 1 x 5,0x160;
		1 x 6.0x180: 1 x 8.0x200: 1 x 10.0x219

<sup>1)</sup> Regular hexagon

## 950/13 Hex-Plus Imperial 1 L-key set, imperial, BlackLaser





13-piece set in a two-component clip

**Application:** Hexagon socket screws **Design:** BlackLaser surface

Tip: Hex-Plus, ball-end hexagon on long arm

05 <b>021728</b> 001		
0	950 PKL inch	1 x 0,05"x83 1); 1 x 1/16"x91 1); 1 x 5/64"x100;
		1 x 3/32"x112; 1 x 7/64"x119; 1 x 1/8"x126;
		1 x 9/64"x132; 1 x 5/32"x140; 1 x 3/16"x160;
		1 x 7/32"x180; 1 x 1/4"x190; 1 x 5/16"x200;
		1 x 3/8"x212

<sup>1)</sup> Regular hexagon

## 950/9 Hex-Plus Imperial 1 L-key set, imperial, BlackLaser



9-piece set in a two-component clip

Application: Hexagon socket screws

Design: BlackLaser surface

**Tip:** Hex-Plus, ball-end hexagon on long arm

05 <b>022171</b> 001		
0	950 PKL inch	1 x 5/64"x100; 1 x 3/32"x112; 1 x 1/8"x126;
		1 x 5/32"x140; 1 x 3/16"x160; 1 x 7/32"x180;
		1 x 1/4"x190; 1 x 5/16"x200; 1 x 3/8"x212

## 950 SPKL L-key Multicolour, metric



Application: Hexagon socket screws

**Design:** BlackLaser surface, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find  $\,$ 

the right tool.

**Tip:** Hex-Plus, ball-end hexagon on long arm

	O	Ľ;	<u>L</u> _	Ľ;	L
05 <b>022600</b> 001	1,5	90	14	3 1/2"	9/16
05 <b>022602</b> 001	2,0	101	16	4"	5/8"
05 <b>022604</b> 001	2,5	112	19	4 7/16"	3/4"
05 <b>022606</b> 001	3,0	123	21	4 7/8"	27/ " 32
05 <b>022608</b> 001	4,0	137	24	5 3/8"	1"
05 <b>022610</b> 001	5,0	154	27	6 1/1"	1 1/1"
05 <b>022612</b> 001	6,0	172	31	6 3/4"	1 1/4"
05 <b>022614</b> 001	8,0	195	37	7 11/16"	1 7/_"
05 <b>022616</b> 001	10,0	224	42	9"	1 11/16"

### 950 SPKL L-key Multicolour, imperial



Application: Hexagon socket screws

Design: BlackLaser surface, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

**Tip:** Hex-Plus, ball-end hexagon on long arm

	0	Ľ; mm	L mm	Ľ,	<u>L</u>	
05 <b>022630</b> 001	5/64"	101	16	4"	5/8"	
05 <b>022631</b> 001	3/32"	112	19	4 7/16"	3/4"	
05 <b>022632</b> 001	1/"	123	21	4 <sup>7</sup> / <sub>8</sub> "	27/ "	
05 <b>022633</b> 001	5/32"	137	24	5 3/8"	1"	
05 <b>022634</b> 001	3/ <sub>16</sub> "	154	27	6 1/,"	1 1/,"	
05 <b>022635</b> 001	7/ <sub>32</sub> "	172	31	6 3/4"	1 1/4"	
05 <b>022636</b> 001	1/ "	185	34	7 1/4"	1 <sup>5</sup> / <sub>16</sub> "	
05 <b>022637</b> 001	5/ " 16	195	37	7 11/16"	1 7/16"	
05 <b>022638</b> 001	3/8"	224	42	9"	1 11/ "	

## Tip



## Hex-Plus for hexagon socket screws



Hexagon screws can endure a problem because the contact surfaces delivering the power from the conventional tool, is transferred to the screw via very small surface areas. The consequence: the screw can become damaged (rounding out). Hex-Plus tools have a greater contact surface that prevents this from happening! At the same time, as

much as 20 % more torque can be applied. Good to know: Hex-Plus tools fit into every standard hexagon socket screw!

# L-Keys for Hexagon Socket Screws

# The Hex-Plus profile extends the service life of hexagon socket screws

### 950 PKL L-key, metric, chrome-plated



Application: Hexagon socket screws

Design: Chrome-plated

**Tip:** Hex-Plus, ball-end hexagon on long arm

	0	Ľ,	Ĺ,	Ľ,	Ĺ	
	mm	mm	mm			
05 <b>022050</b> 001 <sup>1)</sup>	1,5	90	14	3 1/2"	9/"	
05 <b>022052</b> 001	2,0	100	16	4"	5/8"	
05 <b>022054</b> 001	2,5	112	18	4 7/16"	23/32"	
05 <b>022056</b> 001	3,0	126	20	5"	<sup>25</sup> / <sub>32</sub> "	
05 <b>022058</b> 001	4,0	140	25	5 1/2"	1"	
05 <b>022060</b> 001	5,0	160	28	6 5/16"	1 3/32"	
05 <b>022062</b> 001	6,0	180	32	7 1/16"	1 1/4"	
05 <b>022063</b> 001	7,0	190	34	7 1/2"	1 <sup>5</sup> / <sub>16</sub> "	
05 <b>022064</b> 001	8,0	200	36	8"	1 7/_"	
05 <b>022066</b> 001	10,0	219	40	8 11/16"	1 9/ "	
05 <b>022067</b> 001	12,0	248	45	10"	1 3/4"	·

<sup>1)</sup> Regular hexagon

#### 950 PKL BM L-key, metric, BlackLaser



Application: Hexagon socket screws

Design: BlackLaser surface

Tip: Hex-Plus, ball-end hexagon on long arm

	0	Ľ,	Ĺ,	Ľ,	Ĺ	
	mm	mm	mm			
05 <b>027101</b> 001 <sup>1)</sup>	1,5	90	14	3 1/2"	9/"	
05 <b>027102</b> 001	2,0	100	16	4"	5/8"	
05 <b>027103</b> 001	2,5	112	18	4 7/16"	23/32"	
05 <b>027104</b> 001	3,0	126	19	5"	3/4"	
05 <b>027105</b> 001	4,0	140	25	5 1/2"	1"	
05 <b>027106</b> 001	5,0	160	28	6 5/16"	1 3/3"	
05 <b>027107</b> 001	6,0	180	32	7 1/ "	1 1/4"	
05 <b>027110</b> 001	7,0	190	34	7 1/2"	1 5/ "	
05 <b>027108</b> 001	8,0	200	36	8"	1 7/ "	
05 <b>027109</b> 001	10,0	219	40	8 11/, "	1 9/ "	
05 <b>027111</b> 001	12,0	248	45	10"	1 3/4"	

<sup>1)</sup> Regular hexagon

950 PKL L-key, imperial, BlackLaser



Application:Hexagon socket screwsDesign:BlackLaser surface

Tip: Hex-Plus, ball-end hexagon on long arm

	0	Ľ; mm	L mm	Ľ:	Ĺ	
05 <b>022079</b> 001 <sup>1)</sup>	0,05"	83	14	3 1/4"	9/16"	
05 <b>022081</b> 001 <sup>1)</sup>	1/_"	91	15	3 1/2"	19/32"	
05 <b>022068</b> 001	5/64"	100	16	4"	5/8"	
05 <b>022070</b> 001	3/32"	112	18	4 <sup>7</sup> / <sub>16</sub> "	23/_"	
05 <b>022071</b> 001	7/ <sub>64</sub> "	119	19	4 3/4"	3/4"	
05 <b>022072</b> 001	1/8"	126	20	5"	25/32"	
05 <b>022073</b> 001	9/64	132	23	5 <sup>3</sup> / <sub>16</sub> "	29/32"	
05 <b>022074</b> 001	5/32"	140	25	5 1/2"	1"	
05 <b>022076</b> 001	3/ <sub>16</sub> "	160	25	6 5/16"	1"	
05 <b>022078</b> 001	7/ <sub>32</sub> "	180	27	7 1/16"	1 1/,"	
05 <b>022080</b> 001	1/4"	190	34	7 1/2"	1 <sup>5</sup> / <sub>16</sub> "	
05 <b>022082</b> 001	5/ <sub>16</sub> "	200	36	8"	1 7/_"	
05 <b>022095</b> 001	3/8"	212	38	8 3/8"	1 1/2"	
05 <b>022096</b> 001	1/2"	224	40	9"	1 <sup>9</sup> / <sub>16</sub> "	

<sup>1)</sup> Regular hexagon

## 950 PKLS Long Arm Ballpoint Hex Key, metric, chrome plated



Application: For hexagon socket screws

**Design:** Chrome plated, with extra short arm for use on screws that are

difficult to access

**Tip:** Hex-Plus, ballpoint hexagon on long arm

	0	L;	Ĺ	L;	Ĺ
	mm	mm	mm		
05 <b>022040</b> 001 1)	1,5	90	4,5	3 1/2"	11/_"
05 <b>022041</b> 001	2,0	100	5,5	4"	7/ <sub>32</sub> "
05 <b>022042</b> 001	2,5	112	6,5	4 7/16"	1/4"
05 <b>022043</b> 001	3,0	126	7,5	5"	19/ <sub>64</sub> "
05 <b>022044</b> 001	4,0	140	10,0	5 1/2"	25/ " 64
05 <b>022045</b> 001	5,0	160	12	6 5/16"	15/32
05 <b>022046</b> 001	6,0	180	15	7 1/16"	19/32"
05 <b>022047</b> 001	8,0	200	19	8"	3/4"
05 <b>022048</b> 001	10,0	219	22	8 5/8"	7/ <sub>8</sub> "

<sup>1)</sup> Regular hexagon

## 950 PKS L-key, metric, chrome-plated



Application: Hexagon socket screws

Design: Short, chrome-plated

**Tip:** Hex-Plus, ball-end hexagon on long arm

	O	L: mm	L mm	L:	Ĺ
05 <b>133150</b> 001 <sup>1)</sup>	1,5	50	14	2"	9/ "
05 <b>133151</b> 001	2,0	56	16	2 7/32"	5/8"
05 <b>133152</b> 001	2,5	63	18	2 1/2"	23/32"
05 <b>133153</b> 001	3,0	71	20	2 3/4"	25/32
05 <b>133154</b> 001	4,0	80	22	3"	<sup>29</sup> / <sub>32</sub> "
05 <b>133155</b> 001	5,0	90	25	3 1/2"	1"
05 <b>133156</b> 001	6,0	100	28	4"	1 3/3"
05 <b>133157</b> 001	8,0	112	32	4 7/16"	1 1/4"
05 <b>133158</b> 001	10,0	125	36	5"	1 <sup>5</sup> / <sub>16</sub> "

<sup>1)</sup> Regular hexagon

## 950 BM L-key, metric, BlackLaser



Application: Hexagon socket screws
Design: BlackLaser surface
Tip: Hex-Plus

	0	Ľ;	Ĺ,	Ľ,	<u>_</u>	
	mm	mm	mm			
05 <b>027201</b> 001 <sup>1)</sup>	1,5	45	14	1 3/4"	9/ "	
05 <b>027202</b> 001	2,0	50	16	2"	5/8"	
05 <b>027203</b> 001	2,5	56	18	2 7/32"	23/32	
05 <b>027204</b> 001	3,0	63	20	2 1/2"	25/ "	
05 <b>027205</b> 001	3,5	66	23	2 5/8"	29/ "	
05 <b>027206</b> 001	4,0	70	25	2 3/4"	1"	
05 <b>027207</b> 001	4,5	75	26	3"	1 1/32"	
05 <b>027208</b> 001	5,0	80	28	3 1/8"	1 3/32"	
05 <b>027209</b> 001	6,0	90	32	3 1/2"	1 1/4"	
05 <b>027210</b> 001	7,0	95	34	3 3/4"	1 <sup>5</sup> / <sub>16</sub> "	
05 <b>027211</b> 001	8,0	100	36	4"	1 <sup>7</sup> / <sub>16</sub> "	
05 <b>027213</b> 001	9,0	106	38	4 11/64"	1 1/2"	
05 <b>027212</b> 001	10,0	112	40	4 7/16"	1 <sup>9</sup> / <sub>16</sub> "	
05 <b>027214</b> 001	11,0	120	43	4 23/32"	1 11/ "	
05 <b>027215</b> 001	12,0	125	45	5"	1 49/ "	

<sup>1)</sup> Regular hexagon.

## 950 L-key, metric, chrome-plated



Application:Hexagon socket screwsDesign:Chrome-platedTip:Hex-Plus

Color   Col						
05021005001         1)         1,5         45         14         1 3/4"         9/16"           05021010001         2,0         50         16         2"         5/8"           05021015001         2,5         56         18         2 7/3"         23/3"           05021020001         3,0         63         20         2 1½"         25/3"         25/3"           05021025001         3,5         66         23         2 5/8"         29/3"         1"           05021035001         4,0         70         25         2 3/4"         1"         1"           05021040001         5,0         80         28         3 1/8"         1 3/3"         1 1/3"           05021045001         6,0         90         32         3 1/2"         1 1/4"         1 1/4"           05021055001         7,0         95         34         3 3/4"         1 5/16"         1 5/16"           05021065001         9,0         106         38         4 3/16"         1 1/2"           05021075001         10,0         112         40         4 7/16"         1 9/16"           05021075001         12,0         125         45         5"         1 3/4"		0	Ľ,	Ĺ	Ľ,	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		mm	mm	mm		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>021005</b> 001 <sup>1)</sup>	1,5	45	14	1 3/4"	9/ "
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021010</b> 001	2,0	50	16	2"	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021015</b> 001	2,5	56	18	2 7/32"	23/32"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021020</b> 001	3,0	63	20	2 1/2"	25/32"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021025</b> 001	3,5	66	23		29/32"
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>021030</b> 001	4,0	70	25	2 3/4"	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021035</b> 001	4,5	75	26	3"	1 1/32"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021040</b> 001	5,0	80	28	3 1/8"	1 3/32"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021045</b> 001	6,0	90	32		1 1/4"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021050</b> 001	7,0	95	34	3 3/4"	1 <sup>5</sup> / <sub>16</sub> "
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021055</b> 001	8,0	100	36	4"	1 7/_"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021060</b> 001	9,0	106	38	4 3/16"	1 1/2"
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021065</b> 001	10,0	112	40	4 7/16"	1 <sup>9</sup> / <sub>16</sub> "
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	05 <b>021070</b> 001	11,0	120	43		1 11/, "
05021085001         1)         14,0         140         56         5 \( \frac{1}{2} \) "         2 \( \frac{7}{32} \) "           05021090001         1)         17,0         160         63         6 \( \frac{7}{16} \) "         2 \( \frac{1}{2} \) "           05021095001         1)         19,0         180         70         7 \( \frac{1}{16} \) "         2 \( \frac{3}{4} \) "           05021100001         1)         22,0         200         80         8"         3 \( \frac{1}{8} \) "           05021105001         1)         24,0         224         90         9"         3 \( \frac{1}{2} \) "	05 <b>021075</b> 001	12,0	125	45	5"	1 3/4"
05021090001     1)     17,0     160     63     6 5/16"     2 1/2"       05021095001     1)     19,0     180     70     7 1/16"     2 3/4"       05021100001     1)     22,0     200     80     8"     3 1/8"       05021105001     1)     24,0     224     90     9"     3 1/2"	05 <b>021080</b> 001	13,0	132	50		2"
05 <b>021095</b> 001 <sup>1)</sup> 19,0 180 70 7 <sup>1</sup> / <sub>16</sub> " 2 <sup>3</sup> / <sub>4</sub> " 05 <b>021100</b> 001 <sup>1)</sup> 22,0 200 80 8" 3 <sup>1</sup> / <sub>8</sub> " 05 <b>021105</b> 001 <sup>1)</sup> 24,0 224 90 9" 3 <sup>1</sup> / <sub>2</sub> "	05 <b>021085</b> 001 <sup>1)</sup>	14,0	140	56		
05 <b>021095</b> 001 <sup>1)</sup> 19,0 180 70 7 $\frac{7}{1_{16}}$ 2 $\frac{3}{4}$ 05 <b>021100</b> 001 <sup>1)</sup> 22,0 200 80 8" 3 $\frac{1}{8}$ 05 <b>021105</b> 001 <sup>1)</sup> 24,0 224 90 9" 3 $\frac{1}{2}$	05 <b>021090</b> 001 <sup>1)</sup>	17,0	160	63	6 5/16"	2 1/2"
05 <b>021100</b> 001 <sup>1)</sup> 22,0 200 80 8" 3 <sup>1</sup> / <sub>8</sub> " 05 <b>021105</b> 001 <sup>1)</sup> 24,0 224 90 9" 3 <sup>1</sup> / <sub>2</sub> "	05 <b>021095</b> 001 <sup>1)</sup>	19,0	180	70	7 1/16"	
2	05 <b>021100</b> 001 1)	22,0	200	80		3 1/8"
00001110001 1) 070 000 100 101 41	05 <b>021105</b> 001 <sup>1)</sup>	24,0	224	90	9"	3 1/2"
03 <b>021110</b> 001 7 27,0 230 100 10 4	05 <b>021110</b> 001 <sup>1)</sup>	27,0	250	100	10"	4"

<sup>1)</sup> Regular hexagon.

## 950 L-key, metric, chrome-plated



Application: Hexagon socket screws
Design: Chrome-plated
Tip: Hex-Plus

	$\cap$	1 '	1	1,	1	
		L,	_ك	L,	٠,	
	mm	mm	mm			
05 <b>021600</b> 001 <sup>1)</sup>	1,5	90	14	3 1/2"	9/ "	
05 <b>021605</b> 001	2,0	100	16	4"	5/8"	
05 <b>021610</b> 001	2,5	112	18	4 <sup>7</sup> / <sub>16</sub> "	23/32	
05 <b>021615</b> 001	3,0	126	20	5"	25/ " 32	
05 <b>021620</b> 001	4,0	140	25	5 1/2"	1"	
05 <b>021625</b> 001	5,0	160	28	6 5/16"	1 <sup>3</sup> / <sub>32</sub> "	
05 <b>021630</b> 001	6,0	180	32	7 1/"	1 1/4"	
05 <b>021632</b> 001	7,0	190	30	7 1/2"	1 1/4"	
05 <b>021635</b> 001	8,0	200	36	8"	1 7/16"	
05 <b>021640</b> 001	10,0	219	40	8 11/_"	1 <sup>9</sup> / <sub>16</sub> "	
05 <b>021645</b> 001	12,0	250	45	10"	1 3/4"	

<sup>1)</sup> Regular hexagon

# L-Keys for **TORX®** Screws

## Powerful, ergonomic, long service life

#### 967/9 TX XL Multicolour HF 1 L-key set with holding function, long









9-piece set in a two-component clip

**Application:** TORX® socket screws

Blade: Zinc-phosphated, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

Design: Holding function for TORX® screws made according to Acument

Intellectual Properties specifications

05024470001 1 x TX 8x90; 1 x TX 9x101; 1 x TX 10x112; ○ ○ 967 SXL HF TORX®

1 x TX 15x123; 1 x TX 20x137; 1 x TX 25x154; Multicolour 1 x TX 27x172: 1 x TX 30x195: 1 x TX 40x224

#### 967/9 TX Multicolour HF 1 L-key set with holding **function**









9-piece set in a two-component clip

**Application:** TORX® socket screws

Blade:

Holding function for TORX® screws made according to Acument Design:

Intellectual Properties specifications, BlackLaser surface, durable plastic sleeve. The contrasting inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find the right tool.

05**024179**001 **967 SL TORX**® 1 x TX 8x76; 1 x TX 9x79; 1 x TX 10x85; 1 x TX 15x90; 1 x TX 20x96; 1 x TX 25x104; 1 x TX 27x112; 1 x TX 30x122; 1 x TX 40x132

#### 967/9 TX XL HF 1 L-key set with holding function, long







9-piece set in a two-component clip

Application: TORX® socket screws Blade: Zinc-phosphated

Design: Holding function for TORX® screws made according to Acument

Intellectual Properties specifications

05 <b>024450</b> 001	
○ ○ 967 XL H	1 x TX 8x90; 1 x TX 9x101; 1 x TX 10x112;
TORX®	1 x TX 15x123; 1 x TX 20x137; 1 x TX 25x154;
	1 x TX 27x172: 1 x TX 30x195: 1 x TX 40x224

#### 967/9 TX HF 1 L-key set with holding function, **BlackLaser**







9-piece set in a two-component clip

Application: TORX® socket screws

Blade:

Design: Holding function for TORX® screws made according to Acument

Intellectual Properties specifications, BlackLaser surface

05**024244**001 **967 L TORX**® 1 x TX 8x76; 1 x TX 9x79; 1 x TX 10x85; 0 1 x TX 15x90; 1 x TX 20x96; 1 x TX 25x104; 1 x TX 27x112; 1 x TX 30x122; 1 x TX 40x132

# 967/9 TX XL Multicolour 1 Multicolour L-key set for TORX® screws, long









9-piece set in a two-component clip

Application: TORX® socket screws

**Design:** Zinc-phosphated, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

Tip: TORX® on short arm, TORX® ball end on long arm, TX 8, TX 9,

TX 10: without ball-end at the long arm

05 <b>024480</b> 001		
00	967 SXL	1 x TX 8x90; 1 x TX 9x101; 1 x TX 10x112
	TORX®	
	Multicolour	
00	967 SPKXL	1 x TX 15x123; 1 x TX 20x137; 1 x TX 25x154;
	TORX®	1 x TX 27x172; 1 x TX 30x195; 1 x TX 40x224
	Multicolour	

# 967/9 TX BO Multicolour 1 L-key set for tamper-proof TORX® screws, BlackLaser











9-piece set in a two-component clip. For recessed screws, it's often advantageous for the screw to be held on the L-key by magnetic force. The Wera clips with magnetiser/demagnetiser enable a magnetisation/demagnetisation of L-keys in a flash.

**Application:** TORX® socket screws with and without pin (BO = bore hole)

**Design:** BlackLaser, durable plastic sleeve. The contrasting inscriptions

on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find the right tool.

**Tip:** TORX® on short arm, TORX® ball end on long arm

## Tip



## The HF profile



In tight assembly or disassembly situations, for example in engine compartments, it is not possible to securely hold the screw with the hand on the screwdriver, and the screw subsequently often gets lost. Lengthy searches or the loss of the screw (with the associated danger that could bring about) are the consequence. The HF tools

developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that the screw is securely held on the tool!



### "Take it easy"



"Take it easy" tool finder system — with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).

<sup>1)</sup> Product without bore hole at the short and without ball-end at the long arm.

<sup>2)</sup> Product without ball-end at the long arm.

# L-Keys for TORX<sup>®</sup> Screws

## Powerful, ergonomic, long service life

## 967 SXL HF TORX® L-key Multicolour with holding function. Iong







Application: TORX® socket screws

**Design:** Zinc-phosphated, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

**Tip:** Holding function for TORX® screws made according to Acument

Intellectual Properties specifications

	0	Ľ; mm	L mm	Ľ,	Ļ	
05 <b>024471</b> 001	TX 8	90	16	3 1/2"	5/8"	
05 <b>024472</b> 001	TX 9	101	16	4"	5/8"	
05 <b>024473</b> 001	TX 10	112	19	4 7/16"	3/4"	
05 <b>024474</b> 001	TX 15	123	21	4 7/8"	27/ "	
05 <b>024475</b> 001	TX 20	137	24	5 3/8"	1"	
05 <b>024476</b> 001	TX 25	154	27	6 1/,"	1 1/,"	
05 <b>024477</b> 001	TX 27	172	31	6 3/4"	1 1/4"	
05 <b>024478</b> 001	TX 30	195	37	7 11/_"	1 7/ "	
05 <b>024479</b> 001	TX 40	224	42	9"	1 11/16"	

## 967 SPKXL TORX® L-key Multicolour, long





Application: TORX® socket screws

**Design:** Zinc-phosphated, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

**Tip:** TORX® on short arm, TORX® ball end on long arm

	0	Ľ; mm	L mm	Ľ;	Ļ	
05 <b>024484</b> 001	TX 15	123	21	4 7/8"	27/32	
05 <b>024485</b> 001	TX 20	137	24	5 <sup>3</sup> / <sub>8</sub> "	1"	
05 <b>024486</b> 001	TX 25	154	27	6 1/"	1 1/,"	
05 <b>024487</b> 001	TX 27	172	31	6 3/4"	1 1/4"	
05 <b>024488</b> 001	TX 30	195	37	7 11/,"	1 7/18"	
05 <b>024489</b> 001	TX 40	224	42	9"	1 <sup>11</sup> / <sub>16</sub> "	

## 967 SL TORX® HF L-key Multicolour with holding function



Application: TORX® socket screws

Blade: Round

**Design:** Holding function for TORX® screws made according to Acument

Intellectual Properties specifications, BlackLaser, durable plastic sleeve. The contrasting inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and

this makes it simpler to find the right tool.

	0	Ľ,	L	Ľ,	L	
		mm	mm			
05 <b>024170</b> 001	TX 8	76	16	3"	5/8"	
05 <b>024171</b> 001	TX 9	79	16	3 1/8"	5/ "	
05 <b>024172</b> 001	TX 10	85	17	3 1/4"	21/32"	
05 <b>024173</b> 001	TX 15	90	18	3 1/2"	23/_"	
05 <b>024174</b> 001	TX 20	96	19	3 3/4"	3/4"	
05 <b>024175</b> 001	TX 25	104	21	4 1/8"	27/ "	
05 <b>024176</b> 001	TX 27	112	22	4 7/16"	29/32"	
05 <b>024177</b> 001	TX 30	122	24	4 13/16"	1"	
05 <b>024178</b> 001	TX 40	132	27	5 <sup>3</sup> / <sub>16</sub> "	1 1/, "	

### 967 SPKL TORX® BO L-key Multicolour



**Application:** TORX® socket screws with and without pin (BO = bore hole)

**Design:** BlackLaser, durable plastic sleeve. The contrasting inscriptions on the colour coded sleeves mean that it is easy to recognize

on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find the right tool.

**Tip:** TORX® on short arm, TORX® ball end on long arm

	<b>②</b>	Ľ; mm	_L_ mm	L:	L	
05 <b>024350</b> 001 <sup>1)</sup>	TX 8	76	16	3"	5/8"	
05 <b>024351</b> 001 <sup>1)</sup>	TX 9	79	16	3 1/8"	5/8	
05 <b>024352</b> 001 <sup>2)</sup>	TX 10	85	17	3 3/8"	21/32	
05 <b>024353</b> 001	TX 15	90	18	3 1/2"	23/32"	
05 <b>024354</b> 001	TX 20	96	19	3 3/4"	3/4"	
05 <b>024355</b> 001	TX 25	104	21	4 1/8"	27/_"	
05 <b>024356</b> 001	TX 27	112	22	4 <sup>7</sup> / <sub>16</sub> "	29/32"	
05 <b>024357</b> 001	TX 30	122	24	4 13/16"	1"	
05 <b>024358</b> 001	TX 40	132	27	5 <sup>3</sup> / <sub>16</sub> "	1 1/1"	

<sup>1)</sup> Product without bore hole at the short and without ball-end at the long arm.

2) Product without ball-end at the long arm

#### 967 SXL TORX® L-key Multicolour, long



Application: TORX® socket screws

**Design:** Zinc-phosphated, durable plastic sleeve. The contrasting

inscriptions on the colour-coded sleeves mean that it is easy to recognise the correct sizes and this makes it simpler to find

the right tool.

Tip: TORX®

	0	Ľ; mm	L mm	Ľ,	Ļ	
05 <b>024481</b> 001	TX 8	90	16	3 1/2"	5/8"	
05 <b>024482</b> 001	TX 9	101	16	4"	5/,"	
05 <b>024483</b> 001	TX 10	112	19	4 <sup>7</sup> / <sub>16</sub> "	3/4"	

### 967 XL HF TORX® L-key with holding function, long



**Application:** TORX® socket screws **Design:** Zinc-phosphated

**Tip:** Holding function for TORX® screws made according to Acument

Intellectual Properties specifications

	0	Ľ; mm	L mm	Ľ;	Ļ	
05 <b>024451</b> 001	TX 8	90	16	3 1/2"	5/,"	10
05 <b>024452</b> 001	TX 9	101	16	4"	5/8"	10
05 <b>024453</b> 001	TX 10	112	19	4 7/16"	3/4"	10
05 <b>024454</b> 001	TX 15	123	21	4 7/8"	<sup>27</sup> / <sub>32</sub> "	10
05 <b>024455</b> 001	TX 20	137	24	5 3/8"	1"	10
05 <b>024456</b> 001	TX 25	154	27	6 1/1"	1 1/, "	10
05 <b>024457</b> 001	TX 27	172	31	6 3/4"	1 1/4"	10
05 <b>024458</b> 001	TX 30	195	37	7 11/ "	1 7/ "	10
05 <b>024459</b> 001	TX 40	224	42	9"	1 11/ "	10

## Tip



## The HF profile



In tight assembly or disassembly situations, for example in engine compartments, it is not possible to securely hold the screw with the hand on the screwdriver, and the screw subsequently often gets lost. Lengthy searches or the loss of the screw (with the associated danger that could bring about) are the consequence. The HF tools

developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that the screw is securely held on the tool!



## "Take it easy"



"Take it easy" tool finder system—with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).



## Ball tip



The spherical drive profile means that it is possible to swivel the axis of the tool to that of the screw, and therefore enable angled, "around-the-corner" screwdriving jobs.



# Ratchets

1/4", Zyklop Ratchets		
	Zyklop Speed	132
Max day acc	Zyklop Metal Push	134
<b>Q Q Q Q Q Q Q Q Q Q</b>	Zyklop Metal Switch	135
	Zyklop Accessories	136
<sup>3</sup> / <sub>8</sub> ", Zyklop Ratchets		
	Zyklop Speed	144
OF See No.	Zyklop Metal Switch	146
<b>*</b>	Zyklop Accessories	148
½", Zyklop Ratchets		
	Zyklop Speed	156
Were Jelice wine	Zyklop Metal Push	157
	Zyklop Accessories	158

## **Zyklop Speed ratchet**

We just could not believe that it was not possible to make a ratchet work more quickly. Moreover, we did not like the way users had to apply many different types of ratchet to get a job done. We therefore questioned everything that was conventional about ratchets. The Zyklop Speed ratchet is what has emerged. The flywheel design of the Zyklop Speed ensures high working speeds. And: the Zyklop Speed combines the advantages of 5 types of ratchet in a single tool. Additionally, it can be used as a screwdriver.



The ratchet head pivots freely and can be locked into any position by using the slide switch that is positioned on either side. It is even possible to work in very confined and difficult-to-access areas with enhanced hand clearance. The predefined locking at 0°, 15° and 90°, both to the right and left, ensure safe working without any slipping of the ratchet head.

The Zyklop Speed ratchets are really fast movers. The gyrating mass design means that screwdriving is accelerated. The rotation-symmetric structure of the Kraftform handle and the free-turning sleeve reinforce this rapid twisting process, particularly when the ratchet does not engage due to too little resistance in the thread.



The outstanding design of the Kraftform handle fits perfectly into the hand, preventing hand injuries such as blisters and calluses. The hard materials used for the handle ensure quick and easy hand repositioning without any danger of the skin "sticking" to the handle, whilst the softer "anti-slip" zones enable the low-loss transfer of high forces — resulting in less screwdriving effort being required. The circular handle design allows rapid turning in the 0° position.





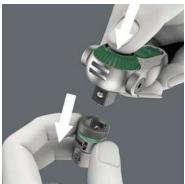
All Zyklop Speed ratchets feature a thumbwheel that can be used to quickly and easily switch between clockwise and anticlockwise rotation, at any position. No complicated handling, no loss of time!





The reversible ratchet with 72 finepitched teeth has a low return angle of only 5°. This short stroke allows fast and precise work in all types of installation.





The ball lock holds the sockets and attachments securely, ensuring safe working. A changeover into any predefined position is completed by simply pressing the release button — this is even the case in the  $90^{\circ}$  position.



The ratchet head has an ergonomic design with finger recesses that offer a perfect contact surface for the hand or fingers to turn the head.



The ratchet can be used as a conventional screwdriver in the 0° position by attaching a bitholding adaptor and a bit.

# **Zyklop Metal ratchet**

Due to the ever-more confined working environment, space is becoming more and more an issue for the application of ratchets. Our product developers therefore intensively occupied themselves with the issue of confined working spaces, and Wera has now solved this problem.

The extremely slim and robust Zyklop Metal ratchet with a long lever was what emerged. When the change in direction needs to be quick, the Zyklop Metal Switch ratchet is the right tool.

When the socket must not get lost and a coincidental change of direction has to be avoided at all cost, the Zyklop Metal Push is the correct choice.



Forged, full metal ratchet (chrome-molybdenum) that is extremely robust with a long service life; slim design to enable work in very confined spaces.



**Zyklop Metal Push** Smooth push-through mechanism, that cannot get lost.



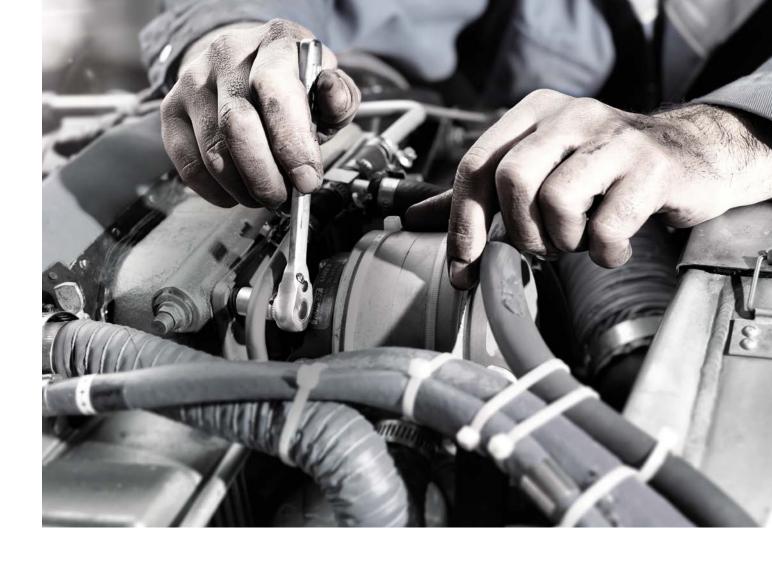
**Zyklop Metal Push** 

The dual-ratchet-teeth design means that a 76 fine-toothing division can be achieved from the 38 robust teeth with a return angle of only 4.7°.





The ball lock holds the sockets and attachments securely, ensuring safe working.







**Zyklop Metal Switch**Switch lever for convenient change of direction.



**Zyklop Metal Switch**Fine-tooth mechanism with 72 teeth for a return angle of only 5°. This short stroke allows fast and precise work in all types of installation.

## **Zyklop Accessories**

We did not just want our creativity to end with the ratchets themselves so we also occupied ourselves intensively with ratchet accessories. That is why our users are now provided with an extension with freely spinning sleeve and flexible lock to enable more secure and more rapid screwdriving.

The sockets have been completely redesigned: we wanted to spare the user the need of having two different series — one for manual and the other for power tool applications.

And: we wanted to enormous simplify the task of finding the right sizes. Technically, our own ambitious goals represented a real challenge: to endow sockets with the advantage of the holding function on screwdrivers and bits. We succeeded in this!





"Take it easy" tool finder system - with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).



The manual and machine sockets can be used both for hand and power tools use (non-impact). Users need just one socket set for all applications.



Zyklop sockets and bit sockets with holding function securely hold the screw on the tool. This is particularly helpful in difficult-to-access working spaces where the second hand cannot be used to hold the screw.





The extensions from the premium lines are also equipped with the unique "flexible-lock-system". By activating this system, attachments can be fixed to the extension permanently – preventing slipping and any unintentional loss of the attachment. When the system is deactivated, the sockets can be attached as usual and changed in a flash.



The free-turning sleeve on the Zyklop Speed and the Zyklop extension effectively accelerates the turning of screws and nuts.



Typically Wera designed robust textile belt. A smooth Twist to Unlock mechanism ensures a secure fit and simple removal of the sockets. Includes a snap hook for secure fastening to a belt loop or pocket. Supplied with a non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system.



# 1/4", Zyklop Ratchets

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# The Zyklop Speed Ratchets, 1/4"

## Combine 5 types of ratchet

8100 SA All-in Zyklop Speed Ratchet Set,  $^{1}/_{_4}$ " drive, with holding function, metric



42-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

1 Zyklop Speed Ratchet with  $^{1}\!/_{4}^{"}$  drive, 13 Zyklop sockets with  $^{1}\!/_{4}^{"}$  drive with fastener holding function, 9 Zyklop bit sockets for TORX® screws, with  $^{1}\!/_{4}^{"}$  drive, with holding function, 8 bit sockets for hexagon socket screws with  $^{1}\!/_{4}^{"}$  drive with holding function (sizes 2.0 and 2.5 without holding function) and Hex-Plus high torque geometry, 3 Zyklop bit sockets with  $^{1}\!/_{4}^{"}$  drive for Phillips screws, 3 Zyklop bit sockets with  $^{1}\!/_{4}^{"}$  drive for Pozidriv screws, 2 Zyklop bit sockets with  $^{1}\!/_{4}^{"}$  drive for slotted screws, Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected, 1 tool for the simple removal of nuts from sockets with holding function, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension.

05 <b>003755</b> 001		
0	8000 A	1 x 1/4"x152,0
●0	8796 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
•	8790 HMA HF	1 x 4,0x23,0; 1 x 4,5x23,0; 1 x 5,0x23,0;
		1 x 5,5x23,0; 1 x 6,0x23,0; 1 x 7,0x23,0;
		1 x 8,0x23,0; 1 x 9,0x23,0; 1 x 10,0x23,0;
		1 x 11,0x23,0; 1 x 12,0x23,0;
		1 x 13,0x23,0; 1 x 14,0x23,0
0	8767 A HF	1 x TX 8x28,0; 1 x TX 9x28,0;
		1 x TX 10x28,0; 1 x TX 15x28,0;
		1 x TX 20x28,0; 1 x TX 25x28,0;
		1 x TX 27x28,0; 1 x TX 30x28,0;
		1 x TX 40x28,0
0	8740 A	1 x 2,0x28,0; 1 x 2,5x28,0
0	8740 A HF	1 x 3,0x28,0; 1 x 4,0x28,0; 1 x 5,0x28,0;
		1 x 6,0x28,0; 1 x 7,0x28,0; 1 x 8,0x28,0
•	8751 A	1 x PH 1x28,0; 1 x PH 2x28,0;
		1 x PH 3x28,0
•	8755 A	1 x PZ 1x28,0; 1 x PZ 2x28,0;
		1 x PZ 3x28,0
•	8700 A FL	1 x 0,8x5,5x28,0; 1 x 1,2x6,5x28,0
	Nut Extractor	1 x 14,0x43,0

8100 SA 6 Zyklop Speed Ratchet Set, 1/, " drive, metric



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Speed Ratchet with  $^{1}/_{4}$ " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 15 bits

05 <b>004016</b> 001		
0	8000 A	1 x 1/4"x152,0
•	8790 HMA	1 x 5,0x23,0; 1 x 5,5x23,0; 1 x 6,0x23,0;
		1 x 7,0x23,0; 1 x 8,0x23,0; 1 x 10,0x23,0;
		1 x 11,0x23,0; 1 x 12,0x23,0; 1 x 13,0x23,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
•	8784 A1	1 x 1/4"x1/4"x37,0
•	851/4 TZ PH	1 x PH 1x50; 1 x PH 2x50; 1 x PH 3x50
•	855/4 TZ PZ	1 x PZ 1x50; 1 x PZ 2x50
0	867/4 Z TORX®	<sup>9</sup> 1 x TX 10x50; 1 x TX 15x50; 1 x TX 20x50;
		1 x TX 25x50; 1 x TX 27x50; 1 x TX 30x50
0	840/4 Z	1 x 3,0x50; 1 x 4,0x50; 1 x 5,0x50; 1 x 6,0x50
	Hex-Plus	

# 8100 SA 9 Zyklop Speed Ratchet Set, $^{1}/_{4}^{\mu}$ drive, imperial



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Speed Ratchet with  $^{1}/_{_4}$ " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 15 bits

05 <b>004019</b> 001		
0	8000 A	1 x 1/4"x152,0
•	8790 HMA	1 x 3/16"x23,0; 1 x 7/32"x23,0; 1 x 1/4"x23,0;
		1 x 9/32"x23,0; 1 x 5/16"x23,0;
		1 x 11/32"x23,0; 1 x 3/8"x23,0;
		1 x 7/16"x23,0; 1 x 1/2"x23,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
•	8784 A1	1 x 1/4"x1/4"x37,0
0	851/4 TZ PH	1 x PH 1x50; 1 x PH 2x50; 1 x PH 3x50
0	855/4 TZ PZ	1 x PZ 1x50; 1 x PZ 2x50
0	867/4 Z TORX®	<sup>®</sup> 1 x TX 10x50; 1 x TX 15x50; 1 x TX 20x50;
		1 x TX 25x50; 1 x TX 27x50; 1 x TX 30x50
0	840/4 Z	1 x 5/32"x50; 1 x 3/16"x50; 1 x 7/32"x50;
	Hex-Plus	1 x 1/4"x50

## Tip

## Zyklop "6 in 1"



- 1. Fine-tooth ratchet
- 2. Flex-head ratchet
- 3. Angle ratchet
- 4. Quick-release ratchet
- 5. Power ratchet
- 6. Screwdriver

## New set concept



The textile boxes offer dramatically improved portability, and are space-saving to boot! This means you can now carry the same collection of tools, in a much more compact and comfortable package.



The hassle of running back and forth for the right tools has now become a thing of the past. And the much lower weight of a set makes carrying more convenient than ever before. The textile box including the tool will even survive a fall undamaged.



"Take it easy"



"Take it easy" tool finder system — with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).

# The Zyklop Metal Ratchets Push, 1/4"

## With push-through square

8100 SA 7 Zyklop Metal Ratchet Set with push-through square,  $^{1}/_{_{4}}$ " drive, metric



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with push-through square and  $^{1}/_{4}$  " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 15 bits

•		
05 <b>004017</b> 001		
0	8003 A	1 x 1/4"x141,0
•	8790 HMA	1 x 5,0x23,0; 1 x 5,5x23,0; 1 x 6,0x23,0;
		1 x 7,0x23,0; 1 x 8,0x23,0; 1 x 10,0x23,0;
		1 x 11,0x23,0; 1 x 12,0x23,0; 1 x 13,0x23,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
•	8784 A1	1 x 1/4"x1/4"x37,0
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
•	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 Z TORX®	<sup>2</sup> 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
		1 x TX 25x25; 1 x TX 27x25; 1 x TX 30x25
0	840/1 Z	1 x 3,0x25; 1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25
	Hex-Plus	

8100 SA 10 Zyklop Metal Ratchet Set with push-through square,  $^{1}/_{a}$ " drive, imperial



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with push-through square and  $^{1}/_{4}$  " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 15 bits

05 <b>004020</b> 001		
0	8003 A	1 x 1/4"x141,0
•	8790 HMA	1 x 3/16"x23,0; 1 x 7/32"x23,0; 1 x 1/4"x23,0;
		1 x 9/32"x23,0; 1 x 5/16"x23,0;
		1 x 11/32"x23,0; 1 x 3/8"x23,0;
		1 x 7/16"x23,0; 1 x 1/2"x23,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
	8784 A1	1 x 1/4"x1/4"x37,0
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
•	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 Z TORX®	1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
		1 x TX 25x25; 1 x TX 27x25; 1 x TX 30x25
0	840/1 Z	1 x 5/32"x25; 1 x 3/16"x25; 1 x 7/32"x25;
	Hex-Plus	1 x 1/4"x25

# The Zyklop Metal Ratchets Switch, 1/4"

## With switch lever

8100 SA 11 Zyklop Metal Ratchet Set with switch lever, 1/4" drive, imperial



 $28\mbox{-piece}$  set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

- 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension,
- 1 adaptor with quick-release chuck, 15 bits

-		
05 <b>004021</b> 001		
0	8004 A	1 x 1/4"x141,0
•	8790 HMA	1 x 3/16"x23,0; 1 x 7/32"x23,0; 1 x 1/4"x23,0;
		1 x 9/32"x23,0; 1 x 5/16"x23,0;
		1 x 11/32"x23,0; 1 x 3/8"x23,0;
		1 x 7/16"x23,0; 1 x 1/2"x23,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
	8784 A1	1 x 1/4"x1/4"x37,0
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
•	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 Z TORX®	<sup>9</sup> 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25;
		1 x TX 25x25; 1 x TX 27x25; 1 x TX 30x25
0	840/1 Z	1 x 5/32"x25; 1 x 3/16"x25; 1 x 7/32"x25;
	Hex-Plus	1 x 1/4"x25

8100 SA 12 HF Zyklop Metal Ratchet Set with switch lever,  $^{1}/_{_{A}}$ " drive, metric



- 13-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility
- 1 Zyklop Metal Ratchet with switch lever and  $^{1}/_{4}^{"}$  drive, 9 Zyklop sockets with  $^{1}/_{4}^{"}$  drive with fastener holding function, 1 Zyklop extension (long) with freeturning sleeve, 1 wobble extension, 1 tool for the simple removal of nuts from sockets with holding function.

05 <b>003756</b> 001		
0	8004 A	1 x 1/4"x141,0
●0	8794 LA	1 x 1/4"x150,0
●0	8794 A	1 x 1/4"x56,0
•	8790 HMA HF	1 x 5,0x23,0; 1 x 5,5x23,0;
		1 x 6,0x23,0; 1 x 7,0x23,0; 1 x 8,0x23,0;
		1 x 10,0x23,0; 1 x 11,0x23,0;
		1 x 12,0x23,0; 1 x 13,0x23,0
	Nut Extractor	1 x 14,0x43,0

# Zyklop accessories, 1/4"

## With amazing product benefits

## 8790 HMA Zyklop 1/4" socket







Application: Hexagon headed bolts, screws and nuts

**Design:** Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations,

chrome vanadium, brushed chrome-plated finish.

Take it easy toolfinder: Colour coding to enable the desired

socket to be easily located.

			Д;		$\Box$	;
	mm		mm	mm	mm	mm
05 <b>003501</b> 001	4,0		23,0	6,9	13,0	10,0
05 <b>003502</b> 001	4,5		23,0	7,5	13,0	10,0
05 <b>003503</b> 001	5,0		23,0	8,2	13,0	10,0
05 <b>003504</b> 001	5,5		23,0	8,8	13,0	10,0
05 <b>003505</b> 001	6,0		23,0	9,4	13,0	10,0
05 <b>003506</b> 001	7,0		23,0	11,0	13,0	10,0
05 <b>003507</b> 001	8,0		23,0	12,0	13,0	10,0
05 <b>003508</b> 001	9,0		23,0	13,0	14,0	10,0
05 <b>003509</b> 001	10,0		23,0	14,5	14,5	-
05 <b>003510</b> 001	11,0		23,0	16,0	15,0	13,0
05 <b>003511</b> 001	12,0		23,0	17,0	16,0	13,0
05 <b>003512</b> 001	13,0		23,0	18,0	17,0	13,0
05 <b>003513</b> 001	14,0		23,0	20,0	18,0	13,0
05 <b>003514</b> 001		3/16	23,0	7,5	13,0	10,0
05 <b>003515</b> 001		7/32	23,0	8,8	13,0	10,0
05 <b>003516</b> 001		1/,"	23,0	11,0	13,0	10,0
05 <b>003517</b> 001		9/32	23,0	11,0	13,0	10,0
05 <b>003518</b> 001		<sup>3</sup> / <sub>16</sub> "	23,0	12,0	13,0	10,0
05 <b>003519</b> 001		11/32"	23,0	13,0	14,0	10,0
05 <b>003520</b> 001		3/8"	23,0	14,5	14,5	-
05 <b>003521</b> 001		7/ <sub>16</sub> "	23,0	16,0	15,0	13,0
05 <b>003522</b> 001		1/,"	23,0	18,0	17,0	13,0
05 <b>003523</b> 001		9/16"	23,0	20,0	18,0	13,0

# 8790 HMA HF Zyklop socket with $^{1}/_{_4}$ " drive with holding function









Application: Hexagon headed bolts, screws and nuts

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, with holding function, chrome vanadium, brushed chrome-plated finish. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

<b>—</b>					
					[];
	mm	mm	mm	mm	mm
05 <b>003717</b> 001	4,0	23,0	7,0	11,0	6,5
05 <b>003718</b> 001	4,5	23,0	7,8	11,0	6,5
05 <b>003719</b> 001	5,0	23,0	8,9	11,0	6,5
05 <b>003720</b> 001	5,5	23,0	9,2	11,0	6,5
05 <b>003721</b> 001	6,0	23,0	10,5	11,0	6,5
05 <b>003722</b> 001	7,0	23,0	11,9	11,0	6,5
05 <b>003723</b> 001	8,0	23,0	12,9	11,0	6,5
05 <b>003724</b> 001	9,0	23,0	14,1	12,0	6,5
05 <b>003725</b> 001	10,0	23,0	15,6	12,5	10,0
05 <b>003726</b> 001	11,0	23,0	17,4	13,0	10,0
05 <b>003727</b> 001	12,0	23,0	18,4	14,0	10,0
05 <b>003728</b> 001	13,0	23,0	19,5	15,0	10,0
05 <b>003729</b> 001	14,0	23,0	20,8	16,0	10,0

Belt A 1 Zyklop socket set with holding function,

1/." drive



10-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

9 Zyklop sockets with  $^{1}/_{4}$ " drive with fastener holding function. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected. 1 tool for the simple removal of nuts from  $^{1}/_{4}$ " sockets with holding function.

23,0;
23,0;
0x23,0

## Tip

# How to avoid the need for two socket sets – one for manual and one for machine operations



The manual and machine sockets can be used both for hand and power tools use (non-impact). Users need just one socket set for all applications.



# Sockets with retaining function for hexagon headed bolts, screws and nuts



The clamping of the screw is achieved by two flexible locking balls and a robust, permanently elastic, heat-shrunk tubing. The tubing is effectively protected against mechanical wear and tear by a steel ring. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.

# Zyklop accessories, 1/4"

## With amazing product benefits

# Belt A Imperial 1 Zyklop In-Hex-Plus bit socket set with holding function, 1/, " drive



9-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

9 bit sockets for hexagon socket screws with  $^{1}/_{4}$ " drive with holding function (sizes:  $^{5}/_{64}$ ",  $^{3}/_{32}$ " and  $^{7}/_{64}$ " without holding function) and Hex-Plus high torque geometry. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

8740 A	1 x 5/64"x28,0; 1 x 3/32"x28,0;
	1 x 7/64"x28,0
8740 A HF	1 x 1/8"x28,0; 1 x 9/64"x28,0;
	1 x 5/32"x28,0; 1 x 3/16"x28,0;
	1 x 7/32"x28,0; 1 x 1/4"x28,0
Belt A 0/8	1 x 39,0x220,0
Hook and Loop	1 x 30,0x200,0
Fastener Strip 30	
	8740 A HF  Belt A 0/8  Hook and Loop

# 8767 A HF TORX® Zyklop bit socket with holding function, 1/," drive



Application: TORX® socket screws

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, bit sockets with all the advantages of the Wera bit technology, brushed chrome-plated finish, holding function for TORX® screws made according to Acument Intellectual Properties specifications. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located

	0	<b>∄</b> ;			;
		mm	mm	mm	mm
05 <b>003360</b> 001	TX 8	28,0	12,0	12,5	11,0
05 <b>003361</b> 001	TX 9	28,0	12,0	12,5	11,0
05 <b>003362</b> 001	TX 10	28,0	12,0	12,5	11,0
05 <b>003363</b> 001	TX 15	28,0	12,0	12,5	11,0
05 <b>003364</b> 001	TX 20	28,0	12,0	12,5	11,0
05 <b>003365</b> 001	TX 25	28,0	12,0	12,5	11,0
05 <b>003366</b> 001	TX 25	100,0	12,0	12,5	83,0
05 <b>003367</b> 001	TX 27	28,0	12,0	12,5	11,0
05 <b>003368</b> 001	TX 27	100,0	12,0	12,5	83,0
05 <b>003369</b> 001	TX 30	28,0	12,0	12,5	11,0
05 <b>003370</b> 001	TX 30	100,0	12,0	12,5	83,0
05 <b>003371</b> 001	TX 40	28,0	12,0	12,5	11,0
05 <b>003372</b> 001	TX 40	100,0	12,0	12,5	83,0

# Belt A 3 TORX $^{\circ}$ HF Zyklop bit-socket set with holding function, $^{1}/_{a}$ " drive



9-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the tool sockets.

9 Zyklop bit-sockets for TORX® screws, with  $^{1/}4^{"}$  drive, with holding function. Take it easy tool finder: Colour coding to enable the desired bit-socket to be easily selected.

05 <b>003882</b> 001		
0	8767 A HF	1 x TX 8x28,0; 1 x TX 9x28,0;
		1 x TX 10x28,0; 1 x TX 15x28,0;
		1 x TX 20x28,0; 1 x TX 25x28,0;
		1 x TX 27x28,0; 1 x TX 30x28,0;
		1 x TX 40x28,0
	Belt A 0/9	1 x 39,0x238,0
	Hook and Loop Fastener Strip 30	1 x 30,0x200,0

## 



4-piece set

Pouch with 100 mm bit sockets

4 Zyklop bit sockets for TORX® screws, with  $^{1}/_{4}$ " drive, with holding function. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

05 <b>003375</b> 001		
0	8767 A HF	1 x TX 25x100,0; 1 x TX 27x100,0; 1 x TX 30x100,0; 1 x TX 40x100,0
	Hook and Loop Fastener Strip 70	1 x 50,0x70,0

## Tip



# Bit sockets with holding function for TORX® screws



The HF tools developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that TORX® screws made according to Acument Intellectual Properties specifications are securely held on the tool!

### **Extremely short**



The bit sockets from Wera are characterized by a particularly short design. Ideal for working in tight spaces.

### Wera bit technology



Due to their high-precision profile design and excellent concentricity properties, Wera bit sockets offer safe work and a long product life.

# Zyklop accessories, 1/4"

## With amazing product benefits

## 8740 A HF Zyklop bit socket with holding function, 1/." drive



Application: Hexagon socket screws

**Design:** Manual and (non-impact) machine applications, ball intercept

ring, knurls at base for precision handling in manual operations, bit sockets with all the advantages of the Wera bit technology, brushed chrome-plated finish, holding function for hexagon socket screws. Take it easy tool finder: Colour coding to enable

the desired bit socket to be easily located

	0	0	∄┆			∐;
	mm		mm	mm	mm	mm
05 <b>003332</b> 001	3,0		28,0	12,0	12,5	11,0
05 <b>003333</b> 001	4,0		28,0	12,0	12,5	11,0
05 <b>003334</b> 001	4,0		100,0	12,0	12,5	83,0
05 <b>003335</b> 001	5,0		28,0	12,0	12,5	11,0
05 <b>003336</b> 001	5,0		100,0	12,0	12,5	83,0
05 <b>003337</b> 001	6,0		28,0	12,0	12,5	11,0
05 <b>003338</b> 001	6,0		100,0	12,0	12,5	83,0
05 <b>003341</b> 001	7,0		28,0	12,0	12,5	11,0
05 <b>003342</b> 001	7,0		100,0	12,0	12,5	83,0
05 <b>003339</b> 001	8,0		28,0	12,0	12,5	11,0
05 <b>003340</b> 001	8,0		100,0	12,0	12,5	83,0
05 <b>003383</b> 001		1/,"	28,0	12,0	12,5	11,0
05 <b>003384</b> 001		9/ "	28,0	12,0	12,5	11,0
05 <b>003385</b> 001		5/32"	28,0	12,0	12,5	11,0
05 <b>003386</b> 001		3/16"	28,0	12,0	12,5	11,0
05 <b>003387</b> 001		7/32"	28,0	12,0	12,5	11,0
05 <b>003388</b> 001		1/4"	28,0	12,0	12,5	11,0
05 <b>003389</b> 001		5/ <sub>16</sub> "	28,0	12,0	12,5	11,0

## 8740 A Zyklop bit socket, with 1/4" drive



Application: Hexagon socket screws

**Design:** Manual and (non-impact) machine applications, ball intercept

ring, knurls at base for precision handling in manual operations, bit sockets with all the advantages of the Wera bit technology, brushed chrome-plated finish. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located

	0	0	<b>∄</b> ‡		.∐.	<u></u> ;
	mm		mm	mm	mm	mm
05 <b>003330</b> 001	2,0		28,0	12,0	12,5	11,0
05 <b>003331</b> 001	2,5		28,0	12,0	12,5	11,0
05 <b>003380</b> 001		5/ <sub>64</sub> "	28,0	12,0	12,5	11,0
05 <b>003381</b> 001		3/32"	28,0	12,0	12,5	11,0
05 <b>003382</b> 001		7/ <sub>64</sub> "	28,0	12,0	12,5	11,0

# 8740 A HF 1 Zyklop bit socket set with holding function, 1/ " drive



5-piece set

Pouch with 100 mm bit sockets

5 Zyklop bit sockets for hexagon socket screws, with  $^{1}/_{4}$ " drive, with holding function, Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located.

05 <b>003345</b> 001		
0	8740 A HF	1 x 4,0x100,0; 1 x 5,0x100,0; 1 x 6,0x100,0;
		1 x 7,0x100,0; 1 x 8,0x100,0
	Hook and	1 x 50,0x70,0
	Loop Fastener	
	Strip 70	

## Tip



# Bit sockets with retaining function for hexagon socket screws



The clamping of the screw is achieved by a flexible locking ball. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.

## Comes with convenient snap hook



The robust textile belt can be secured to a belt loop or pocket by means of the snap hook.



## **Textile belt**



The textile belt can be attached by means of the nonwoven reverse side and the hook and loop strips e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system.



# 3/8", Zyklop Ratchets

	Zyklop Speed	144
Of in-	Zyklop Metal Switch	146
	Zyklop Accessories	148

# The Zyklop Speed Ratchets, 3/8"

## 5 types of ratchet in 1 tool

8100 SB 6 Zyklop Speed Ratchet Set, 3/8" drive, metric



29-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Speed Ratchet with  $^3/_8{}^{\shortparallel}$  drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 16 bits

05 <b>004046</b> 001		
0	8000 B	1 x 3/8"x199,0
•	8790 HMB	1 x 8,0x29,0; 1 x 10,0x29,0; 1 x 12,0x29,0;
		1 x 13,0x29,0; 1 x 15,0x29,0; 1 x 16,0x30,0;
		1 x 17,0x30,0; 1 x 18,0x30,0; 1 x 19,0x30,0
●0	8794 LB	1 x 3/8"x200,0
●0	8794 B	1 x 3/8"x76,0
•	8784 B1	1 x 1/4"x3/8"x44,0
0	851/4 TZ PH	1 x PH 1x50; 1 x PH 2x50; 1 x PH 3x50
0	855/4 TZ PZ	1 x PZ 1x50; 1 x PZ 2x50; 1 x PZ 3x50
0	867/4 Z TORX®	1 x TX 20x50; 1 x TX 25x50; 1 x TX 27x50;
		1 x TX 30x50; 1 x TX 40x50
0	840/4 Z	1 x 4,0x50; 1 x 5,0x50; 1 x 6,0x50; 1 x 8,0x50
	Hex-Plus	
•	800/4 Z	1 x 1,0x5,5x50

8100 SB 9 Zyklop Speed Ratchet Set, 3/8" drive, imperial



29-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

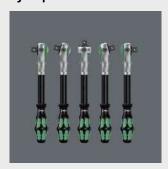
1 Zyklop Speed Ratchet with  $^3/_{\rm g}"$  drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 16 bits

05 <b>004049</b> 001		
0	8000 B	1 x 3/8"x199,0
•	8790 HMB	1 x 1/4"x29,0; 1 x 5/16"x29,0; 1 x 3/8"x29,0;
		1 x 7/16"x29,0; 1 x 1/2"x29,0; 1 x 9/16"x29,0;
		1 x 5/8"x30,0; 1 x 11/16"x30,0; 1 x 3/4"x30,0
	8794 LB	1 x 3/8"x200,0
■0	8794 B	1 x 3/8"x76,0
•	8784 B1	1 x 1/4"x3/8"x44,0
•	851/4 TZ PH	1 x PH 1x50; 1 x PH 2x50; 1 x PH 3x50
0	855/4 TZ PZ	1 x PZ 1x50; 1 x PZ 2x50; 1 x PZ 3x50
0	867/4 Z TORX®	<sup>2</sup> 1 x TX 20x50; 1 x TX 25x50; 1 x TX 27x50;
		1 x TX 30x50; 1 x TX 40x50
0	840/4 Z	1 x 3/16"x50; 1 x 7/32"x50; 1 x 1/4"x50;
	Hex-Plus	1 x 5/16"x50
•	800/4 Z	1 x 1,0x5,5x50



### Tip

### Zyklop "6 in 1"



- 1. Fine-tooth ratchet
- 2. Flex-head ratchet
- 3. Angle ratchet
- 4. Quick-release ratchet
- 5. Power ratchet
- 6. Screwdriver

#### **Textile boxes**





The textile boxes offer dramatically improved portability, and are space-saving to boot!

This means you can now carry the same collection of tools, in a much more compact and comfortable package. The hassle of running back and forth for the right tools has now become a thing of the past. And the much lower weight of a set makes carrying more convenient than ever before. The textile box including the tool will even survive a fall undamaged. And: it leaves absolutely no signs of scratches on sensitive surfaces.

# The Zyklop Metal Ratchets Switch, 3/8"

#### With switch lever

8100 SB 8 Zyklop Metal Ratchet Set with switch lever,  $^3/_{\circ}$ " drive, metric



29-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with  $^3/_8$ " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 16 bits

05 <b>004048</b> 001		
0	8004 B	1 x 3/8"x222,0
•	8790 HMB	1 x 8,0x29,0; 1 x 10,0x29,0; 1 x 12,0x29,0;
		1 x 13,0x29,0; 1 x 15,0x29,0; 1 x 16,0x30,0;
		1 x 17,0x30,0; 1 x 18,0x30,0; 1 x 19,0x30,0
●0	8794 LB	1 x 3/8"x200,0
●0	8794 B	1 x 3/8"x76,0
	8784 B1	1 x 1/4"x3/8"x44,0
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
0	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 Z TORX®	P1 x TX 15x25; 1 x TX 20x25; 1 x TX 25x25;
		1 x TX 27x25; 1 x TX 30x25; 1 x TX 40x25
0	840/1 Z	1 x 3,0x25; 1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25;
	Hex-Plus	1 x 8,0x25

8100 SB 11 Zyklop Metal Ratchet Set with switch lever,  $^{3}/_{8}^{\,\,\mathrm{II}}$  drive, imperial



29-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with  $^{3}/_{8}$ " drive, 9 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 16 bits

05 <b>004051</b> 001		
0	8004 B	1 x 3/8"x222,0
•	8790 HMB	1 x 1/4"x29,0; 1 x 5/16"x29,0; 1 x 3/8"x29,0;
		1 x 7/16"x29,0; 1 x 1/2"x29,0; 1 x 9/16"x29,0;
		1 x 5/8"x30,0; 1 x 11/16"x30,0; 1 x 3/4"x30,0
	8794 LB	1 x 3/8"x200,0
■0	8794 B	1 x 3/8"x76,0
	8784 B1	1 x 1/4"x3/8"x44,0
•	851/1 Z PH	1 x PH 1x25; 1 x PH 2x25; 1 x PH 3x25
•	855/1 Z PZ	1 x PZ 1x25; 1 x PZ 2x25
0	867/1 Z TORX®	<sup>9</sup> 1 x TX 15x25; 1 x TX 20x25; 1 x TX 25x25;
		1 x TX 27x25; 1 x TX 30x25; 1 x TX 40x25
0	840/1 Z	1 x 5/32"x25; 1 x 3/16"x25; 1 x 7/32"x25;
	Hex-Plus	1 x 1/4"x25; 1 x 5/16"x25

### 8100 SB HF 1 Zyklop Metal Ratchet Set with switch lever, <sup>3</sup>/<sub>o</sub>" drive, with holding function, metric



13-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

1 Zyklop Metal Ratchet with  $^3/_8$ " drive, 9 Zyklop sockets with  $^3/_8$ " drive with fastener holding function. Take it easy tool finder: Colour coding to enable the desired socket to be easily selected. 1 tool for the simple removal of nuts from sockets with holding function, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension

05 <b>003785</b> 001		
0	8004 B	1 x 3/8"x222,0
•	8790 HMB HF	1 x 8,0x29,0; 1 x 10,0x29,0; 1 x 12,0x29,0;
		1 x 13,0x29,0; 1 x 15,0x29,0;
		1 x 16,0x29,0; 1 x 17,0x29,0;
		1 x 18,0x29,0; 1 x 19,0x29,0
●0	8794 LB	1 x 3/8"x200,0
●0	8794 B	1 x 3/8"x76,0
	Nut Extractor	1 x 14,0x43,0

### Tip

#### The Zyklop Metal Ratchets Switch



With switch lever. Extremely slim. Long leverage. Very robust without any torque limitation. Forged, full metal ratchet out of chrome molybdenum.



#### "Take it easy"



"Take it easy" tool finder system — with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).

# Zyklop Accessories, 3/8"

### With amazing product benefits

#### 8790 HMB Zyklop 3/8" socket







Application: Hexagon headed bolts, screws and nuts

Design: Man

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, chrome vanadium, brushed chrome-plated finish Take it easy toolfinder: Colour coding to enable the desired socket to be easily located.

05003552001         7,0         29,0         11,0         18,0         12,0           05003553001         8,0         29,0         12,2         18,0         12,0           05003554001         9,0         29,0         13,5         18,0         12,0           05003555001         10,0         29,0         14,5         18,0         12,0           05003557001         12,0         29,0         16,0         18,0         12,0           05003558001         13,0         29,0         17,0         18,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003560001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003566001         20,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0							
mm         mm<					77	$\Box$	;
05003551001         6,0         29,0         10,5         18,0         12,0           05003552001         7,0         29,0         11,0         18,0         12,0           05003553001         8,0         29,0         12,2         18,0         12,0           05003554001         9,0         29,0         13,5         18,0         12,0           05003555001         10,0         29,0         14,5         18,0         12,0           05003557001         12,0         29,0         16,0         18,0         12,0           05003558001         13,0         29,0         17,0         18,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0		_	•		_		
05003552001         7,0         29,0         11,0         18,0         12,0           05003553001         8,0         29,0         12,2         18,0         12,0           05003554001         9,0         29,0         13,5         18,0         12,0           05003556001         10,0         29,0         14,5         18,0         12,0           05003557001         12,0         29,0         17,0         18,0         12,0           05003558001         13,0         29,0         17,0         18,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003566001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0	05 <b>003551</b> 001	6,0		29,0	10,5	18,0	12,0
05003553001         8,0         29,0         12,2         18,0         12,0           05003554001         9,0         29,0         13,5         18,0         12,0           05003555001         10,0         29,0         14,5         18,0         12,0           05003556001         11,0         29,0         16,0         18,0         12,0           05003557001         12,0         29,0         17,0         18,0         12,0           05003558001         13,0         29,0         18,5         20,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003566001         20,0         30,0         28,0         25,0         18,0           05003566001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         32,0         25,0         18,0	05 <b>003552</b> 001	7,0				18,0	
05003554001         9,0         29,0         13,5         18,0         12,0           05003555001         10,0         29,0         14,5         18,0         12,0           05003556001         11,0         29,0         16,0         18,0         12,0           05003557001         12,0         29,0         17,0         18,0         12,0           05003558001         13,0         29,0         18,5         20,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003562001         16,0         30,0         22,0         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         12,0           05003564001         19,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003569001         24,0         32,0         32,0         25,0         20,0	05 <b>003553</b> 001						
05003556001         11,0         29,0         16,0         18,0         12,0           05003557001         12,0         29,0         17,0         18,0         12,0           05003558001         13,0         29,0         18,5         20,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003562001         17,0         30,0         22,0         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         12,0           05003564001         19,0         30,0         24,5         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003569001         1/4,"         29,0         11,0         18,0         12,0           05003570001         5/16"         29,0         12,2         18,0         12,0 <td>05<b>003554</b>001</td> <td>9,0</td> <td></td> <td>29,0</td> <td>13,5</td> <td>18,0</td> <td></td>	05 <b>003554</b> 001	9,0		29,0	13,5	18,0	
05003557001         12,0         29,0         17,0         18,0         12,0           05003558001         13,0         29,0         18,5         20,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003562001         16,0         30,0         22,0         24,0         12,0           05003563001         18,0         30,0         23,5         24,0         12,0           05003564001         19,0         30,0         24,5         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         18,0           05003569001         1/4,"         29,0         11,0         18,0         12,0           05003570001         5/16"         29,0         12,2         18,0         12,0 <td>05<b>003555</b>001</td> <td>10,0</td> <td></td> <td>29,0</td> <td>14,5</td> <td>18,0</td> <td>12,0</td>	05 <b>003555</b> 001	10,0		29,0	14,5	18,0	12,0
05003558001         13,0         29,0         18,5         20,0         12,0           05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003565001         20,0         30,0         26,0         24,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         18,0           05003570001         1/4,"         29,0         11,0         18,0         12,0           05003572001         5/16"         29,0         13,5         18,0         12,0           05003573001         1/2"         29,0         14,5         18,0         12,0 <td>05<b>003556</b>001</td> <td>11,0</td> <td></td> <td>29,0</td> <td>16,0</td> <td>18,0</td> <td>12,0</td>	05 <b>003556</b> 001	11,0		29,0	16,0	18,0	12,0
05003559001         14,0         29,0         19,5         22,0         12,0           05003560001         15,0         29,0         21,0         24,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003565001         19,0         30,0         26,0         24,0         18,0           05003566001         20,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         28,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         18,0           05003570001         5/16         29,0         11,0         18,0         12,0           05003572001         3/8         29,0         14,5         18,0         12,0           05003575001         1/2         29,0         18,5         20,0         12,0	05 <b>003557</b> 001	12,0		29,0	17,0	18,0	12,0
05003560001         15,0         29,0         21,0         24,0         12,0           05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         18,0           05003569001         1/4,"         29,0         11,0         18,0         12,0           05003570001         5/16"         29,0         13,5         18,0         12,0           05003572001         3/8"         29,0         14,5         18,0         12,0           05003575001         1/2"         29,0         16,0         18,0         12,0 <td>05<b>003558</b>001</td> <td>13,0</td> <td></td> <td>29,0</td> <td>18,5</td> <td>20,0</td> <td>12,0</td>	05 <b>003558</b> 001	13,0		29,0	18,5	20,0	12,0
05003561001         16,0         30,0         22,0         24,0         12,0           05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003569001         1/4"         29,0         11,0         18,0         12,0           05003570001         5/16"         29,0         12,2         18,0         12,0           05003572001         3/8"         29,0         14,5         18,0         12,0           05003573001         7/16"         29,0         16,0         18,0         12,0           05003576001         9/10"         29,0         18,5         20,0         12,0 <td>05<b>003559</b>001</td> <td>14,0</td> <td></td> <td>29,0</td> <td>19,5</td> <td>22,0</td> <td>12,0</td>	05 <b>003559</b> 001	14,0		29,0	19,5	22,0	12,0
05003562001         17,0         30,0         23,5         24,0         12,0           05003563001         18,0         30,0         24,5         24,0         18,0           05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003569001         1/4"         29,0         11,0         18,0         12,0           05003570001         5/16"         29,0         12,2         18,0         12,0           05003571001         11/32"         29,0         13,5         18,0         12,0           05003573001         7/16"         29,0         14,5         18,0         12,0           05003576001         1/2"         29,0         18,5         20,0         12,0           05003576001         1/2"         29,0         18,5         20,0         12,0 </td <td>05<b>003560</b>001</td> <td>15,0</td> <td></td> <td>29,0</td> <td>21,0</td> <td>24,0</td> <td>12,0</td>	05 <b>003560</b> 001	15,0		29,0	21,0	24,0	12,0
05003563001         18,0         30,0         24,5         24,0         18,0           05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003570001         1/4"         29,0         11,0         18,0         12,0           05003571001         5/16"         29,0         12,2         18,0         12,0           05003572001         3/8"         29,0         13,5         18,0         12,0           05003573001         7/16"         29,0         16,0         18,0         12,0           05003575001         9/16"         29,0         18,5         20,0         12,0           05003577001         1/1/16"         30,0         22,0         24,0         12,0           05003577001         1/1/16"         30,0         23,0         24,0         1	05 <b>003561</b> 001	16,0		30,0	22,0	24,0	12,0
05003564001         19,0         30,0         26,0         24,0         18,0           05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003570001         1/4"         29,0         11,0         18,0         12,0           05003571001         5/16"         29,0         13,5         18,0         12,0           05003572001         3/8"         29,0         14,5         18,0         12,0           05003573001         7/16"         29,0         16,0         18,0         12,0           05003574001         1/2"         29,0         18,5         20,0         12,0           05003576001         9/16"         29,0         18,5         20,0         12,0           05003577001         1/1/16"         30,0         22,0         24,0         12,0           05003577001         1/1/16"         30,0         23,0         24,0         1	05 <b>003562</b> 001	17,0		30,0	23,5	24,0	12,0
05003565001         20,0         30,0         28,0         25,0         18,0           05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003570001         1/4"         29,0         11,0         18,0         12,0           05003571001         5/16"         29,0         12,2         18,0         12,0           05003572001         3/8"         29,0         14,5         18,0         12,0           05003573001         7/16"         29,0         16,0         18,0         12,0           05003574001         1/2"         29,0         18,5         20,0         12,0           05003575001         9/16"         29,0         19,5         22,0         12,0           05003577001         5/8"         30,0         22,0         24,0         12,0           05003578001         1/1/16"         30,0         23,0         24,0         18,0           05003577001         1/1/16"         30,0         23,0         24,0         1	05 <b>003563</b> 001	18,0		30,0	24,5	24,0	18,0
05003566001         21,0         30,0         28,0         25,0         18,0           05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003570001         1/4"         29,0         11,0         18,0         12,0           05003571001         5/16"         29,0         12,2         18,0         12,0           05003572001         3/8"         29,0         14,5         18,0         12,0           05003573001         7/16"         29,0         16,0         18,0         12,0           05003574001         1/2"         29,0         18,5         20,0         12,0           05003575001         9/16"         29,0         19,5         22,0         12,0           05003577001         5/8"         30,0         22,0         24,0         12,0           05003578001         11/16"         30,0         23,0         24,0         18,0           05003579001         3/4"         30,0         23,0         24,0         18,0           05003579001         3/4"         30,0         26,0         24,0         18,0<	05 <b>003564</b> 001	19,0		30,0	26,0	24,0	18,0
05003567001         22,0         30,0         32,0         25,0         18,0           05003568001         24,0         32,0         32,0         25,0         20,0           05003569001         1/4" 29,0         11,0         18,0         12,0           05003570001         5/16" 29,0         12,2         18,0         12,0           05003571001         11/32" 29,0         13,5         18,0         12,0           05003572001         3/8" 29,0         14,5         18,0         12,0           05003573001         7/16" 29,0         16,0         18,0         12,0           05003574001         1/2" 29,0         18,5         20,0         12,0           05003575001         9/16" 29,0         19,5         22,0         12,0           05003576001         5/8" 30,0         22,0         24,0         12,0           05003577001         11/16" 30,0         23,0         24,0         18,0           05003578001         3/4" 30,0         26,0         24,0         18,0           05003579001         13/16" 30,0         28,0         25,0         18,0	05 <b>003565</b> 001	20,0		30,0	28,0	25,0	18,0
05003568001         24,0         32,0         32,0         25,0         20,0           05003569001         1/4" 29,0         11,0         18,0         12,0           05003570001         5/16" 29,0         12,2         18,0         12,0           05003571001         11/32" 29,0         13,5         18,0         12,0           05003572001         3/8" 29,0         14,5         18,0         12,0           05003573001         7/16" 29,0         16,0         18,0         12,0           05003574001         1/2" 29,0         18,5         20,0         12,0           05003575001         9/16" 29,0         19,5         22,0         12,0           05003576001         5/8" 30,0         22,0         24,0         12,0           05003577001         11/16" 30,0         23,0         24,0         18,0           05003578001         3/4" 30,0         26,0         24,0         18,0           05003579001         13/16" 30,0         28,0         25,0         18,0	05 <b>003566</b> 001	21,0		30,0	28,0	25,0	18,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003567</b> 001	22,0		30,0	32,0	25,0	18,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003568</b> 001	24,0		32,0	32,0	25,0	20,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003569</b> 001		1/4"	29,0	11,0	18,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003570</b> 001		5/_" 16	29,0	12,2	18,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003571</b> 001		11/_"	29,0	13,5	18,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003572</b> 001		3/ "	29,0	14,5	18,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003573</b> 001		<sup>7</sup> / <sub>16</sub> "	29,0	16,0	18,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003574</b> 001		1/,"	29,0	18,5	20,0	12,0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05 <b>003575</b> 001		9/ <sub>16</sub> "	29,0	19,5	22,0	12,0
05 <b>003578</b> 001 3/ <sub>4</sub> " 30,0 26,0 24,0 18,0 05 <b>003579</b> 001 13/ <sub>16</sub> " 30,0 28,0 25,0 18,0	05 <b>003576</b> 001		5/8"	30,0	22,0	24,0	12,0
05 <b>003579</b> 001	05 <b>003577</b> 001		<sup>11</sup> / <sub>16</sub> "		23,0		18,0
05 <b>003579</b> 001	05 <b>003578</b> 001		3/,"	30,0	26,0	24,0	18,0
05 <b>003580</b> 001	05 <b>003579</b> 001		13/ <sub>16</sub> "	30,0	28,0	25,0	18,0
	05 <b>003580</b> 001		<sup>7</sup> / <sub>8</sub> "	30,0	32,0	25,0	18,0

## 8790 HMB HF Zyklop socket with $^{3}/_{8}$ " drive with holding function



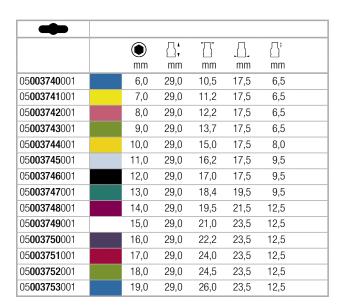




Application: Hexagon headed bolts, screws and nuts

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, with holding function, chrome vanadium, brushed chromeplated finish. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.



### Belt B 1 Zyklop socket set with holding function, <sup>3</sup>/<sub>8</sub>" drive



10-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

9 Zyklop sockets with  $^3/_8$ " drive with fastener holding function. Take it easy tool finder: Colour coding to enable the desired socket to be easily selected. 1 tool for the simple removal of nuts from sockets with holding function.

05 <b>003970</b> 001		
•	8790 HMB HF	1 x 8,0x29,0; 1 x 10,0x29,0; 1 x 12,0x29,0;
		1 x 13,0x29,0; 1 x 15,0x29,0;
		1 x 16,0x29,0; 1 x 17,0x29,0;
		1 x 18,0x29,0; 1 x 19,0x29,0
	Nut Extractor	1 x 14,0x43,0
	Belt B 0/9	1 x 45,0x310,0
	Hook and Loop Fastener Strip 30	1 x 30,0x200,0

### Tip

# How to avoid the need for two socket sets – one for manual and one for machine operations



The manual and machine sockets can be used both for hand and power tools use (non-impact). Users need just one socket set for all applications.



#### **Textile belt**



The textile belt can be attached by means of the non-woven reverse side and the hook and loop strips e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system.



"Take it easy"



"Take it easy" tool finder system — with profile and size colour-coding for quick and easy tool selection. Colour-coded system for hexagon drive screws (L-Keys, Zyklop bit sockets), external hex drive screws and nuts (Joker wrenches, Zyklop sockets and Zyklop bit sockets with holding function), and TORX® drive screws (L-Keys, Zyklop bit sockets).

# Zyklop Accessories, 3/8"

#### With amazing product benefits

### 8767 B HF TORX® Zyklop bit socket with holding function, 3/," drive



Application: TORX® socket screws

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, bit sockets with all the advantages of the Wera bit technology, brushed chrome-plated finish, holding function for TORX® screws made according to Acument Intellectual Properties specifications. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located.

•					
	0	<b>A</b> *			<u></u> ;
		mm	mm	mm	mm
05 <b>003059</b> 001	TX 10	35,0	12,0	17,5	9,0
05 <b>003060</b> 001	TX 15	35,0	12,0	17,5	9,0
05 <b>003061</b> 001	TX 20	35,0	12,0	17,5	9,0
05 <b>003062</b> 001	TX 25	35,0	12,0	17,5	9,0
05 <b>003063</b> 001	TX 25	107,0	12,0	17,5	81,0
05 <b>003064</b> 001	TX 27	35,0	12,0	17,5	9,0
05 <b>003065</b> 001	TX 27	107,0	12,0	17,5	81,0
05 <b>003066</b> 001	TX 30	35,0	12,0	17,5	9,0
05 <b>003067</b> 001	TX 30	107,0	12,0	17,5	81,0
05 <b>003068</b> 001	TX 40	35,0	12,0	17,5	9,0
05 <b>003069</b> 001	TX 40	107,0	12,0	17,5	81,0
05 <b>003070</b> 001	TX 45	38,5	12,0	17,5	12,5
05 <b>003071</b> 001	TX 45	100,0	12,0	17,5	74,5
05 <b>003072</b> 001	TX 50	38,5	12,0	17,5	12,5
05 <b>003073</b> 001	TX 50	100,0	12,0	17,5	74,5

### Belt B 3 TORX® HF Zyklop bit socket set with holding function, 3/, " drive



9-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the tool sockets.

9 Zyklop bit sockets for TORX® screws, with  $^{3}/_{8}$ " drive, with holding function. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

05 <b>003972</b> 001		
0	8767 B HF	1 x TX 10x35,0; 1 x TX 15x35,0; 1 x TX 20x35,0; 1 x TX 25x35,0; 1 x TX 27x35,0; 1 x TX 30x35,0; 1 x TX 40x35,0; 1 x TX 45x38,5; 1 x TX 50x38,5
	Belt B 0/9	1 x 45,0x310,0
	Hook and Loop Fastener Strip 30	1 x 30,0x200,0

### 8767 B TORX® HF 1 Zyklop bit socket set with holding function, $\frac{3}{3}$ drive



6-piece set

Pouch with 100 mm/107 mm bit sockets

6 Zyklop bit sockets for TORX® screws, with  $^{3}/_{8}$ " drive, with holding function. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

05 <b>003185</b> 001		
0	8767 B HF	1 x TX 25x107,0; 1 x TX 27x107,0;
		1 x TX 30x107,0; 1 x TX 40x107,0;
		1 x TX 45x100,0; 1 x TX 50x100,0

### 8740 B HF Zyklop bit socket with holding function, $^{3}/_{\circ}$ " drive



Application: Hexagon socket screws

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, bit sockets with all the advantages of the Wera bit technology, brushed chrome-plated finish, holding function for hexagon socket screws. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located.

	0	0	<b>日</b> ;	$\overline{\Box}$		;
	mm	O	⊔ <b>v</b> mm	∐ mm	-∐- mm	∐ mm
05 <b>003030</b> 001	3,0		35,0	12,0	17,5	9,0
05 <b>003031</b> 001	4,0			12,0		9,0
05 <b>003031</b> 001	4,0		107,0	12,0	17,5	81,0
05 <b>003032</b> 001	5,0		35,0	12,0		9,0
05 <b>003034</b> 001	5,0		107,0	12,0	17,5	81,0
05 <b>003035</b> 001	6,0		35,0	12,0	17,5	9,0
05 <b>003036</b> 001	6,0		107,0			
05 <b>003037</b> 001	7,0		38,5	12,0		
05 <b>003038</b> 001	7,0		100,0	12,0	17,5	74,5
05 <b>003039</b> 001	8,0		38,5	12,0	17,5	12,5
05 <b>003040</b> 001	8,0		100,0	12,0	17,5	74,5
05 <b>003041</b> 001	9,0		38,5	12,0		12,5
05 <b>003042</b> 001	9,0		100,0			74,5
05 <b>003043</b> 001	10,0		38,5	12,0	17,5	12,5
05 <b>003044</b> 001	10,0		100,0	12,0	17,5	74,5
05 <b>003080</b> 001		1/8"	35,0	12,0	17,5	9,0
05 <b>003081</b> 001		1/_"	107,0	12,0	17,5	81,0
05 <b>003082</b> 001		9/64	35,0	12,0	17,5	9,0
05 <b>003083</b> 001		5/32"	35,0	12,0	17,5	9,0
05 <b>003084</b> 001		5/32"	107,0	12,0	17,5	81,0
05 <b>003085</b> 001		3/_"	35,0	12,0	17,5	9,0
05 <b>003086</b> 001		3/ <sub>16</sub> "	107,0	12,0	17,5	81,0
05 <b>003087</b> 001		7/ <sub>32</sub> "	35,0	12,0	17,5	9,0
05 <b>003088</b> 001		7/ <sub>32</sub> "	- , -	12,0	17,5	81,0
05 <b>003089</b> 001		1/4"	35,0	12,0	17,5	9,0
05 <b>003090</b> 001		1/4"	107,0	12,0	17,5	81,0
05 <b>003091</b> 001		5/ "	38,5	12,0	17,5	12,5
05 <b>003092</b> 001		5/_" 16	100,0	12,0	17,5	74,5
05 <b>003093</b> 001		3/8"	38,5	12,0	17,5	12,5
05 <b>003094</b> 001		3/8"	100,0	12,0	17,5	74,5

### Tip



# Bit sockets with retaining function for hexagon socket screws



The clamping of the screw is achieved by a flexible locking ball. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.



# Bit sockets with holding function for TORX® screws



The HF tools developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that TORX® screws made according to Acument Intellectual Properties specifications are securely held on the tool!

# Zyklop Accessories, 3/8"

### With amazing product benefits

## Belt B 2 Zyklop In-Hex-Plus bit socket set with holding function, $\frac{3}{8}$ drive



8-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

8 bit sockets for hexagon socket screws with  $^3/_8$ " drive with holding function and Hex-Plus high torque geometry. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

05 <b>003971</b> 001		
0	8740 B HF	1 x 3,0x35,0; 1 x 4,0x35,0; 1 x 5,0x35,0; 1 x 6,0x35,0; 1 x 7,0x38,5; 1 x 8,0x38,5; 1 x 9,0x38,5; 1 x 10,0x38,5
	Belt B 0/8	1 x 45,0x275,0
	Hook and Loop Fastener Strip 30	1 x 30,0x200,0

# 8740 B HF 1 Zyklop bit socket set with holding function, $^{3}/_{a}^{"}$ drive



#### 7-piece set

Pouch with 100 mm/107 mm bit sockets

7 Zyklop bit sockets for hexagon socket screws, with  $^3/_8$ " drive, with holding function, Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located.

-		
05 <b>003180</b> 001		
0	8740 B HF	1 x 4,0x107,0; 1 x 5,0x107,0; 1 x 6,0x107,0; 1 x 7,0x100,0; 1 x 8,0x100,0; 1 x 9,0x100,0;
		1 x 10.0x100.0

## 8740 B HF Imperial 1 Zyklop bit socket set with holding function, $\frac{3}{8}$ drive



#### 7-piece set

Pouch with 100 mm/107 mm bit sockets

7 Zyklop bit sockets for hexagon socket screws, with  $^3/_8$ " drive, with holding function, Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located.

05 <b>003181</b> 001		
0	8740 B HF	1 x 1/8"x107,0; 1 x 5/32"x107,0;
		1 x 3/16"x107,0; 1 x 7/32"x107,0;
		1 x 1/4"x107,0; 1 x 5/16"x100,0;
		1 x 3/8"x100,0

# Belt B Imperial 1 Zyklop In-Hex-Plus bit socket set with holding function, $^3/_{_8}{}^{\rm u}$ drive



8-piece; robust textile socket belt, including snap hook to enable secure fastening to a belt loop or pocket. Non-woven reverse side and hook and loop strips for simple attachment e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system. Fast and easy Twist to Unlock mechanism for secure storage and simple removal of the sockets.

8 bit sockets for hexagon socket screws with  $^3/_8$ " drive with holding function and Hex-Plus high torque geometry. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily selected.

-		
05 <b>003974</b> 001		
0	8740 B HF	1 x 1/8"x35,0; 1 x 9/64"x35,0;
		1 x 5/32"x35,0; 1 x 3/16"x35,0;
		1 x 7/32"x35,0; 1 x 1/4"x35,0;
		1 x 5/16"x38,5; 1 x 3/8"x38,5
	Belt B 0/8	1 x 45,0x275,0
	Hook and Loop Fastener Strip 30	1 x 30,0x200,0

### **Tip**



# Bit sockets with retaining function for hexagon socket screws



The clamping of the screw is achieved by a flexible locking ball. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.



#### **Textile belt**



The textile belt can be attached by means of the nonwoven reverse side and the hook and loop strips e.g. to a wall, shelf, tool trolley and to the Wera 2go tool transport system.

#### Comes with convenient snap hook



The robust textile belt can be secured to a belt loop or pocket by means of the snap hook.



# 1/2", Zyklop Ratchets

	Zyklop Speed	156
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# The Zyklop Speed Ratchets, 1/2"

#### 5 types of ratchet in 1 tool

8100 SC 6 Zyklop Speed Ratchet Set, 1/2" drive, metric



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Speed Ratchet with  $^{1}/_{2}^{\circ}$  drive, 10 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 14 bits

05 <b>004076</b> 001		
0	8000 C	1 x 1/2"x277,0
•	8790 HMC	1 x 10,0x37,0; 1 x 11,0x37,0; 1 x 12,0x37,0;
		1 x 13,0x37,0; 1 x 14,0x37,0; 1 x 15,0x37,0;
		1 x 16,0x37,0; 1 x 17,0x37,0; 1 x 18,0x37,0;
		1 x 19,0x37,0
●0	8794 LC	1 x 1/2"x250,0
●0	8794 C	1 x 1/2"x52,0
•	8784 C2	1 x 5/16"x1/2"x50,0
•	851/2 Z PH	1 x PH 2x32; 1 x PH 3x32
•	855/2 Z PZ	1 x PZ 2x32; 1 x PZ 3x32
0	867/2 Z TORX®	1 x TX 20x35; 1 x TX 25x35; 1 x TX 30x35;
		1 x TX 40x35; 1 x TX 45x35; 1 x TX 50x35
0	840/2 Z	1 x 5x30; 1 x 6x30; 1 x 8x30; 1 x 10x30

8100 SC 9 Zyklop Speed Ratchet Set, 1/2" drive, imperial



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Speed Ratchet with  $^{1}/_{2}^{"}$  drive, 10 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 14 bits

05 <b>004079</b> 001		
0	8000 C	1 x 1/2"x277,0
•	8790 HMC	1 x 3/8"x37,0; 1 x 7/16"x37,0; 1 x 1/2"x37,0;
		1 x 9/16"x37,0; 1 x 19/32"x37,0;
		1 x 5/8"x37,0; 1 x 11/16"x37,0; 1 x 3/4"x37,0;
		1 x 25/32"x37,0; 1 x 13/16"x37,0
●0	8794 LC	1 x 1/2"x250,0
●0	8794 C	1 x 1/2"x52,0
•	8784 C2	1 x 5/16"x1/2"x50,0
0	851/2 Z PH	1 x PH 2x32; 1 x PH 3x32
0	855/2 Z PZ	1 x PZ 2x32; 1 x PZ 3x32
0	867/2 Z TORX®	<sup>9</sup> 1 x TX 20x35; 1 x TX 25x35; 1 x TX 30x35;
		1 x TX 40x35; 1 x TX 45x35; 1 x TX 50x35
0	840/2 Z	1 x 7/32"x30; 1 x 1/4"x30; 1 x 5/16"x30;
		1 x 3/8"x30

# The Zyklop Metal Ratchets Push, 1/2"

### With push-through square

8100 SC 7 Zyklop Metal Ratchet Set with push-through square,  $^{1}/_{_{2}}$ " drive, metric



28-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with push-through square and  $^{1}/_{_{2}}$ " drive, 10 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 14 bits

05 <b>004077</b> 001		
0	8003 C	1 x 1/2"x281,0
•	8790 HMC	1 x 10,0x37,0; 1 x 11,0x37,0; 1 x 12,0x37,0;
		1 x 13,0x37,0; 1 x 14,0x37,0; 1 x 15,0x37,0;
		1 x 16,0x37,0; 1 x 17,0x37,0; 1 x 18,0x37,0;
		1 x 19,0x37,0
●0	8794 LC	1 x 1/2"x250,0
●0	8794 C	1 x 1/2"x52,0
•	8784 C2	1 x 5/16"x1/2"x50,0
0	851/2 Z PH	1 x PH 2x32; 1 x PH 3x32
0	867/2 Z TORX®	1 x TX 20x35; 1 x TX 25x35; 1 x TX 27x35;
		1 x TX 30x35; 1 x TX 40x35; 1 x TX 45x35;
		1 x TX 50x35; 1 x TX 55x35
0	840/2 Z	1 x 5x30; 1 x 6x30; 1 x 8x30; 1 x 10x30

8100 SC 10 Zyklop Metal Ratchet Set with push-through square,  $^{1}/_{2}$ " drive, imperial



 $28\mbox{-piece}$  set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

1 Zyklop Metal Ratchet with push-through square and  $^{1}/_{2}$ " drive, 10 Zyklop sockets, 1 Zyklop extension (long) with free-turning sleeve, 1 wobble extension, 1 adaptor with quick-release chuck, 14 bits

05 <b>004080</b> 001		
0	8003 C	1 x 1/2"x281,0
•	8790 HMC	1 x 3/8"x37,0; 1 x 7/16"x37,0; 1 x 1/2"x37,0;
		1 x 9/16"x37,0; 1 x 19/32"x37,0;
		1 x 5/8"x37,0; 1 x 11/16"x37,0; 1 x 3/4"x37,0;
		1 x 25/32"x37,0; 1 x 13/16"x37,0
	8794 LC	1 x 1/2"x250,0
	8794 C	1 x 1/2"x52,0
•	8784 C2	1 x 5/16"x1/2"x50,0
•	851/2 Z PH	1 x PH 2x32; 1 x PH 3x32
0	867/2 Z TORX®	<sup>2</sup> 1 x TX 20x35; 1 x TX 25x35; 1 x TX 27x35;
		1 x TX 30x35; 1 x TX 40x35; 1 x TX 45x35;
		1 x TX 50x35; 1 x TX 55x35
0	840/2 Z	1 x 7/32"x30; 1 x 1/4"x30; 1 x 5/16"x30;
		1 x 3/8"x30

# Zyklop Accessories, 1/2"

### With amazing product benefits

#### HMC Zyklop socket with 1/2" drive



Application: Hexagon headed bolts, screws and nuts

Design: Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, chrome vanadium, brushed chrome-plated finish. Colour coding

to enable the desired bit socket to be easily located

			<b>∆</b> ;	$\Box$	Λ	\[\frac{1}{2}\]
	mm		mm	mm	mm	mm
05 <b>003601</b> 001	10,0		37,0	15,5	24,0	17,0
05 <b>003602</b> 001	11,0		37,0	16,5	24,0	17,0
05 <b>003603</b> 001	12,0		37,0	17,5	24,0	17,0
05 <b>003604</b> 001	13,0		37,0	19,0	24,0	17,0
05 <b>003605</b> 001	14,0		37,0	20,0	24,0	17,0
05 <b>003606</b> 001	15,0		37,0	21,0	24,0	17,0
05 <b>003607</b> 001	16,0		37,0	22,5	24,0	17,0
05 <b>003608</b> 001	17,0		37,0	24,0	26,0	17,0
05 <b>003609</b> 001	18,0		37,0	25,0	26,0	17,0
05 <b>003610</b> 001	19,0		37,0	26,5	26,0	20,0
05 <b>003611</b> 001	20,0		37,0	28,0	26,0	20,0
05 <b>003612</b> 001	21,0		37,0	29,0	26,0	20,0
05 <b>003613</b> 001	22,0		37,0	30,5	26,0	20,0
05 <b>003614</b> 001	24,0		37,0	33,0	28,0	20,0
05 <b>003615</b> 001	27,0		40,0	36,5	32,0	23,0
05 <b>003616</b> 001	30,0		42,0	40,0		
05 <b>003617</b> 001	32,0		,-	42,0		
05 <b>003618</b> 001		3/8"	37,0			17,0
05 <b>003619</b> 001		<sup>7</sup> / <sub>16</sub> "	37,0	16,5	24,0	17,0
05 <b>003620</b> 001		1/ "	37,0	19,0	24,0	17,0
05 <b>003621</b> 001		9/ <sub>16</sub> "	37,0	20,0	24,0	17,0
05 <b>003622</b> 001		19/_"	37,0	21,0	24,0	17,0
05 <b>003623</b> 001		5/8"	37,0	22,5	24,0	17,0
05 <b>003624</b> 001		<sup>11</sup> / <sub>16</sub> "	37,0	25,5	26,0	17,0
05 <b>003625</b> 001		3/4"	37,0	26,5	26,0	20,0
05 <b>003626</b> 001		25/32	37,0	28,0	26,0	20,0
05 <b>003627</b> 001		13/ <sub>16</sub> "	37,0	29,0	26,0	20,0
05 <b>003628</b> 001		<sup>7</sup> / <sub>8</sub> "	37,0	30,5	26,0	20,0
05 <b>003629</b> 001		15/ " 16	37,0	33,0	28,0	20,0
05 <b>003630</b> 001		31/32"	37,0	33,0		20,0
05 <b>003631</b> 001		1"	40,0	36,5	32,0	
05 <b>003632</b> 001		1 1/ "			32,0	23,0
05 <b>003633</b> 001		1 1/8"			34,0	23,0
05 <b>003634</b> 001			42,0		34,0	25,0
05 <b>003635</b> 001		1 1/4"	42,0	42,0	36,0	25,0

# 8790 HMC HF Zyklop socket with $^{1}\!/_{_{\!2}}$ " drive with holding function



Application: Hexagon headed bolts, screws and nuts

**Design:** Manual and (non-impact) machine applications, ball intercept

ring, knurls at base for precision handling in manual operations, with holding function, chrome vanadium, brushed chrome-plated finish. Colour coding to enable the desired bit socket to

be easily located

_					
	mm	∏. mm	mm	 	; mm
05 <b>003730</b> 001	10,0	37,0	17,8	23,5	10,4
05 <b>003731</b> 001	11,0	37,0	18,8	23,5	10,4
05 <b>003732</b> 001	12,0	37,0	20,4	23,5	11,4
05 <b>003733</b> 001	13,0	37,0	21,4	23,5	11,4
05 <b>003734</b> 001	14,0	37,0	22,6	23,5	11,4
05 <b>003735</b> 001	15,0	37,0	23,6	23,5	12,0
05 <b>003736</b> 001	16,0	37,0	25,0	23,5	12,0
05 <b>003737</b> 001	17,0	37,0	26,8	23,5	12,5
05 <b>003738</b> 001	18,0	37,0	28,0	23,5	12,5
05 <b>003739</b> 001	19,0	37,0	29,2	23,5	14,0

#### 8790 HMC HF 1 Zyklop socket set with holding function



10-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

10 Zyklop sockets with 1/2" drive with holding function

Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

•	
05 <b>004203</b> 001	
•	<b>8790 HMC HF</b> 1 x 10,0x37,0; 1 x 11,0x37,0; 1 x 12,0x37,0;
	1 x 13,0x37,0; 1 x 14,0x37,0; 1 x 15,0x37,0;
	1 x 16,0x37,0; 1 x 17,0x37,0; 1 x 18,0x37,0;
	1 x 19,0x37,0

### Tip



# Sockets with retaining function for hexagon headed bolts, screws and nuts



The clamping of the screw is achieved by two flexible locking balls and a robust, permanently elastic, heat-shrunk tubing. The tubing is effectively protected against mechanical wear and tear by a steel ring. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.



#### Secure hold and easy removal



The all new smooth turning mechanism of the Zyklop HF Socket sets guarantees both secure and rattle-free storage, yet allows easy removal of the tool.

# Zyklop Accessories, 1/2"

#### With amazing product benefits

### 8767 C HF TORX® Zyklop bit socket with $^{1}/_{2}^{"}$ drive with holding function



Application: TORX® socket screws

Design:

Manual and (non-impact) machine applications, ball intercept ring, knurls at base for precision handling in manual operations, chrome vanadium, brushed chrome-plated finish, holding function for TORX® screws made according to Acument Intellectual Properties specifications. Take it easy tool finder: Colour coding to enable the desired bit socket to be easily located

	0	∄ ‡		$\square$	∐;
		mm	mm	mm	mm
)5 <b>003830</b> 001	TX 20	60,0	16,4	23,5	21,5
5 <b>003850</b> 001	TX 20	140,0	16,4	23,5	101,5
5 <b>003831</b> 001	TX 25	60,0	16,4	23,5	21,5
5 <b>003851</b> 001	TX 25	140,0	16,4	23,5	101,5
05 <b>003832</b> 001	TX 27	60,0	16,4	23,5	21,5
)5 <b>003852</b> 001	TX 27	140,0	16,4	23,5	101,5
5 <b>003833</b> 001	TX 30	60,0	16,4	23,5	21,5
5 <b>003853</b> 001	TX 30	140,0	16,4	23,5	101,5
5 <b>003834</b> 001	TX 40	60,0	16,4	23,5	21,5
5 <b>003854</b> 001	TX 40	140,0	16,4	23,5	101,5
05 <b>003835</b> 001	TX 45	60,0	16,4	23,5	21,5
5 <b>003855</b> 001	TX 45	140,0	16,4	23,5	101,5
05 <b>003836</b> 001	TX 50	60,0	21,4	23,5	21,5
5 <b>003856</b> 001	TX 50	140,0	21,4	23,5	101,5
5 <b>003837</b> 001	TX 55	60,0	21,4	23,5	21,5
5 <b>003857</b> 001	TX 55	140,0	21,4	23,5	101,5
5 <b>003838</b> 001	TX 60	60,0	21,4	23,5	21,5
)5 <b>003858</b> 001	TX 60	140,0	21,4	23,5	101,5

### 8767 C TORX® HF 1 Zyklop bit socket set with 1/2" drive, with holding function



9-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

9 Zyklop bit sockets for TORX® screws, with  $^{1}/_{2}$ " drive, with holding function. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

05 <b>004202</b> 001		
0	8767 C HF	1 x TX 20x60; 1 x TX 25x60; 1 x TX 27x60;
		1 x TX 30x60; 1 x TX 40x60; 1 x TX 45x60;
		1 x TX 50x60; 1 x TX 55x60; 1 x TX 60x60

### 8767 C TORX® HF 2 Zyklop bit socket set with $^{1}/_{2}$ " drive, with holding function



6-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

6 Zyklop bit sockets, 140 mm long, for TORX® screws, with  $^{1}/_{2}$ " drive, with holding function. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

05 <b>004211</b> 001		
0	8767 C HF	1 x TX 20x140; 1 x TX 25x140; 1 x TX 27x140;
		1 x TX 30x140; 1 x TX 40x140; 1 x TX 45x140

### Tip

#### 



9-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

9 Zyklop bit sockets, 140 mm long, for TORX® screws, with  $1/_2$ " drive, with holding function. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

05 <b>004212</b> 001		
0	8767 C HF	1 x TX 20x140; 1 x TX 25x140; 1 x TX 27x140;
		1 x TX 30x140; 1 x TX 40x140; 1 x TX 45x140;
		1 x TX 50x140: 1 x TX 55x140: 1 x TX 60x140

### 8740 C HF 1 Zyklop bit socket set with 1/2" drive with holding function



9-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

9 Zyklop bit sockets for hexagon socket screws, with 1/2" drive, with holding function. Take it easy tool finder: Colour coding and large stamp to enable the desired socket to be easily located.

05 <b>004201</b> 001		
0	8740 C HF	1 x 4,0x60,0; 1 x 5,0x60,0; 1 x 6,0x60,0;
		1 x 7,0x60,0; 1 x 8,0x60,0; 1 x 10,0x60,0;
		1 x 12,0x60,0; 1 x 14,0x60,0; 1 x 17,0x60,0

# HOLDING

# Bit sockets with holding function for TORX® screws



The HF tools developed by Wera are ideal because they feature an optimised geometry of the original TORX® profile. The wedging forces resulting from the surface pressure between the drive tip and the screw profile mean that TORX® screws made according to Acument Intellectual Properties specifications are securely held on the tool!



# Bit sockets with retaining function for hexagon socket screws



The clamping of the screw is achieved by a flexible locking ball. The holding function is especially helpful in confined, hard-to-reach spaces, where there is no room for a second hand to secure the screw.



#### Secure hold and easy removal



The all new smooth turning mechanism of the Zyklop HF Socket sets guarantees both secure and rattle-free storage, yet allows easy removal of the tool.

# Zyklop Accessories, 1/2"

### With amazing product benefits

# 8740 C HF 2 Zyklop bit socket set with $^{1}\!/_{2}^{\,\,\mathrm{II}}$ drive, with holding function

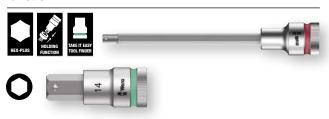


9-piece set; in a surface-preserving, compact and extremely robust textile box; low volume and weight for simplified mobility

9 Zyklop bit sockets, 140 mm long, for hexagon socket screws, with  $\frac{1}{2}$  drive, with holding function

05 <b>004210</b> 001		
0	8740 C HF	1 x 4,0x140,0; 1 x 5,0x140,0; 1 x 6,0x140,0;
		1 x 7,0x140,0; 1 x 8,0x140,0; 1 x 10,0x140,0

# 8740 C HF Zyklop bit socket with $^{1}\!/_{_{\! 2}}^{_{11}}$ drive with holding function



Application: Hexagon socket screws

Design: Manual and (non-impact) machine applications, ball intercept

ring, knurls at base for precision handling in manual operations, chrome vanadium, brushed chrome-plated finish, holding function for hexagon socket screws. Colour coding to enable the desired bit socket to be easily located

	0	<b>目;</b>			;	
	mm	mm	mm	mm	mm	
05 <b>003820</b> 001	4,0	60,0	14,0	21,5	21,5	
05 <b>003840</b> 001	4,0	140,0	14,0	21,5	101,5	
05 <b>003821</b> 001	5,0	60,0	14,0	21,5	21,5	
05 <b>003841</b> 001	5,0	140,0	14,0	21,5	101,5	
05 <b>003822</b> 001	6,0	60,0	14,0	21,5	21,5	
05 <b>003842</b> 001	6,0	140,0	14,0	21,5	101,5	
05 <b>003823</b> 001	7,0	60,0	14,0	23,5	21,5	
05 <b>003843</b> 001	7,0	140,0	14,0	23,5	101,5	
05 <b>003824</b> 001	8,0	60,0	16,0	23,5	21,5	
05 <b>003844</b> 001	8,0	140,0	16,0	23,5	101,5	
05 <b>003825</b> 001	10,0	60,0	16,0	23,5	21,5	
05 <b>003845</b> 001	10,0	140,0	16,0	23,5	101,5	
05 <b>003826</b> 001	12,0	60,0	21,0	23,5	23,0	
05 <b>003827</b> 001	14,0	60,0	22,0	23,5	23,0	
05 <b>003828</b> 001	17,0	60,0	24,5	25,5	23,0	
05 <b>003829</b> 001	19,0	60,0	26,5	27,5	23,0	



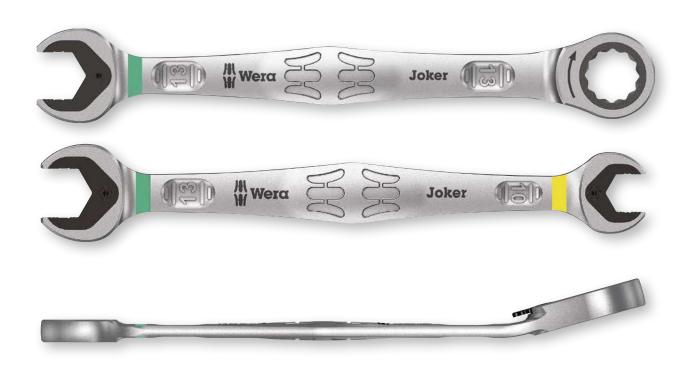


# Joker Wrenches

Joker Ratcheting combination wrenches	168
Joker Switch Ratcheting combination wrenches	170

### Joker open-ended wrenches

When we began to think about open-ended wrenches, we asked ourselves: why does the wrench always have to be flipped over; why does it have an offset design; why does it slip off injuring fingers? The new design of the mouth resulted in a real "Joker" that works even when all other trumps have been played.





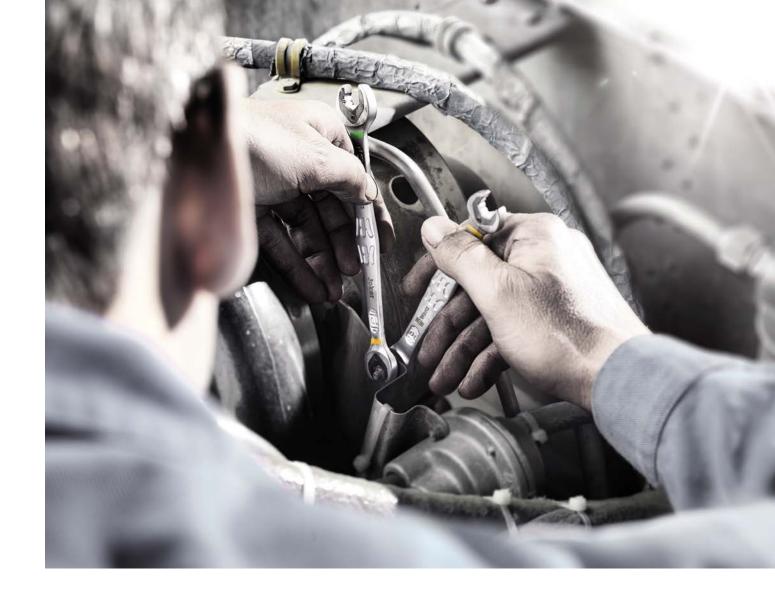
The Joker's holding function means that nuts and bolts can be held in the jaw and easily positioned where they are needed. Fastening on to the thread can then be done quickly and safely, thanks to the innovative special stop-plate which holds the fastener. No more time-wasting searches for dropped nuts and bolts! After applying and positioning the nut or bolt, fastening can begin immediately — no additional tools required.



Constant re-positioning of the wrench? Difficulty holding fasteners in confined spaces? Easing off to avoid any risks of injury or fastener damage? That was yesterday. Today, the Joker prevents slipping off of the fastener head with its integrated limit-stop — no longer is the thumb needed to act as a depth stop. This makes applications much easier and allows signifi cantly more force to be applied during fastening jobs.



The Joker's clever double-hex geometry delivers a very positive connection with nuts or bolts — it's a perfect fit. And the exchangeable, hardened metal gripping plate in the Joker's mouth literally bites itself into the bolt, with its extremely hard tips. Both features combine to prevent slipping, even at higher torque.





Instead of 60°, the Joker only has a 30° return angle thanks to its unique double-hex design. Along with the Joker's straight neck, this means that flipping the wrench has become a thing of the past. With the Joker, you can now loosen and tighten nuts and bolts, in situations where conventional tools fail. Particularly in confined spaces, where conventional open-jawed wrenches cannot be used. The combination of limit stop and small return angle enables eff ective work, even on screw pipe connections.



The ratcheting feature at the ring end boasts an exceptional, fine tooth mechanism – 80 teeth in all – which provides greater flexibility, even in very confined workingspaces.

### **Joker**

### **Combination ratchet wrenches**

#### **Joker Ratcheting combination wrenches**





Application:Hexagonal nuts or boltsDesign:Ratcheting combination wrench

	$\bigcirc$	Ï,	$\langle  \rangle$		Ö	.l.
	mm	mm	mm	mm	mm	mm
05 <b>073268</b> 001	8	144	20	5,5	18	7
05 <b>073270</b> 001	10	159	22	5,5	21	7,2
05 <b>073271</b> 001	11	165	25	6,3	22	7,5
05 <b>073272</b> 001	12	170,7	26,3	6,6	25	8,5
05 <b>073273</b> 001	13	177	27,3	7	25	8,6
05 <b>073274</b> 001	14	188	29,3	7,5	28	9,2
05 <b>073275</b> 001	15	200	32,3	7,8	28,5	9,2
05 <b>073276</b> 001	16	212	35	8,2	32,7	10,5
05 <b>073277</b> 001	17	224	37,2	8,5	32,7	10,5
05 <b>073278</b> 001	18	235	39	9	33,8	11
05 <b>073279</b> 001	19	246	42	9,5	34,8	11

#### Joker Ratcheting combination wrenches, imperial





**Application:** Hexagonal nuts or bolts **Design:** Ratcheting combination wrench

•						
		Ĭ; mm	₹ mm	mm	mm Ō	.l. mm
05 <b>073280</b> 001	5/ <sub>16</sub> "	144	20	5,5	18	7
05 <b>073281</b> 001	3/8"	159	22	5,5	21	7,2
05 <b>073282</b> 001	7/ <sub>16</sub> "	165	25	6,3	22	7,5
05 <b>073283</b> 001	1/2"	177	27,3	7	25	8,6
05 <b>073284</b> 001	9/ " 16	188	29,3	7,5	28	9,2
05 <b>073285</b> 001	5/8"	212	35	8,2	32,7	10,5
05 <b>073286</b> 001	<sup>11</sup> / <sub>16</sub> "	235	39	9	33,8	11
05 <b>073287</b> 001	3/4"	246	42	9,5	34,8	11

#### Joker Double open-ended wrenches







**Application:** Hexagon bolts and nuts **Design:** Double open-ended wrench

-							
		Ÿ	Ÿ	$\bigcirc$		- [] -	. [ .
		mm	mm	mm	mm	mm	mm
05 <b>003760</b> 001		10	23	13	27	5,5	7
05 <b>003765</b> 001		17	37	19	42	8,5	9,5

#### **Joker Set of Ratcheting combination wrenches**



Set of ratcheting combination wrenches 11-piece set Durable pouch

05 <b>020013</b> 001		
	Joker	1 x 8x144; 1 x 10x159; 1 x 11x165;
		1 x 12x170,7; 1 x 13x177; 1 x 14x188;
		1 x 15x200; 1 x 16x212; 1 x 17x224;
		1 x 18x235; 1 x 19x246

#### Joker Set of Ratcheting combination wrenches, imperial



Set of ratcheting combination wrenches 8-piece set Durable pouch

05 <b>020012</b> 001		
	Joker inch	1 x 5/16"x144; 1 x 3/8"x159; 1 x 7/16"x165;
		1 x 1/2"x177; 1 x 9/16"x188; 1 x 5/8"x212;
		1 x 11/16"x235; 1 x 3/4"x246

## Joker Set of Ratcheting combination / double open-ended wrenches



Ratcheting Combination/Double Open-Ended Wrench Set 6-piece set

Durable pouch

05 <b>020022</b> 001		
	Joker	1 x 10x159; 1 x 13x177; 1 x 17x224;
		1 x 19x246
	Joker Double	1 x 10x13x167; 1 x 17x19x235

#### Joker Set of Ratcheting combination wrenches



Set of ratcheting combination wrenches 4-piece set Durable pouch

05 <b>073290</b> 001		
	Joker	1 x 10x159; 1 x 13x177; 1 x 17x224;
		1 x 19x246

#### Joker Set of Ratcheting combination wrenches, imperial



Set of ratcheting combination wrenches 4-piece set Durable pouch

05 <b>073295</b> 001		
	Joker inch	1 x 7/16"x165; 1 x 1/2"x177; 1 x 9/16"x188;
		1 x 3/4"x246



77 To learn more about this product, scan the QR code.

### Joker

#### Combination ratchet wrenches

### Joker Switch Ratcheting combination wrenches, with switch lever



Application: Hexagonal nuts or bolts

**Design:** Ratcheting combination wrench, switch lever for convenient change of direction; ring end angled at 15° from the handle

	$\bigcirc$	Ĩ,	$\langle \langle \rangle$		Ö	
	mm	mm	mm	mm	mm	mm
05 <b>020064</b> 001	8	144	20,3	5,5	18	7
05 <b>020065</b> 001	10	159	23	5,5	21,5	7,5
05 <b>020066</b> 001	11	165	24,3	6,3	22	7,5
05 <b>020067</b> 001	12	171	26,3	6,6	25	8,5
05 <b>020068</b> 001	13	179	27,3	7	26	8,5
05 <b>020069</b> 001	14	187	30	7,5	28	9,5
05 <b>020070</b> 001	15	199	32	7,8	28,8	9,5
05 <b>020071</b> 001	16	213	35	8,2	31,7	10,5
05 <b>020072</b> 001	17	225	37	8,5	33	10,5
05 <b>020073</b> 001	18	234	39,5	9	34	11
05 <b>020074</b> 001	19	246	42	9,5	34,7	11

# Joker Switch Set of Ratcheting combination wrenches



Set of ratcheting combination wrenches, reversible

4-piece set

Durable pouch

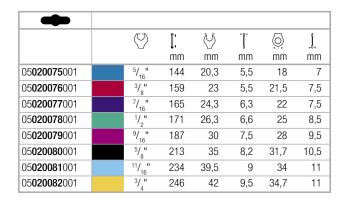
-		
05 <b>020090</b> 001		
	Joker Switch	1 x 10x159; 1 x 13x179; 1 x 17x225;
		1 x 19x246

#### Joker Switch Ratcheting combination wrenches, Imperial, with switch lever



Application: Hexagonal nuts or bolts

**Design:** Ratcheting combination wrench, switch lever for convenient change of direction; ring end angled at 15° from the handle



### Joker Switch Set of Ratcheting combination wrenches, imperial



Set of ratcheting combination wrenches, reversible

4-piece set

Durable pouch

05 <b>020092</b> 001		
	Joker Switch	1 x 7/16"x165; 1 x 1/2"x171; 1 x 9/16"x187;
	inch	1 x 3/4"x246

### Joker Switch Set of Ratcheting combination wrenches, Imperial



Set of ratcheting combination wrenches, reversible

8-piece set

Durable pouch

	05 <b>020093</b> 001		
Г		Joker Switch	1 x 5/16"x144; 1 x 3/8"x159; 1 x 7/16"x165;
ı		inch	1 x 1/2"x171; 1 x 9/16"x187; 1 x 5/8"x213;
1			1 x 11/16"x234; 1 x 3/4"x246

#### **Joker Switch Set of Ratcheting combination wrenches**



Set of ratcheting combination wrenches, reversible

11-piece set

Durable pouch

05 <b>020091</b> 001		
	Joker Switch	1 x 8x144; 1 x 10x159; 1 x 11x165;
		1 x 12x171; 1 x 13x179; 1 x 14x187;
		1 x 15x199; 1 x 16x213; 1 x 17x225;
		1 x 18x234; 1 x 19x246

### Tip

#### Fine tooth mechanism



The ratcheting feature at the ring end boasts an exceptional, fine tooth mechanism – 80 teeth in all – which provides greater flexibility, even in very confined working spaces.

#### Angled ratchet end



The ratchet end is angled at 15° to the tool axis, making application of the tool in confined spaces much easier.

#### **Joker Switch**



The direction of the fine-tooth ratchet mechanism can easily be changed via the smooth switch lever.



# TechLex Technical data and information

TORQUE Test Values	174
Dimensions Of Profiles	175

### **TORQUE Test Values**



#### **Slotted Tools**

Drives: DIN ISO 2380, VSM 35601. TORQUE values evaluated in test gages according to DIN ISO 2380 on TORQUE testing equipment.



#### **Hexagon Tools**

Drives: DIN ISO 2936. TORQUE values evaluated in test gages according to DIN ISO 2936 on TORQUE testing equipment.



#### **PH and PZ Tools**

Drives: DIN 5260, ISO 8764 and SMS-SS 1687.

TORQUE values evaluated in test gages according to DIN 5261, ISO 8764 on TORQUE testing equipment.



#### Tools with TORQ-SET® drive

TORQUE values evaluated with testing gages of Phillips Screw Company, licensor of TORQ-SET®, on TORQUE testing equipment.

a b	TORQUE in Nm (min)	I	0	TORQUE in Nm (min)
a x b mm	handuse	poweruse	SW (mm)	
0,3 x 2,0	0,18	0,20	0,7	0,08
0,4 x 2,0	0,30	0,35	0,9	0,18
0,4 x 2,5	0,40	0,45	1,3	0,53
0,5 x 3,0	0,70	0,80	1,5	0,82
0,5 x 3,5	0,90	0,98	2,0	1,9
0,6 x 3,5	1,30	1,40	2,5	3,8
0,6 x 4,0	1,40	1,61	3	6,6
0,6 x 4,5	-	1,80	3,5	11
0,8 x 4,0	2,60	2,90	4	16
0,8 x 4,5	2,88		4,5	24
0,8 x 5,0	3,20	3,58	5	30
0,8 x 5,5	3,50	3,90	6	52
1,0 x 5,5	5,50	6,20	7	78
1,0 x 6,5	6,50	7,28	8	120
1,0 x 7,0	7,0	7,80	9	180
1,2 x 6,5	9,40	10,50	10	220
1,2 x 7,0	10,0	11,28	11	295
1,2 x 8,0	11,5	12,90	12	370
1,4 x 9,0	17,6	19,70	13	480
1,5 x 13	29	32	14	590
1,6 x 8,0	20,5	22,9	17	1000
1,6 x 9,0	23	25	19	1000
1,6 x 10	25,6	28,7	22	1000
2,0 x 12	48,0	53	24	1000
2,0 x 13	52	58	27	1000
2,5 x 14	87	98		
2,5 x 16	100	112		

Important	device:

3,0 x 18

After TORQUE testing with the minimum value, screwdrivers shall not show any deformation or injuries at the tip.

181

0	TORQUE in Nm (min) handuse	poweruse
0	1,0	1,0
1	3,5	3,9
2	8,2	10,3
3	19,5	32,0
4	38,0	88,7



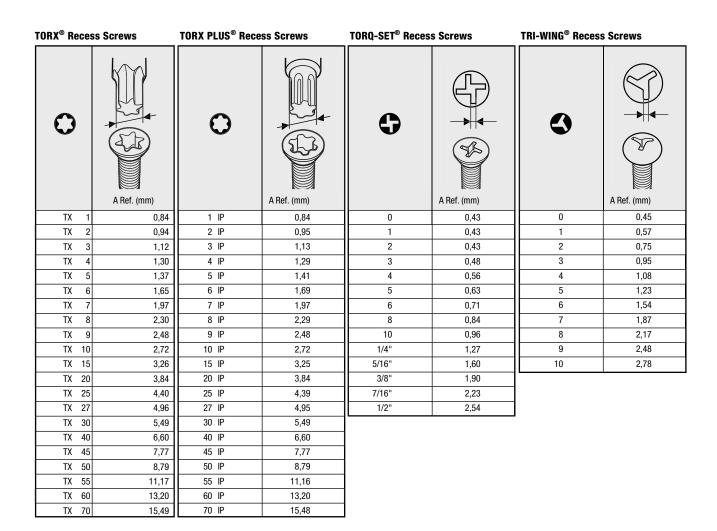
### Tools with $\mathsf{TORX}^{^{\otimes}}$ and $\mathsf{TORX}$ PLUS $^{^{\otimes}}$ drive

TORQUE values evaluated with testing gages of Acument Global Technologies Inc., licensor of TORX® and TORX PLUS®.

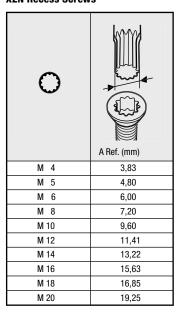
•	TORQUE in Nm (min)				
	Bits	Screw- drivers			
2	1,1	1,1			
3	1,7	1,7			
4	2,8	2,8			
5	4,0	4,0			
6	5,1	5,1			
8	8,5	8,5			
10	11,3	11,3			
1/4"	28	17			
5/16"	56	28			
3/8"	102	62			
7/16"	147				
1/2"	249				
9/16"	271				
5/8"	339				

00	TORQUE in Ni	m (min.)		TORX PLUS	®	
0	Bit	Resis-Bit	Screw- driver	Bit	Resis-Bit	Screw- driver
1	0,10	-	0,08	0,11		
2	0,14	-	0,12	0,16		
3	0,25	-	0,21	0,28		
4	0,37	-	0,31	0,44		
5	0,51	-	0,43	0,61		
6	0,91	-	0,75	1,11		0,92
7	1,7	1,4	1,4	2,10		1,68
8	2,6	2,2	2,2	3,21	2,5	2,79
9	3,4	2,9	2,8	4,19	3,3	3,49
10	4,5	3,8	3,7	5,42	4,3	4,47
15	7,7	6,5	6,4	9,62	7,3	8,06
20	12,7	10,8	10,5	16,15	11,9	13,41
25	19,0	16,1	15,9	23,50	17,4	19,58
27	26,9	22,9	22,5	34,62	25,1	28,95
30	37,4	31,8	31,1	47,18	33,5	39,34
40	65,1	55,3	54,1	82,08	59,4	68,40
45	104	88	86	137,38	97,3	114,44
50	159	135	132	194,54	152,4	162,14
55	257	218	218	352,10	291,5	299,25
60	445	379	379	566,11	483,0	481,24
70	701	596	600	910,40	713,3	773,91

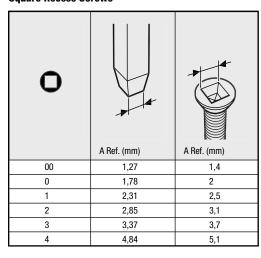
### **Dimensions Of Profiles**



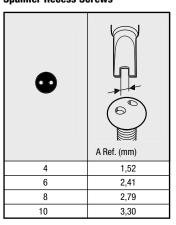
#### XZN Recess Screws



#### **Square Recess Screws**



#### Spanner Recess Screws



Notes	
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	_
	_

Notes	

### Regional Contacts



### wera Werkzeuge GmbH

Korzerter Straße 21-25 42349 Wuppertal

C +49 / (0)202 / 40 45 - 0 +49 / (0)202 / 40 36 34 Fax:

E-Mail: info@wera.de



#### Germany

#### 04654 Frohburg **Industrievertretung Jens Hiensch**

+49 / (0)157 / 71 90 78 21 E-Mail: jens.hiensch@iv-hiensch.de

#### 09326 Geringswalde **IMS Lonthoff**

+49 / (0)1525 / 39 81 570 E-Mail: info@ims-lonthoff.de

#### 10961 Berlin

#### Werksvertretung Peter Raschke

+49 / (0)177 / 74 90 484 E-Mail: raschke@wv-raschke.de

#### 21465 Reinbek Rosendahl & Koppel Inh. Mark Petersen e.K.

+49 / (0)40 / 23 41 47

E-Mail: mark.petersen@roko-petersen.de

#### 26160 Bad Zwischenahn **Ralf Saul**

C +49 / (0)4403 / 91 00 972 E-Mail: r.saul@wera.de

#### 42111 Wuppertal

HKL Industrievertretungen GmbH +49/(0)202 / 47 00 01

E-Mail: hkl@wera.de

#### 42349 Wuppertal

Dirk Blasius - Verkaufsleiter NRW

+49 / (0)202 / 40 45 204 E-Mail: blasius@wera.de

#### 58256 Ennepetal Ulrich Hesselmann

+49 / (0)2333 / 83 92 37 E-Mail: ulrich.hesselmann@wera.de

#### 64342 Seeheim-Jugenheim Layer OHG

+49 / (0)6257 / 86 96 0 E-Mail: info@layer-ohg.de

#### 78132 Hornberg

#### **Industrievertretung Markus Haberstroh**

+49 / (0)7833 / 955 54 86

E-Mail: m.haberstroh@haberstroh-industrievertretung.de

#### 88489 Wain

#### Thorsten Schilder Handelsvertretung

+49 / (0)7353 / 528 48 74 E-Mail: thorsten.schilder@wera.de

#### 90455 Nürnberg Dietz OHG

+49 / (0)9129 / 90 57 50

E-Mail: dietz@wera.de

### Europe



AT - 5412 Puch Alpen-MayKestag GmbH

+43/(0)662/44 901-0 E-Mail: verkauf@a-mk.com



B - 1600 Sint-Pieters-Leeuw Beltracy S.A.

+32/(0)2/54 36 890

E-Mail: info@beltracy.be



BG - 1421 Sofia Mr. Nikola Ivanov

+359 8865 11 585 E-Mail: weraw@mail.bg



CH - 1026 Denges Metalsa SA

+41/(0)21/80 45 050 E-Mail: info@metalsa.ch



CZ - 180 82 Praha 8



ABQ AGENCY s.r.o.



+420/(0)2/28 38 41 981

E-Mail: info@abefekt.cz



DK - 2730 Herlev HJS Værktøj A/S +45/44 844044

E-Mail: hjs@hjs.dk





<sup>∰ Werα</sup> Wera Iberia

C./Mogoda, 1-5 (Edificio Nodus) Pno. Ind. Can Salvatella

E - 08210 Barberà del Vallès / Barcelona

U Fax:

+34/93/7297-240 +34/93/7297-241

E - Mail: juan.pires@weraspain.com



EST - 1415 Tallinn



AS Stokker +372/6/20 11 11



E-Mail: timmo.eenmaa@stokker.com



EST - 12618 Tallinn Toolmarketing OÜ



+372/6/09 64 36 E-Mail: info@toolmarketing.eu





<sup>∰ Weτα</sup> Wera Outillages S.A.S.

13, rue Ampère

F - 67500 Haguenau

C

+33 9 72 61 16 52 E-Mail: info@wera-outillages.fr



FIN - 01511 Vantaa Wihuri Oy Technical Trade +358 / (0)20 / 51 02 364

E-Mail: info@wihuri.fi



Units 1 & 2, McGregor's Way Turnoaks Business Park

GB - Chesterfield S40 2WB

+44/(0)1246/277756 C +44/(0)1246/273335

E - Mail: queries@wera-tools.co.uk



GR - 166 72 Vari Costas J. Kessissoglou

+30 /210/96 37-520 E - Mail: kessi@cosmotemail.gr



I - 20097 San Donato Milanese Carlo Stechel & Figli srl

+39 / 02 52 77 71 E-Mail: wera@stechel.it

### Regional Contacts

#### **Europe**

LT-69320 Klaipëdos raj. UAB GITANA

+370 / 46 / 410881 E-Mail: info@gitana.lt



N - 0787 Oslo MORGENSTIERNE verktøy AS

+47 / (0)22 / 49 28 00 E-Mail: tools@morgenstierne.no



Wera NL - Nord Gerard Kluck

+31 / 65 28 52 622 E-Mail: kluck@wera.de



<sub>Wera</sub> NL - Süd **Wouter Steijvers** 

+31 / 65 28 50 162 E-Mail: steijvers@wera.de



PL - 61-306 Poznań Agentools Sp. z o.o. Sp. k.

+48 / (0)61 / 87 19 000 E-Mail: info@agentools.pl



RO-400441 Cluj-Napoca Mr. Victor Martes

+40 / 741 / 072 479 E-Mail: wera@easy-pro.ro

RUS - 119454 Moskau KNIPEX 000

+7 / 495 / 73 73 497 E-Mail: info@knipex.ru



RUS-143581 Moskau 000 "ЦИТ" ЦЕНТРОИНСТРУМЕНТ

+7- / 495 / 789 73 14/15

E-Mail: wera@centro-i.ru



S - 163 53 Spånga Hansson & Frife AB

+46 / (0)8 / 76 02 510 E-Mail: hansson.frife@esma.se



SRB-11030 Beograd ELTEC Export-Import d.o.o

+381 / 11 / 3555 - 065 F - Mail: F-Mail: info@eltec.rs

### North America (Canada, USA, Mexico)



₩ **Werc** CA - Burlington, Ontario
Wera Tools Inc.

1 - 800 - 267 - 5541 E-Mail: info@weratools.com

South America

E-Mail: rudi@quilmesneumatica.com

AR - 1879 Buenos Aires

Quilmes Neumática S.A.

+54 / 11 42 50 03 65 int.21



₩ wera CA - Burlington, Ontario Wera Tools Inc.

E - Mail:

1 - 800 - 267 - 5541info@weratools.com

Wera CA - Burlington, Ontario
Wera Tools Inc.

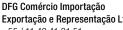
+1-905-637-0003 info@weratools.com



CL - Santiago de Chile

Comercial e Industrial Isesa S.A.

+56 / 23 62 70 00 E - Mail: isesa@isesa.cl



Exportação e Representação Ltda +55 / 11 49 41 21 51

BR - 09601-000 São Bernardo do Campo-SP

CL - Quilicura, Santiago de Chile

TAGLERMAQ S.A +56 / 22 478 1101

#### Australia and Oceania



AU - Australia - 2147 Seven Hills Cabac

+61 / 13 31 22 E-Mail: sales@cabac.com.au

NZ - 1060 Auckland Ecco Pacific Ltd. +64 0800 77 6969 E-Mail: sales@cabac.co.nz

E-Mail: www.dfgferramentas.com.br

NZ - 8023 Christchurch **Blacks Fasteners** 

blinzmayer@tagler.cl

+64-3-3652460

E-Mail: sydenham@blacksfasteners.co.nz

#### Asiα



CN - 201206 Shanghai KNIPEX Tools Co., Ltd. +86 / 21 58 99 80 10



E-Mail: info@knipex.com.cn **Matfron Industrial Automatic** 



(Shanghai) Co., Ltd +86 / 021 / 66 24 91 22



KR - 10463 Gyunggi-Do KR - 10463 LnJ Korea

C

+82 / 31 / 96 61 429 E-Mail: LNJ2100@ymail.com



KR - 08531 Seou Protool Co., LTD. KR - 08531 Seoul E-Mail: sejin@protool.co.kr

∰ Wera

Wera Tools Japan G.K.

E - Mail:

+81 70 4813 1142 frank.yang@wera.de



IN - 411001 Pune Nikita Distributors & Extreme **Adventure Sports** 

+91 / 20 30 50 06 14 E-Mail: raman.jpa@gmail.com



IN - 600 125 Chennai **Rapidtec Enterprises** +91 994 036 6621 rapidtec2011@gmail.com

SG - 575625 Singapore Wing Poh Hardware Pte Ltd +65 / 62 50 05 23

TW - 114 Taipei City / Taiwan R.O.C Inhand Corporation

+886 / 2 / 63 19 53 8

TW - 11483 Taipei / Taiwan R.O.C. **Duramet Corporation** +886 / 2 / 26 32 24 88

VN - Ho Chi Minh City, Vietnam THE GIOI MOI EQUIPMENT AND ENGINEERING SOLUTION JOINT STOCK COMPANY (THE GIOI MOI JSC)

+84-28-66 80 88 75 E-Mail: thegioimoijscvn@gmail.com

### Middle East

E - Mail: menahem@tenegal.com



IL - Tel-Aviv 61573 Tenegal Agencies Ltd. +972 / (0)3 / 56 17 411

JO, LB, IR, SY, KW, BH, QA, OM, AE, SA, JE KNIPEX Tools Middle East FZE

+971 / 48 87 85 56 info@kninex-tools.com





IR - 15866-45915 Tehran / Iran Abzarsara Co.



+98 / 21 88 81 31 20 info@abzarsara.com



IR - 15866-45915 Tehran / Iran FourSat Kish Co Ltd. +98 / 21 88 60 24 84 arash.etminan@foursat.com



### Contact us

#### All regions

(except for North America, Asia, UK and Republic of Ireland)

Wera Werkzeuge GmbH· Germany

Korzerter Straße 21–25 D-42349 Wuppertal

Phone: +49 (0) 202 / 40 45-0 Fax: +49 (0) 202 / 40 36 34

E-Mail: info@wera.de Internet: www.wera.de

#### North America

Wera Tools Inc.

4129 Harvester Rd, Unit H Burlington, Ontario Canada, L7L 5M3

Phone: 1-800-267-55 41
E-Mail: info@weratools.com
Internet: www.weratools.com

#### Asia

#### Wera Tools Japan G.K.

Room 306, 3F, Tokyu Shinbashi Bldg., 4-21-3

Shinbashi, Minato-Ku, Tokyo

105-0004 Japan

Phone: +81-3-6895-7386 Mobil: +81-70-4813-1142 E-Mail: frank.yang@wera.de

Internet: www.wera.de

#### **UK & Republic of Ireland**

#### Wera Tools UK LTD

Units 1 & 2, McGregor's Way Turnoaks Business Park, Chesterfield Derbyshire, S40 2WB Great Britain

Phone: +44 / (0) 12 46 / 27 77 56 E-Mail: queries@wera-tools.co.uk Internet: www.wera-tools.co.uk

company Wera Werkzeuge GmbH.

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