

# Precision Fastening Tools for Electronic Assembly



# Precision engineered tools for the challenges of Electronic Manufacturing Services (EMS)



With the increasing economic pressure on the global EMS providers, Wera recognizes the importance of reliable and efficient fastening solutions.

Wera is constantly working to improve on the status-quo, and to provide new solutions to the unique challenges of the EMS.

Wera, as one of the largest drive bit manufacturers worldwide, is licensed to produce most known screw profile licenses. such as TORX®, TORX PLUS®, Microstix, Phillips etc.

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.



And, by working directly with leading screw manufacturers, Wera brings value to its customers – by developing and delivering tailored and economical solutions which allows our valued customers to reduce down time, to improve efficiency and finally to reduce production costs, and to boost competitiveness.

We are sure that you will find many useful solutions to your fastening challenges in the pages of our new EMS brochure.

And if we can provide any technical assistance, or if you

have a particular challenge for which you can't currently find a solution, please contact your local representative and/or directly our Sales Director Customized Products; Mr. Lutz Buchholz at [lbuchholz@wera.de](mailto:lbuchholz@wera.de).

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!

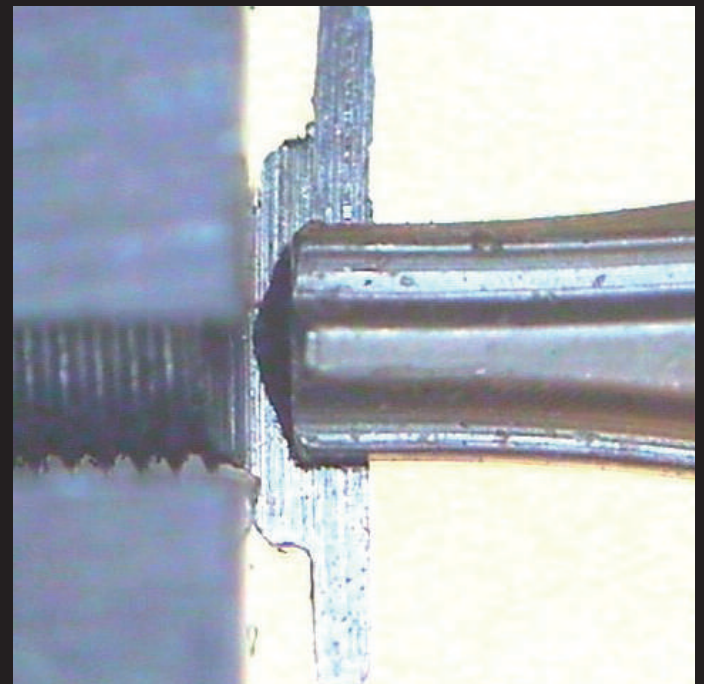
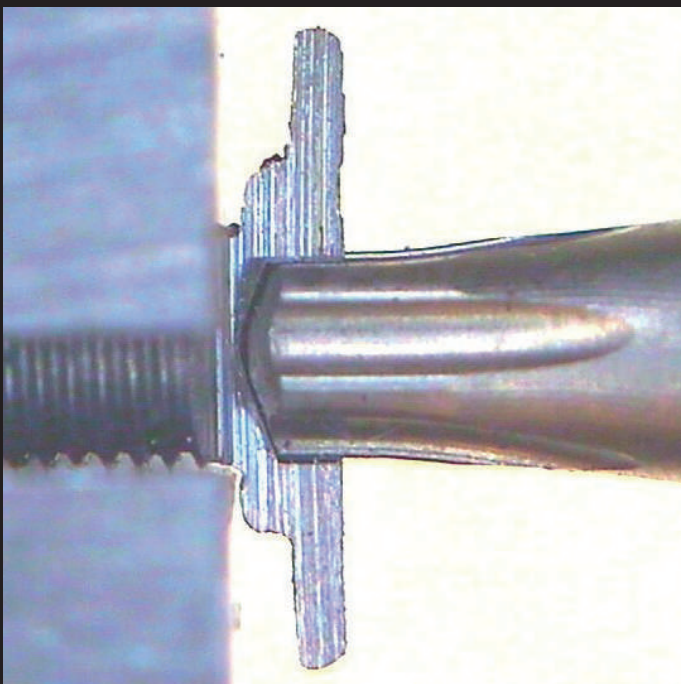
Excellent and well-defined TORX PLUS® geometry – to assure optimum fit.

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 optimized 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.







# **Drive Bits & Adaptors**



# Bits for Phillips Screws



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

## 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

|                           | +     | mm | mm     | mm  |
|---------------------------|-------|----|--------|-----|
| 05135530001 <sup>1)</sup> | PH 00 | 50 | 2"     | 2,0 |
| 05380200001 <sup>1)</sup> | PH 00 | 89 | 3 1/2" | 2,0 |
| 05135531001 <sup>2)</sup> | PH 0  | 50 | 2"     | 2,5 |
| 05380201001 <sup>2)</sup> | PH 0  | 89 | 3 1/2" | 2,5 |
| 05135532001               | PH 1  | 50 | 2"     | 4,5 |
| 05380202001               | PH 1  | 89 | 3 1/2" | 4,5 |

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

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## 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

|             | +    | mm  | mm     | mm  |
|-------------|------|-----|--------|-----|
| 05059755001 | PH 1 | 70  | 2 3/4" | 4,5 |
| 05059760001 | PH 1 | 89  | 3 1/2" | 4,5 |
| 05059765001 | PH 1 | 127 | 5"     | 4,5 |
| 05059766001 | PH 1 | 152 | 6"     | 4,5 |
| 05059770001 | PH 2 | 70  | 2 3/4" | 6,0 |
| 05059775001 | PH 2 | 89  | 3 1/2" | 6,0 |
| 05059780001 | PH 2 | 110 | 4 3/8" | 6,0 |
| 05059785001 | PH 2 | 127 | 5"     | 6,0 |
| 05059786001 | PH 2 | 152 | 6"     | 6,0 |

## 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

|             | +    | mm | mm |
|-------------|------|----|----|
| 05059805001 | PH 1 | 50 | 2" |
| 05059810001 | PH 2 | 50 | 2" |
| 05059815001 | PH 3 | 50 | 2" |



4 mm Halfmoon direct drive (series 9)

4 mm

## 851/9 C J PH bits, halfmoon



**Application:** Phillips screws

**Drive:** Halfmoon, 4 mm

**Design:** Hard

|                           | +      | mm | mm       | mm  | mm | mm     |
|---------------------------|--------|----|----------|-----|----|--------|
| 05134605001 <sup>1)</sup> | PH 000 | 44 | 1 47/64" | 1,5 | 20 | 25/32" |
| 05134606001 <sup>1)</sup> | PH 000 | 64 | 2 33/64" | 1,5 | 20 | 25/32" |
| 05135270001 <sup>1)</sup> | PH 00  | 44 | 1 47/64" | 1,8 | 20 | 25/32" |
| 05135271001 <sup>1)</sup> | PH 00  | 64 | 2 33/64" | 1,8 | 20 | 25/32" |
| 05135272001 <sup>2)</sup> | PH 0   | 44 | 1 47/64" | 1,8 | 20 | 25/32" |
| 05135273001 <sup>2)</sup> | PH 0   | 64 | 2 33/64" | 1,8 | 20 | 25/32" |
| 05135274001 <sup>2)</sup> | PH 0   | 44 | 1 47/64" | 2,0 | 20 | 25/32" |
| 05135275001 <sup>2)</sup> | PH 0   | 64 | 2 33/64" | 2,2 | 20 | 25/32" |
| 05135278001 <sup>2)</sup> | PH 0   | 44 | 1 47/64" | 2,2 | 20 | 25/32" |
| 05135276001 <sup>1)</sup> | PH 1   | 44 | 1 47/64" | 3,0 | 20 | 25/32" |
| 05135277001 <sup>1)</sup> | PH 1   | 64 | 2 33/64" | 3,0 | 20 | 25/32" |
| 05134607001               | PH 2   | 44 | 1 47/64" | 4,0 | -  | -      |
| 05134608001               | PH 2   | 64 | 2 33/64" | 4,0 | -  | -      |

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

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)





## 4 mm HIOS direct drive (series 21)

4 mm

### 851/21 J bits



**Application:** Phillips screws  
**Drive:** HIOS 4 mm  
**Design:** Hard; size 0

|                           | +     | L <sup>+</sup><br>mm | L <sup>-</sup><br>mm             | ∅<br>mm |
|---------------------------|-------|----------------------|----------------------------------|---------|
| 05135280001 <sup>1)</sup> | PH 00 | 40                   | 1 <sup>9</sup> / <sub>16</sub> " | 1,8     |
| 05135281001 <sup>1)</sup> | PH 00 | 60                   | 2 <sup>3</sup> / <sub>8</sub> "  | 1,8     |
| 05135284001 <sup>2)</sup> | PH 0  | 40                   | 1 <sup>9</sup> / <sub>16</sub> " | 1,8     |
| 05135285001 <sup>2)</sup> | PH 0  | 60                   | 2 <sup>3</sup> / <sub>8</sub> "  | 1,8     |
| 05135286001 <sup>2)</sup> | PH 0  | 40                   | 1 <sup>9</sup> / <sub>16</sub> " | 2,0     |
| 05135287001 <sup>2)</sup> | PH 0  | 60                   | 2 <sup>3</sup> / <sub>8</sub> "  | 2,0     |
| 05135288001 <sup>2)</sup> | PH 0  | 40                   | 1 <sup>9</sup> / <sub>16</sub> " | 2,5     |
| 05135289001 <sup>2)</sup> | PH 0  | 60                   | 2 <sup>3</sup> / <sub>8</sub> "  | 2,5     |
| 05135290001               | PH 1  | 40                   | 1 <sup>9</sup> / <sub>16</sub> " | 3,0     |
| 05135291001               | PH 1  | 60                   | 2 <sup>3</sup> / <sub>8</sub> "  | 3,0     |

<sup>1)</sup> Size 00 modified according to JCIS 00 (Japanese Camera Industrial Standard)

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)



## 5 mm HIOS direct drive (series 22)

5 mm

### 851/22 J bits



**Application:** Phillips screws  
**Drive:** HIOS 5 mm  
**Design:** Hard

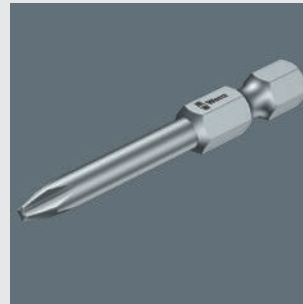
|                           | +     | L <sup>+</sup><br>mm | L <sup>-</sup><br>mm            | ∅<br>mm | L <sup>+</sup><br>mm | L <sup>-</sup><br>mm              |
|---------------------------|-------|----------------------|---------------------------------|---------|----------------------|-----------------------------------|
| 05135380001 <sup>1)</sup> | PH 00 | 60                   | 2 <sup>3</sup> / <sub>8</sub> " | 2,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135381001 <sup>2)</sup> | PH 0  | 60                   | 2 <sup>3</sup> / <sub>8</sub> " | 2,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135382001 <sup>2)</sup> | PH 0  | 80                   | 3 <sup>1</sup> / <sub>8</sub> " | 2,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135383001 <sup>2)</sup> | PH 0  | 60                   | 2 <sup>3</sup> / <sub>8</sub> " | 2,5     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135384001 <sup>2)</sup> | PH 0  | 80                   | 3 <sup>1</sup> / <sub>8</sub> " | 2,5     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135385001               | PH 1  | 60                   | 2 <sup>3</sup> / <sub>8</sub> " | 3,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135386001               | PH 1  | 80                   | 3 <sup>1</sup> / <sub>8</sub> " | 3,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |
| 05135387001               | PH 1  | 100                  | 4 "                             | 3,0     | 20                   | 25 <sup>1</sup> / <sub>32</sub> " |

<sup>1)</sup> Size 00 modified according to JCIS 00 (Japanese Camera Industrial Standard)

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## Tip

### Bits according to JCIS



J stands for Japan. Wera J bits have been optimised to suit Asian PH screws. In particular, JCIS bits are for use with very small dimensions as set out in the Japanese Camera Standard. Providing tools for these extremely small screws requires a high level of experience in the fields of material selection, manufacturing processes, and

quality control. Wera bits are manufactured with a high level of experience in the fields of material selection, manufacturing processes, and quality control and meet all the requirements of the specifications. The result: excellent fit in the screw recess and long service life.

### Vacuum heat treatment



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.

### Conventional hardening



Conventional hardening processes lead to intergranular corrosion and an uneven hardening process in the cross-section.

### Vacuum hardening



The vacuum hardening process achieves an even hardening pattern over the entire cross-section, thus avoiding embrittlement of the edge zones.



# 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:** Tough, for universal use

|             |  | <br>mm | <br>" | <br>mm |
|-------------|---|---|--|---|
| 05135200001 | TX 1  | 50  | 2"   | 2,0   |
| 05135201001 | TX 2  | 50  | 2"   | 2,0   |
| 05135202001 | TX 3  | 50  | 2"   | 2,0   |
| 05135204001 | TX 4  | 50  | 2"   | 3,0   |
| 05135205001 | TX 5  | 50  | 2"   | 3,0   |
| 05308428001 | TX 6  | 50  | 2"   | 3,0   |
| 05134740001 | TX 6  | 70  | 2 3/4"   | 3,0   |
| 05332600001 | TX 6  | 89  | 3 1/2"   | 3,0   |
| 05328448001 | TX 6  | 152   | 6"   | 3,0   |
| 05160830001 | TX 7  | 50  | 2"   | 3,0   |
| 05345047001 | TX 7  | 70  | 2 3/4"   | 3,0   |
| 05060131001 | TX 8  | 50  | 2"   | 3,0   |
| 05060098001 | TX 8  | 70  | 2 3/4"   | 3,0   |
| 05060185001 | TX 8  | 89  | 3 1/2"   | 3,0   |
| 05060195001 | TX 8  | 152   | 6"   | 3,0   |
| 05319835001 | TX 9  | 70  | 2 3/4"   | 3,0   |
| 05060193001 | TX 9  | 89  | 3 1/2"   | 3,0   |
| 05060194001 | TX 9  | 152   | 6"   | 3,0   |
| 05060132001 | TX 10   | 50  | 2"   | 4,0   |
| 05060100001 | TX 10   | 70  | 2 3/4"   | 4,0   |
| 05060186001 | TX 10   | 89  | 3 1/2"   | 4,0   |
| 05060196001 | TX 10   | 152   | 6"   | 4,0   |
| 05060133001 | TX 15   | 50  | 2"   | 4,0   |
| 05060105001 | TX 15   | 70  | 2 3/4"   | 4,0   |
| 05060187001 | TX 15   | 89  | 3 1/2"   | 4,0   |
| 05060197001 | TX 15   | 152   | 6"   | 4,0   |
| 05060134001 | TX 20   | 50  | 2"   | 4,5   |
| 05060110001 | TX 20   | 70  | 2 3/4"   | 4,5   |
| 05060188001 | TX 20   | 89  | 3 1/2"   | 4,5   |
| 05060198001 | TX 20   | 152   | 6"   | 4,5   |
| 05060135001 | TX 25   | 50  | 2"   | 6,0   |
| 05060115001 | TX 25   | 70  | 2 3/4"   | 6,0   |
| 05060189001 | TX 25   | 89  | 3 1/2"   | 6,0   |
| 05060199001 | TX 25   | 152   | 6"   | 6,0   |
| 05060136001 | TX 27   | 50  | 2"   | 6,0   |
| 05060120001 | TX 27   | 70  | 2 3/4"   | 6,0   |
| 05060190001 | TX 27   | 89  | 3 1/2"   | 6,0   |
| 05060200001 | TX 27   | 152   | 6"   | 6,0   |
| 05060137001 | TX 30   | 50  | 2"   | 6,0   |
| 05060125001 | TX 30   | 70  | 2 3/4"   | 6,0   |
| 05060191001 | TX 30   | 89  | 3 1/2"   | 6,0   |
| 05060201001 | TX 30   | 152   | 6"   | 6,0   |

|             |  | <br>mm | <br>" | <br>mm |
|-------------|--|---|--|---|
| 05060138001 | TX 40  | 50  | 2"   | -   |
| 05060130001 | TX 40  | 70  | 2 3/4"   | -   |
| 05060192001 | TX 40  | 89  | 3 1/2"   | -   |
| 05060202001 | TX 40  | 152   | 6"   | -   |




## 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

|             |  | <br>mm | <br>" |
|-------------|--|---|--|
| 05059700001 | TX 10  | 89  | 3 1/2"   |
| 05059701001 | TX 15  | 89  | 3 1/2"   |
| 05059702001 | TX 20  | 89  | 3 1/2"   |
| 05059703001 | TX 25  | 89  | 3 1/2"   |
| 05059704001 | TX 30  | 89  | 3 1/2"   |
| 05059705001 | TX 40  | 89  | 3 1/2"   |

## 867/4 H TORX® bits



**Application:** TORX® socket screws

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

**Design:** Extra-hard

|             |       | ℓ,<br>mm | ℓ,<br>" | ∅<br>mm |
|-------------|-------|----------|---------|---------|
| 05135170001 | TX 5  | 50       | 2"      | 3,0     |
| 05135171001 | TX 5  | 70       | 2 3/4"  | 3,0     |
| 05135172001 | TX 6  | 50       | 2"      | 3,0     |
| 05135180001 | TX 6  | 70       | 2 3/4"  | 3,0     |
| 05135174001 | TX 8  | 50       | 2"      | 3,0     |
| 05135182001 | TX 8  | 70       | 2 3/4"  | 3,0     |
| 05135176001 | TX 10 | 50       | 2"      | 4,0     |
| 05135184001 | TX 10 | 70       | 2 3/4"  | 4,0     |
| 05135185001 | TX 15 | 50       | 2"      | 4,0     |
| 05135186001 | TX 15 | 70       | 2 3/4"  | 4,0     |



## 4 mm Halfmoon direct drive (series 9)

4 mm

## 867/9 C TORX® bits, halfmoon



**Application:** TORX® socket screws

**Drive:** Halfmoon, 4 mm

**Design:** Precision hardened for sensitive applications

|             |       | ℓ,<br>mm | ℓ,<br>"  | ∅<br>mm |
|-------------|-------|----------|----------|---------|
| 05135220001 | TX 1  | 44       | 1 47/64" | 1,5     |
| 05135221001 | TX 2  | 44       | 1 47/64" | 1,5     |
| 05135222001 | TX 3  | 44       | 1 47/64" | 1,7     |
| 05345352001 | TX 4  | 44       | 1 47/64" | 1,8     |
| 05345018001 | TX 4  | 64       | 2 33/64" | 2,0     |
| 05345351001 | TX 5  | 44       | 1 47/64" | 3,0     |
| 05345032001 | TX 5  | 64       | 2 33/64" | 2,0     |
| 05314753001 | TX 5  | 70       | 2 3/4"   | 2,0     |
| 05345350001 | TX 6  | 44       | 1 47/64" | 3,0     |
| 05345056001 | TX 6  | 64       | 2 33/64" | 2,0     |
| 05332610001 | TX 6  | 70       | 2 3/4"   | 3,0     |
| 05345035001 | TX 7  | 64       | 2 33/64" | 2,3     |
| 05345026001 | TX 8  | 44       | 1 47/64" | 3,0     |
| 05345028001 | TX 8  | 64       | 2 33/64" | 3,0     |
| 05332609001 | TX 8  | 70       | 2 3/4"   | 3,0     |
| 05332607001 | TX 10 | 70       | 2 3/4"   | 3,0     |

## Tip

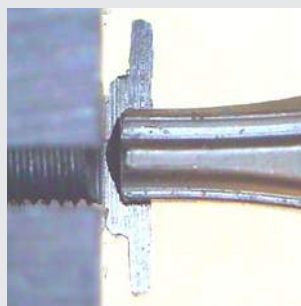


## TORX® ball tip



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.

## Optimized fit



Easy engagement of the bit tip into the screw recess and optimized fit of a licensed TORX® and TORX PLUS® bit ensure optimum performance and long lifespan of bits.



# Bits for TORX® Screws



4 mm HIOS direct drive (series 21)

4 mm

## 867/21 TORX® bits



**Application:** TORX® socket screws

**Drive:** HIOS 4 mm

**Design:** Precision hardened for sensitive applications

|                           |       | mm | "       | mm  | mm | "      |
|---------------------------|-------|----|---------|-----|----|--------|
| 05135400001 <sup>1)</sup> | TX 1  | 40 | 1 9/16" | 1,5 | 20 | 25/32" |
| 05135401001 <sup>1)</sup> | TX 2  | 40 | 1 9/16" | 1,5 | 20 | 25/32" |
| 05135402001 <sup>1)</sup> | TX 3  | 40 | 1 9/16" | 1,7 | 20 | 25/32" |
| 05135403001               | TX 4  | 40 | 1 9/16" | 1,8 | 20 | 25/32" |
| 05135404001               | TX 5  | 40 | 1 9/16" | 2,0 | 20 | 25/32" |
| 05135405001               | TX 6  | 40 | 1 9/16" | 2,0 | 20 | 25/32" |
| 05135406001               | TX 7  | 40 | 1 9/16" | 2,5 | 20 | 25/32" |
| 05135407001               | TX 8  | 40 | 1 9/16" | 3,0 | 20 | 25/32" |
| 05135408001               | TX 9  | 40 | 1 9/16" | 3,0 | 20 | 25/32" |
| 05135409001               | TX 10 | 40 | 1 9/16" | 3,0 | 20 | 25/32" |

<sup>1)</sup> Delivery on request.



5 mm HIOS direct drive (series 22)

5 mm

## 867/22 TORX® bits



**Application:** TORX® screws

**Drive:** HIOS 5 mm

**Design:** Tough, for universal use

|             |       | mm | "      | mm  | mm | "      |
|-------------|-------|----|--------|-----|----|--------|
| 05135420001 | TX 5  | 60 | 2 3/8" | 2,0 | 20 | 25/32" |
| 05135421001 | TX 6  | 60 | 2 3/8" | 2,5 | 20 | 25/32" |
| 05135422001 | TX 7  | 60 | 2 3/8" | 2,5 | 20 | 25/32" |
| 05135423001 | TX 8  | 60 | 2 3/8" | 3,0 | 20 | 25/32" |
| 05135424001 | TX 9  | 60 | 2 3/8" | 3,0 | 20 | 25/32" |
| 05135425001 | TX 10 | 60 | 2 3/8" | 3,0 | 20 | 25/32" |



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



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





## 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

|             |  | <br>mm | <br>mm | <br>mm |
|-------------|---|---|---|---|
| 05060139001 | TX 8  | 70  | 2 3/4"  | 3,0   |
| 05060048001 | TX 8  | 89  | 3 1/2"  | 3,0   |
| 05060049001 | TX 9  | 89  | 3 1/2"  | 3,0   |
| 05060140001 | TX 10   | 70  | 2 3/4"  | 4,0   |
| 05060050001 | TX 10   | 89  | 3 1/2"  | 4,0   |
| 05060141001 | TX 15   | 70  | 2 3/4"  | 4,0   |
| 05060051001 | TX 15   | 89  | 3 1/2"  | 4,0   |
| 05060142001 | TX 20   | 70  | 2 3/4"  | 4,5   |
| 05060052001 | TX 20   | 89  | 3 1/2"  | 4,5   |
| 05060143001 | TX 25   | 70  | 2 3/4"  | 6,0   |
| 05060053001 | TX 25   | 89  | 3 1/2"  | 6,0   |
| 05060144001 | TX 27   | 70  | 2 3/4"  | 6,0   |
| 05060057001 | TX 27   | 89  | 3 1/2"  | 6,0   |
| 05060145001 | TX 30   | 70  | 2 3/4"  | 6,0   |
| 05060054001 | TX 30   | 89  | 3 1/2"  | 6,0   |
| 05060146001 | TX 40   | 70  | 2 3/4"  | -   |
| 05060056001 | TX 40   | 89  | 3 1/2"  | -   |



# Bits for TORX PLUS® Screws



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



4 mm Halfmoon direct drive (series 9)

## 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

|             |       | mm  | mm     | mm  |
|-------------|-------|-----|--------|-----|
| 05134664001 | 1 IP  | 50  | 2"     | 2,0 |
| 05134665001 | 2 IP  | 50  | 2"     | 2,0 |
| 05134668001 | 3 IP  | 50  | 2"     | 2,0 |
| 05134691001 | 4 IP  | 50  | 2"     | 3,0 |
| 05134678001 | 5 IP  | 50  | 2"     | 3,0 |
| 05134680001 | 6 IP  | 50  | 2"     | 3,0 |
| 05134667001 | 6 IP  | 89  | 3 1/2" | 3,0 |
| 05134690001 | 6 IP  | 152 | 6"     | 3,0 |
| 05134681001 | 7 IP  | 50  | 2"     | 3,0 |
| 05134679001 | 8 IP  | 50  | 2"     | 3,0 |
| 05134670001 | 8 IP  | 89  | 3 1/2" | 3,0 |
| 05134682001 | 8 IP  | 152 | 6"     | 3,0 |
| 05160917001 | 9 IP  | 50  | 2"     | 3,0 |
| 05134669001 | 9 IP  | 89  | 3 1/2" | 3,0 |
| 05134683001 | 10 IP | 50  | 2"     | 4,0 |
| 05134684001 | 10 IP | 70  | 2 3/4" | 4,0 |
| 05134671001 | 10 IP | 89  | 3 1/2" | 4,0 |
| 05134685001 | 15 IP | 50  | 2"     | 4,0 |
| 05134686001 | 15 IP | 70  | 2 3/4" | 4,0 |
| 05134672001 | 15 IP | 89  | 3 1/2" | 4,0 |
| 05134687001 | 20 IP | 50  | 2"     | 4,5 |
| 05134688001 | 20 IP | 70  | 2 3/4" | 4,5 |
| 05134673001 | 20 IP | 89  | 3 1/2" | 4,5 |
| 05134674001 | 25 IP | 89  | 3 1/2" | 6,0 |
| 05134675001 | 27 IP | 89  | 3 1/2" | 6,0 |
| 05320430001 | 30 IP | 50  | 2"     | 6,0 |
| 05134676001 | 30 IP | 89  | 3 1/2" | 6,0 |
| 05134677001 | 40 IP | 89  | 3 1/2" | -   |

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



**Application:** TORX PLUS® screws

**Drive:** Halfmoon, 4 mm

**Design:** Precision hardened for sensitive applications

|             |       | mm | mm       | mm   | mm | mm     |
|-------------|-------|----|----------|------|----|--------|
| 05135230001 | 1 IP  | 44 | 1 47/64" | 1,5  | 20 | 25/32" |
| 05300030001 | 1 IP  | 64 | 2 33/64" | 1,5  | 20 | 25/32" |
| 05135231001 | 2 IP  | 44 | 1 47/64" | 1,5  | 20 | 25/32" |
| 05135232001 | 3 IP  | 44 | 1 47/64" | 1,7  | 20 | 25/32" |
| 05300031001 | 3 IP  | 64 | 2 33/64" | 1,7  | 20 | 25/32" |
| 05326310001 | 4 IP  | 44 | 1 47/64" | 2,0  | 20 | 25/32" |
| 05345019001 | 4 IP  | 64 | 2 33/64" | 2,0  | 20 | 25/32" |
| 05135233001 | 5 IP  | 44 | 1 47/64" | 2,0  | 20 | 25/32" |
| 05332612001 | 5 IP  | 70 | 2 3/4"   | 3,0  | 20 | 25/32" |
| 05344900001 | 6 IP  | 44 | 1 47/64" | 2,25 | 20 | 25/32" |
| 05345081001 | 6 IP  | 64 | 2 33/64" | 2,0  | 20 | 25/32" |
| 05135234001 | 8 IP  | 44 | 1 47/64" | 3,0  | 20 | 25/32" |
| 05332606001 | 8 IP  | 70 | 2 3/4"   | 3,0  | 20 | 25/32" |
| 05135235001 | 10 IP | 44 | 1 47/64" | 3,0  | 20 | 25/32" |



## 4 mm HIOS direct drive (series 21)

4 mm

### 867/21 IP TORX PLUS® bits



**Application:** TORX PLUS® screws

**Drive:** HIOS 4 mm

**Design:** Precision hardened for sensitive applications

|                           |       | mm | mm      | mm  | mm | mm     |
|---------------------------|-------|----|---------|-----|----|--------|
| 05135430001 <sup>1)</sup> | 1 IP  | 40 | 1 9/16" | 1,5 | 20 | 25/32" |
| 05135431001 <sup>1)</sup> | 2 IP  | 40 | 1 9/16" | 1,5 | 20 | 25/32" |
| 05135432001 <sup>1)</sup> | 3 IP  | 40 | 1 9/16" | 1,7 | 20 | 25/32" |
| 05302402001               | 4 IP  | 40 | 1 9/16" | 1,8 | 20 | 25/32" |
| 05302403001               | 5 IP  | 40 | 1 9/16" | 2,0 | 20 | 25/32" |
| 05302400001               | 6 IP  | 40 | 1 9/16" | 2,0 | 20 | 25/32" |
| 05135433001               | 7 IP  | 40 | 1 9/16" | 2,5 | 20 | 25/32" |
| 05135434001               | 8 IP  | 40 | 1 9/16" | 3,0 | 20 | 25/32" |
| 05135435001               | 9 IP  | 40 | 1 9/16" | 3,0 | 20 | 25/32" |
| 05135436001               | 10 IP | 40 | 1 9/16" | 3,0 | 20 | 25/32" |

<sup>1)</sup> Delivery on request.



## 5 mm HIOS direct drive (series 22)

5 mm

### 867/22 IP TORX PLUS® bits



**Application:** TORX PLUS® screws

**Drive:** HIOS 5 mm

**Design:** Precision hardened for sensitive applications

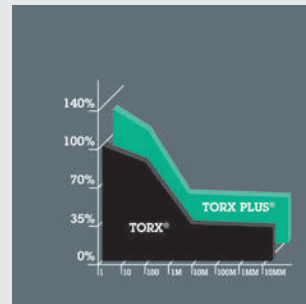
|             |       | mm | mm     | mm  | mm | mm     |
|-------------|-------|----|--------|-----|----|--------|
| 05135440001 | 5 IP  | 60 | 2 3/8" | 2,0 | 20 | 25/32" |
| 05344280001 | 6 IP  | 60 | 2 3/8" | 2,5 | 20 | 25/32" |
| 05135441001 | 7 IP  | 60 | 2 3/8" | 2,5 | 20 | 25/32" |
| 05134500001 | 8 IP  | 60 | 2 3/8" | 3,0 | 20 | 25/32" |
| 05344281001 | 8 IP  | 80 | 3 1/8" | 3,0 | 20 | 25/32" |
| 05135442001 | 9 IP  | 60 | 2 3/8" | 3,0 | 20 | 25/32" |
| 05135443001 | 10 IP | 60 | 2 3/8" | 3,0 | 20 | 25/32" |
| 05344282001 | 10 IP | 80 | 3 1/8" | 3,0 | 20 | 25/32" |

## Tip

### TORX PLUS®



Compared with the "normal" TORX® profile, the elliptical instead of circular profile enlarges the 6 flanks that transfer torque between the tool and the screw. This means that the force applied when screwdriving is spread across a larger surface area.



Higher torque is transferred and, in addition, the service life of the screw and tool are lengthened. The so-called centre-lock screws on cutting tools represent a typical use of this type of screw profile. The thermal influences on such holders for carbide insert tips often "bake" the retaining screws so firmly that it is important to have a profile that considerably enhances the loosening torque capability of the screws. For this reason a torque-stable screw profile is necessary to avoid any possible damage to the screw and to exclude the possibility of an otherwise costly machine downtime.



# Bits for Tamper-proof TORX PLUS® IPR Screws



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

|                           |  | <br>mm | <br>mm | <br>mm |
|---------------------------|---|---|---|---|
| 05134600001 <sup>1)</sup> | 1 IPR   | 50  | 2"  | 2,0   |
| 05134601001 <sup>1)</sup> | 3 IPR   | 50  | 2"  | 2,0   |
| 05134602001 <sup>1)</sup> | 5 IPR   | 50  | 2"  | 3,0   |
| 05134603001 <sup>1)</sup> | 6 IPR   | 50  | 2"  | 3,0   |
| 05134604001               | 8 IPR   | 50  | 2"  | 3,0   |
| 05160821001               | 10 IPR  | 50  | 2"  | 4,0   |
| 05134657001               | 10 IPR  | 89  | 3 1/2"  | 4,0   |
| 05134654001               | 15 IPR  | 50  | 2"  | 4,0   |
| 05134720001               | 15 IPR  | 89  | 3 1/2"  | 4,0   |
| 05204126001               | 20 IPR  | 50  | 2"  | 4,5   |
| 05259135001               | 20 IPR  | 89  | 3 1/2"  | 4,5   |
| 05134655001               | 25 IPR  | 50  | 2"  | 6,0   |
| 05134722001               | 25 IPR  | 89  | 3 1/2"  | 6,0   |
| 05134656001               | 27 IPR  | 50  | 2"  | 6,0   |
| 05134658001               | 27 IPR  | 89  | 3 1/2"  | 6,0   |
| 05134732001               | 30 IPR  | 50  | 2"  | 6,0   |
| 05134723001               | 30 IPR  | 89  | 3 1/2"  | 6,0   |

<sup>1)</sup> Without bore hole





## 4 mm Halfmoon direct drive (series 9)

4 mm

### 867/9 IPR TORX PLUS® bits



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

**Drive:** Halfmoon, 4 mm

**Design:** Tough, for universal use

|                           |       | <br>mm | <br>mm   | <br>mm |
|---------------------------|-------|--------|----------|--------|
| 05200495001 <sup>1)</sup> | 1 IPR | 44     | 1 47/64" | 1,5    |
| 05060380001 <sup>1)</sup> | 1 IPR | 44     | 1 47/64" | 1,8    |
| 05135226001 <sup>1)</sup> | 1 IPR | 64     | 2 33/64" | 1,5    |
| 05135228001 <sup>1)</sup> | 3 IPR | 44     | 1 47/64" | 1,8    |
| 05135229001 <sup>1)</sup> | 3 IPR | 64     | 2 33/64" | 1,8    |

<sup>1)</sup> Without bore hole



## 4 mm HIOS direct drive (series 21)

4 mm

### 867/21 IPR TORX PLUS® bits



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

**Drive:** HIOS 4 mm

**Design:** Tough, for universal use

|                           |       | <br>mm | <br>mm   | <br>mm |
|---------------------------|-------|--------|----------|--------|
| 05300025001 <sup>1)</sup> | 1 IPR | 40     | 1 37/64" | 1,8    |
| 05300037001 <sup>1)</sup> | 1 IPR | 60     | 2 3/8"   | 1,8    |

<sup>1)</sup> Without bore hole

## Tip

### TORX PLUS® and TORX PLUS® IPR



The six lobes of the TORX PLUS® screw and tool are more square to allow for higher torque to be transferred and to minimize wear. TORX PLUS® drivers will not fit into standard TORX® screws.



TORX PLUS® IPR has five lobes instead of six. A post in the center (from 8 IPR) make this profile a tamper-resistant version.



The tamper-resistant TORX PLUS® IPR system security in the field along with all assembly benefits of the TORX PLUS® system.



# Bits for Microstix® Screws



4 mm Halfmoon direct drive (series 9)

4 mm





## 872/9 bits for Microstix® screws



**Application:** Microstix® socket screws

**Drive:** Halfmoon, 4 mm

**Design:** Precision hardened for sensitive applications

|             |  | <br>mm | <br>mm |  |
|-------------|---|---|---|---|
| 05066850001 | m   | 44  | 2,0   | 1 <sup>47</sup> / <sub>64</sub> "   |
| 05066851001 | 00  | 44  | 2,0   | 1 <sup>47</sup> / <sub>64</sub> "   |
| 05066852001 | F   | 44  | 2,0   | 1 <sup>47</sup> / <sub>64</sub> "   |
| 05066853001 | 0   | 44  | 2,0   | 1 <sup>47</sup> / <sub>64</sub> "   |
| 05066854001 | 1   | 44  | 2,0   | 1 <sup>47</sup> / <sub>64</sub> "   |



4 mm HIOS direct drive (series 21)

4 mm





## 872/21 bits for Microstix® screws



**Application:** Microstix® socket screws

**Drive:** HIOS 4 mm

**Design:** Precision hardened for sensitive applications

|             |  | <br>mm | <br>mm |  |
|-------------|---|---|---|---|
| 05066860001 | m   | 40  | 2,0   | 1 <sup>9</sup> / <sub>16</sub> "  |
| 05066861001 | 00  | 40  | 2,0   | 1 <sup>9</sup> / <sub>16</sub> "  |
| 05066862001 | F   | 40  | 2,0   | 1 <sup>9</sup> / <sub>16</sub> "  |
| 05066863001 | 0   | 40  | 2,0   | 1 <sup>9</sup> / <sub>16</sub> "  |
| 05066864001 | 1   | 40  | 2,0   | 1 <sup>9</sup> / <sub>16</sub> "  |



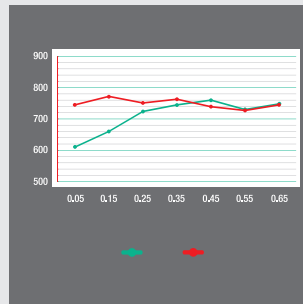
# Tip

## Vacuum heat treatment



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.

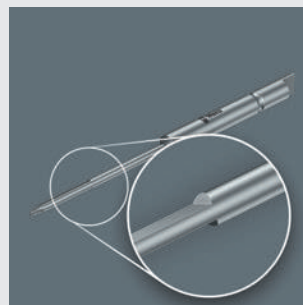
## Standard heat treatment versus vacuum heat treatment



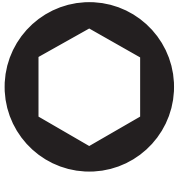
Standard heat treatment results in surface oxidation and an uneven hardness distribution throughout the cross section of the material (blue line).

Vacuum heat treatment eliminates these effects and results in an even hardness throughout the entire cross section (red line).

## Two-Flat Bits



Special feature available on request. For screw tightening robots and automatic machines using air suction nozzles.



# Bits for Hexagon Socket Screws



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

## 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

|             | mm    | mm  | mm     | mm  | mm |
|-------------|-------|-----|--------|-----|----|
| 05160885001 | 0,9   | 50  | 2"     | 2,6 |    |
| 05059602001 | 1,5   | 50  | 2"     | 2,0 |    |
| 05059603001 | 2,0   | 50  | 2"     | 4,0 |    |
| 05059628001 | 2,0   | 89  | 3 1/2" | 4,0 |    |
| 05059604001 | 2,5   | 50  | 2"     | 4,0 |    |
| 05059629001 | 2,5   | 89  | 3 1/2" | 4,0 |    |
| 05059605001 | 3,0   | 50  | 2"     | 4,0 |    |
| 05059630001 | 3,0   | 89  | 3 1/2" | 4,0 |    |
| 05380033001 | 3,0   | 152 | 6"     | 4,0 |    |
| 05059610001 | 4,0   | 50  | 2"     | 5,0 |    |
| 05059631001 | 4,0   | 89  | 3 1/2" | 5,0 |    |
| 05059634001 | 4,0   | 152 | 6"     | 5,0 |    |
| 05059615001 | 5,0   | 50  | 2"     | 6,0 |    |
| 05059632001 | 5,0   | 89  | 3 1/2" | 6,0 |    |
| 05059635001 | 5,0   | 152 | 6"     | 6,0 |    |
| 05059620001 | 6,0   | 50  | 2"     | 5,0 |    |
| 05059633001 | 6,0   | 89  | 3 1/2" | -   |    |
| 05059636001 | 6,0   | 152 | 6"     | -   |    |
| 05059625001 | 8,0   | 50  | 2"     | -   |    |
| 05350430001 | 0,05" | 50  | 2"     | 2,5 |    |
| 05135090001 | 1/16" | 50  | 2"     | 2,5 |    |
| 05380045001 | 1/8"  | 152 | 6"     | 4,0 |    |
| 05135091001 | 5/64" | 50  | 2"     | 3,0 |    |
| 05059660001 | 5/64" | 89  | 3 1/2" | 3,0 |    |
| 05135092001 | 3/32" | 50  | 2"     | 3,0 |    |
| 05059661001 | 3/32" | 89  | 3 1/2" | 3,5 |    |
| 05135093001 | 7/64" | 50  | 2"     | 3,5 |    |
| 05059662001 | 7/64" | 89  | 3 1/2" | 4,0 |    |
| 05135094001 | 1/8"  | 50  | 2"     | 4,0 |    |
| 05059663001 | 1/8"  | 89  | 3 1/2" | 4,0 |    |
| 05135095001 | 9/64" | 50  | 2"     | 4,5 |    |
| 05059664001 | 9/64" | 89  | 3 1/2" | 4,5 |    |
| 05380046001 | 9/64" | 152 | 6"     | 4,5 |    |
| 05135096001 | 5/32" | 50  | 2"     | 5,0 |    |
| 05059665001 | 5/32" | 89  | 3 1/2" | 5,0 |    |
| 05380047001 | 5/32" | 152 | 6"     | 5,0 |    |
| 05135097001 | 3/16" | 50  | 2"     | 6,0 |    |
| 05059666001 | 3/16" | 89  | 3 1/2" | 6,0 |    |

|             | mm | mm    | mm  | mm     | mm  |
|-------------|----|-------|-----|--------|-----|
| 05380048001 |    | 3/16" | 152 | 6"     | 6,0 |
| 05135098001 |    | 7/32" | 50  | 2"     | -   |
| 05059667001 |    | 7/32" | 89  | 3 1/2" | -   |
| 05380049001 |    | 7/32" | 152 | 6"     | -   |
| 05135099001 |    | 1/4"  | 50  | 2"     | -   |
| 05059668001 |    | 1/4"  | 89  | 3 1/2" | -   |
| 05380050001 |    | 1/4"  | 152 | 6"     | -   |
| 05346288001 |    | 5/16" | 50  | 2"     | -   |

## 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

|             | mm  | mm    | mm     | mm     |
|-------------|-----|-------|--------|--------|
| 05059680001 | 3,0 | 89    | 3 1/2" |        |
| 05059681001 | 4,0 | 89    | 3 1/2" |        |
| 05059682001 | 5,0 | 89    | 3 1/2" |        |
| 05059683001 | 6,0 | 89    | 3 1/2" |        |
| 05380124001 |     | 3/32" | 89     | 3 1/2" |
| 05380125001 |     | 7/64" | 89     | 3 1/2" |
| 05380126001 |     | 1/8"  | 89     | 3 1/2" |
| 05380127001 |     | 9/64" | 89     | 3 1/2" |
| 05380128001 |     | 5/32" | 89     | 3 1/2" |
| 05380129001 |     | 3/16" | 89     | 3 1/2" |
| 05380130001 |     | 7/32" | 89     | 3 1/2" |
| 05380131001 |     | 1/4"  | 89     | 3 1/2" |



## 4 mm Halfmoon direct drive (series 9)

4 mm

### 840/9 C bits Hex-Plus



**Application:** Hexagon socket screws

**Drive:** Halfmoon, 4 mm

**Design:** Hard

|             | mm  | mm | $1 \frac{47}{64}$ " | mm  |
|-------------|-----|----|---------------------|-----|
| 05135268001 | 1,5 | 44 | $1 \frac{47}{64}$ " | 2,6 |
| 05135269001 | 2,0 | 44 | $1 \frac{47}{64}$ " | 2,6 |

## Tip



### 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!



### 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.



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



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





## 840/4 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-F 6.3 bit holders

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

|             | <br>mm | <br>mm | <br>3 1/2"<br>mm | <br>mm |
|-------------|---|---|---|---|
| 05059640001 | 2,0   | 89  | 3 1/2"  | 4,0   |
| 05059641001 | 2,5   | 89  | 3 1/2"  | 4,0   |
| 05059642001 | 3,0   | 89  | 3 1/2"  | 4,0   |
| 05059643001 | 4,0   | 89  | 3 1/2"  | 5,0   |
| 05059644001 | 5,0   | 89  | 3 1/2"  | 6,0   |
| 05059645001 | 6,0   | 89  | 3 1/2"  | -   |



# Nutsetters



4 mm Halfmoon direct drive (series 9)

4 mm




## 869/9 Nutsetters



**Application:** Hexagon headed bolts, screws and nuts

**Drive:** Halfmoon, 4 mm

**Design:** Non-magnetic

|             | <br>mm | <br>mm | <br>mm |
|-------------|---|---|---|
| 05135224001 | 2,5   | 44,0  | 5,0   |
| 05135225001 | 3,0   | 44,0  | 5,0   |

# Universal Bit Holder with Quick-Release Chuck

## Secure hold and rapid bit changes





### 898/4 Combination Bit Holder



**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

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

|             | <br>mm | <br>mm | <br>1/4" | <br>mm |
|-------------|---|---|---|---|
| 05051500001 | 50  | 2"  | 1/4"  | 10,0  |




### 898/9 Combination Bit Holder



**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

**Drive:** Halfmoon, 4 mm

|             | <br>mm | <br>mm | <br>mm |
|-------------|---|---|---|
| 05051501001 | 50  | 2"  | 10,0  |



## 898/21 Combination Bit Holder



**Application:** Suitable for bits with 4 mm Halfmoon drive (and Wera Serie 9) and 4 mm HIOS drive (and Wera Series 21)

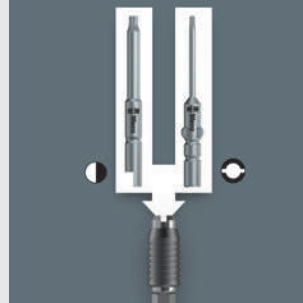
**Design:** With quick-release chuck

**Drive:** HIOS 4 mm

|             | <br>mm | <br>mm | <br>mm |
|-------------|---|---|---|
| 05051502001 | 50  | 2"  | 10,0  |

## Tip

### For Halfmoon and HIOS Bits



Combination bitholders for both bits with Halfmoon and bits with HIOS drive.



# ESD Tools



# Series 7400 Kraftform Torque Screwdrivers Variable torque adjustment models

## 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, audible excess-load signal

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

|                           | Art.No.  | Nm        | Nm     | mm  |         |
|---------------------------|----------|-----------|--------|-----|---------|
| 05074802001 <sup>1)</sup> | 1430 ESD | 0,02-0,06 | 0,0025 | 141 | 5 7/16" |
| 05074804001 <sup>1)</sup> | 1431 ESD | 0,05-0,11 | 0,005  | 141 | 5 7/16" |

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

## 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, audible excess-load signal

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

|                           | Art.No.  | Nm        | Nm    | mm  |         |
|---------------------------|----------|-----------|-------|-----|---------|
| 05074786001 <sup>1)</sup> | 7435 ESD | 0,10-0,34 | 0,015 | 142 | 5 7/16" |
| 05074788001 <sup>1)</sup> | 7436 ESD | 0,30-1,00 | 0,05  | 142 | 5 7/16" |

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

## Series 7400 Kraftform ESD 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, non-magnetic

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale, audible excess-load signal

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

|                           | Art.No.  |      | Nm        | Nm    | mm  |         |
|---------------------------|----------|------|-----------|-------|-----|---------|
| 05074780001 <sup>1)</sup> | 7430 ESD | 1/4" | 0,10-0,34 | 0,015 | 142 | 5 7/16" |
| 05074782001 <sup>1)</sup> | 7431 ESD | 1/4" | 0,30-1,00 | 0,05  | 142 | 5 7/16" |
| 05074784001 <sup>1)</sup> | 7432 ESD | 1/4" | 0,90-1,50 | 0,05  | 142 | 5 7/16" |
| 05074730001               | 7440 ESD | 1/4" | 0,3-1,2   | 0,05  | 155 | 6"      |
| 05074731001               | 7441 ESD | 1/4" | 1,2-3,0   | 0,10  | 155 | 6"      |

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

For more torque tools see pages 40-45.

All Wera torque tools manufactured according to DIN EN ISO 6789 are supplied with a calibration certificate. 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](mailto:torqueservice@wera.de).

**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, audible excess-load signal

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

|             | Art.No.  |  |  |  |  |  |
|-------------|----------|---|---|---|---|---|
|             |          | in. lbs.  | in. lbs.  | mm  |   |   |
| 05074733001 | 7445 ESD | 1/4"  | 2,5-11,5  | 0,5   | 155   | 6"  |
| 05074734001 | 7446 ESD | 1/4"  | 11,0-29,0   | 1,0   | 155   | 6"  |

# Tip

## ESD-safe tools



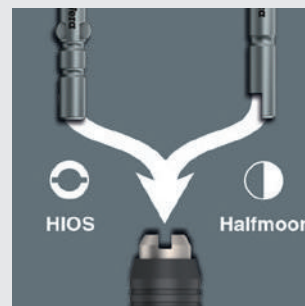
The requirements for ESD-safe screwdrivers are specified in the European standard DIN EN 61340-5-1. This standard also includes a handle that has to be out of a defined conductive material. The Wera products in the ESD series satisfy these standards and the even more stringent requirements demanded by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

## 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.

## 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.

# Series 7400 Kraftform Torque Screwdrivers

## Pre-set, adjustable torque models

### 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

**Pre-set torque:** 0.035 Nm, 0.05 Nm

**Accuracy:** ± 10%. Audible excess-load signal

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

|                           | Art.No.  | Nm    | Nm        | mm  | mm     |
|---------------------------|----------|-------|-----------|-----|--------|
| 05074800001               | 1460 ESD | 0,035 | 0,02-0,06 | 131 | 5 1/4" |
| 05074800010 <sup>1)</sup> | 1460 ESD | 0,035 | 0,02-0,06 | 131 | 5 1/4" |
| 05074810001               | 1461 ESD | 0,050 | 0,05-0,11 | 131 | 5 1/4" |
| 05074810010 <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

### Serie 7400 ESD 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:** ± 6% (DIN EN ISO 6789). Audible excess-load signal

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

|                           | Art.No.  | mm | Nm    | Nm       | mm  | mm     |
|---------------------------|----------|----|-------|----------|-----|--------|
| 05074826001               | 7455 ESD | 89 | 0,015 | 0,1-0,34 | 138 | 5 1/4" |
| 05074826010 <sup>1)</sup> | 7455 ESD | 89 | 0,015 | 0,1-0,34 | 138 | 5 1/4" |
| 05074828001               | 7456 ESD | 89 | 0,035 | 0,3-1,0  | 138 | 5 1/4" |
| 05074828010 <sup>1)</sup> | 7456 ESD | 89 | 0,035 | 0,3-1,0  | 138 | 5 1/4" |

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

## Serie 7400 Kraffform ESD pre-set adjustable torque screwdrivers (0.1-1.2 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

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

**Accuracy:** ± 6% (DIN EN ISO 6789). Audible excess-load signal

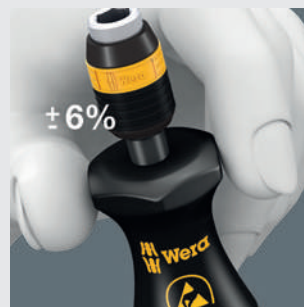
**Handle:** Kraffform with non-roll feature, multi-component

|  | Art.No.                   | mm       | mm  | Nm   | Nm  | mm       | mm  |        |
|--|---------------------------|----------|-----|------|-----|----------|-----|--------|
|  | 05074820001               | 7450 ESD | 89  | 1/4" | 0,1 | 0,1-0,34 | 133 | 5 1/4" |
|  | 05074820010 <sup>1)</sup> | 7450 ESD | 89  | 1/4" | 0,1 | 0,1-0,34 | 133 | 5 1/4" |
|  | 05074822001               | 7451 ESD | 89  | 1/4" | 0,3 | 0,3-1,0  | 133 | 5 1/4" |
|  | 05074822010 <sup>1)</sup> | 7451 ESD | 89  | 1/4" | 0,3 | 0,3-1,0  | 133 | 5 1/4" |
|  | 05074824001               | 7452 ESD | 89  | 1/4" | 0,9 | 0,9-1,5  | 133 | 5 1/4" |
|  | 05074824010 <sup>1)</sup> | 7452 ESD | 89  | 1/4" | 0,9 | 0,9-1,5  | 133 | 5 1/4" |
|  | 05074840001               | 7460 ESD | 105 | 1/4" | 0,3 | 0,3-1,2  | 155 | 6"     |
|  | 05074840010 <sup>1)</sup> | 7460 ESD | 105 | 1/4" | 0,3 | 0,3-1,2  | 133 | 6"     |
|  | 05074842001               | 7461 ESD | 105 | 1/4" | 1,2 | 1,2-3,0  | 155 | 6"     |
|  | 05074842010 <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

### Kraffform pre-set adjustable torque screwdrivers

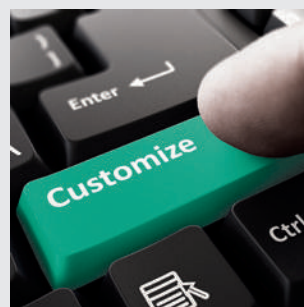


These torque screwdrivers are supplied with a fixed pre-set torque value.

This is ideal for all applications that require constant, identical torque. They feature a pre-set torque range of 0.035 Nm to 4.0 Nm (adjustable between 0.02 Nm – 8.8 Nm), two different handles, measurement accuracy of ± 6 % (± 10 %) and

Rapidaptor chuck technology for rapid bit change.

### Customized pre-setting



The pre-set torque screwdrivers of the Kraffform 7400 series including articles 1460 and 1461 can be individually pre-set within the specified adjustable range.

# ESD Series

## ESD-safe tools

### 1578 A Kraftform Micro screwdriver for slotted screws



**Application:** Slotted screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm   | mm  | mm | mm | mm  | mm    | mm      | mm |
|-------------|------|-----|----|----|-----|-------|---------|----|
| 05030101001 | 0,23 | 1,5 | 40 | 97 | 2,5 | 1/16" | 1 9/16" |    |
| 05030100001 | 0,25 | 1,2 | 40 | 97 | 2,5 | 0,05" | 1 9/16" |    |
| 05030102001 | 0,30 | 1,8 | 60 | 97 | 2,5 | 0,07" | 2 3/8"  |    |
| 05030108001 | 0,35 | 2,5 | 40 | 97 | 2,5 | 3/32" | 1 9/16" |    |
| 05030103001 | 0,40 | 2,0 | 60 | 97 | 2,5 | 5/64" | 2 3/8"  |    |
| 05030104001 | 0,40 | 2,5 | 80 | 97 | 2,5 | 3/32" | 3 1/8"  |    |
| 05030105001 | 0,50 | 3,0 | 80 | 97 | 3,0 | 1/8"  | 3 1/8"  |    |
| 05030106001 | 0,60 | 3,5 | 80 | 97 | 4,0 | 9/64" | 3 1/8"  |    |
| 05030107001 | 0,80 | 4,0 | 80 | 97 | 4,0 | 5/32" | 3 1/8"  |    |

### 1550 PH Kraftform Micro screwdriver for Phillips screws



**Application:** Phillips screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|                           | +      | mm | mm | mm      | mm      |
|---------------------------|--------|----|----|---------|---------|
| 05030117001 <sup>1)</sup> | PH 000 | 40 | 97 | 1,5/2,5 | 1 9/16" |
| 05030118001 <sup>1)</sup> | PH 00  | 40 | 97 | 1,8/2,5 | 1 9/16" |
| 05030110001 <sup>2)</sup> | PH 00  | 60 | 97 | 1,8/2,5 | 2 3/8"  |
| 05030119001 <sup>3)</sup> | PH 0   | 40 | 97 | 3,0     | 1 9/16" |
| 05030111001 <sup>3)</sup> | PH 0   | 60 | 97 | 3,0     | 2 3/8"  |
| 05030112001               | PH 1   | 80 | 97 | 4,0     | 3 1/8"  |

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

<sup>2)</sup> On the output side, the blade is turned to a nominal length of 10 mm.

<sup>3)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

### 1555 PZ Kraftform Micro screwdriver for Pozidriv screws



**Application:** Suitable for Pozidriv screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | +    | mm | mm | mm  | mm     |
|-------------|------|----|----|-----|--------|
| 05030115001 | PZ 0 | 60 | 97 | 3,0 | 2 3/8" |
| 05030116001 | PZ 1 | 80 | 97 | 4,0 | 3 1/8" |

### 1567 TORX® Kraftform Micro screwdriver for TORX® screws



**Application:** TORX® socket screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | +    | mm | mm | mm  | mm      |
|-------------|------|----|----|-----|---------|
| 05030120001 | TX 4 | 40 | 97 | 2,5 | 1 9/16" |
| 05030121001 | TX 5 | 40 | 97 | 3,0 | 1 9/16" |
| 05030122001 | TX 6 | 40 | 97 | 3,0 | 1 9/16" |



## 1567 TORX® HF Kraffform Micro screwdriver with holding function for TORX® screws



- Application:** TORX® socket screws  
**Blade:** Round  
**Design:** Holding function for TORX® screws made according to Acument Intellectual Properties specifications, chrome-plated, Black Point  
**Handle:** Kraffform Micro with non-roll feature and rotating cap, multi-component

|             |       | mm | mm | mm  | "       |
|-------------|-------|----|----|-----|---------|
| 05030400001 | TX 4  | 40 | 97 | 2,5 | 1 9/16" |
| 05030401001 | TX 5  | 40 | 97 | 3,0 | 1 9/16" |
| 05030402001 | TX 6  | 40 | 97 | 3,0 | 1 9/16" |
| 05030403001 | TX 7  | 60 | 97 | 3,0 | 2 3/8"  |
| 05030404001 | TX 8  | 60 | 97 | 3,0 | 2 3/8"  |
| 05030405001 | TX 9  | 60 | 97 | 4,0 | 2 3/8"  |
| 05030406001 | TX 10 | 60 | 97 | 4,0 | 2 3/8"  |

## 1567 TORX® BO Screwdriver for tamper-proof TORX® screws



- Application:** TORX® socket screws with safety pin (BO = with bore hole)  
**Blade:** Round  
**Design:** Bore hole in TORX® section, chrome-plated, Black Point  
**Handle:** Kraffform with non-roll feature, single-component

|             |       | mm  | mm | mm  | "       |
|-------------|-------|-----|----|-----|---------|
| 05030131001 | TX 10 | 80  | 81 | 4,0 | 3 1/8"  |
| 05030127001 | TX 15 | 80  | 98 | 4,0 | 3 1/8"  |
| 05030128001 | TX 20 | 100 | 98 | 4,5 | 4"      |
| 05030129001 | TX 25 | 100 | 98 | 5,0 | 4"      |
| 05030130001 | TX 30 | 115 | 98 | 6,0 | 4 9/16" |

## Tip

### Rotating cap and fast-turning zone



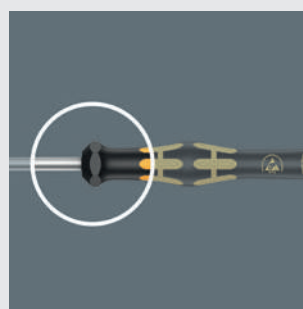
The fast-turning zone just below the rotating cap allow rapid twisting. This makes time-consuming grip adjustments as with other conventional precision screwdrivers unnecessary.

### The power zone



The power zone has integrated soft zones near the blade tip to ensure high torque transfer for loosening or tightening screws without losing contact with the screw.

### The precision zone



The precision zone directly above the blade gives the user a better feel for the right rotation angle during fine adjustment work.

# ESD Series

## ESD-safe tools

### 1572 ESD Kraftform Micro screwdriver for Microstix® screws



**Application:** Microstix® socket screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             |    | mm | mm | mm  | "       |
|-------------|----|----|----|-----|---------|
| 05030080001 | m  | 40 | 97 | 2,5 | 1 9/16" |
| 05030081001 | 00 | 40 | 97 | 2,5 | 1 9/16" |
| 05030082001 | F  | 40 | 97 | 2,5 | 1 9/16" |
| 05030083001 | 0  | 40 | 97 | 2,5 | 1 9/16" |
| 05030084001 | 1  | 40 | 97 | 2,5 | 1 9/16" |

### 1578 A/6 ESD Screwdriver set and rack for electronic applications



**Application:** Slotted and Phillips screws  
**Content:** 6-piece set and rack in display carton

| 05030170001 |   |
|-------------|---|
|             | 1550 PH Micro 1 x PH 0x60 <sup>1)</sup> ; 1 x PH 1x80                           |
|             | 1578 A Micro 1 x 0,23x1,5x40; 1 x 0,25x1,2x40; 1 x 0,30x1,8x60; 1 x 0,40x2,5x80 |

<sup>1)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

### 1569 ESD Nutdriver



**Application:** Hexagon headed bolts, screws and nuts  
**Blade:** Round  
**Design:** Chrome-plated  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             |     | mm | mm | mm  | "      |
|-------------|-----|----|----|-----|--------|
| 05030410001 | 1,5 | 60 | 97 | 5,7 | 2 3/8" |
| 05030411001 | 1,8 | 60 | 97 | 5,7 | 2 3/8" |
| 05030412001 | 2,0 | 60 | 97 | 5,7 | 2 3/8" |
| 05030413001 | 2,5 | 60 | 97 | 5,7 | 2 3/8" |
| 05030414001 | 3,0 | 60 | 97 | 5,7 | 2 3/8" |
| 05030415001 | 3,2 | 60 | 97 | 5,7 | 2 3/8" |
| 05030416001 | 3,5 | 60 | 97 | 5,7 | 2 3/8" |
| 05030417001 | 4,0 | 60 | 97 | 5,7 | 2 3/8" |
| 05030418001 | 4,5 | 60 | 97 | 6,4 | 2 3/8" |
| 05030150001 | 5,0 | 60 | 97 | 7,0 | 2 3/8" |
| 05030151001 | 5,5 | 60 | 97 | 7,8 | 2 3/8" |

### 1550/6 ESD Screwdriver set and rack for electronic applications



**Application:** Slotted, Phillips, TORX PLUS® IPR and Microstix screws  
**Content:** 6-piece set and rack in display carton

| 05030180001 |  |
|-------------|--|
|             | 1550 PH Micro 1 x PH 000x40 <sup>1) 2)</sup> ; 1 x PH 00x40 <sup>1) 2)</sup> ; 1 x PH 0x40 |
|             | 1578 A Micro 1 x 0,35x2,5x40   |
|             | 1567 TORX PLUS® IPR 1 x 1 IPRx40   |
|             | 1572 ESD 1 x mx40  |

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

<sup>2)</sup> On the output side, the blade is turned to a nominal length of 10 mm.




### 1013 Kraftform Micro ESD bitholding screwdriver



**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

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

|             | <br>mm | <br>mm | <br>mm |
|-------------|---|---|---|
| 05300004001 | 23  | 97  | 1"  |



### 816 R ESD bitholding screwdriver, non-magnetic



**Application:** Suitable for 1/4" DIN ISO 1173-C and E 6.3 hexagon insert bits and Wera Series 1 and 4

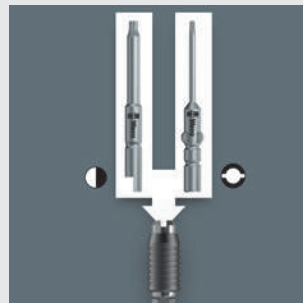
**Design:** 1/4" hexagon socket with Wera quick-release chuck and Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and single-hand technology

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

|             | <br>mm | <br>mm |
|-------------|---|---|
| 05051464001 | 1/4"  | 119   |

## Tip

### 1013 Kraftform Micro ESD bitholding screwdriver



Combination bitholder for both bits with Halfmoon and bits with HIOS drive.

### Chuck-all



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

### Rapid-in and self-lock



The bit can be pushed into the chuck without moving the sleeve. It automatically locks with a secure and wobble-free fit as soon as the bit is applied to the screw.

### 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. Particularly helpful: even the smallest bits can be removed without any extra tools.

# ESD Series

## ESD-safe tools

### 813 R ESD bitholding screwdriver, non-magnetic



**Application:** Suitable for 1/4" DIN ISO 1173-C and E 6.3 hexagon insert bits and Wera Series 1 and 4

**Design:** 1/4" hexagon socket with Wera quick-release chuck and Rapidaptor rapid-in, rapid-out, rapid-spin, chuck-all and single-hand technology

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

|             |      |    |    |
|-------------|------|----|----|
|             |      |    | mm |
| 05051273001 | 1/4" | 90 |    |

### 810/1 ESD bitholding screwdriver with retaining ring



**Application:** Suitable for 1/4" DIN ISO 1173-C 6.3 hexagon insert bits and Wera Series 1

**Blade:** Hexagon

**Design:** 1/4" hexagon socket with retaining ring, chrome-plated

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

|             |      |     |     |    |
|-------------|------|-----|-----|----|
|             |      |     |     |    |
|             |      | mm  | mm  |    |
| 05328463001 | 1/4" | 100 | 112 | 4" |

### 811/1 ESD bitholding screwdriver



**Application:** Suitable for 1/4" DIN ISO 1173-C 6.3 hexagon socket bits and Wera Series 1

**Design:** Extra short, 1/4" hexagon insert bits with retaining ring

**Handle:** Kraftform, single-component

|             |      |    |    |      |
|-------------|------|----|----|------|
|             |      |    |    |      |
|             |      | mm | mm |      |
| 05051106001 | 1/4" | 10 | 54 | 3/8" |

### Kraftform Kompakt Micro 20 ESD 1



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

|             |                      |  |
|-------------|----------------------|--|
| 05073671001 |                      |  |
|             | 1013                 | 1 x 97   |
|             | Kraftform Micro ESD  |  |
|             | 851/9 C              | 1 x PH 00x44 <sup>1)</sup> ; 1 x PH 0x44 <sup>2)</sup> ; 1 x PH 1x44 <sup>1)</sup> |
|             | 867/9 C TORX®        | 1 x TX 1x44; 1 x TX 2x44; 1 x TX 3x44; 1 x TX 4x44; 1 x TX 5x44; 1 x TX 6x44       |
|             | 867/9 C TORX PLUS®   | 1 x 1 IPx44; 1 x 2 IPx44; 1 x 3 IPx44; 1 x 4 IPx44                                 |
|             | 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                                  |
|             | 867/9 IPR TORX® PLUS | 1 x 1 IPRx44   |

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

<sup>2)</sup> Size 0 modifcated according to JCIS 0 (Japanese Camera Industrial Standard)

## Kraftform Kompakt Micro 11 ESD 1



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

|             |                            |  |
|-------------|----------------------------|--|
|             |                            |  |
| 05073670001 |                            |  |
|             | <b>1013</b>                | 1 x 97   |
|             | <b>Kraftform Micro ESD</b> |  |
|             | <b>851/9 C</b>             | 1 x PH 00x44 <sup>1)</sup> ; 1 x PH 0x44 <sup>2)</sup> ; 1 x PH 1x44 <sup>1)</sup> |
|             | <b>867/9 C TORX®</b>       | 1 x TX 5x44; 1 x TX 6x44   |
|             | <b>800/9 C</b>             | 1 x 0,23x1,5x44; 1 x 0,40x2,0x44;<br>1 x 0,50x3,0x44                               |
|             | <b>840/9 C</b>             | 1 x 1,5x44; 1 x 2,0x44   |

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

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## Kraftform Kompakt Micro 21 ESD 1



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

|             |                             |  |
|-------------|-----------------------------|--|
|             |                             |  |
| 05135973001 |                             |  |
|             | <b>1013</b>                 | 1 x 97   |
|             | <b>Kraftform Micro ESD</b>  |  |
|             | <b>851/9 C</b>              | 1 x PH 000x44 <sup>1)</sup> ; 1 x PH 00x44 <sup>1)</sup> ; 1 x PH 0x44 <sup>2)</sup> |
|             | <b>867/9 C TORX®</b>        | 1 x TX 1x44; 1 x TX 2x44; 1 x TX 3x44;<br>1 x TX 4x44; 1 x TX 5x44                   |
|             | <b>867/9 C TORX PLUS®</b>   | 1 x 1 IPx44; 1 x 2 IPx44; 1 x 3 IPx44;<br>1 x 4 IPx44                                |
|             | <b>867/9 IPR TORX® PLUS</b> | 1 x 1 IPRx44   |
|             | <b>872/9</b>                | 1 x mx44; 1 x 00x44; 1 x Fx44; 1 x 0x44  |
|             | <b>800/9 C</b>              | 1 x 0,23x1,5x44; 1 x 0,35x2,5x44   |
|             | <b>869/9</b>                | 1 x 2,5x44,0   |

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

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## Kraftform Kompakt 60 ESD



Pouch with 89 mm bits  
17-piece set  
1 Kraftform bitholding screwdriver 816 R ESD with Rapidaptor quick-release chuck

|             |                         |   |
|-------------|-------------------------|---|
|             |                         |   |
| 05051043001 |                         |   |
|             | <b>816 R ESD</b>        | 1 x 1/4"x119  |
|             | <b>851/4 Z PH</b>       | 1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89                                   |
|             | <b>855/4 Z PZ</b>       | 1 x PZ 1x89; 1 x PZ 2x89; 1 x PZ 3x89                                   |
|             | <b>867/4 Z TORX® BO</b> | 1 x TX 10x89; 1 x TX 15x89; 1 x TX 20x89;<br>1 x TX 25x89; 1 x TX 30x89 |
|             | <b>840/4 Z Hex-Plus</b> | 1 x 3,0x89; 1 x 4,0x89; 1 x 5,0x89; 1 x 6,0x89                          |
|             | <b>800/4 Z</b>          | 1 x 1,0x5,5x89  |





**Torque Tools &  
Kraftform Micro  
Screwdrivers**

# 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:** ±6 % (DIN EN ISO 6789). Numerical torque value scale, audible excess-load signal

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

|                           | Art.No. | mm  |      | Nm        | Nm    | mm  |         |
|---------------------------|---------|-----|------|-----------|-------|-----|---------|
| 05074770001 <sup>1)</sup> | 7430    | 89  | 1/4" | 0,10-0,34 | 0,015 | 142 | 5 7/16" |
| 05074772001 <sup>1)</sup> | 7431    | 89  | 1/4" | 0,30-1,00 | 0,05  | 142 | 5 7/16" |
| 05074774001 <sup>1)</sup> | 7432    | 89  | 1/4" | 0,90-1,50 | 0,05  | 142 | 5 7/16" |
| 05074700001               | 7440    | 105 | 1/4" | 0,3-1,2   | 0,05  | 155 | 6"      |
| 05074701001               | 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. Audible excess-load signal

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

|             | Art.No. |      | Nm      | Nm   | mm  | mm  |    |   |
|-------------|---------|------|---------|------|-----|-----|----|---|
| 05074702001 | 7442    | 1/4" | 3,0-6,0 | 0,25 | 150 | 100 | 4" | 1 |
| 05074705001 | 7443    | 1/4" | 4,0-8,8 | 0,40 | 150 | 100 | 4" | 1 |

For torque tools in ESD-version see pages 28-31.

All Wera torque tools manufactured according to DIN EN ISO 6789 are supplied with a calibration certificate. 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](mailto:torqueservice@wera.de).



## Series 7400 Kraftform 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

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Audible excess-load signal

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

|             | Art.No. |          |           |     |     |    |
|-------------|---------|----------|-----------|-----|-----|----|
|             |         | in. lbs. | in. lbs.  | mm  |     |    |
| 05074710001 | 7445    | 1/4"     | 2,5-11,5  | 0,5 | 155 | 6" |
| 05074711001 | 7446    | 1/4"     | 11,0-29,0 | 1,0 | 155 | 6" |

## 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

**Accuracy:** ±6 % (DIN EN ISO 6789). Numerical torque value scale. Audible excess-load signal

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

|             | Art.No. |          |           |     |     |     |      |
|-------------|---------|----------|-----------|-----|-----|-----|------|
|             |         | in. lbs. | in. lbs.  | mm  | mm  |     |      |
| 05074712001 | 7447    | 1/4"     | 25,0-55,0 | 2,5 | 150 | 100 | 4" 1 |

## Tip



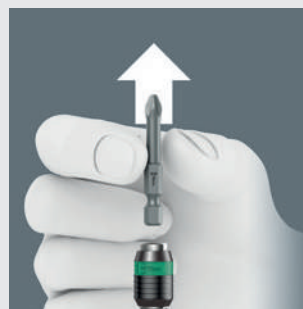
## Rapidaptor

### 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.

### Attachable magnifying glass



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.

# Series 7400 Kraftform Torque Screwdrivers Variable torque adjustment models

## 7440/41 Kraftform torque screwdriver set 0.3-3.0 Nm



## 7440/41/42 Kraftform torque screwdriver set 0.3-6.0 Nm



|             |                            |  |
|-------------|----------------------------|--|
| 05074738001 |                            |  |
| ●           | <b>7400</b>                | 1 x 7440, 1/4", 0,3-1,2 Nm;<br>1 x 7441, 1/4", 1,2-3,0 Nm  |
| ⊗           | <b>867/1 TZ TORX®</b>      | 1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25;<br>1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25;<br>1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25 |
| ⊗           | <b>867/1 IP TORX PLUS®</b> | 1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25;<br>1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25;<br>1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25 |
| ○           | <b>840/1 Z Hex-Plus</b>    | 1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25;<br>1 x 5,0x25; 1 x 6,0x25  |

|             |                            |  |
|-------------|----------------------------|--|
| 05074739001 |                            |  |
| ●           | <b>7400</b>                | 1 x 7440, 1/4", 0,3-1,2 Nm;<br>1 x 7441, 1/4", 1,2-3,0 Nm  |
| ●           | <b>7400 Pistole</b>        | 1 x 7442, 3,0-6,0 Nm   |
| ⊗           | <b>867/1 TZ TORX®</b>      | 1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25;<br>1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25;<br>1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25 |
| ⊗           | <b>867/1 IP TORX PLUS®</b> | 1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25;<br>1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25;<br>1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25 |
| ○           | <b>840/1 Z Hex-Plus</b>    | 1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25;<br>1 x 5,0x25; 1 x 6,0x25  |

# Tip

## Exceptional technical expertise



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.

## Precise calibration



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.

## Full service



As part of our service packages, we offer you not only calibration and, if necessary, the adjustment of your torque tool, but also the repair or replacement of defective components.

### 7445/46/47 Kraftform torque screwdriver set 2.5-55.0 in.lbs.



|             |                            |  |
|-------------|----------------------------|--|
| 05350451001 |                            |  |
| ●           | <b>7400 inch</b>           | 1 x 7445, 2,5-11,5 in, lbs.;<br>1 x 7446, 11,0-29,0 in, lbs,   |
| ●           | <b>7400 Pistole inch</b>   | 1 x 7447, 25,0-55,0 in, lbs,   |
| ✦           | <b>867/1 TZ TORX®</b>      | 1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25;<br>1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25;<br>1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25 |
| ✦           | <b>867/1 IP TORX PLUS®</b> | 1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25;<br>1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25;<br>1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25 |
| ○           | <b>840/1 Z Hex-Plus</b>    | 1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25;<br>1 x 5,0x25; 1 x 6,0x25  |

# 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**



**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

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

**Accuracy:** ± 6% (DIN EN ISO 6789). Audible excess-load signal

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

|                           | Art.No. | mm  |      | Nm  | Nm       | mm  |        |
|---------------------------|---------|-----|------|-----|----------|-----|--------|
| 05074790001               | 7450    | 89  | 1/4" | 0,1 | 0,1-0,34 | 133 | 5 1/4" |
| 05074790010 <sup>1)</sup> | 7450    | 89  | 1/4" | 0,1 | 0,1-0,34 | 133 | 5 1/4" |
| 05074792001               | 7451    | 89  | 1/4" | 0,3 | 0,3-1,0  | 133 | 5 1/4" |
| 05074792010 <sup>1)</sup> | 7451    | 89  | 1/4" | 0,3 | 0,3-1,0  | 133 | 5 1/4" |
| 05074794001               | 7452    | 89  | 1/4" | 0,9 | 0,9-1,5  | 133 | 5 1/4" |
| 05074794010 <sup>1)</sup> | 7452    | 89  | 1/4" | 0,9 | 0,9-1,5  | 133 | 5 1/4" |
| 05074715001               | 7460    | 105 | 1/4" | 0,3 | 0,3-1,2  | 155 | 6"     |
| 05074715010 <sup>1)</sup> | 7460    | 105 | 1/4" | 0,3 | 0,3-1,2  | 155 | 6"     |
| 05074716001               | 7461    | 105 | 1/4" | 1,2 | 1,2-3,0  | 155 | 6"     |
| 05074716010 <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

**Series 7400 Kraftform pre-set 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

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

**Accuracy:** ±6 % (DIN EN ISO 6789). Audible excess-load signal

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

|                           | Art.No. |      | in. lbs. | in. lbs.  | mm  |    |
|---------------------------|---------|------|----------|-----------|-----|----|
| 05074720001               | 7465    | 1/4" | 2,5      | 2,5-11,5  | 155 | 6" |
| 05074720010 <sup>1)</sup> | 7465    | 1/4" | 2,5      | 2,5-11,5  | 155 | 6" |
| 05074722001               | 7466    | 1/4" | 11,0     | 11,0-29,0 | 155 | 6" |
| 05074722010 <sup>1)</sup> | 7466    | 1/4" | 11,0     | 11,0-29,0 | 155 | 6" |

<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 screwdrivers (3.0-8.8 Nm) with Rapidaptor quick-release chuck**

**Series 7400 Kraftform pistol grip, pre-set adjustable torque screwdriver (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

**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

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

**Pre-set torque:** 3.0 Nm, 4.0 Nm

**Pre-set torque:** 25.0 in. lbs.

**Accuracy:** ±6 % (DIN EN ISO 6789). Audible excess-load signal

**Accuracy:** ±6 % (DIN EN ISO 6789). Audible excess-load signal

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

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

|                           | Art.No. |      |     |         |     |     |    |    |
|---------------------------|---------|------|-----|---------|-----|-----|----|----|
|                           |         |      | Nm  | Nm      | mm  | mm  |    |    |
| 05074717001               | 7462    | 1/4" | 3,0 | 3,0-6,0 | 150 | 100 | 6" | 4" |
| 05074717010 <sup>1)</sup> | 7462    | 1/4" | 3,0 | 3,0-6,0 | 150 | 100 | 6" | 4" |
| 05074728001               | 7463    | 1/4" | 4,0 | 4,0-8,8 | 150 | 100 | 6" | 4" |
| 05074728010 <sup>1)</sup> | 7463    | 1/4" | 4,0 | 4,0-8,8 | 150 | 100 | 6" | 4" |

|                           | Art.No. |      |          |           |     |     |    |    |
|---------------------------|---------|------|----------|-----------|-----|-----|----|----|
|                           |         |      | in. lbs. | in. lbs.  | mm  | mm  |    |    |
| 05074721001               | 7467    | 1/4" | 25,0     | 25,0-55,0 | 150 | 100 | 6" | 4" |
| 05074721010 <sup>1)</sup> | 7467    | 1/4" | 25,0     | 25,0-55,0 | 150 | 100 | 6" | 4" |

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

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

# Series Kraftform Micro

The refined screwdriver for electronics technicians

## 2035 Screwdriver for slotted screws for electronic applications



**Application:** Slotted screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm   | mm  | mm  | mm | mm  | mm    | mm      |
|-------------|------|-----|-----|----|-----|-------|---------|
| 05117990001 | 0,16 | 0,8 | 40  | 97 | 2,0 | 1/32" | 1 9/16" |
| 05117991001 | 0,18 | 1,0 | 40  | 97 | 2,0 | 0,04" | 1 9/16" |
| 05117992001 | 0,20 | 1,2 | 40  | 97 | 2,0 | 0,05" | 1 9/16" |
| 05118002001 | 0,23 | 1,5 | 40  | 97 | 2,0 | 1/16" | 1 9/16" |
| 05118003001 | 0,23 | 1,5 | 60  | 97 | 2,0 | 1/16" | 2 3/8"  |
| 05118000001 | 0,25 | 1,2 | 40  | 97 | 2,0 | 0,05" | 1 9/16" |
| 05117993001 | 0,30 | 1,8 | 40  | 97 | 2,0 | 0,07" | 1 9/16" |
| 05118004001 | 0,30 | 1,8 | 60  | 97 | 2,0 | 0,07" | 2 3/8"  |
| 05117997001 | 0,35 | 2,5 | 40  | 97 | 2,5 | 0,07" | 1 9/16" |
| 05118017001 | 0,30 | 2,0 | 50  | 97 | 2,0 | 0,07" | 2"      |
| 05118005001 | 0,40 | 2,0 | 40  | 97 | 2,5 | 5/64" | 1 9/16" |
| 05118006001 | 0,40 | 2,0 | 60  | 97 | 2,5 | 5/64" | 2 3/8"  |
| 05118007001 | 0,40 | 2,0 | 100 | 97 | 2,5 | 5/64" | 4"      |
| 05117994001 | 0,40 | 2,5 | 50  | 97 | 2,5 | 3/32" | 2"      |
| 05118008001 | 0,40 | 2,5 | 80  | 97 | 2,5 | 3/32" | 3 1/8"  |
| 05117995001 | 0,50 | 3,0 | 50  | 97 | 3,0 | 1/8"  | 2"      |
| 05118010001 | 0,50 | 3,0 | 80  | 97 | 3,0 | 1/8"  | 3 1/8"  |
| 05118012001 | 0,60 | 3,5 | 80  | 97 | 4,0 | 9/64" | 3 1/8"  |
| 05118014001 | 0,80 | 4,0 | 80  | 97 | 4,0 | 5/32" | 3 1/8"  |

## 2050 PH Screwdriver for Phillips screws for electronic applications



**Application:** Phillips screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|                             | PH     | mm | mm | mm      | mm      |
|-----------------------------|--------|----|----|---------|---------|
| 05345290001 <sup>1)2)</sup> | PH 000 | 40 | 97 | 1,5/2,5 | 1 9/16" |
| 05118019001 <sup>1)2)</sup> | PH 00  | 40 | 97 | 1,8/2,5 | 1 9/16" |
| 05118020001 <sup>1)</sup>   | PH 00  | 60 | 97 | 2,5     | 2 3/8"  |
| 05118026001 <sup>3)</sup>   | PH 0   | 40 | 97 | 3,0     | 1 9/16" |
| 05118022001 <sup>3)</sup>   | PH 0   | 60 | 97 | 3,0     | 2 3/8"  |
| 05118023001                 | PH 1   | 60 | 97 | 4,0     | 2 3/8"  |
| 05118024001                 | PH 1   | 80 | 97 | 4,0     | 3 1/8"  |

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

<sup>2)</sup> On the output side, the blade is turned to a nominal length of 10 mm.

<sup>3)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## 2055 PZ Screwdriver for Pozidriv screws for electronic applications



**Application:** Suitable for Pozidriv screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm   | mm | mm | mm          |
|-------------|------|----|----|-------------|
| 05118030001 | PZ 0 | 60 | 97 | 3,0 2 3/8"  |
| 05118032001 | PZ 1 | 80 | 97 | 4,0 3 1/16" |

## 2067 TORX® HF screwdriver with holding function for electronic applications



**Application:** TORX® socket screws  
**Blade:** Round  
**Design:** Holding function for TORX® screws made according to Acument Global Technologies Inc. specifications, chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm    | mm | mm | mm          |
|-------------|-------|----|----|-------------|
| 05118180001 | TX 4  | 40 | 97 | 2,5 1 9/16" |
| 05118181001 | TX 5  | 40 | 97 | 3,0 1 9/16" |
| 05118182001 | TX 6  | 40 | 97 | 3,0 1 9/16" |
| 05118183001 | TX 7  | 60 | 97 | 3,0 2 3/8"  |
| 05118184001 | TX 8  | 60 | 97 | 3,0 2 3/8"  |
| 05118185001 | TX 9  | 60 | 97 | 4,0 2 3/8"  |
| 05118186001 | TX 10 | 60 | 97 | 4,0 2 3/8"  |

# Tip

## 2067 TORX® screwdriver for TORX® screws for electronic applications



**Application:** TORX® socket screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             |      | mm | mm | mm  | "       |
|-------------|------|----|----|-----|---------|
| 05118035001 | TX 1 | 40 | 97 | 2,0 | 1 9/16" |
| 05118036001 | TX 2 | 40 | 97 | 2,0 | 1 9/16" |
| 05118037001 | TX 3 | 40 | 97 | 2,0 | 1 9/16" |
| 05118039001 | TX 4 | 40 | 97 | 2,5 | 1 9/16" |
| 05118040001 | TX 5 | 40 | 97 | 3,0 | 1 9/16" |
| 05118042001 | TX 6 | 40 | 97 | 3,0 | 1 9/16" |

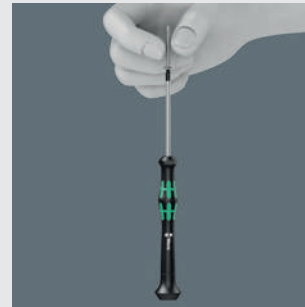
## 2067 TORX® BO screwdriver for tamper-proof TORX® screws for electronic applications



**Application:** TORX® socket screws with safety pin  
 (BO = with bore hole)  
**Blade:** Round  
**Design:** Bore hole in TORX® section, chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             |       | mm | mm | mm  | "       |
|-------------|-------|----|----|-----|---------|
| 05118044001 | TX 7  | 60 | 97 | 3,0 | 1 9/16" |
| 05118046001 | TX 8  | 60 | 97 | 3,0 | 2 3/8"  |
| 05118048001 | TX 9  | 60 | 97 | 4,0 | 2 3/8"  |
| 05118050001 | TX 10 | 60 | 97 | 4,0 | 2 3/8"  |
| 05118052001 | TX 15 | 60 | 97 | 4,0 | 2 3/8"  |
| 05118054001 | TX 20 | 60 | 97 | 4,0 | 2 3/8"  |

### How can I hold my TORX® screw securely on the screwdriver?



The electronic TORX® screwdriver with holding function (HF) literally presses the screw onto the screwdriver. The conical driving flanks that taper toward the tip of the tool, the optimised flank base and the ideal engage depth hold the screw securely on the blade.

### How to perform precision screwdriving jobs quickly whilst still applying the required degree of force?



The Kraftform Micro, with its three zones and their specific arrangement, satisfies these requirements perfectly. The free-turning cap that provides support for the hand works with these advantages, enabling quick and easy precision work.

# Series Kraftform Micro

The refined screwdriver for electronics technicians

## 2067 IPR TORX PLUS® screwdriver for electronic applications



**Application:** TORX PLUS® IPR socket screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|                           |       | mm | mm | mm  | mm       |
|---------------------------|-------|----|----|-----|----------|
| 05030160001 <sup>1)</sup> | 1 IPR | 44 | 97 | 2,0 | 1 47/64" |

<sup>1)</sup> Without bore hole

## 2054 Screwdriver for hexagon socket screws for electronic applications



**Application:** Hexagon socket screws  
**Blade:** Round  
**Design:** Hex-Plus, chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm  | mm     | mm | mm | mm  | mm      |
|-------------|-----|--------|----|----|-----|---------|
| 05118060001 | 0,7 | 0,7    | 40 | 97 | 3,0 | 1 9/16" |
| 05118062001 | 0,9 | 0,9    | 40 | 97 | 3,0 | 1 9/16" |
| 05118064001 | 1,3 | 1,3    | 40 | 97 | 3,0 | 1 9/16" |
| 05118066001 | 1,5 | 1,5    | 60 | 97 | 3,0 | 2 3/8"  |
| 05118068001 | 2   | 2      | 60 | 97 | 3,0 | 2 3/8"  |
| 05118070001 | 2,5 | 2,5    | 60 | 97 | 4,0 | 2 3/8"  |
| 05118072001 | 3,0 | 3,0    | 60 | 97 | 4,0 | 2 3/8"  |
| 05345284001 | -   | 0,028" | 40 | 97 | 3,0 | 1 9/16" |
| 05345285001 | -   | 0,035" | 40 | 97 | 3,0 | 1 9/16" |
| 05118074001 | -   | 0,05"  | 40 | 97 | 3,0 | 1 9/16" |
| 05118076001 | -   | 1/16"  | 60 | 97 | 3,0 | 2 3/8"  |
| 05118078001 | -   | 5/64"  | 60 | 97 | 3,0 | 2 3/8"  |
| 05118080001 | -   | 3/32"  | 60 | 97 | 4,0 | 2 3/8"  |
| 05118082001 | -   | 7/64"  | 60 | 97 | 4,0 | 2 3/8"  |
| 05118075001 | -   | 1/8"   | 60 | 97 | 4,0 | 2 3/8"  |

## 2072 Kraftform Micro screwdriver for Microstix® screws



**Application:** Microstix® socket screws  
**Blade:** Round  
**Design:** Chrome-plated, Black Point  
**Handle:** Kraftform Micro with non-roll feature and rotating cap, multi-component

|             | mm | mm | mm | mm  | mm      |
|-------------|----|----|----|-----|---------|
| 05118145001 | m  | 40 | 97 | 2,5 | 1 9/16" |



## 2052 Ball end hexagon screwdriver for electronic applications



**Application:** Hexagon socket screws

**Blade:** Round

**Design:** Hexagon ball end, chrome-plated, Black Point

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

|             | mm  |       | mm | mm | mm  |        |
|-------------|-----|-------|----|----|-----|--------|
| 05118089001 | 1,3 |       | 60 | 97 | 3,0 | 2 3/8" |
| 05118090001 | 1,5 |       | 60 | 97 | 3,0 | 2 3/8" |
| 05118092001 | 2,0 |       | 60 | 97 | 3,0 | 2 3/8" |
| 05118094001 | 2,5 |       | 60 | 97 | 4,0 | 2 3/8" |
| 05118096001 | 3,0 |       | 60 | 97 | 4,0 | 2 3/8" |
| 05118098001 | -   | 1/16" | 60 | 97 | 3,0 | 2 3/8" |
| 05118100001 | -   | 5/64" | 60 | 97 | 3,0 | 2 3/8" |
| 05118102001 | -   | 3/32" | 60 | 97 | 3,0 | 2 3/8" |
| 05118106001 | -   | 7/64" | 60 | 97 | 4,0 | 2 3/8" |
| 05118103001 | -   | 1/8"  | 60 | 97 | 4,0 | 2 3/8" |

## Tip



### 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" screw-driving jobs.

## 1429 Chip lifter



**Application:** Lifting tightly-fitting parts from circuit boards after desoldering

**Blade:** Round

**Design:** Chrome-plated

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

|             | mm  | mm  | mm | mm |
|-------------|-----|-----|----|----|
| 05027456001 | 1,0 | 3,5 | 50 | 97 |

# Series Kraftform Micro

The refined screwdriver for electronics technicians

## 1013 Kraftform Micro bitholding screwdriver



**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

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

|             | □<br>mm | □<br>mm | □<br>" |
|-------------|---------|---------|--------|
| 05051276001 | 23      | 97      | 1"     |

Bits of the Wera serie 9 and 21 can be found on pages 285, 314, 320, 322, 327, 334, 346 and 347.

## Kraftform Micro 12 Universal 1 Screwdriver set for electronic applications



**Application:** Slotted and Phillips screws, TORX® socket screws, and Hexagon socket screws

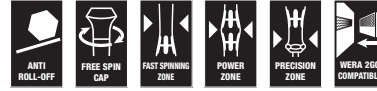
**Content:** 12-piece set, in a belt pouch

| 05073675001 |  |
|-------------|--|
| +           | 2050 PH Micro 1 x PH 00x60 <sup>1)</sup> ; 1 x PH 0x60 <sup>2)</sup>                           |
| ⊕           | 2067 TORX® HF 1 x TX 5x40; 1 x TX 6x40   |
| ⊖           | 2035 Micro 1 x 0,23x1,5x40; 1 x 0,30x1,8x60; 1 x 0,40x2,0x60; 1 x 0,40x2,5x80; 1 x 0,50x3,0x80 |
| ○           | 2054 Micro 1 x 0,9x40; 1 x 1,5x60; 1 x 2x60  |

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

<sup>2)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

## Kraftform Micro 12 Electronics 1 Screwdriver set for electronic applications



**Application:** Slotted, Phillips, TORX® BO, TORX PLUS® IPR, Microstix screws and hexagon headed bolts, screws and nuts. 1 remover.

**Content:** 12-piece set, in a belt pouch

| 05073677001 |  |
|-------------|--|
| +           | 2050 PH Micro 1 x PH 000x40 <sup>1)2)</sup> ; 1 x PH 00x40 <sup>1)2)</sup> ; 1 x PH 0x40 <sup>3)</sup> |
| ⊕           | 2067 TORX® BO Micro 1 x TX 8x60; 1 x TX 10x60  |
| ⊖           | 2067 IPR Micro 1 x 1 IPRx44  |
| ⊖           | 2035 Micro 1 x 0,23x1,5x40; 1 x 0,35x2,5x40  |
| ⊖           | 2069 Micro 1 x 2,5x60; 1 x 3,0x60  |
| ⊕           | 2072 1 x mx40  |
| ⊖           | 1429 1 x 1,0x3,5x50  |

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

<sup>2)</sup> On the output side, the blade is turned to a nominal length of 10 mm.

<sup>3)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

# Tip

## Kraftform Kompakt Micro 11 Universal 1



11-piece set

Pouch with 44 mm bits

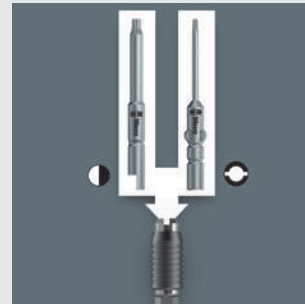
1 Kraftform Micro bitholding screwdriver 1013

|             |   |  |
|-------------|---|--|
|             |   |  |
| 05135938001 |   |  |
|             | <b>1013</b><br><b>Kraftform</b><br><b>Micro</b> | 1 x 97   |
|             | <b>851/9 C</b>                                  | 1 x PH 00x44 <sup>1)</sup> ; 1 x PH 0x44 <sup>2)</sup> ; 1 x PH 1x44 <sup>1)</sup> |
|             | <b>840/9 C</b>                                  | 1 x 1,5x44; 1 x 2,0x44   |
|             | <b>800/9 C</b>                                  | 1 x 0,23x1,5x44; 1 x 0,40x2,0x44;<br>1 x 0,50x3,0x44                               |
|             | <b>867/9 C</b><br><b>TORX®</b>                  | 1 x TX 5x44; 1 x TX 6x44   |

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

<sup>2)</sup> Size 0 modified according to JCIS 0 (Japanese Camera Industrial Standard)

## 1013 Kraftform Micro bitholding screwdriver



Combination bitholder for both bits with Halfmoon and bits with HIOS drive.

# Series Kraftform Micro

The refined screwdriver set and rack for electronics technicians

## 2035/6 A Screwdriver set and rack for electronic applications



**Application:** Slotted and Phillips screws  
**Content:** 6-piece set and rack in display carton

|             |  |
|-------------|--|
|             |  |
| 05118150001 |  |
|             | 2050 PH Micro 1 x PH 00x60 <sup>1)</sup> ; 1 x PH 0x60 <sup>2)</sup>             |
|             | 2035 Micro 1 x 0,30x1,8x60; 1 x 0,40x2,0x60;<br>1 x 0,40x2,5x80; 1 x 0,50x3,0x80 |

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

<sup>2)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

## 2035/6 B Screwdriver set and rack for electronic applications



**Application:** Slotted and Phillips screws  
**Content:** 6-piece set and rack in display carton

|             |  |
|-------------|--|
|             |  |
| 05118152001 |  |
|             | 2050 PH Micro 1 x PH 0x60 <sup>1)</sup> ; 1 x PH 1x80                            |
|             | 2035 Micro 1 x 0,40x2,5x80; 1 x 0,50x3,0x80;<br>1 x 0,60x3,5x80; 1 x 0,80x4,0x80 |

<sup>1)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

## 2067/6 TORX® B0 screwdriver set and rack for electronic applications



**Application:** TORX® socket screws with safety pin (B0 = with bore hole)  
**Content:** 6-piece set and rack in display carton

|             |  |
|-------------|--|
|             |  |
| 05118154001 |  |
|             | 2067 TORX® B0 Micro 1 x TX 7x60; 1 x TX 8x60; 1 x TX 9x60;<br>1 x TX 10x60; 1 x TX 15x60; 1 x TX 20x60 |

## 2050/6 Screwdriver set and rack for electronic applications



**Application:** Slotted, Phillips, TORX PLUS® IPR and Microstix screws  
**Content:** 6-piece set and rack in display carton

|             |   |
|-------------|---|
|             |   |
| 05030181001 |   |
|             | 2050 PH Micro 1 x PH 000x40 <sup>1)2)</sup> ; 1 x PH 00x40 <sup>1)2)</sup> ;<br>1 x PH 0x40 <sup>3)</sup> |
|             | 2067 IPR Micro 1 x 1 IPRx44   |
|             | 2072 1 x mx40   |
|             | 2035 Micro 1 x 0,35x2,5x40  |

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

<sup>2)</sup> On the output side, the blade is turned to a nominal length of 10 mm.

<sup>3)</sup> Size 0 modified according to JCS 0 (Japanese Camera Industrial Standard)

## 2052/6 Hexagon screwdriver set and rack for electronic applications



**Application:** Ball end for hexagon socket screws

**Content:** 6-piece set and rack in display carton

|             |   |
|-------------|---|
|             |   |
| 05118156001 |   |
| ○           | 2052 Micro 1 x 1,5x60; 1 x 2,0x60; 1 x 2,5x60; 1 x 3,0x60 |
| ○           | 2054 Micro 1 x 0,9x40; 1 x 1,3x40                         |

## 2069/6 Screwdriver set and rack for electronic applications



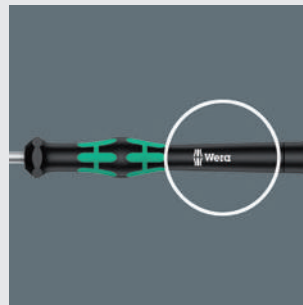
**Application:** Hexagon headed bolts, screws and nuts

**Content:** 6-piece set and rack in display carton

|             |   |
|-------------|---|
|             |   |
| 05118158001 |   |
| ●           | 2069 Micro 1 x 2,0x60; 1 x 2,5x60; 1 x 3,0x60; 1 x 3,5x60; 1 x 4,0x60; 1 x 5,0x60 |

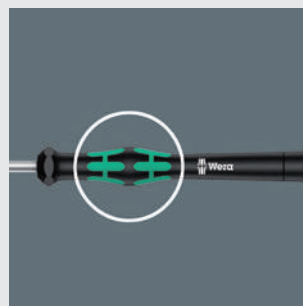
## Tip

### Rotating cap and fast-turning zone



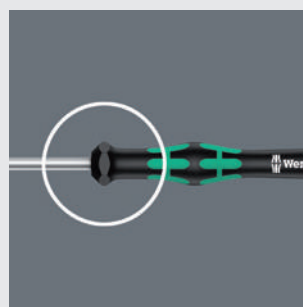
The fast-turning zone just below the rotating cap allow rapid twisting. This makes time-consuming grip adjustments as with other conventional precision screwdrivers unnecessary.

### The power zone



The power zone has integrated soft zones near the blade tip to ensure high torque transfer for loosening or tightening screws without losing contact with the screw.

### The precision zone



The precision zone directly above the blade gives the user a better feel for the right rotation angle during fine adjustment work.





**TechLex -  
Technical data  
and information**

# TORQUE Conversion Table

| Conversion       |          |         |        |              |        |              |         |           |
|------------------|----------|---------|--------|--------------|--------|--------------|---------|-----------|
| Units            | SI Units |         |        | Metric scale |        | USA GB scale |         |           |
|                  | cNm      | dNm     | Nm     | cmkg         | mkg    | ft.lb        | in.lb   | in.oz     |
| <b>1 cNm =</b>   | 1        | 0,1     | 0,01   | 0,1020       | 0,0010 | 0,0074       | 0,0885  | 1,4161    |
| <b>1 dNm =</b>   | 10       | 1       | 0,1    | 1,0197       | 0,0102 | 0,0738       | 0,8851  | 14,1612   |
| <b>1 Nm =</b>    | 100      | 10      | 1      | 10,1972      | 0,1020 | 0,7376       | 8,8508  | 141,6123  |
| <b>1 cmkg =</b>  | 9,8067   | 0,9807  | 0,0981 | 1            | 0,0100 | 0,0723       | 0,8680  | 13,8874   |
| <b>1 mkg =</b>   | 980,6650 | 98,0665 | 9,8067 | 100          | 1      | 7,2330       | 86,7964 | 1388,7422 |
| <b>1 ft.lb =</b> | 135,5818 | 13,5581 | 1,3558 | 13,8255      | 0,1383 | 1            | 12      | 192       |
| <b>1 in.lb =</b> | 11,2985  | 1,1298  | 0,1130 | 1,1521       | 0,0115 | 0,0833       | 1       | 16        |
| <b>1 in.oz =</b> | 0,7062   | 0,0706  | 0,0071 | 0,0720       | 0,0007 | 0,0052       | 0,0625  | 1         |

### Example 1

1 Nm = 0,102 mkg  
 17,4 Nm = 17,4 x 0,102 mkg  
 17,4 Nm = 1,775 mkg

### Example 2

1 mkg = 9,8067 Nm  
 12,5 mkg = 12,5 x 9,8067 Nm  
 12,5 mkg = 122,58 Nm

| Conversion Nm in mkg |       |       |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 Nm = 0,10197 mkg   |       |       |       |       |       |       |       |       |       |       |
| Nm                   | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     |
| 0                    | 0,00  | 0,10  | 0,20  | 0,31  | 0,41  | 0,51  | 0,61  | 0,71  | 0,82  | 0,92  |
| 10                   | 1,02  | 1,12  | 1,22  | 1,33  | 1,43  | 1,53  | 1,63  | 1,73  | 1,84  | 1,94  |
| 20                   | 2,04  | 2,14  | 2,24  | 2,35  | 2,45  | 2,55  | 2,65  | 2,75  | 2,86  | 2,96  |
| 30                   | 3,06  | 3,16  | 3,26  | 3,37  | 3,47  | 3,57  | 3,67  | 3,77  | 3,87  | 3,98  |
| 40                   | 4,08  | 4,18  | 4,28  | 4,38  | 4,49  | 4,59  | 4,69  | 4,79  | 4,89  | 5,00  |
| 50                   | 5,10  | 5,20  | 5,30  | 5,40  | 5,51  | 5,61  | 5,71  | 5,81  | 5,91  | 6,02  |
| 60                   | 6,12  | 6,22  | 6,32  | 6,42  | 6,53  | 6,63  | 6,73  | 6,83  | 6,93  | 7,04  |
| 70                   | 7,14  | 7,24  | 7,34  | 7,44  | 7,55  | 7,65  | 7,75  | 7,85  | 7,95  | 8,06  |
| 80                   | 8,16  | 8,26  | 8,36  | 8,46  | 8,57  | 8,67  | 8,77  | 8,87  | 8,97  | 9,08  |
| 90                   | 9,18  | 9,28  | 9,38  | 9,48  | 9,59  | 9,69  | 9,79  | 9,89  | 9,99  | 10,10 |
| 100                  | 10,20 | 10,30 | 10,40 | 10,50 | 10,60 | 10,71 | 10,81 | 10,91 | 11,01 | 11,11 |

| Conversion mkg in Nm |        |        |         |         |         |         |         |         |         |         |
|----------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 mkg = 9,80665 Nm   |        |        |         |         |         |         |         |         |         |         |
| mkg                  | 0      | 1      | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       |
| 0                    | 0,00   | 9,81   | 19,61   | 29,42   | 39,23   | 49,03   | 58,84   | 68,65   | 78,45   | 88,26   |
| 10                   | 98,07  | 107,87 | 117,68  | 127,49  | 137,29  | 147,10  | 156,91  | 166,71  | 176,52  | 186,33  |
| 20                   | 196,13 | 205,94 | 215,75  | 225,55  | 235,36  | 245,17  | 254,97  | 264,78  | 274,59  | 284,39  |
| 30                   | 294,20 | 304,01 | 313,81  | 323,62  | 333,43  | 343,23  | 353,04  | 362,85  | 372,65  | 382,46  |
| 40                   | 392,27 | 402,07 | 411,88  | 421,69  | 431,49  | 441,30  | 451,11  | 460,91  | 470,72  | 480,53  |
| 50                   | 490,33 | 500,14 | 509,95  | 519,75  | 529,56  | 539,37  | 549,17  | 558,98  | 568,79  | 578,59  |
| 60                   | 588,40 | 598,21 | 608,01  | 617,82  | 627,63  | 637,43  | 647,24  | 657,05  | 666,85  | 676,66  |
| 70                   | 686,47 | 696,27 | 706,08  | 715,89  | 725,69  | 735,50  | 745,31  | 755,11  | 764,92  | 774,73  |
| 80                   | 784,53 | 794,34 | 804,15  | 813,95  | 823,76  | 833,57  | 843,37  | 853,18  | 862,99  | 872,79  |
| 90                   | 882,60 | 892,41 | 902,21  | 912,02  | 921,83  | 931,63  | 941,44  | 951,25  | 961,05  | 970,86  |
| 100                  | 980,67 | 990,47 | 1000,28 | 1010,08 | 1019,89 | 1029,70 | 1039,50 | 1049,31 | 1059,12 | 1068,92 |

| Conversion Nm in ft.lb |       |       |       |       |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 Nm = 0,73756 ft.lb   |       |       |       |       |       |       |       |       |       |       |
| Nm                     | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     |
| 0                      | 0,00  | 0,74  | 1,48  | 2,21  | 2,95  | 3,69  | 4,43  | 5,16  | 5,90  | 6,64  |
| 10                     | 7,38  | 8,11  | 8,85  | 9,59  | 10,33 | 11,06 | 11,80 | 12,54 | 13,28 | 14,01 |
| 20                     | 14,75 | 15,49 | 16,23 | 16,96 | 17,70 | 18,44 | 19,18 | 19,91 | 20,65 | 21,39 |
| 30                     | 22,13 | 22,86 | 23,60 | 24,34 | 25,08 | 25,81 | 26,55 | 27,29 | 28,03 | 28,76 |
| 40                     | 29,50 | 30,24 | 30,98 | 31,72 | 32,45 | 33,19 | 33,93 | 34,67 | 35,40 | 36,14 |
| 50                     | 36,88 | 37,62 | 38,35 | 39,09 | 39,83 | 40,57 | 41,30 | 42,04 | 42,78 | 43,52 |
| 60                     | 44,25 | 44,99 | 45,73 | 46,47 | 47,20 | 47,94 | 48,68 | 49,42 | 50,15 | 50,89 |
| 70                     | 51,63 | 52,37 | 53,10 | 53,84 | 54,58 | 55,32 | 56,05 | 56,79 | 57,53 | 58,27 |
| 80                     | 59,00 | 59,74 | 60,48 | 61,22 | 61,96 | 62,69 | 63,43 | 64,17 | 64,91 | 65,64 |
| 90                     | 66,38 | 67,12 | 67,86 | 68,59 | 69,33 | 70,07 | 70,81 | 71,54 | 72,28 | 73,02 |
| 100                    | 73,76 | 74,49 | 75,23 | 75,97 | 76,71 | 77,44 | 78,18 | 78,92 | 79,66 | 80,39 |

| Conversion ft.lb in Nm |        |        |        |        |        |        |        |        |        |        |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 ft.lb = 1,35581 Nm   |        |        |        |        |        |        |        |        |        |        |
| ft.lb                  | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
| 0                      | 0,00   | 1,36   | 2,71   | 4,07   | 5,42   | 6,78   | 8,13   | 9,49   | 10,85  | 12,20  |
| 10                     | 13,56  | 14,91  | 16,27  | 17,63  | 18,98  | 20,34  | 21,69  | 23,05  | 24,40  | 25,76  |
| 20                     | 27,12  | 28,47  | 29,83  | 31,18  | 32,54  | 33,90  | 35,25  | 36,61  | 37,96  | 39,32  |
| 30                     | 40,67  | 42,03  | 43,39  | 44,74  | 46,10  | 47,45  | 48,81  | 50,16  | 51,52  | 52,88  |
| 40                     | 54,23  | 55,59  | 56,94  | 58,30  | 59,66  | 61,01  | 62,37  | 63,72  | 65,08  | 66,43  |
| 50                     | 67,79  | 69,15  | 70,50  | 71,86  | 73,21  | 74,57  | 75,93  | 77,28  | 78,64  | 79,99  |
| 60                     | 81,35  | 82,70  | 84,06  | 85,42  | 86,77  | 88,13  | 89,48  | 90,84  | 92,20  | 93,55  |
| 70                     | 94,91  | 96,26  | 97,62  | 98,97  | 100,33 | 101,69 | 103,04 | 104,40 | 105,75 | 107,11 |
| 80                     | 108,46 | 109,82 | 111,18 | 112,53 | 113,89 | 115,24 | 116,60 | 117,96 | 119,31 | 120,67 |
| 90                     | 122,02 | 123,38 | 124,73 | 126,09 | 127,45 | 128,80 | 130,16 | 131,51 | 132,87 | 134,23 |
| 100                    | 135,58 | 136,94 | 138,29 | 139,65 | 141,00 | 142,36 | 143,72 | 145,07 | 146,43 | 147,78 |

| Conversion Nm in in.lb |        |        |        |        |        |        |        |        |        |        |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 Nm = 8,85077 in.lb   |        |        |        |        |        |        |        |        |        |        |
| Nm                     | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      |
| 0                      | 0,00   | 8,85   | 17,70  | 26,55  | 35,40  | 44,25  | 53,10  | 61,96  | 70,81  | 79,66  |
| 10                     | 88,51  | 97,36  | 106,21 | 115,06 | 123,91 | 132,76 | 141,61 | 150,46 | 159,31 | 168,16 |
| 20                     | 177,02 | 185,87 | 194,72 | 203,57 | 212,42 | 221,27 | 230,12 | 238,97 | 247,82 | 256,67 |
| 30                     | 265,52 | 274,37 | 283,22 | 292,08 | 300,93 | 309,78 | 318,63 | 327,48 | 336,33 | 345,18 |
| 40                     | 354,03 | 362,88 | 371,73 | 380,58 | 389,43 | 398,28 | 407,14 | 415,99 | 424,84 | 433,69 |
| 50                     | 442,54 | 451,39 | 460,24 | 469,09 | 477,94 | 486,79 | 495,64 | 504,49 | 513,34 | 522,20 |
| 60                     | 531,05 | 539,90 | 548,75 | 557,60 | 566,45 | 575,30 | 584,15 | 593,00 | 601,85 | 610,70 |
| 70                     | 619,55 | 628,40 | 637,26 | 646,11 | 654,96 | 663,81 | 672,66 | 681,51 | 690,36 | 699,21 |
| 80                     | 708,06 | 716,91 | 725,76 | 734,61 | 743,46 | 752,32 | 761,17 | 770,02 | 778,87 | 787,72 |
| 90                     | 796,57 | 805,42 | 814,27 | 823,12 | 831,97 | 840,82 | 849,67 | 858,52 | 867,38 | 876,23 |
| 100                    | 885,08 | 893,93 | 902,78 | 911,63 | 920,48 | 929,33 | 938,18 | 947,03 | 955,88 | 964,73 |

| Conversion in.lb in Nm |       |       |       |       |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 in.lb = 0,11298 Nm   |       |       |       |       |       |       |       |       |       |       |
| in.lb                  | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     |
| 0                      | 0,00  | 0,11  | 0,23  | 0,34  | 0,45  | 0,56  | 0,68  | 0,79  | 0,90  | 1,02  |
| 10                     | 1,13  | 1,24  | 1,36  | 1,47  | 1,58  | 1,69  | 1,81  | 1,92  | 2,03  | 2,15  |
| 20                     | 2,26  | 2,37  | 2,49  | 2,60  | 2,71  | 2,82  | 2,94  | 3,05  | 3,16  | 3,28  |
| 30                     | 3,39  | 3,50  | 3,62  | 3,73  | 3,84  | 3,95  | 4,07  | 4,18  | 4,29  | 4,41  |
| 40                     | 4,52  | 4,63  | 4,75  | 4,86  | 4,97  | 5,08  | 5,20  | 5,31  | 5,42  | 5,54  |
| 50                     | 5,65  | 5,76  | 5,87  | 5,99  | 6,10  | 6,21  | 6,33  | 6,44  | 6,55  | 6,67  |
| 60                     | 6,78  | 6,89  | 7,00  | 7,12  | 7,23  | 7,34  | 7,46  | 7,57  | 7,68  | 7,80  |
| 70                     | 7,91  | 8,02  | 8,13  | 8,25  | 8,36  | 8,47  | 8,59  | 8,70  | 8,81  | 8,93  |
| 80                     | 9,04  | 9,15  | 9,26  | 9,38  | 9,49  | 9,60  | 9,72  | 9,83  | 9,94  | 10,06 |
| 90                     | 10,17 | 10,28 | 10,39 | 10,51 | 10,62 | 10,73 | 10,85 | 10,96 | 11,07 | 11,19 |
| 100                    | 11,30 | 11,41 | 11,52 | 11,64 | 11,75 | 11,86 | 11,98 | 12,09 | 12,20 | 12,31 |






# 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.

| <br>a x b<br>mm | TORQUE in Nm (min) |          |
|--|--------------------|----------|
|  | handuse            | poweruse |
| 0,3 x 2,0  | 0,18               | 0,20     |
| 0,4 x 2,0  | 0,30               | 0,35     |
| 0,4 x 2,5  | 0,40               | 0,45     |
| 0,5 x 3,0  | 0,70               | 0,80     |
| 0,5 x 3,5  | 0,90               | 0,98     |
| 0,6 x 3,5  | 1,30               | 1,40     |
| 0,6 x 4,0  | 1,40               | 1,61     |
| 0,6 x 4,5  | -                  | 1,80     |
| 0,8 x 4,0  | 2,60               | 2,90     |
| 0,8 x 4,5  | 2,88               |          |
| 0,8 x 5,0  | 3,20               | 3,58     |
| 0,8 x 5,5  | 3,50               | 3,90     |
| 1,0 x 5,5  | 5,50               | 6,20     |
| 1,0 x 6,5  | 6,50               | 7,28     |
| 1,0 x 7,0  | 7,0                | 7,80     |
| 1,2 x 6,5  | 9,40               | 10,50    |
| 1,2 x 7,0  | 10,0               | 11,28    |
| 1,2 x 8,0  | 11,5               | 12,90    |
| 1,4 x 9,0  | 17,6               | 19,70    |
| 1,5 x 13   | 29                 | 32       |
| 1,6 x 8,0  | 20,5               | 22,9     |
| 1,6 x 9,0  | 23                 | 25       |
| 1,6 x 10   | 25,6               | 28,7     |
| 2,0 x 12   | 48,0               | 53       |
| 2,0 x 13   | 52                 | 58       |
| 2,5 x 14   | 87                 | 98       |
| 2,5 x 16   | 100                | 112      |
| 3,0 x 18   | 162                | 181      |


### Important device:

After TORQUE testing with the minimum value, screwdrivers shall not show any deformation or injuries at the tip.



## Hexagon Tools


Drives: DIN ISO 2936. TORQUE values evaluated in test gages according to DIN ISO 2936 on TORQUE testing equipment.

| <br>SW<br>(mm) | TORQUE in Nm (min) |
|---|--------------------|
| 0,7   | 0,08               |
| 0,9   | 0,18               |
| 1,3   | 0,53               |
| 1,5   | 0,82               |
| 2,0   | 1,9                |
| 2,5   | 3,8                |
| 3   | 6,6                |
| 3,5   | 11                 |
| 4   | 16                 |
| 4,5   | 24                 |
| 5   | 30                 |
| 6   | 52                 |
| 7   | 78                 |
| 8   | 120                |
| 9   | 180                |
| 10  | 220                |
| 11  | 295                |
| 12  | 370                |
| 13  | 480                |
| 14  | 590                |
| 17  | 1000               |
| 19  | 1000               |
| 22  | 1000               |
| 24  | 1000               |
| 27  | 1000               |



## 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.

| <br>TORQUE in Nm (min) | 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 TORX® and TORX PLUS® drive

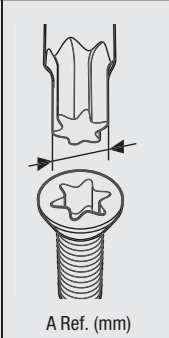
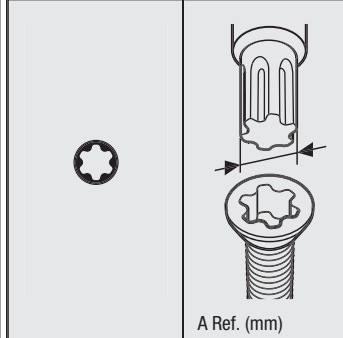
TORQUE values evaluated with testing gages of Acument Global Technologies Inc., licensor of TORX® and TORX PLUS®.

|  | TORQUE in Nm (min.) |           |              |            |           |              |
|---|---------------------|-----------|--------------|------------|-----------|--------------|
|   | TORX®               |           |              | TORX PLUS® |           |              |
|   | 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

## TORX® Recess Screws

## TORX PLUS® Recess Screws

|  |       |  |       |
|---|-------|---|-------|
| A Ref. (mm)   |       | A Ref. (mm)   |       |
| TX 1  | 0,84  | 1 IP  | 0,84  |
| TX 2  | 0,94  | 2 IP  | 0,95  |
| TX 3  | 1,12  | 3 IP  | 1,13  |
| TX 4  | 1,30  | 4 IP  | 1,29  |
| TX 5  | 1,37  | 5 IP  | 1,41  |
| TX 6  | 1,65  | 6 IP  | 1,69  |
| TX 7  | 1,97  | 7 IP  | 1,97  |
| TX 8  | 2,30  | 8 IP  | 2,29  |
| TX 9  | 2,48  | 9 IP  | 2,48  |
| TX 10   | 2,72  | 10 IP   | 2,72  |
| TX 15   | 3,26  | 15 IP   | 3,25  |
| TX 20   | 3,84  | 20 IP   | 3,84  |
| TX 25   | 4,40  | 25 IP   | 4,39  |
| TX 27   | 4,96  | 27 IP   | 4,95  |
| TX 30   | 5,49  | 30 IP   | 5,49  |
| TX 40   | 6,60  | 40 IP   | 6,60  |
| TX 45   | 7,77  | 45 IP   | 7,77  |
| TX 50   | 8,79  | 50 IP   | 8,79  |
| TX 55   | 11,17 | 55 IP   | 11,16 |
| TX 60   | 13,20 | 60 IP   | 13,20 |
| TX 70   | 15,49 | 70 IP   | 15,48 |



## Contact us

All regions (except for North America, UK and Republic of Ireland)

**Wera Werkzeuge GmbH** Germany  
Korzterter Straße 21-25  
D-42349 Wuppertal

Phone: +49 (0) 202 / 40 45-0  
Fax: +49 (0) 202 / 40 36 34  
E-Mail: [lbuchholz@wera.de](mailto:lbuchholz@wera.de)

Internet:  
[www.wera.de](http://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](mailto:info@weratools.com)

Internet:  
[www.weratools.com](http://www.weratools.com)

### 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](mailto:queries@wera-tools.co.uk)

Internet:  
[www.wera-tools.co.uk](http://www.wera-tools.co.uk)

