Wera
BE A TOOL REBEL

Precision Fastening Tools for Electronic Assembly

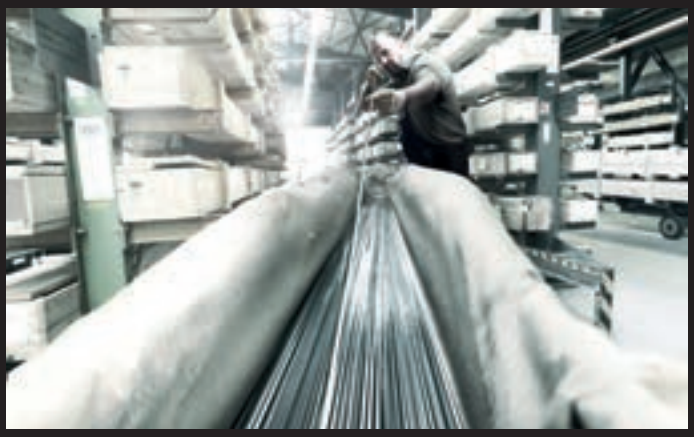
Precision engineered tools for the challenges of Electronic Manufacturing Services (EMS)

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.

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.

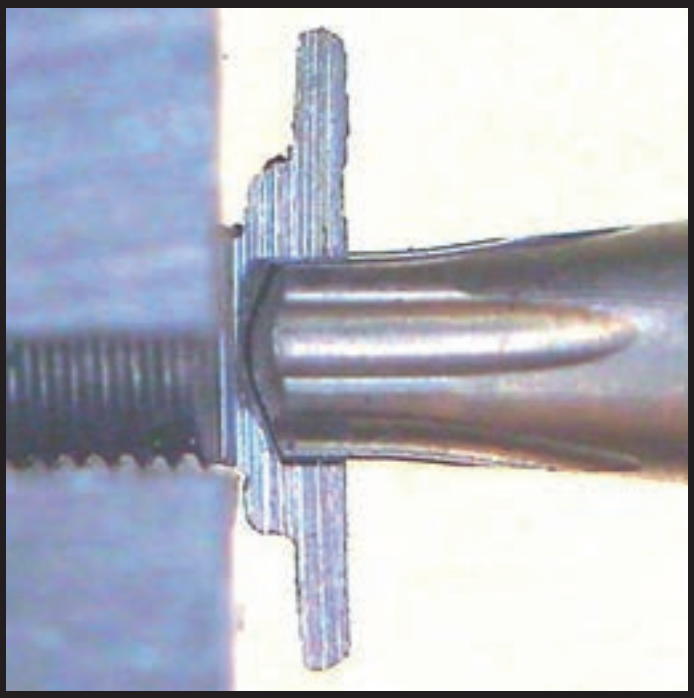
R & D / QC

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 importantly, 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!

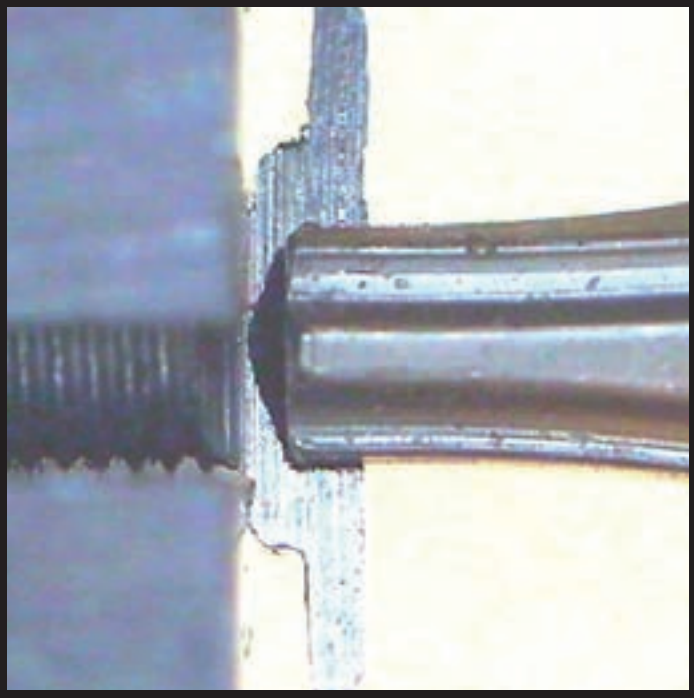
Excellent and well-defined TORX PLUS® geometry – to assure optimum fit.

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 optimzed fit – no performance.



The Wera Torque Service

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

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

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

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

Drive Bits & Adaptors

Bits for Phillips Screws

¼" 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
051**35530**001 [1]	PH 00	50	2"	2,0
053**80200**001 [1]	PH 00	89	3 1/2"	2,0
051**35531**001 [2]	PH 0	50	2"	2,5
053**80201**001 [2]	PH 0	89	3 1/2"	2,5
051**35532**001	PH 1	50	2"	4,5
053**80202**001	PH 1	89	3 1/2"	4,5

[1] Optimised for Asian PH screws

[2] Size 0 modificated 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
050**59755**001	PH 1	70	2 3/4"	4,5
050**59760**001	PH 1	89	3 1/2"	4,5
050**59765**001	PH 1	127	5"	4,5
050**59766**001	PH 1	152	6"	4,5
050**59770**001	PH 2	70	2 3/4"	6,0
050**59775**001	PH 2	89	3 1/2"	6,0
050**59780**001	PH 2	110	4 3/8"	6,0
050**59785**001	PH 2	127	5"	6,0
050**59786**001	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	
050**59805**001	PH 1	50	2"
050**59810**001	PH 2	50	2"
050**59815**001	PH 3	50	2"

4 mm Halfmoon direct drive (series 9)

851/9 C J PH bits, halfmoon

Application: Phillips screws
Drive: Halfmoon, 4 mm
Design: Hard

		mm		mm	mm	
051**34605**001 [1]	PH 000	44	1 47/64"	1,5	20	25/32"
051**34606**001 [1]	PH 000	64	2 33/64"	1,5	20	25/32"
051**35270**001 [1]	PH 00	44	1 47/64"	1,8	20	25/32"
051**35271**001 [1]	PH 00	64	2 33/64"	1,8	20	25/32"
051**35272**001 [2]	PH 0	44	1 47/64"	1,8	20	25/32"
051**35273**001 [2]	PH 0	64	2 33/64"	1,8	20	25/32"
051**35274**001 [2]	PH 0	44	1 47/64"	2,0	20	25/32"
051**35275**001 [2]	PH 0	64	2 33/64"	2,2	20	25/32"
051**35278**001 [2]	PH 0	44	1 47/64"	2,2	20	25/32"
051**35276**001 [1]	PH 1	44	1 47/64"	3,0	20	25/32"
051**35277**001 [1]	PH 1	64	2 33/64"	3,0	20	25/32"
051**34607**001	PH 2	44	1 47/64"	4,0	-	
051**34608**001	PH 2	64	2 33/64"	4,0	-	

[1] Optimised for Asian PH screws

[2] Size 0 modificated 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

		mm		mm
05**135280**001 [1]	PH 00	40	1 9/16“	1,8
05**135281**001 [1]	PH 00	60	2 3/8“	1,8
05**135284**001 [2]	PH 0	40	1 9/16“	1,8
05**135285**001 [2]	PH 0	60	2 3/8“	1,8
05**135286**001 [2]	PH 0	40	1 9/16“	2,0
05**135287**001 [2]	PH 0	60	2 3/8“	2,0
05**135288**001 [2]	PH 0	40	1 9/16“	2,5
05**135289**001 [2]	PH 0	60	2 3/8“	2,5
05**135290**001	PH 1	40	1 9/16“	3,0
05**135291**001	PH 1	60	2 3/8“	3,0

[1] Size 00 modificated according to JCIS 00 (Japanese Camera Industrial Standard)

[2] Size 0 modificated 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

		mm		mm	mm	
05**135380**001 [1]	PH 00	60	2 3/8“	2,0	20	25/32“
05**135381**001 [2]	PH 0	60	2 3/8“	2,0	20	25/32“
05**135382**001 [2]	PH 0	80	3 1/8“	2,0	20	25/32“
05**135383**001 [2]	PH 0	60	2 3/8“	2,5	20	25/32“
05**135384**001 [2]	PH 0	80	3 1/8“	2,5	20	25/32“
05**135385**001	PH 1	60	2 3/8“	3,0	20	25/32“
05**135386**001	PH 1	80	3 1/8“	3,0	20	25/32“
05**135387**001	PH 1	100	4“	3,0	20	25/32“

[1] Size 00 modificated according to JCIS 00 (Japanese Camera Industrial Standard)

[2] Size 0 modificated 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

¼" 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

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

867/4 KK TORX® bits

BALL END

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

		mm	
05**059700**001	TX 10	89	3 1/2"
05**059701**001	TX 15	89	3 1/2"
05**059702**001	TX 20	89	3 1/2"
05**059703**001	TX 25	89	3 1/2"
05**059704**001	TX 30	89	3 1/2"
05**059705**001	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

		mm		mm
05**135170**001	TX 5	50	2“	3,0
05**135171**001	TX 5	70	2 3/4“	3,0
05**135172**001	TX 6	50	2“	3,0
05**135180**001	TX 6	70	2 3/4“	3,0
05**135174**001	TX 8	50	2“	3,0
05**135182**001	TX 8	70	2 3/4“	3,0
05**135176**001	TX 10	50	2“	4,0
05**135184**001	TX 10	70	2 3/4“	4,0
05**135185**001	TX 15	50	2“	4,0
05**135186**001	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

		mm		mm
05**135220**001	TX 1	44	1 47/64“	1,5
05**135221**001	TX 2	44	1 47/64“	1,5
05**135222**001	TX 3	44	1 47/64“	1,7
05**345352**001	TX 4	44	1 47/64“	1,8
05**345018**001	TX 4	64	2 33/64“	2,0
05**345351**001	TX 5	44	1 47/64“	3,0
05**345032**001	TX 5	64	2 33/64“	2,0
05**314753**001	TX 5	70	2 3/4“	2,0
05**345350**001	TX 6	44	1 47/64“	3,0
05**345056**001	TX 6	64	2 33/64“	2,0
05**332610**001	TX 6	70	2 3/4“	3,0
05**345035**001	TX 7	64	2 33/64“	2,3
05**345026**001	TX 8	44	1 47/64“	3,0
05**345028**001	TX 8	64	2 33/64“	3,0
05**332609**001	TX 8	70	2 3/4“	3,0
05**332607**001	TX 10	70	2 3/4“	3,0

Tip

BALL END

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	
05**135400**001 [1]	TX 1	40	1 9/16 “	1,5	20	25/32 “
05**135401**001 [1]	TX 2	40	1 9/16 “	1,5	20	25/32 “
05**135402**001 [1]	TX 3	40	1 9/16 “	1,7	20	25/32 “
05**135403**001	TX 4	40	1 9/16 “	1,8	20	25/32 “
05**135404**001	TX 5	40	1 9/16 “	2,0	20	25/32 “
05**135405**001	TX 6	40	1 9/16 “	2,0	20	25/32 “
05**135406**001	TX 7	40	1 9/16 “	2,5	20	25/32 “
05**135407**001	TX 8	40	1 9/16 “	3,0	20	25/32 “
05**135408**001	TX 9	40	1 9/16 “	3,0	20	25/32 “
05**135409**001	TX 10	40	1 9/16 “	3,0	20	25/32 “

[1] 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	
05**135420**001	TX 5	60	2 3/8 “	2,0	20	25/32 “
05**135421**001	TX 6	60	2 3/8 “	2,5	20	25/32 “
05**135422**001	TX 7	60	2 3/8 “	2,5	20	25/32 “
05**135423**001	TX 8	60	2 3/8 “	3,0	20	25/32 “
05**135424**001	TX 9	60	2 3/8 “	3,0	20	25/32 “
05**135425**001	TX 10	60	2 3/8 “	3,0	20	25/32 “

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

¼" ¼" 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

		mm		mm
05**060139**001	TX 8	70	2 $^{3}/_{4}$"	3,0
05**060048**001	TX 8	89	3 $^{1}/_{2}$"	3,0
05**060049**001	TX 9	89	3 $^{1}/_{2}$"	3,0
05**060140**001	TX 10	70	2 $^{3}/_{4}$"	4,0
05**060050**001	TX 10	89	3 $^{1}/_{2}$"	4,0
05**060141**001	TX 15	70	2 $^{3}/_{4}$"	4,0
05**060051**001	TX 15	89	3 $^{1}/_{2}$"	4,0
05**060142**001	TX 20	70	2 $^{3}/_{4}$"	4,5
05**060052**001	TX 20	89	3 $^{1}/_{2}$"	4,5
05**060143**001	TX 25	70	2 $^{3}/_{4}$"	6,0
05**060053**001	TX 25	89	3 $^{1}/_{2}$"	6,0
05**060144**001	TX 27	70	2 $^{3}/_{4}$"	6,0
05**060057**001	TX 27	89	3 $^{1}/_{2}$"	6,0
05**060145**001	TX 30	70	2 $^{3}/_{4}$"	6,0
05**060054**001	TX 30	89	3 $^{1}/_{2}$"	6,0
05**060146**001	TX 40	70	2 $^{3}/_{4}$"	-
05**060056**001	TX 40	89	3 $^{1}/_{2}$"	-

Bits for TORX PLUS® Screws

¼" 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
05**134664**001	1 IP	50	2"	2,0
05**134665**001	2 IP	50	2"	2,0
05**134668**001	3 IP	50	2"	2,0
05**134691**001	4 IP	50	2"	3,0
05**134678**001	5 IP	50	2"	3,0
05**134680**001	6 IP	50	2"	3,0
05**134667**001	6 IP	89	3 $^{1}/_{2}$"	3,0
05**134690**001	6 IP	152	6"	3,0
05**134681**001	7 IP	50	2"	3,0
05**134679**001	8 IP	50	2"	3,0
05**134670**001	8 IP	89	3 $^{1}/_{2}$"	3,0
05**134682**001	8 IP	152	6"	3,0
05**160917**001	9 IP	50	2"	3,0
05**134669**001	9 IP	89	3 $^{1}/_{2}$"	3,0
05**134683**001	10 IP	50	2"	4,0
05**134684**001	10 IP	70	2 $^{3}/_{4}$"	4,0
05**134671**001	10 IP	89	3 $^{1}/_{2}$"	4,0
05**134685**001	15 IP	50	2"	4,0
05**134686**001	15 IP	70	2 $^{3}/_{4}$"	4,0
05**134672**001	15 IP	89	3 $^{1}/_{2}$"	4,0
05**134687**001	20 IP	50	2"	4,5
05**134688**001	20 IP	70	2 $^{3}/_{4}$"	4,5
05**134673**001	20 IP	89	3 $^{1}/_{2}$"	4,5
05**134674**001	25 IP	89	3 $^{1}/_{2}$"	6,0
05**134675**001	27 IP	89	3 $^{1}/_{2}$"	6,0
05**320430**001	30 IP	50	2"	6,0
05**134676**001	30 IP	89	3 $^{1}/_{2}$"	6,0
05**134677**001	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	
05**135230**001	1 IP	44	1 $^{47}/_{64}$"	1,5	20	$^{25}/_{32}$"
05**300030**001	1 IP	64	2 $^{33}/_{64}$"	1,5	20	$^{25}/_{32}$"
05**135231**001	2 IP	44	1 $^{47}/_{64}$"	1,5	20	$^{25}/_{32}$"
05**135232**001	3 IP	44	1 $^{47}/_{64}$"	1,7	20	$^{25}/_{32}$"
05**300031**001	3 IP	64	2 $^{33}/_{64}$"	1,7	20	$^{25}/_{32}$"
05**326310**001	4 IP	44	1 $^{47}/_{64}$"	2,0	20	$^{25}/_{32}$"
05**345019**001	4 IP	64	2 $^{33}/_{64}$"	2,0	20	$^{25}/_{32}$"
05**135233**001	5 IP	44	1 $^{47}/_{64}$"	2,0	20	$^{25}/_{32}$"
05**332612**001	5 IP	70	2 $^{3}/_{4}$"	3,0	20	$^{25}/_{32}$"
05**344900**001	6 IP	44	1 $^{47}/_{64}$"	2,25	20	$^{25}/_{32}$"
05**345081**001	6 IP	64	2 $^{33}/_{64}$"	2,0	20	$^{25}/_{32}$"
05**135234**001	8 IP	44	1 $^{47}/_{64}$"	3,0	20	$^{25}/_{32}$"
05**332606**001	8 IP	70	2 $^{3}/_{4}$"	3,0	20	$^{25}/_{32}$"
05**135235**001	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	
05**135430**001 [1]	1 IP	40	1 9/16"	1,5	20	25/32"
05**135431**001 [1]	2 IP	40	1 9/16"	1,5	20	25/32"
05**135432**001 [1]	3 IP	40	1 9/16"	1,7	20	25/32"
05**302402**001	4 IP	40	1 9/16"	1,8	20	25/32"
05**302403**001	5 IP	40	1 9/16"	2,0	20	25/32"
05**302400**001	6 IP	40	1 9/16"	2,0	20	25/32"
05**135433**001	7 IP	40	1 9/16"	2,5	20	25/32"
05**135434**001	8 IP	40	1 9/16"	3,0	20	25/32"
05**135435**001	9 IP	40	1 9/16"	3,0	20	25/32"
05**135436**001	10 IP	40	1 9/16"	3,0	20	25/32"

[1] Delivery on request.

5 mm HIOS direct drive (series 22)

5 mm

867/22 IP TORX PLUS® bits

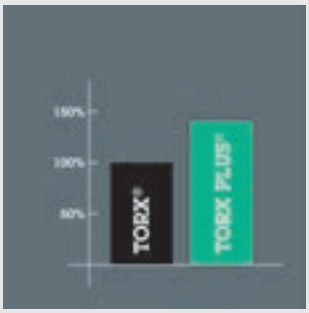
Application: TORX PLUS® screws
Drive: HIOS 5 mm
Design: Precision hardened for sensitive applications

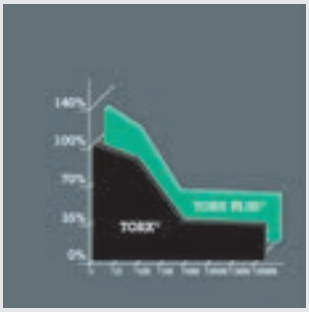
		mm		mm	mm	
05**135440**001	5 IP	60	2 3/8"	2,0	20	25/32"
05**344280**001	6 IP	60	2 3/8"	2,5	20	25/32"
05**135441**001	7 IP	60	2 3/8"	2,5	20	25/32"
05**134500**001	8 IP	60	2 3/8"	3,0	20	25/32"
05**344281**001	8 IP	80	3 1/8"	3,0	20	25/32"
05**135442**001	9 IP	60	2 3/8"	3,0	20	25/32"
05**135443**001	10 IP	60	2 3/8"	3,0	20	25/32"
05**344282**001	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

¼" 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

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

[1] 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

		mm		mm
05**200495**001 [1]	1 IPR	44	1 47/64 “	1,5
05**060380**001 [1]	1 IPR	44	1 47/64 “	1,8
05**135226**001 [1]	1 IPR	64	2 33/64 “	1,5
05**135228**001 [1]	3 IPR	44	1 47/64 “	1,8
05**135229**001 [1]	3 IPR	64	2 33/64 “	1,8

[1] 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

		mm		mm
05**300025**001 [1]	1 IPR	40	1 37/64 “	1,8
05**300037**001 [1]	1 IPR	60	2 3/8 “	1,8

[1] 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

		mm	mm	
05**066850**001	m	44	2,0	1 47/64 “
05**066851**001	00	44	2,0	1 47/64 “
05**066852**001	F	44	2,0	1 47/64 “
05**066853**001	0	44	2,0	1 47/64 “
05**066854**001	1	44	2,0	1 47/64 “

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

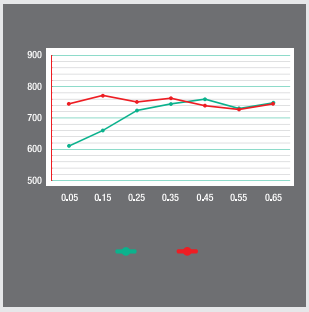
		mm	mm	
05**066860**001	m	40	2,0	1 9/16 “
05**066861**001	00	40	2,0	1 9/16 “
05**066862**001	F	40	2,0	1 9/16 “
05**066863**001	0	40	2,0	1 9/16 “
05**066864**001	1	40	2,0	1 9/16 “

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

¼" ¼" hexagon drive, suitable for F 6,3 bit holders (series 4)

840/4 Z bits

HEX-PLUS

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
05**160885**001	0,9		50	2"	2,6
05**059602**001	1,5		50	2"	2,0
05**059603**001	2,0		50	2"	4,0
05**059628**001	2,0		89	3 $^1/_2$"	4,0
05**059604**001	2,5		50	2"	4,0
05**059629**001	2,5		89	3 $^1/_2$"	4,0
05**059605**001	3,0		50	2"	4,0
05**059630**001	3,0		89	3 $^1/_2$"	4,0
05**380033**001	3,0		152	6"	4,0
05**059610**001	4,0		50	2"	5,0
05**059631**001	4,0		89	3 $^1/_2$"	5,0
05**059634**001	4,0		152	6"	5,0
05**059615**001	5,0		50	2"	6,0
05**059632**001	5,0		89	3 $^1/_2$"	6,0
05**059635**001	5,0		152	6"	6,0
05**059620**001	6,0		50	2"	5,0
05**059633**001	6,0		89	3 $^1/_2$"	-
05**059636**001	6,0		152	6"	-
05**059625**001	8,0		50	2"	-
05**350430**001		0,05"	50	2"	2,5
05**135090**001		$^1/_{16}$"	50	2"	2,5
05**380045**001		$^1/_8$"	152	6"	4,0
05**135091**001		$^5/_{64}$"	50	2"	3,0
05**059660**001		$^5/_{64}$"	89	3 $^1/_2$"	3,0
05**135092**001		$^3/_{32}$"	50	2"	3,0
05**059661**001		$^3/_{32}$"	89	3 $^1/_2$"	3,5
05**135093**001		$^7/_{64}$"	50	2"	3,5
05**059662**001		$^7/_{64}$"	89	3 $^1/_2$"	4,0
05**135094**001		$^1/_8$"	50	2"	4,0
05**059663**001		$^1/_8$"	89	3 $^1/_2$"	4,0
05**135095**001		$^9/_{64}$"	50	2"	4,5
05**059664**001		$^9/_{64}$"	89	3 $^1/_2$"	4,5
05**380046**001		$^9/_{64}$"	152	6"	4,5
05**135096**001		$^5/_{32}$"	50	2"	5,0
05**059665**001		$^5/_{32}$"	89	3 $^1/_2$"	5,0
05**380047**001		$^5/_{32}$"	152	6"	5,0
05**135097**001		$^3/_{16}$"	50	2"	6,0
05**059666**001		$^3/_{16}$"	89	3 $^1/_2$"	6,0
05**380048**001		$^3/_{16}$"	152	6"	6,0
05**135098**001		$^7/_{32}$"	50	2"	-
05**059667**001		$^7/_{32}$"	89	3 $^1/_2$"	-
05**380049**001		$^7/_{32}$"	152	6"	-
05**135099**001		$^1/_4$"	50	2"	-
05**059668**001		$^1/_4$"	89	3 $^1/_2$"	-
05**380050**001		$^1/_4$"	152	6"	-
05**346288**001		$^5/_{16}$"	50	2"	-

842/4 Bits

BALL END

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	▯
05**059680**001	3,0		89	3 $^1/_2$"
05**059681**001	4,0		89	3 $^1/_2$"
05**059682**001	5,0		89	3 $^1/_2$"
05**059683**001	6,0		89	3 $^1/_2$"
05**380124**001		$^3/_{32}$"	89	3 $^1/_2$"
05**380125**001		$^7/_{64}$"	89	3 $^1/_2$"
05**380126**001		$^1/_8$"	89	3 $^1/_2$"
05**380127**001		$^9/_{64}$"	89	3 $^1/_2$"
05**380128**001		$^5/_{32}$"	89	3 $^1/_2$"
05**380129**001		$^3/_{16}$"	89	3 $^1/_2$"
05**380130**001		$^7/_{32}$"	89	3 $^1/_2$"
05**380131**001		$^1/_4$"	89	3 $^1/_2$"

4 mm Halfmoon direct drive (series 9)
4 mm

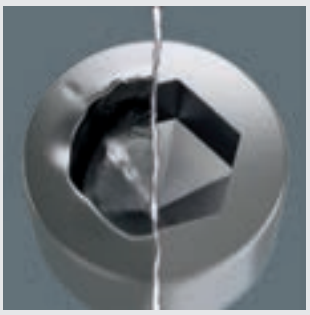
840/9 C bits Hex-Plus

Application: Hexagon socket screws
Drive: Halfmoon, 4 mm
Design: Hard

	mm	mm		mm
05**135268**001	1,5	44	1 47/64 “	2,6
05**135269**001	2,0	44	1 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

¼" ¼" hexagon drive, suitable for F 6,3 bit holders (series 4)

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

HEX-PLUS

Application: Hexagon socket screws with safety pin (BO = 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

	mm	mm		mm
05**059640**001	2,0	89	3 $^{1}/_{2}$"	4,0
05**059641**001	2,5	89	3 $^{1}/_{2}$"	4,0
05**059642**001	3,0	89	3 $^{1}/_{2}$"	4,0
05**059643**001	4,0	89	3 $^{1}/_{2}$"	5,0
05**059644**001	5,0	89	3 $^{1}/_{2}$"	6,0
05**059645**001	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

	mm	mm	mm
05**135224**001	2,5	44,0	5,0
05**135225**001	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

	mm			mm
05**051500**001	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

	mm		mm
05**051501**001	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

	mm		mm
05**051502**001	50	2“	10,0

Tip

For Halfmoon and HIOS Bits

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


Wera

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	
05**074802**001 [1]	1430 ESD	0,02-0,06	0,0025	141	5 7/16“
05**074804**001 [1]	1431 ESD	0,05-0,11	0,005	141	5 7/16“

[1] 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	
05**074786**001 [1]	7435 ESD	0,10-0,34	0,015	142	5 7/16“
05**074788**001 [1]	7436 ESD	0,30-1,00	0,05	142	5 7/16“

[1] 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	
05**074780**001 [1]	7430 ESD	1/4“	0,10-0,34	0,015	142	5 7/16“
05**074782**001 [1]	7431 ESD	1/4“	0,30-1,00	0,05	142	5 7/16“
05**074784**001 [1]	7432 ESD	1/4“	0,90-1,50	0,05	142	5 7/16“
05**074730**001	7440 ESD	1/4“	0,3-1,2	0,05	155	6“
05**074731**001	7441 ESD	1/4“	1,2-3,0	0,10	155	6“

[1] 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.

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	
05**074733**001	7445 ESD	1/4“	2,5-11,5	0,5	155	6“
05**074734**001	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	
05**074800**001	1460 ESD	0,035	0,02-0,06	131	5 1/4“
05**074800**010 [1]	1460 ESD	0,035	0,02-0,06	131	5 1/4“
05**074810**001	1461 ESD	0,050	0,05-0,11	131	5 1/4“
05**074810**010 [1]	1461 ESD	0,050	0,05-0,11	131	5 1/4“

[1] 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	
05**074826**001	7455 ESD	89	0,015	0,1-0,34	138	5 1/4“
05**074826**010 [1]	7455 ESD	89	0,015	0,1-0,34	138	5 1/4“
05**074828**001	7456 ESD	89	0,035	0,3-1,0	138	5 1/4“
05**074828**010 [1]	7456 ESD	89	0,035	0,3-1,0	138	5 1/4“

[1] Other pre-set values within the adjustable range can be delivered on request

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

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

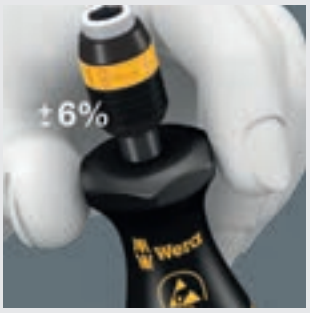
Handle: Kraftform with non-roll feature, multi-component

	Art.No.	mm		Nm	Nm	mm	
05**074820**001	7450 ESD	89	1/4“	0,1	0,1-0,34	133	5 1/4“
05**074820**010 [1]	7450 ESD	89	1/4“	0,1	0,1-0,34	133	5 1/4“
05**074822**001	7451 ESD	89	1/4“	0,3	0,3-1,0	133	5 1/4“
05**074822**010 [1]	7451 ESD	89	1/4“	0,3	0,3-1,0	133	5 1/4“
05**074824**001	7452 ESD	89	1/4“	0,9	0,9-1,5	133	5 1/4“
05**074824**010 [1]	7452 ESD	89	1/4“	0,9	0,9-1,5	133	5 1/4“
05**074840**001	7460 ESD	105	1/4“	0,3	0,3-1,2	155	6“
05**074840**010 [1]	7460 ESD	105	1/4“	0,3	0,3-1,2	133	6“
05**074842**001	7461 ESD	105	1/4“	1,2	1,2-3,0	155	6“
05**074842**010 [1]	7461 ESD	105	1/4“	1,2	1,2-3,0	155	6“

[1] Other pre-set values within the adjustable range can be delivered on request

Tip

Kraftform 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 Kraftform 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		
05**030101**001	0,23	1,5	40	97	2,5	1/16“	1 9/16“
05**030100**001	0,25	1,2	40	97	2,5	0,05“	1 9/16“
05**030102**001	0,30	1,8	60	97	2,5	0,07“	2 3/8“
05**030108**001	0,35	2,5	40	97	2,5	3/32“	1 9/16“
05**030103**001	0,40	2,0	60	97	2,5	5/64“	2 3/8“
05**030104**001	0,40	2,5	80	97	2,5	3/32“	3 1/8“
05**030105**001	0,50	3,0	80	97	3,0	1/8“	3 1/8“
05**030106**001	0,60	3,5	80	97	4,0	9/64“	3 1/8“
05**030107**001	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

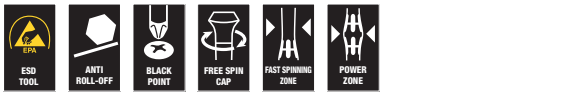
		mm	mm	∅ mm	
05**030117**001 [1) 2)]	PH 000	40	97	1,5/2,5	1 9/16“
05**030118**001 [1) 2)]	PH 00	40	97	1,8/2,5	1 9/16“
05**030110**001 [2)]	PH 00	60	97	1,8/2,5	2 3/8“
05**030119**001 [3)]	PH 0	40	97	3,0	1 9/16“
05**030111**001 [3)]	PH 0	60	97	3,0	2 3/8“
05**030112**001	PH 1	80	97	4,0	3 1/8“

[1)] Optimised for Asian PH screws

[2)] On the output side, the blade is turned to a nominal length of 10 mm.

[3)] Size 0 modificated according to JCIS 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	
05**030115**001	PZ 0	60	97	3,0	2 3/8“
05**030116**001	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	
05**030120**001	TX 4	40	97	2,5	1 9/16“
05**030121**001	TX 5	40	97	3,0	1 9/16“
05**030122**001	TX 6	40	97	3,0	1 9/16“

1567 TORX® HF Kraftform 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: Kraftform Micro with non-roll feature and rotating cap, multi-component

		mm	mm	mm	
05**030400**001	TX 4	40	97	2,5	1 9/16“
05**030401**001	TX 5	40	97	3,0	1 9/16“
05**030402**001	TX 6	40	97	3,0	1 9/16“
05**030403**001	TX 7	60	97	3,0	2 3/8“
05**030404**001	TX 8	60	97	3,0	2 3/8“
05**030405**001	TX 9	60	97	4,0	2 3/8“
05**030406**001	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

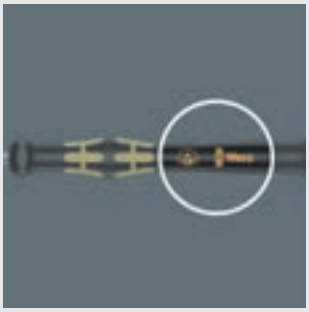
Design: Bore hole in TORX® section, chrome-plated, Black Point

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

		mm	mm	mm	
05**030131**001	TX 10	80	81	4,0	3 1/8“
05**030127**001	TX 15	80	98	4,0	3 1/8“
05**030128**001	TX 20	100	98	4,5	4“
05**030129**001	TX 25	100	98	5,0	4“
05**030130**001	TX 30	115	98	6,0	4 9/16“

Tip

Rotating cap and fast-turning zone

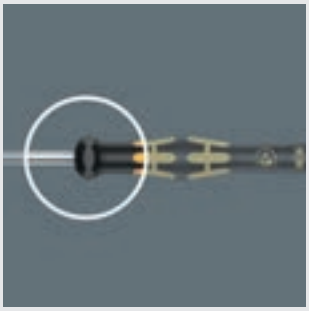


The fast-turning zone just below the rotating cap allow rapid twisting. This makes time-consuming grip adjustments as with other conventional precision screwdrivers unnecessary.

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	
05**030080**001	m	40	97	2,5	1 9/16“
05**030081**001	00	40	97	2,5	1 9/16“
05**030082**001	F	40	97	2,5	1 9/16“
05**030083**001	0	40	97	2,5	1 9/16“
05**030084**001	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

05**030170**001	
1550 PH Micro	1 x PH 0x60 [1]; 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

[1] Size 0 modificated 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	
05**030410**001	1,5	60	97	5,7	2 3/8“
05**030411**001	1,8	60	97	5,7	2 3/8“
05**030412**001	2,0	60	97	5,7	2 3/8“
05**030413**001	2,5	60	97	5,7	2 3/8“
05**030414**001	3,0	60	97	5,7	2 3/8“
05**030415**001	3,2	60	97	5,7	2 3/8“
05**030416**001	3,5	60	97	5,7	2 3/8“
05**030417**001	4,0	60	97	5,7	2 3/8“
05**030418**001	4,5	60	97	6,4	2 3/8“
05**030150**001	5,0	60	97	7,0	2 3/8“
05**030151**001	5,5	60	97	7,8	2 3/8“

1550/6 ESD Screwdriver set and rack for electronic applications

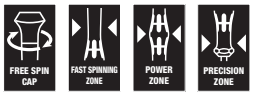
Application: Slotted, Phillips, TORX PLUS® IPR and Microstix screws

Content: 6-piece set and rack in display carton

05**030180**001	
1550 PH Micro	1 x PH 000x40 [1] [2]; 1 x PH 00x40 [1] [2]; 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

[1] Optimised for Asian PH screws
[2] 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

	mm	mm	
05**300004**001	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

		mm
05**051464**001	$^{1}/_{4}$“	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 ¼" 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
05**051273**001	1/4“	90

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	
05**051106**001	1/4“	10	54	3/8“

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	
05**328463**001	1/4“	100	112	4“

Kraftform Kompakt Micro 20 ESD 1

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

05**073671**001	
1013 Kraftform Micro ESD	1 x 97
851/9 C	1 x PH 00x44 [1]; 1 x PH 0x44 [2]; 1 x PH 1x44 [1]
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

[1] Optimised for Asian PH screws

[2] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

Kraftform Kompakt Micro 11 ESD 1

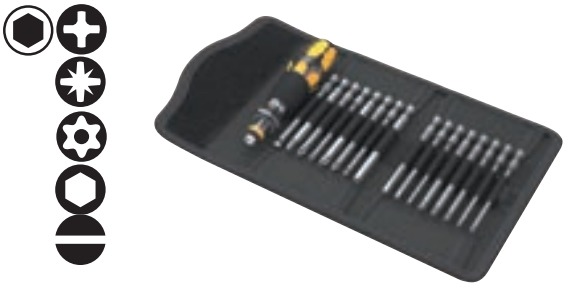
11-piece set
Pouch with 44 mm bits
1 Kraftform Micro ESD bitholding screwdriver

05**073670**001		
	1013 Kraftform Micro ESD	1 x 97
	851/9 C	1 x PH 00x44 [1]; 1 x PH 0x44 [2]; 1 x PH 1x44 [1]
	867/9 C TORX®	1 x TX 5x44; 1 x TX 6x44
	800/9 C	1 x 0,23x1,5x44; 1 x 0,40x2,0x44; 1 x 0,50x3,0x44
	840/9 C	1 x 1,5x44; 1 x 2,0x44

[1] Optimised for Asian PH screws

[2] Size 0 modificated 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

05**051043**001		
	816 R ESD	1 x 1/4“x119
	851/4 Z PH	1 x PH 1x89; 1 x PH 2x89; 1 x PH 3x89
	855/4 Z PZ	1 x PZ 1x89; 1 x PZ 2x89; 1 x PZ 3x89
	867/4 Z TORX® BO	1 x TX 10x89; 1 x TX 15x89; 1 x TX 20x89; 1 x TX 25x89; 1 x TX 30x89
	840/4 Z Hex-Plus	1 x 3,0x89; 1 x 4,0x89; 1 x 5,0x89; 1 x 6,0x89
	800/4 Z	1 x 1,0x5,5x89

Kraftform Kompakt Micro 21 ESD 1

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

05**135973**001		
	1013 Kraftform Micro ESD	1 x 97
	851/9 C	1 x PH 000x44 [1]; 1 x PH 00x44 [1]; 1 x PH 0x44 [2]
	867/9 C TORX®	1 x TX 1x44; 1 x TX 2x44; 1 x TX 3x44; 1 x TX 4x44; 1 x TX 5x44
	867/9 C TORX PLUS®	1 x 1 IPx44; 1 x 2 IPx44; 1 x 3 IPx44; 1 x 4 IPx44
	867/9 IPR TORX® PLUS	1 x 1 IPRx44
	872/9	1 x mx44; 1 x 00x44; 1 x Fx44; 1 x 0x44
	800/9 C	1 x 0,23x1,5x44; 1 x 0,35x2,5x44
	869/9	1 x 2,5x44,0

[1] Optimised for Asian PH screws

[2] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

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	
05**074770**001 [1]	7430	89	1/4“	0,10-0,34	0,015	142	5 7/16“
05**074772**001 [1]	7431	89	1/4“	0,30-1,00	0,05	142	5 7/16“
05**074774**001 [1]	7432	89	1/4“	0,90-1,50	0,05	142	5 7/16“
05**074700**001	7440	105	1/4“	0,3-1,2	0,05	155	6“
05**074701**001	7441	105	1/4“	1,2-3,0	0,10	155	6“

[1] 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		
05**074702**001	7442	1/4“	3,0-6,0	0,25	150	100	4“	1
05**074705**001	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.

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	
05**074710**001	7445	1/4“	2,5-11,5	0,5	155	6“
05**074711**001	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		
05**074712**001	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 ¼" 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

05**074738**001		
◉	**7400**	1 x 7440, 1/4“, 0,3-1,2 Nm; 1 x 7441, 1/4“, 1,2-3,0 Nm
✪	**867/1 TZ TORX®**	1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25; 1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25
✪	**867/1 IP TORX PLUS®**	1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25; 1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25; 1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25
○	**840/1 Z Hex-Plus**	1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25

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

05**074739**001		
◉	**7400**	1 x 7440, 1/4“, 0,3-1,2 Nm; 1 x 7441, 1/4“, 1,2-3,0 Nm
◉	**7400 Pistole**	1 x 7442, 3,0-6,0 Nm
✪	**867/1 TZ TORX®**	1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25; 1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25
✪	**867/1 IP TORX PLUS®**	1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25; 1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25; 1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25
○	**840/1 Z Hex-Plus**	1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25; 1 x 5,0x25; 1 x 6,0x25

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

05**350451**001		
◉	**7400 inch**	1 x 7445, 2,5-11,5 in, lbs,; 1 x 7446, 11,0-29,0 in, lbs,
◉	**7400 Pistole inch**	1 x 7447, 25,0-55,0 in, lbs,
✪	**867/1 TZ TORX®**	1 x TX 6x25; 1 x TX 7x25; 1 x TX 8x25; 1 x TX 9x25; 1 x TX 10x25; 1 x TX 15x25; 1 x TX 20x25; 1 x TX 25x25; 1 x TX 30x25
✪	**867/1 IP TORX PLUS®**	1 x 6 IPx25; 1 x 7 IPx25; 1 x 8 IPx25; 1 x 9 IPx25; 1 x 10 IPx25; 1 x 15 IPx25; 1 x 20 IPx25; 1 x 25 IPx25; 1 x 30 IPx25
○	**840/1 Z Hex-Plus**	1 x 2,0x25; 1 x 2,5x25; 1 x 3,0x25; 1 x 4,0x25; 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.

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	
05**074790**001	7450	89	1/4“	0,1	0,1-0,34	133	5 1/4“
05**074790**010 [1]	7450	89	1/4“	0,1	0,1-0,34	133	5 1/4“
05**074792**001	7451	89	1/4“	0,3	0,3-1,0	133	5 1/4“
05**074792**010 [1]	7451	89	1/4“	0,3	0,3-1,0	133	5 1/4“
05**074794**001	7452	89	1/4“	0,9	0,9-1,5	133	5 1/4“
05**074794**010 [1]	7452	89	1/4“	0,9	0,9-1,5	133	5 1/4“
05**074715**001	7460	105	1/4“	0,3	0,3-1,2	155	6“
05**074715**010 [1]	7460	105	1/4“	0,3	0,3-1,2	155	6“
05**074716**001	7461	105	1/4“	1,2	1,2-3,0	155	6“
05**074716**010 [1]	7461	105	1/4“	1,2	1,2-3,0	155	6“

[1] 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	
05**074720**001	7465	1/4“	2,5	2,5-11,5	155	6“
05**074720**010 [1]	7465	1/4“	2,5	2,5-11,5	155	6“
05**074722**001	7466	1/4“	11,0	11,0-29,0	155	6“
05**074722**010 [1]	7466	1/4“	11,0	11,0-29,0	155	6“

[1] 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

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: 3.0 Nm, 4.0 Nm

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

Handle: Kraftform pistol grip, multi-component

	Art.No.		Nm	Nm	mm	mm		
05**074717**001	7462	1/4“	3,0	3,0-6,0	150	100	6“	4“
05**074717**010 [1]	7462	1/4“	3,0	3,0-6,0	150	100	6“	4“
05**074728**001	7463	1/4“	4,0	4,0-8,8	150	100	6“	4“
05**074728**010 [1]	7463	1/4“	4,0	4,0-8,8	150	100	6“	4“

[1] Other pre-set values within the adjustable range can be delivered on request

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

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

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

Pre-set torque: 25.0 in. lbs.

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

Handle: Kraftform pistol grip, multi-component

	Art.No.		in. lbs.	in. lbs.	mm	mm		
05**074721**001	7467	1/4“	25,0	25,0-55,0	150	100	6“	4“
05**074721**010 [1]	7467	1/4“	25,0	25,0-55,0	150	100	6“	4“

[1] 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		
05**117990**001	0,16	0,8	40	97	2,0	1/32“	1 9/16“
05**117991**001	0,18	1,0	40	97	2,0	0,04“	1 9/16“
05**117992**001	0,20	1,2	40	97	2,0	0,05“	1 9/16“
05**118002**001	0,23	1,5	40	97	2,0	1/16“	1 9/16“
05**118003**001	0,23	1,5	60	97	2,0	1/16“	2 3/8“
05**118000**001	0,25	1,2	40	97	2,0	0,05“	1 9/16“
05**117993**001	0,30	1,8	40	97	2,0	0,07“	1 9/16“
05**118004**001	0,30	1,8	60	97	2,0	0,07“	2 3/8“
05**117997**001	0,35	2,5	40	97	2,5	0,07“	1 9/16“
05**118017**001	0,30	2,0	50	97	2,0	0,07“	2“
05**118005**001	0,40	2,0	40	97	2,5	5/64“	1 9/16“
05**118006**001	0,40	2,0	60	97	2,5	5/64“	2 3/8“
05**118007**001	0,40	2,0	100	97	2,5	5/64“	4“
05**117994**001	0,40	2,5	50	97	2,5	3/32“	2“
05**118008**001	0,40	2,5	80	97	2,5	3/32“	3 1/8“
05**117995**001	0,50	3,0	50	97	3,0	1/8“	2“
05**118010**001	0,50	3,0	80	97	3,0	1/8“	3 1/8“
05**118012**001	0,60	3,5	80	97	4,0	9/64“	3 1/8“
05**118014**001	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

		mm	mm	mm	
05**345290**001 [1) 2)]	PH 000	40	97	1,5/2,5	1 9/16“
05**118019**001 [1) 2)]	PH 00	40	97	1,8/2,5	1 9/16“
05**118020**001 [1)]	PH 00	60	97	2,5	2 3/8“
05**118026**001 [3)]	PH 0	40	97	3,0	1 9/16“
05**118022**001 [3)]	PH 0	60	97	3,0	2 3/8“
05**118023**001	PH 1	60	97	4,0	2 3/8“
05**118024**001	PH 1	80	97	4,0	3 1/8“

[1)] Optimised for Asian PH screws

[2)] On the output side, the blade is turned to a nominal length of 10 mm.

[3)] Size 0 modificated 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	
05**118030**001	PZ 0	60	97	3,0	2 3/8“
05**118032**001	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	
05**118180**001	TX 4	40	97	2,5	1 9/16“
05**118181**001	TX 5	40	97	3,0	1 9/16“
05**118182**001	TX 6	40	97	3,0	1 9/16“
05**118183**001	TX 7	60	97	3,0	2 3/8“
05**118184**001	TX 8	60	97	3,0	2 3/8“
05**118185**001	TX 9	60	97	4,0	2 3/8“
05**118186**001	TX 10	60	97	4,0	2 3/8“

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	
05**118035**001	TX 1	40	97	2,0	1 9/16 “
05**118036**001	TX 2	40	97	2,0	1 9/16 “
05**118037**001	TX 3	40	97	2,0	1 9/16 “
05**118039**001	TX 4	40	97	2,5	1 9/16 “
05**118040**001	TX 5	40	97	3,0	1 9/16 “
05**118042**001	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

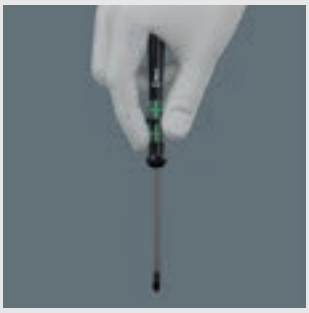
	✪	mm	mm	∅ mm	
05**118044**001	TX 7	60	97	3,0	1 9/16 “
05**118046**001	TX 8	60	97	3,0	2 3/8 “
05**118048**001	TX 9	60	97	4,0	2 3/8 “
05**118050**001	TX 10	60	97	4,0	2 3/8 “
05**118052**001	TX 15	60	97	4,0	2 3/8 “
05**118054**001	TX 20	60	97	4,0	2 3/8 “

Tip

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	
05**030160**001 [1]	1 IPR	44	97	2,0	1 47/64“

[1] Without bore hole

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	
05**118145**001	m	40	97	2,5	1 9/16“

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	
05**118060**001	0,7		40	97	3,0	1 9/16“
05**118062**001	0,9		40	97	3,0	1 9/16“
05**118064**001	1,3		40	97	3,0	1 9/16“
05**118066**001	1,5		60	97	3,0	2 3/8“
05**118068**001	2		60	97	3,0	2 3/8“
05**118070**001	2,5		60	97	4,0	2 3/8“
05**118072**001	3,0		60	97	4,0	2 3/8“
05**345284**001	-	0,028“	40	97	3,0	1 9/16“
05**345285**001	-	0,035“	40	97	3,0	1 9/16“
05**118074**001	-	0,05“	40	97	3,0	1 9/16“
05**118076**001	-	1/16“	60	97	3,0	2 3/8“
05**118078**001	-	5/64“	60	97	3,0	2 3/8“
05**118080**001	-	3/32“	60	97	4,0	2 3/8“
05**118082**001	-	7/64“	60	97	4,0	2 3/8“
05**118075**001	-	1/8“	60	97	4,0	2 3/8“

2052 Ball end hexagon screwdriver for electronic applications

Application: Hexagon socket screws

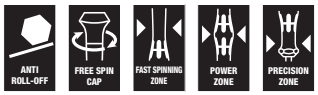
Blade: Round

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

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

	mm		mm	mm	mm	
05**118089**001	1,3		60	97	3,0	2 3/8“
05**118090**001	1,5		60	97	3,0	2 3/8“
05**118092**001	2,0		60	97	3,0	2 3/8“
05**118094**001	2,5		60	97	4,0	2 3/8“
05**118096**001	3,0		60	97	4,0	2 3/8“
05**118098**001	-	1/16“	60	97	3,0	2 3/8“
05**118100**001	-	5/64“	60	97	3,0	2 3/8“
05**118102**001	-	3/32“	60	97	3,0	2 3/8“
05**118106**001	-	7/64“	60	97	4,0	2 3/8“
05**118103**001	-	1/8“	60	97	4,0	2 3/8“

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
05**027456**001	1,0	3,5	50	97

Tip

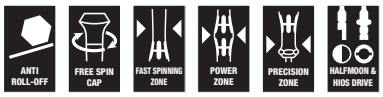
Hexagon ball tip

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.

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)

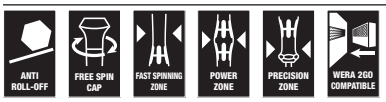
Design: With quick-release chuck for rapid bit change

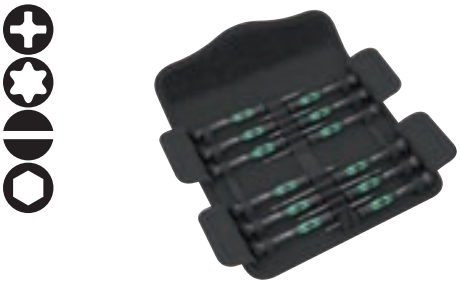
Handle: Kraftform Micro with non-roll feature and rotating cap, multi-component

	mm	mm	
05**051276**001	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

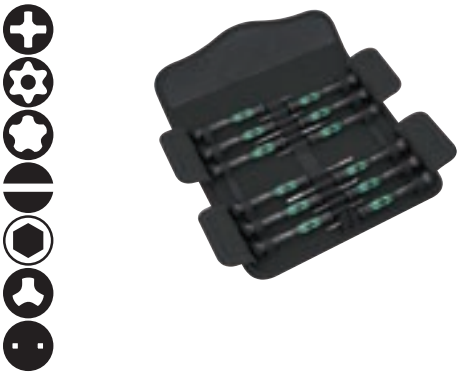
Content: 12-piece set, in a belt pouch

05**073675**001		
	2050 PH Micro	1 x PH 00x60 [1]; 1 x PH 0x60 [2]
	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

[1] Optimised for Asian PH screws

[2] Size 0 modificated according to JCIS 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

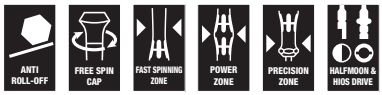
05**073677**001		
	2050 PH Micro	1 x PH 000x40 [1] [2]; 1 x PH 00x40 [1] [2]; 1 x PH 0x40 [3]
	2067 TORX® BO Micro	1 x TX 8x60; 1 x TX 10x60
	2067 IPR Micro	1 x 1 IPRx44
	2035 Micro	1 x 0,23x1,5x40; 1 x 0,35x2,5x40
	2069 Micro	1 x 2,5x60; 1 x 3,0x60
	2072	1 x mx40
	1429	1 x 1,0x3,5x50

[1] Optimised for Asian PH screws

[2] On the output side, the blade is turned to a nominal length of 10 mm.

[3] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

Kraftform Kompakt Micro 11 Universal 1



11-piece set
Pouch with 44 mm bits
1 Kraftform Micro bitholding screwdriver 1013

05**135938**001		
	1013 Kraftform Micro	1 x 97
	851/9 C	1 x PH 00x44 [1]; 1 x PH 0x44 [2]; 1 x PH 1x44 [1]
	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 C TORX®	1 x TX 5x44; 1 x TX 6x44

[1] Optimised for Asian PH screws

[2] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

Tip

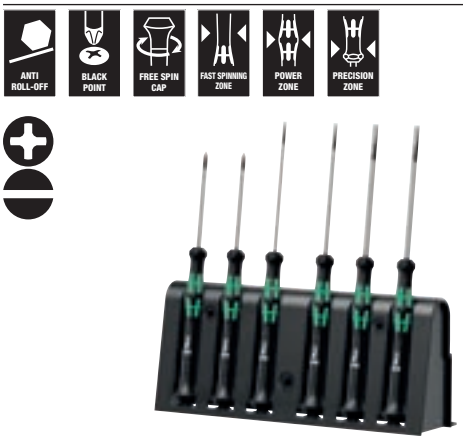
1013 Kraftform Micro bitholding screwdriver

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

Series Kraftform Micro

The refined screwdriver 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

05**1181500**01	
⊕	**2050 PH Micro** 1 x PH 00x60 [1]; 1 x PH 0x60 [2]
⊖	**2035 Micro** 1 x 0,30x1,8x60; 1 x 0,40x2,0x60; 1 x 0,40x2,5x80; 1 x 0,50x3,0x80

[1] Optimised for Asian PH screws

[2] Size 0 modificated according to JCIS 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

05**1181520**01	
⊕	**2050 PH Micro** 1 x PH 0x60 [1]; 1 x PH 1x80
⊖	**2035 Micro** 1 x 0,40x2,5x80; 1 x 0,50x3,0x80; 1 x 0,60x3,5x80; 1 x 0,80x4,0x80

[1] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

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

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

Content: 6-piece set and rack in display carton

05**1181540**01	
✪	**2067 TORX® BO Micro** 1 x TX 7x60; 1 x TX 8x60; 1 x TX 9x60; 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

05**0301810**01	
⊕	**2050 PH Micro** 1 x PH 000x40 [1] [2]; 1 x PH 00x40 [1] [2]; 1 x PH 0x40 [3]
✪	**2067 IPR Micro** 1 x 1 IPRx44
✪	**2072** 1 x mx40
⊖	**2035 Micro** 1 x 0,35x2,5x40

[1] Optimised for Asian PH screws

[2] On the output side, the blade is turned to a nominal length of 10 mm.

[3] Size 0 modificated according to JCIS 0 (Japanese Camera Industrial Standard)

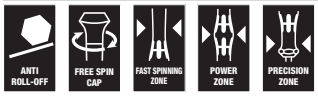
2052/6 Hexagon screwdriver set and rack for electronic applications

Application: Ball end for hexagon socket screws

Content: 6-piece set and rack in display carton

05**118156**001		
○	**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

05**118158**001		
◉	**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**
1 cNm =	1	0,1	0,01	0,1020	0,0010	0,0074	0,0885	1,4161
1 dNm =	10	1	0,1	1,0197	0,0102	0,0738	0,8851	14,1612
1 Nm =	100	10	1	10,1972	0,1020	0,7376	8,8508	141,6123
1 cmkg =	9,8067	0,9807	0,0981	1	0,0100	0,0723	0,8680	13,8874
1 mkg =	980,6650	98,0665	9,8067	100	1	7,2330	86,7964	1388,7422
1 ft.lb =	135,5818	13,5581	1,3558	13,8255	0,1383	1	12	192
1 in.lb =	11,2985	1,1298	0,1130	1,1521	0,0115	0,0833	1	16
1 in. oz =	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.

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

PH and PZ Tools
Drives: DIN 5260, ISO 8764 and SMS-SS 1687.
TORQUE values evaluated in test gages according to DIN 5261, ISO 8764 on TORQUE testing equipment.

a x b 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

SW (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

	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

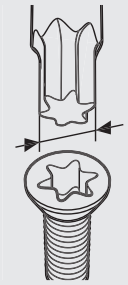
Tools with TORX® and TORX PLUS® drive
TORQUE values evaluated with testing gages of Acument Global Technologies Inc., licensor of TORX® and TORX PLUS®.

	TORQUE in Nm (min.) TORX® Bit	Resis-Bit	Screw-driver	TORX PLUS® 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

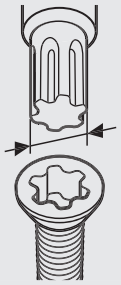
Important device:
After TORQUE testing with the minimum value, screwdrivers shall not show any deformation or injuries at the tip.

Dimensions Of Profiles

TORX® Recess Screws

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

TORX PLUS® Recess Screws

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

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BE A TOOL REBEL

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