PROXXON

Tools with Character!





2024/2025







Socket sets by PROXXON. Manufactured according to the most modern

production methods in the world's largest cold forge for tools.







The ratchet - the key item:

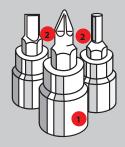
Made from CrV steel in one single piece. Hardened and with perfect toothing: several of the 52 teeth engage simultaneously for transmitting extremely high torque.

Quick release mechanism: releasing sockets at the push of the button. Optimum surface protection: twice nickel plated then chromed in matt finish. Non-detachable handle made from oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.



The PROXXON driver system:

The driving force is applied to the flanks, not the corners. This ensures high power transmission without damaging the corners of the nut or bolt.



Screwdriver bits:

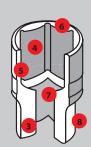
With CrV socket 1.

The drive bits are all an optimum combination of chrome-silicon-manganese-molybdenum steel 2.

All bits and accessories are forged using 31CrV steel.

High carbon content to ensure consistent hardness.

Deep, uniform forging is fully guaranteed on the hex. drive side 4 to ensure that protruding studs do not present a problem. Thin-wall construction 5 for better access while maintaining strength for heavy work. Lead-in chamfer allows socket to slide over nuts easily. Machined fits on drive square 6 allow ratchet to arrest properly. Beginning with the 19mm size the outer diameter 7 of the sockets is reduced on the drive square end for improved handling 3. Optimum surface protection: Double nickel-plating and single matt-finished chrome-plating.

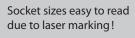






Quality at its best:

Highest quality, exceeds DIN/ISO requirements for hardness and maximum torque. Individual size tolerances are all well within the prescribed norms.



Forged of chromium-vanadium steel 31 CrV3. In sturdy powder-coated

steel cases. Proven 100,000-fold in workshops.



With 1/2" ratchet.

Sockets from 8 – 34mm (the latter for M 22 according to the new ISO standard). Deep sockets in sizes 13 – 17 and 19mm for protruding bolts. Spark plug sockets 16 and 21mm. See photo for full contents.

NO 23 000



56-piece set with 1/4" and 1/2" ratchets

Contains sockets from 4mm to 32mm and 16/21mm spark plug sockets, screwdriver bits with square drive for slotted, Phillips, TX (with frontal hole) and Allen sockets and 1.25 – 1.5 – 2 - 2.5 and 3mm angled Allen keys. See photo for full contents.

NO 23 040



27-piece automotive socket set with 1/4" and 1/2" ratchets

Suitable for all common sizes between 6mm and 32mm. Also contains 16 and 21mm spark plug sockets. See photo for full contents.

Sensible combinations ranging from fine mechanics to powerful use! Forged of chro

For clearly legible spanner widths. In sturdy powder-coated steel cases with highly





Screwdriver handle with 1/4" square drive. 1/4" rear end connector to fit a ratchet or a T-bar.

36-piece precision engineer's set with 1/4" ratchet

Includes 4 – 13mm sockets, screwdriver bits with square drive for slotted, Phillips, TX (with frontal hole) and Allen sockets as well as 1.25 - 1.5 - 2 - 2.5 and 3mm angled Allen keys. See photo for full contents.

NO 23 080



39-piece screwdriver set with 1/4" ratchet and magnetic holder

For use with a drilling machine: 4 – 14mm sockets 1/4" drive (6.3mm). Includes 16 high quality alloy Allen key bits and adapters for male hex and square bits (magnet to socket adapter) and female hex and square bits (ratchet to screwdriver bit adapter) and 1.25 – 1.5 – 2 – 2.5 and 3mm angled Allen keys.

See photo for full contents.

NO 23 070



32-piece precision engineer's socket set with 1/4" MICRO compact ratchet and sockets with strong magnetic inserts.



Sockets from 5 - 13mm. In addition one each extension 50, 100 and 150mm: Nuts and screws are held securely even when working in tubes or pipes. 17 standard bits (25mm) made of high alloy special steel. Also includes hexagon/square female adapter. See photo for full contents.

NO 23 078



24-piece compact socket set with 3/8" ratchet

For 6 – 24mm. Including spark plug sockets 16 – 18 and 21mm. See photo for full contents.

NO 23 110



65-piece super compact socket set with 3/8" ratchet

Sockets from 6 - 24mm. Deep sockets for protruding bolts 10 - 13 - 15 and 17mm. Spark plug sockets 14 - 16 – 18 and 19mm. Screwdriver bits with square drive for HX, TX and XZN screws. 8 angled keys: HX 1.25 – 1.5 – 2 – 2.5 and 3mm as well as TX 6 - 8 and 10. See photo for full contents.

mium-vanadium steel 31 CrV3. Laser labelling:

flexible insert.





2 23103 17X10 15 20 25 27 30 17X30 40 45 50 55 60 17X40 45 60 55 6





For i,nch screw sizes from 5/32" to 1 1/8".



24-piece TX socket set

This set contains 1/4" drive (6.3mm) TX sockets in sizes TX8 to TX30 (with frontal hole) and external TX sizes E4 to E10 (all suitable for tightening torques up to 25Nm).

1/2" drive (12.5mm) TX sockets in sizes TX40 – 60 and external TX E12 to E20 (for tightening torques from 25 to 135Nm) and three offset TX spanners – the TX6, 8 and 10. See photo for full contents.

NO 23 102

29-piece Specialty TX socket and TX socket bit set

TTX-sockets for 1/4"-square drive (6.3mm)

For tightening torques up to 10Nm: TTX 10 - 30. TX bit sockets in sizes E 4 - 5 - 6 - 8 and 10. For 1/2"-square drive (12.5mm)

For tightening torques from 25 to 135Nm: TX sockets in sizes 30-60 (short version: 55mm) and sizes 40-60 (long version: 100mm). TX bit sockets in sizes E12 – 20 and three offset TX spanners – the TX6, 8 and 10. **NO 23 103**

18-piece special set for Allen screws

For 1/4" square drive (6.3mm) and tightening torques up to 25Nm. Sizes 2 – 6mm.

For 1/2" square drive (12.5mm) and tightening torques from 25 – 210Nm: sizes 6 – 14mm (short version 55mm) and sizes 5 – 12mm (long version 100mm). See photo for full contents.

NO 23 100

18-piece special set for XZN multi-toothed screws

For motor (cylinder head), drive shafts, rear axles. Includes 1/2"-square drive. Screwdriver bits 5-14mm in normal version (55mm) and 6-14mm in extra-long version (100mm). Also includes outside double-hexagon inserts 9-21mm.

NO 23 296

36-piece special socket set for inch screws

Sockets for 1/4" square drive (6.3mm)

5/32" - 3/16" - 7/32" - 1/4" - 9/32" - 5/16" - 11/32" - 13/32" - 7/16" - 1/2" - 9/16" HX-screwdriver bits 1/8" - 5/32" - 3/16" - 1/4".

Sockets for 1/2" square drive (12.5mm)

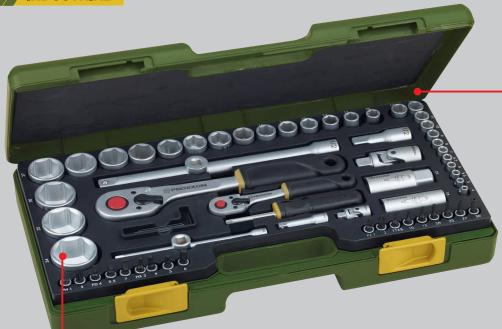
3/8" - 7/16" - 15/32" - 1/2" - 9/16" -19/32" - 5/8" - 21/32" - 11/16" - 3/4" - 13/16" - 7/8" - 15/16" - 1" - 1 1/8".

Includes five bent Allen keys sizes 0.05" - 1/16" - 5/64" - 3/32" - 1/8". 1/4 -adapter.

Six popular socket sets in compact plastic cases.

Solid, sturdy tray and snap-lock.





Composition and design copyright by PROXXON.



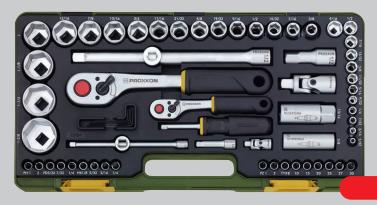
65-piece complete set with 1/4" and 1/2" baton ratchets.

With 34mm socket (according to new ISO standard for M 22).

This 65 piece set offers sockets from 4 to 34mm, as well as 16 and 21mm spark plug sockets. Screwdriver bits with square drive for slotted, Phillips, TX (with frontal hole) and Allen sockets. Angled Allen keys 1.25 - 1.5 - 2 - 2.5 and 3mm. Four extensions, one screwdriver handle with square drive, two universal joints. See photo for full contents.

NO 23 286

65-piece complete set for imperial sizes with 1/4" and 1/2" baton ratchets



Sockets from 5/32" – 1 3/8". Spark plug sockets 5/8" and 13/16". Screw-driver bits with square drive for slotted, Phillips, TX (with frontal hole) and Allen screws. Five angled Allen keys from 0.05" to 1/8". Four extensions. Two universal joints. Screwdriver handle with square drive. See photo for full contents.



NO 23 294

For inch screw sizes from 5/32" to 1 3/8".

47-piece compact set with 3/8" baton ratchet



This 47 piece set offers sockets from 6 – 24mm. Deep sockets 10 – 17mm for protruding bolts. Spark plug sockets for 14, 16, 18 and 21mm. Screwdriver bits with square drive for Allen screws 4 – 10mm and TX screws (20 – 45). Two extensions. Universal joint. Five angled Allen keys 1.25 - 1.5 - 2 - 2.5 and 3mm. See photo for full contents.

Including the robust and fine-toothed baton ratchet for powerful use.

Quick-release mechanism at the push of a button.







Asymmetrical shape improves view when attaching to nut or bolt head.

Perfect toothing and reliable reverse mechanism. Several of the 72 teeth engage simultaneously for transferring also high torques.



20-piece specialty socket set with deep sockets



With 1/4" square drive (6.3mm)

for torques under 25Nm: hexagonal sockets for 4 - 5 - 5.5-6-7-8-9-10-11 and 12mm.

With 1/2" square drive (12.5mm)

for torques over 25Nm: 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 and 24mm. All parts are matt chrome-plated and are clearly marked with sizes. See phot o for full contents.

NO 23 292

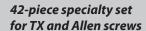




This set includes sockets from 4 – 13mm, deep sockets from 6 - 10mm for protruding bolts and screwdriver bits with square drive for slotted, Phillips, Allen and TX (with frontal hole) screws. It also has external TX sizes E4 – 10, universal joint, 2 extensions, screwdriver handle with square drive and 1.25 - 1.5 - 2 - 2.5 and 3mm angled Allen keys.

See photo for full contents.

NO 23 280





With 1/4" square drive (6.3mm)

(for tightening torques up to 25Nm): Screwdriver bits for Allen screws sizes 2 – 6mm and screwdriver bits TX8 – TX40 (with frontal hole) as well as external TX E4 to E10.

With 1/2" square drive (12.5mm)

(for tightening torques from 25 – 210Nm): Screwdriver bits for Allen screws sizes 7 - 14mm (short version, 55mm) and sizes 6 - 12mm (long version, 100mm), for TX screws sizes 45 – 60 (short version) and for external TX sizes E12 to E20. Includes 5 angled head Allen keys in 1.25 – 1.5 – 2 – 2.5 and 3mm.

See photo at left for full contents.



NO 23 650: For 25 years this has been a classic among toolboxes world-wide.

Featuring first class assembly tools. Now in its 7th generation.



Automotive and universal tool set

Combination spanners from 6 – 19mm. 1/2" sockets from 8 – 24mm. Spark plug sockets 16 – 18 and 21mm. Automotive headlight tester with cord and crocodile clip (for car electrical systems). See photo for full contents. Each tool has its proper place – organized forever!

NO 23 650



PROXXON design by Helmut Scholz: A high-quality POLYPROPYLENE tool case without frills. Treadable, shock-proof, fuel and acid resistant.

The compact companion for mobile use.

With tools of the finest quality.



Universal tool bag.

The most essential hand tools in a functional zipper bag.



Each piece in its own fixed place: Sturdy tool board and high-quality foam insert with clear markings.

1/4" ratchet (forged from a single piece). Wrench sockets 1/4" from 4 – 14mm incl. extension 100mm and screwdriver handle. Magnet holder and 1 adapter each hexagon/square and hexagon socket/square socket. 16 hexagonal bits made of high-alloy special steel. *SlimLine*

ring/open-ended spanner 8 – 17. Bent Allen key set HX 1.5 to 10mm. Ball-peen hammer 300 g with glass-fibre reinforced graphite handle. See photo for full contents.

NO 23 670

Universal and oil siphoning pump AP 12. Perfect for effortless oil changes in 2 - 3 minutes.

Easily pumps motor, diesel and heating oil. Pump capacity approx. 250l/hr (with 1/2" feed hose). When changing oil with the wand, approx. 3l/min (40 °C oil temperature). 200cm long feed line with crocodile clips for battery terminals. Feed and supply side connect-ing pieces for 1/2" hoses. Includes a wand (approx. 800mm long, outer diameter 6mm) for the oil dipstick shaft, permanently fitted with a reinforced hose. A 1/2" transparent outlet hose, approx. 150cm long, is supplied. Housing of glass fibre reinforced POLYAMIDE, approx. 120 x 90 x 90mm. Approx. weight 1.4kg.

NO 25 262

PROVIDE TO THE PROPERTY OF THE

Note:

The wand fits all vehicles with a 6mm oil dipstick shaft.

The L-BOXX-system: Organisation and safety in storage and transport

for professional craftsmen.





69 high quality tools placed ready to hand!

□-BOX°-system L 102 (extremely flat!)



Craftman's universal tool set in proven L-BOXX-system

14 sockets 1/2" (12.5mm) 8 – 24mm, standard ratchet 1/2", universal joint, extensions 125 and 250mm, 4 deep sockets 10 – 19mm, 15 *GlimLine* combination spanners 6 – 21mm, *MicroSpeeder* ratchet spanners 10 x 13 and 17 x 19mm, 5 slot screwdrivers 3 – 6.5mm, Phillips PH 1 and PH 2, voltage tester, pocket key sets HX and TX

(9-piece each), KNIPEX combination pliers 180mm and KNIPEX water pump pliers 250mm, Locksmith's hammer (300g) with graphite handle.

6.3mm

Ratchets, sockets and accessories for delicate projects.

All of chrome vanadium steel 31 CrV 3.





Baton ratchet 1/4". Our sturdy ratchet!

Fine tooth drive: Several of the 72 teeth engage simultaneously for transferring high torques. Reverse lever for ratcheting direction. Quick-release button for ejecting sockets. Head and shaft forged from one CrV steel billet. Double nickel plated with matt chrome plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 330





Ratchet 2000 1/4". Our extremely flat ratchet!

Precision ratchet drive for long service life and high torque transmission. Reverse lever for ratcheting direction. Quick-release button for releasing sockets instantly. With handy, soft-touch Dupont HYTREL grip and practical hole for hanging up.

NO 23 170





Standard ratchet 1/4". Proven many times over!

With reverse feature directly on ratchet mechanism. Several of the 52 teeth engage simultaneously for transferring extremely high torques. Quick-release button $for ejecting \, sockets \, instantly. \, Head \, and \, shaft \, forged \, from \, one \, piece \, of \, CrV \, steel. \, Double \, descriptions and \, continuous extension of the con$ nickel plated with matt chrome plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 092





Standard ratchet 1/4". With flexible head!

Head can be locked in 6 positions through 90° at the push of a button. Ideal where space is at a premium. Otherwise same as standard ratchet 1/4" (NO 23 092) described above.

NO 23 074





ROTARY-ratchet 1/4". With additional offset-screwdriver function.

The rotating grip design allows for pre-tensioning in abutment to one side. Then a few millimetres of standard ratcheting action is sufficient for loosening or tightening. Fine tooth drive (52 teeth) with convenient drive direction switch. Sockets are held firmly in place until the quick release button is activated.

NO 23 082

MICRO ratchets for tricky work and where space is tight! For screwing in the engine compartment, under the dashboard or on the airbag, for working on the air conditioning system, inside the car body, the sun roof etc.



MICRO compact ratchet with 1/4" square drive.

With extremely slim head (23 x 12mm). Fine-toothing: Many of the 72 teeth engage simultaneously for transferring extremely high torques. Reverse lever for ratcheting direction. Release mechanism: unlocking the sockets at the push of a button. Forged from CrV steel, double nickel plated with matt chrome plated finish. Grip of oil- and acid-resistant TPR (Thermoplastic Rubber). Total length 120mm. With practical hole for hanging up.

NO 23 160





MICRO bit ratchet with 1/4" hexagonal adapter

For 1/4" standard bits. With magnetic insert. Distance between reverse lever and bit end only 30mm. Technology and application identical to the 1/4" MICRO compact ratchet described above.

1/4¹¹

Sockets and accessories for delicate projects.

All of chrome vanadium steel 31 CrV 3.

<u></u>			Size	Part No
	1/4" sliding T-bar		100mm	23 704
	1/4" extension		50mm 100mm 150mm	23 707 23 708 23 705
	1/4" flexible extension		150mm	23 706
	1/4" universal joint			23 709
	1/4" magnetic holder for hexagonal bits with male and female HX shafts. Ideal for working with electric screwdrivers and drills.			23 703
9	1/4" drill adapter for 1/4"-sockets			23 700
	Combination-Adaptor with 1/4"-square and 1/4"-hexagon standard bits receptacle For use with 1/4" sockets and 1/4" hexagon sta (6.3mm) on cordless screwdrivers and electri dichoice between the two options simply by slid	rilling machines.		23 783
Coop Page	1/4" drive screwdriver handle with 1/4" connector at rear end,140mm long		140mm	23 702
	1/4" adapter for hexagonal bits (DIN 3126) female square to female hexagon	0		23 780
PROJECT	1/4" adapter 1/4" female square to 3/8" male square	0		23 782
0 0 0	1/4" adapter with 1/4" male square to 1/4" male hexagon.	③		23 701
MOCKED LANGUAGE	1/4" sockets Made of CrV steel. Total length 25mm.		4mm 4.5mm 5mm 5.5mm 6mm 6.5mm 7mm 8mm 9mm 10mm 11mm 12mm	23 710 23 711 23 712 23 713 23 714 23 715 23 716 23 718 23 720 23 722 23 724 23 726 23 728

14mm

23 729

			Size	Part No
осилоне в померен в помере	Panos 6	1/4" deep sockets For long protruding bolts. Made of CrV steel. Total length 50mm.	4mm 5mm 5.5mm 6mm 7mm 8mm 9mm 11mm 12mm 13mm	23 767 23 768 23 769 23 770 23 772 23 774 23 776 23 778 23 777 23 775 23 779 23 773
PRODUCION HX 6		1/4" Allen socket bits, 33mm Head made of chrome-silicon- manganese-molybdenum steel. Socket CrV steel.	HX 2mm HX 2.5mm HX 3mm HX 4mm HX 5mm HX 5.5mm HX 6mm HX 8mm	23 744 23 746 23 743 23 745 23 747 23 748 23 749 23 751
PROXXON E 8		1/4" female TX (TTX) sockets Made of CrV steel. Total length 25mm.	E 4 E 5 E 6 E 7 E 8 E10	23 788 23 790 23 792 23 793 23 794 23 796
PROXION TTX 40		1/4" TTX screwdriver bits, 33mm (with frontal hole) Head made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	TTX 5 TTX 6 TTX 8 TTX 10 TTX 15 TTX 20 TTX 25 TTX 27 TTX 30 TTX 40	23 755 23 752 23 753 23 754 23 756 23 758 23 760 23 761 23 762 23 764
PROXXXX FD 5.5		1/4" flat-blade screwdriver bits, 33mm Made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	FD 4mm FD 5.5mm FD 7mm FD 8mm	23 737 23 739 23 741 23 742
		1/4" Phillips screwdriver bits, 33mm Made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	PH 1 PH 2 PH 3	23 730 23 731 23 732
PROXXON PZ 2	Property	1/4" Pozidriv screwdriver bits, 33mm Made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	PZ 1 PZ 2	23 733 23 735

3/8"

Ratchets, sockets and accessories, handy and compact

for every user! 31 CrV 3 chrome-vanadium steel.





Baton ratchet 3/8". Our sturdy ratchet!

Fine tooth drive: Several of the 72 teeth engage simultaneously for transferring maximum torque. Reverse lever for ratcheting direction. Quick-release button for releasing sockets instantly. Head and shaft forged from one piece of CrV steel. Double nickel-plated with matt chrome-plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 332





Ratchet 2000 3/8". Our extremely flexible ratchet!

Precision ratchet drive with 44 teeth for long service life and high torque. Reverse lever for ratcheting direction. Quick-release button for releasing sockets instantly. With handy, soft-touch Dupont HYTREL grip and practical hole for hanging up.

NO 23 180





Standard ratchet 3/8". Proven many times over!

With reverse feature directly on ratchet mechanism. Several of the 52 teeth engage simultaneously for transferring extremely high torque. Quick-release button for releasing sockets instantly. Head and shaft forged from one piece of CrV steel. Double nickel-plated with matt chrome-plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 094





MICRO compact ratchet 3/8". With extremely slim ratchet head!

Fine tooth drive: Several of the 72 teeth engage simultaneously transferring extremely high torques. Reverse lever for ratcheting direction. Release mechanism: unlocking the sockets at the push of a button. Forged from CrV-steel, double nickel plated with matt chrome plated finish. Grip of oil- and acid-resistant TPR (Thermoplastic Rubber).

NO 23 162





ROTARY-ratchet 3/8". With additional offset-screwdriver function.

The rotating grip design allows for pre-tensioning in abutment to one side. Then a few millimetres of standard ratcheting action is sufficient for loosening or tightening. Fine tooth drive (52 teeth) with convenient drive direction switch. Sockets are held firmly in place until the quick release button is activated.

Dart No

NO 23 083

Slim design (Ø 20mm). With TPR (thermoplastic rubber) insert for holding spark plugs. Length 64mm.

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	Size	Part No
3/8" extension with slide Adapter to 3/8" male square and 1/2" female square.	200mm	23 558
3/8" extension	75mm 150mm	23 554 23 556
3/8" universal joint		23 560
3/8" adapter 3/8" female to 1/4" male square (slide for 1/4" extension).		23 564
3/8" adapter 3/8" female square drive to male 1/2" drive (slide for 1/2" extension).		23 566
3/8" drill adapter for 3/8"-sockets		23 562
3/8" spark plug socket With TPR (thermoplastic rubber) insert for holding spark plugs. Length 64mm.	16mm 18mm	23 550 23 551
As above, length 70mm	19mm 21mm	23 541 23 552
3/8" spark plug socket HX and double HX (BI-HX) spark plugs.	14mm	23 553

		Size	Part No
no 24	3/8" sockets Made of CrV steel.	6mm 7mm 8mm 9mm 10mm 11mm 12mm 13mm 14mm 15mm 16mm 17mm 18mm 19mm 21mm 22mm	23 500 23 502 23 504 23 506 23 508 23 510 23 512 23 514 23 516 23 518 23 520 23 522 23 522 23 523 23 524 23 526 23 528 23 528 23 528
NOCACELLE TO	3/8" deep sockets for protruding bolts. Made of CrV steel. Total length 46mm.	2411111 8mm 9mm 10mm 11mm 12mm 13mm 14mm	23 532 23 534 23 536 23 538 23 540 23 542 23 543
	As above, total length 64mm.	15mm 17mm 18mm 19mm 22mm 24mm	23 544 23 546 23 548 23 549 23 545 23 547
моних в	3/8" Allen socket bits, 50mm Allen key made of chrome-silicon- manganese-molybdenum steel. Socket CrV steel.	HX 4mm HX 5mm HX 6mm HX 7mm HX 8mm HX 9mm HX 10mm HX 11mm	23 575 23 576 23 578 23 579 23 580 23 577 23 581 23 573
PROXION E 18	3/8" external TX socket Made of CrV steel.	E 6 E 7 E 8 E 10 E 12 E 14 E 18	23 612 23 613 23 614 23 616 23 618 23 620 23 624
MO2000000	3/8" TX socket bits, 50mm Head made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	TX 10 TX 15 TX 20 TX 25 TX 27 TX 30 TX 40 TX 45 TX 50	23 583 23 582 23 584 23 585 23 586 23 587 23 588 23 589 23 590
NOTICE NO	3/8" flat-blade screwdriver bits, 50mm Bit made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel. 3/8" Phillips screwdriver bits, 50mm	FD 4mm FD 5.5mm FD 8mm	23 591 23 592 23 593
	Bit made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	PH 1 PH 2 PH 3	23 594 23 595 23 596
NO VZ 10	3/8" spline socket bits, 50mm for XZN bolts. Bit made of chrome-siliconmanganese-molybdenum steel. Socket CrV steel.	VZ 5 VZ 6 VZ 8 VZ 10	23 628 23 629 23 631 23 633

12.5mm

Ratchets, sockets and accessories for the most demanding

situations. 31 CrV 3 chrome-vanadium steel.





Baton ratchet 1/2". Our sturdy ratchet!

Fine tooth drive: Several of the 72 teeth engage simultaneously for transferring maximum torque. Reverse lever for ratcheting direction. Quick-release button for releasing sockets instantly. Head and shaft forged from one piece of CrV steel. Double nickelplated with matt chrome-plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 334





Ratchet 2000 1/2". Our extremely flexible ratchet!

Precision ratchet drive with 44 teeth for long service life and high torque transmission. Reverse lever for ratcheting direction. Quick-release button for releasing sockets instantly. With handy, soft-touch Dupont HYTREL grip and practical hole for hanging up.

NO 23 190





Standard ratchet 1/2". Proven many times over!

With reverse feature directly on ratchet mechanism. Several of the 52 teeth engage simultaneously for transferring extremely high torque. Quick-release button for releasing sockets instantly. Head and shaft forged from one piece of CrV steel. Double nickel-plated with matt chrome-plated finish. Grip of oil and acid-resistant TPR (thermoplastic rubber) with practical hole for hanging up.

NO 23 096





MICRO compact ratchet 1/2". With extremely slim ratchet head!

Fine tooth drive: Several of the 72 teeth engage simultaneously transferring extremely high torques. Reverse lever for ratcheting direction. Release mechanism: unlocking the sockets at the push of a button. Forged from CrV-steel, double nickel plated with matt chrome plated finish. Grip of oil- and acid-resistant TPR (Thermoplastic Rubber).





ROTARY-ratchet 1/2". With addidtional offset-screwdriver function.

The rotating grip design allows for pre-tensioning in abutment to one side. Then a few millimetres of standard ratcheting action is sufficient for loosening or tightening. Fine tooth drive (52 teeth) with convenient drive direction switch. Sockets are held firmly in place until the quick release button is activated.

NO 23 084



Extra long lever with universal joint and ratchet mechanism

For effortless loosening of tightly locked screws. Robust ratchet mechanism (60 teeth) with knurled ring offering reverse operation. Grip made of oil and acid resistant TPR (Thermoplastic Rubber).

NO 23 090 Total length 43cm

		Size	Part No
Process	1/2" extension with slide With adapter from 1/2" male to 3/8" female.	250mm	23 457
	1/2"-extension	64mm 125mm 250mm	23 452 23 454 23 456
	1/2"-female to 3/8" male square drive (sliding part for 3/8" extension)		23 458
	1/2"-universal joint		23 450
	drill adapter for 1/2" sockets		23 460

		Size	Part No
	1/2" spark plug sockets	16mm	23 442
PROXXON	With TPR (thermoplastic rubber) insert for holding spark plugs. Length 65mm.	10111111	23 442
	As above, length 70mm	18mm	23 443
		19mm	23 445
		21mm	23 444
	1/2"-spark plug sockets	16mm	23 392
PROXXON	With TPR (thermoplastic rubber) insert for holding spark plugs. Length 65mm.	18mm	23 394
16	As above, length 70mm	19mm	23 395
U. 6		21mm	23 396
	1/2"- sockets With reduced drive and diameter	8mm 9mm	23 400 23 402
	(19mm and over).	10mm	23 404
No.24	Made of CrV steel.	11mm	23 406
NOXIONA NOTICE		12mm	23 408
	,	13mm 14mm	23 410 23 412
		15mm	23 414
		16mm	23 415
		17mm	23 416
		18mm 19mm	23 417 23 418
		20mm	23 419
		21mm	23 420
		22mm 23mm	23 422 23 423
		24mm	23 423
		27mm	23 426
		30mm	23 428
		32mm 34mm	23 430 23 431
		36mm	23 429
	1/2"-deep sockets	10mm	23 355
	For protruding bolts.	11mm	23 356
	Made of CrV steel. Total length 79mm.	12mm	23 357
		13mm 14mm	23 358 23 359
NO 12		15mm	23 360
How		16mm	23 361
		17mm	23 362
		18mm 19mm	23 363 23 364
		21mm	23 365
		22mm	23 366
		24mm	23 367
	1/2"-Allen socket bits, 55mm	HX 5mm	23 476
	Allen key made of chrome-silicon- manganese-	HX 6mm	23 477
	molybdenum steel. Socket CrV steel.	HX 7mm HX 8mm	23 478 23 479
	Socket CIV Steel.	HX 9mm	23 463
muco		HX 10mm	23 480
		HX 11mm	23 465
§ HX 7		HX 12mm HX 14mm	23 481 23 482
PRO		HX 17mm	23 471
		HX 19mm	23 473
	1/2"-Allen socket bits, 100mm	HX 5mm	23 484
	Allen key made of chrome-silicon-manganese- molybdenum steel.	HX 6mm HX 7mm	23 475 23 485
	Socket CrV steel.	HX 8mm	23 486
		HX 9mm	23 466
		HX 10mm	23 487 23 467
		HX 11mm HX 12mm	23 467 23 483
		HX 14mm	23 468











1/2"external TX socket Hergestellt aus CrV-Stahl.	
1/2"TX socket bits, 55mm Head made of chrome-silicon-manganese- molybdenum steel. Socket CrV steel.	

	17.75	23 773
	TX 50	23 494
	TX 55	23 446
	TX 60	23 447
	TX 70	23 448
1/2"TX socket bits, 100mm	TX 40	23 495
Head made of chrome-silicon-manganese-	TX 45	23 496
molybdenum steel. Socket CrV steel.	TX 50	23 497
	TX 55	23 498
	TX 60	23 499
1/2"spline socket bits, 55mm	VZ 5	23 318
for XZN bolts. Bit made of chrome-silicon-	VZ 6	23 319
manganese-molybdenum steel. Socket CrV steel.	VZ 8	23 321
,	VZ 10	23 323
	VZ 12	23 325
	VZ 14	23 327

Size

E 10

E 12

E 14 E 16

E 18

E 20

E 24

TX 20

TX 25

TX 27

TX 30

TX 40

TX 45

18mm

19mm

21mm

Part No

23 380

23 382 23 384

23 386

23 388

23 390

23 391

23 488

23 489

23 490

23 491

23 492

23 493

23 311

23 312

23 314

	V _ 1 _	23 323
	VZ 14	23 327
	VZ 16	23 328
	VZ 18	23 329
1/2"-spline socket bits, 100mm	VZ 6	23 370
for XZN bolts. Bit made of chrome-silicon-	VZ 8	23 371
manganese-molybdenum steel. Socket CrV steel.	VZ 9	23 376
	VZ 10	23 372
	VZ 12	23 373
	VZ 14	23 374
	VZ 16	23 377
	VZ 18	23 378
1/2"- sockets for XZN-screws, 12-pt	9mm	23 304
Made of CrV steel.	10mm	23 305
	12mm	23 307

Socket set with 3/4" square drive

14-piece socket set with 3/4" square drive. For lorries, tractors and other machinery.

10 sockets from 22 - 50mm. 520mm ratchet (72 teeth) with quickrelease button for releasing sockets instantly. Sliding T-bar (500mm). Each one extension of 200mm and 400mm.

NO 23 300

3/4"

19mm



Workshop special sets for long bolts and screws. With forged, short tubular

hexagon box spanners and externally gripping ratchet.



14-piece special set 13 to 27mm

With reversible ratchet, TPR (thermoplastic rubber) grip, 55mm extension (open construction as well) and adapter with 1/2" square (12.5mm). In robust steel box (powder coated) with strong plastic tray.

NO 23 604

13-piece special set 5.5 to 14mm

With reversible ratchet, TPR (thermoplastic rubber) grip, 55mm extension (open construction as well) and adapter with 1/4" (6.3mm) square. In robust steel box (powder coated) with strong plastic tray.

NO 23 602

Adjustable wrenches forged from CrV steel. According to DIN 3117 / ISO 6787.

Extra-long version with soft-finish skin-friendly handle made of oil and acid resistant TPR (thermoplastic rubber) with hanging hole. Slim head with ground jaws. Accurate control of flexible jaw with smooth-running adjustment via knurled screw. Easy to read millimetre scale for defining size across flats and measuring work pieces.

jaw width

NO 23 990	RG 200	24.5mm
NO 23 992	RG 250	29mm
NO 23 994	RG 300	34mm



IMPACT socket sets for wheel nuts. Sockets with plastic cover and plastic stop insert prevent aluminium wheel rims from damage. Now also available in extra long version (130mm).

For use with pneumatic screwdrivers 1/2". Made of high alloy special steel for superior wear resistance and a maximum torque of 500Nm. One piece each 17 – 19 and 21mm in sturdy steel box (powder coated).

NO 23 938 standard version, 85mm NO 23 970 extra long version, 130mm

IMPACT sockets, individually. Standard length: 85mm.

NO 23 962 Size 17 NO 23 964 Size 19 NO 23 966 Size 21

IMPACT sockets, individually. Extra long version: 130mm.

NO 23 972 Size 17 NO 23 974 Size 19 NO 23 976 Size 21



MicroClick torque wrenches. Precision tools with high accuracy (tolerance of +/- 3%

Calibrated and inspected piece by piece. Including test certificate.



Automatic quick-release: Clearly audible and tangible click sign



MicroClick MC 320. For 60 - 320Nm.

With 1/2" square drive (12.5mm). Total length 610mm. Otherwise as decribed above.

NO 23 354

MicroClick MC 200. For 40 – 200Nm.

With 1/2" square drive (12.5mm). Total length 530mm. Otherwise as described above.

NO 23 353

MicroClick MC 100. For 20 - 100Nm.

With 3/8" square drive (10mm). Total length 430mm. Particularly suitable for motorcycles. Otherwise as described above.

NO 23 351

MicroClick MC 60. For 12 - 60Nm.

With 3/8" square drive (10mm). Total length 370mm. Otherwise as described above.

NO 23 350

MicroClick MC 30. For 6 - 30Nm.

With 1/4" square drive (6.3mm). Total length 335mm. Otherwise as described above.



according to ISO 6789).

al on reaching the preselected torque.



MicroClick torque wrenches are precision tools. They are packaged in a sturdy and practical plastic storage box.

3/4"
19mm

MicroClick-MC 500. For 100 - 500Nm.

Practical release mechanism: the socket is securely fixed and automatically released at the push of the button.



For repairs on small trucks, transporters and tractors. With 3/4" square drive (19mm). Ratchet mechanism with reversing lever for clockwise and anticlockwise rotation.

Sturdy steel shaft with rust-protective finish: double nickel and subsequent matt-finished chrome-plating. Piece by piece calibration and final inspection (including test certificate). Tolerance according to ISO 6789: +/- 3%.

Clearly legible analogue display with additional microscale for fine adjustment. Total length 820mm. Packaged in a practical plastic storage box.

NO 23 340

Note:

MicroClick torque screwdrivers MC 2 (0.4 to 2Nm), MC 5 (1 to 5Nm) und MC 10 (2 to 10Nm) as well as MicroClick torque wrench MC 15 (3 to 15Nm) are featured on page 23.

mm	нх	INHX	FM-TX	M-TX	XZN	Nm¹)
M 1,6	SW 3,2	HX 1,5	TX 5	-	-	0,2
M 2	SW 4	HX 1,5	TX 6	-	-	0,35
M 2,5	SW 5	HX 2	TX 7;8	-	-	0,8
M 3	SW 5,5	HX 2,5	TX 9; 10	E 4	-	1,3
M 3,5	SW 6	HX 2,5	TX 15	E 4	-	2
M 4	SW 7	HX 3	TX 20	E 5;6	-	2,9
M 5	SW 8	HX 4	TX 25; 27	E 6;8	-	6
M 6	SW 10	HX 5	TX 27; 30	E 8; 10	VZ 5	10,2
M 7	SW 11	HX 5	TX 40	E 8;10	VZ 5	16
M 8	SW 13	HX 6	TX 45	E 10; 12	VZ 6	25
M 10	SW 16; 17	HX 8	TX 45; 50	E 12; 14	VZ 8	50
M 12	SW 18; 19	HX 10	TX 55	E 14; 18	VZ 10	86
M 14	SW 21; 22	HX 12	TX 60	E 18; 20	VZ 12	138
M 16	SW 24	HX 14	TX 70	E 20	VZ 14	215
M 18	SW 27	HX 14	TX 80	E 24		296
M 20	SW 30	HX 17	TX 90	E 24		420
M 22	SW 32; 34	•				573
M 24	SW 36	HX 19				725
	ualität 8.8; Gewin			@ copyright by	PRO	XXON

Tightening torques for bolt shanks with standard metric threads (DIN 13, Part 13) and head contact dimensions (DIN 912, 931, 934). The coefficient of friction was determined using an untreated and unplated bolt (ungreased, lightly oiled).

For safety and the accurate tightening torque: MicroClick precision tools.

MicroClick torque screwdriver Automati when pre of the har

Automatic short release when tightening screws: Clearly audible and tangible click signal when preselected torque is reached. The torque is set by turning the knurled ring on the end of the handle. The selected value is fixed by sliding in the ring. Clearly legible window scale.

MicroClick MC 2. For 0.4 – 2Nm.

50 mm long slender shaft with magnetic holder for standard bits 1/4" (6.3mm). Includes adapter with 1/4" external hexagon head on 1/4" external square head for wrench sockets. Accuracy +/- 6%. Total length 170 mm. Weight 135g. **NO 23 343**

MicroClick MC 5. For 1 - 5Nm.

Additional micro-scale for fine adjustment: 1 rotation = 1Nm. Scale ring with 0.1Nm graduations. With 1/4" square end (6.3 mm) for wrench sockets and attachable adapter with spring sleeve for form-locked holding of 1/4" standard bits (6.3mm). Accuracy +/- 6%. Total length 165mm.

NO 23 347

MicroClick MC 10. For 2 - 10Nm.

Fine adjustment: 1 rotation = 2Nm. Scale ring with 0.2Nm graduations. With front side 1/4" holding fixture for mounting a T-grip with slide (included in delivery). **NO 23 348**



Note:

A well-shaped ergonomic screwdriver handle allows for torques from 6 to 8Nm just by manual operation. For higher torques, the MC 10 has a 1/4" square connector on the rear end for fitting a lever (T-handle, ratchet).

MicroClick torque wrench MC 60-Multi and MC 200-Multi. For clockwise and anticlockwise tightening.

Open-ended spanner attachments enable side access: For tightening of screws and sleeves at pipe connections, hydraulic lines, threaded rods. Automatic short release: clearly audible and tangible click signal when preselected torque is reached. Height Release accuracy as per DIN/ ISO 6789. Tolerance +/- 3%. With test certificate. Packed in practical plastic case.





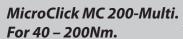


Push-on tools with square end insert (9 x 12mm) for locking with spring pin: 10 open-ended spanners forged of CrV steel, in sizes 10-11-12-13

- 14 - 15 - 16 - 17 - 18 and 19m m. Ratchet head with 3/8" square end.

NO 23 341







Push-on tools with square end insert $(14 \times 18 \text{mm})$ for locking with spring pin: 9 open-ended spanners forged of CrV steel, in sizes 13 - 14 - 15 - 17 - 19 - 22

- 24 - 27 and 30mm. Ratchet head with 1/2" square end (12.5mm).NO 23 342

Calibrated piece by piece. Including test certificate.



1/4"-square drive and reverse lever for clockwise and anticlockwise rotation.



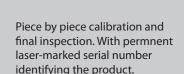
MicroClick torque wrench MC 15 For 3 to 15Nm.

Automatic quick-release when tightening screws: Clearly audible and palpable click signal when the selected torque is reached. Pre-setting of the torque by turning the knurled ring at

the end of the handle, fixing it by sliding it into position. Clearly legible analogue scale display and additional micro scale for fine adjustment. Scale ring with 0.4Nm graduation.1/4" square drive (6.3mm) with adapter for use of 1/4" standard screwdriver bits. Reverse lever for clockwise and anticlockwise rotation.

Accuracy +/- 3 %. Total length 195mm.

NO 23 345



Clearly legible analogue display with additional micro-scale for fine adjustment.



MicroClick- torque wrenches are precision tools. They are packaged in a sturdy and practical plastic storage box.



Electronic torque wrench MC 100/E and MC 200/E For industry, trade and laboratories: Ideal for screw connections with obligatory documentation requirement. For right- and left-hand thread.

Digital display for preselected units of measurement and results display: Ten different target torques can be preselected and stored.

And also the desired tolerance (1 - 9%). Bluetooth interface: Connection with smartphone or tablet for operating and measured value documentation in real time. Piece by piece calibration and final inspection. With test certificate. Includes 3 AAA batteries.

MC 100/E. For 10 - 100Nm. 3/8"-drive (10mm).

NO 23 337

MC 200/E. For 20 - 200Nm. 1/2"-drive (12.5mm).

NO 23 338



Relatziente Bedieration piera Appp.

LED indicator for visual control of the release.

Digital display for preselected units of measurement and results display.

> Input keys for programming and retrieving the results.

Bluetooth interface for measured value export.

Vibration alarm in handle area for sensory release.



MicroSpeeder with ratchet mechanism on the ring end.

No swapping over: a real time saver! Extra long design.



The 72-teeth inner ring gear made of special high alloy steel allows ratcheting even when the spanner can only be moved through 5°.

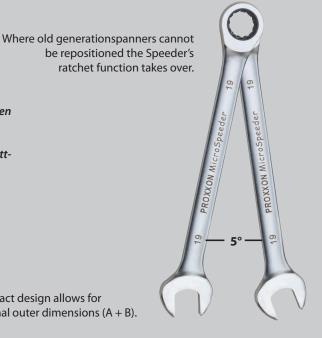
However, the torque transmission capacity far exceeds the DIN/ISO standards. CrV steel shaft with optimum surface protection: double nickel-plating and single mattfinished chrome-plating. Spanner sizes easy to read due to laser marking!



A very slim head provides shelter to the fully encapsculated drive.



Compact design allows for minimal outer dimensions (A + B).



MicroSpeeder in standard version (straight, slender design without reverse lever).



With ratchet mechanism on the ring end. No swapping over: a real time saver! Ideal for inserting into tight spaces. For removing engines, on automatic transmissions or rear axles, etc.

MicroSpeeder in standard version, individually

Size 8

Size 19

Size 21

Size 22

Size 24

SIZE 3
Size 10
Size 11
Size 12
Size 13
Size 14
Size 15
Size 16
Size 17
Size 18

NO 23 257

NO 23 258

NO 23 268

NO 23 270

NO 23 271

NO 23 273

Straight design without reversing lever. The spanner is simply swapped over.

7-piece MicroSpeeder set in straight, slim design

One each 8 – 10 – 13 – 16 – 17 – 18 and 19mm in extra long design as featured. In a sturdy powder coated steel box.



10-piece MicroSpeeder set in foldable plastic holder. 8 – 19mm.



With ratchet mechanism and reverse lever on the ring end for clockwise and anticlockwise rotation. No swapping over: a real time saver. Ideally suited for working on flat surfaces due to its 15° offset ring side. Practical foldable holder offering a clearly marked place for storage of each spanner. The ideal companion for construction site work. Holder also provides holes for wall-mounting in the workshop. With clearly readable sizes. Organised forever!

One each in extra long design, sizes 8 – 10 – 11 – 12 – 13 – 14 – 16 – 17 – 18 and 19mm.

NO 23 126



MicroSpeeder with reverse lever and 15° offset ring side.



As the 15° offset ring makes turning over of the spanner impossible, the spanner offers a reverse lever. Its design makes it ideally suited for working on flat surfaces.

MicroSpeeder with reverse lever, individually

NO 23 130	Size 8
NO 23 131	Size 9
NO 23 132	Size 10
NO 23 133	Size 11
NO 23 134	Size 12
NO 23 135	Size 13
NO 23 136	Size 14
NO 23 137	Size 15
NO 23 138	Size 16
NO 23 139	Size 17
NO 23 140	Size 18
NO 23 141	Size 19
NO 23 143	Size 21
NO 23 144	Size 22
NO 23 146	Size 24

01

7-piece MicroSpeeder set with reverse lever

One each 8 - 10 - 13 - 16 - 17 - 18 and 19mm in a sturdy powder coated steel box.



MicroSpeeder ratcheting function. No swapping over of the spanner:

a real time saver. Extra long design.

Double ring MicroSpeeder in straight, slender design. Ideal for inserting into tight spaces.



Straight design wihout reversing lever. The spanner is simply swapped over.

Often used for demounting engines, working on automatic transmissions, rear axles, etc. Ratcheting function with 72-teeth inner gear ring, made of high alloy special steel allowing ratcheting even when the spanner can only be moved through 5°. Shaft of CrV steel with optimum surface protection: double nickel-plating and single matt-finished chrome-plating. With durable laser marking and easy-to-read sizes.

NO 23 241	Size 8 x 9	NO 23 247	Size 14 x 15
NO 23 243	Size 10 x 11	NO 23 249	Size 16 x 18
NO 23 244	Size 10 x 13	NO 23 250	Size 17 x 19
NO 23 246	Size 12 x 13	NO 23 252	Size 22 x 24

Hinged MicroSpeeder with self positioning ring head, tilting through 90° to both sides.



The self positioning action of the hinged ring side substantially reduces work load, while its flexibility and durability remain unmatched. The self positioning action of the ring is ideal for tight locations.

Hinged MicroSpeeder, individually

NO 23 045	Size 8mm
NO 23 046	Size 9mm
NO 23 047	Size 10mm
NO 23 048	Size 11mm
NO 23 049	Size 12mm
NO 23 050	Size 13mm
NO 23 051	Size 14mm
NO 23 052	Size 15mm
NO 23 053	Size 16mm
NO 23 054	Size 17mm
NO 23 055	Size 18mm
NO 23 056	Size 19mm
NO 23 058	Size 21mm
NO 23 059	Size 22mm
NO 23 061	Size 24mm



Inversible joint: Unbeatable in tight places!

7-piece Hinged MicroSpeeder set

One each 8, 10, 13, 16, 17, 18 and 19mm of the long version, in a sturdy powder coated steel box.



Quadruple MicroSpeeder. Just one tool for the four most important automotive

fasteners: 10 - 13 - 17 - 19mm.



Standard Speeder ratchet spanners. With reverse lever. Easy, handy and especially practical for installation work.

6-piece Speeder ratchet spanner set

Spanners 6 – 19mm. One each in sizes 6×7 , 8×9 , 10×11 , 12×13 , 14×15 and 17×19 mm. Reliable ratchet mechanism with inner ring gear of CrV steel (reversible). Packed in sturdy steel box (powder coated) with flap clasp. Tray with practical recess area for storage of small parts (the depicted nuts are not included in the scope of delivery).

NO 23 231









Speeder ratchet spanners, individually

NO 23 201	6 x 7	NO 23 211	14 x 15
NO 23 204	8 x 9	NO 23 214	16 x 18
NO 23 205	10 x 11	NO 23 215	17 x 19
NO 23 207	10 x 13	NO 23 216	19 x 21
NO 23 209	12 x 13		

SlimLine spanners. Hands-on tools. CrV steel drop forged, carefully hardened and







- Optimal surface protection by means of double nickel-plating and single chrome-plating. With easy to hold, smooth finish.
- With durable laser inscribed and clearly readable sizes in mm.
- Polished heads: slim and thin walled. Torque characteristics still exceed DIN/ISO requirements. .
- Dimensional tolerances are better than those required by DIN/ISO. Each piece is checked.

8-piece *SlimLine* **open-end spanner set, including holder. To DIN 3110 and ISO 3318.**

Includes 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19 and 20×22 mm. Supplied with a plastic holder with slot for each spanner and holes for attaching to a wall. All spanners clearly labelled to make them easy to find.

NO 23 800 set

PROXXO		1	e ope	n-end	spanne	ers, individually
NO	S ₁ x S ₂	B ₁	B ₂	L	н	
23 828	5 x 5.5mm	13	14	111	3	
23 830	6 x 7 mm	16	18	123	3.4	
23 832	8 x 9 mm	20	22	140	3.5	
23 834	10 x 11 mm	24	26	157	4.5	
23 836	12 x 13 mm	28	29	173	4.7	
23 838	10 x 13 mm	24	29	174	4.7	
23 840	14 x 15 mm	32	34	190	5.5	
23 842	16 x 17 mm	36	38	205	6	
23 846	18 x 19 mm	38	42	220	6.5	
23 848	17 x 19 mm	38	42	220	6.5	
23 850	20 x 22 mm	43	46	235	7.5	
23 852	21 x 23 mm	45	48	248	7.5	
23 856	24 x 27 mm	49	55	268	8.5	
23 860	30 x 32 mm	59	64	302	9.5	
23 864	34 x 36 mm	65	79	320	10	
23 866	41 x 46 mm	86	95	415	15	



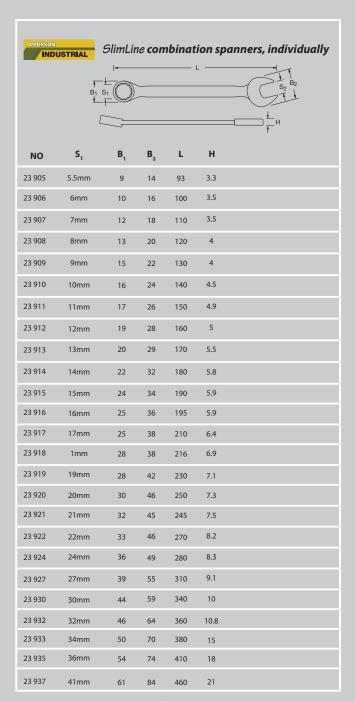


plated. With clearly readable sizes.

12-piece SlimLine ring-combination spanner set. Including holder. To DIN 3113 and ISO 3318 (ring head offset 15°).

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 and 19mm. Each spanner has a clearly marked place for storage. The plastic holder also offers fixing holes.

NO 23 820 set



15-piece SlimLine combination spanner set. With the new ISO sizes 16, 18 and 21mm. Otherwise as described on the left.

Sizes 6 – 7 – 8 – 9 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 and 21mm.

NO 23 821 set





19

PROXXON SlimLine

19



SlimLine spanners. Forged from CrV steel, carefully hardened and plated.

With clearly readable sizes.







Each spanner has a clearly marked place for storage.
The plastic holder also offers holes to allow for fixing it to a wall.

8-piece SlimLine double ring spanner set. Including holder. To DIN 838 and ISO 3318.

Sizes 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19 and 20 x 22mm.

Each spanner has a clearly marked place for storage. The plastic holder also offers holes to allow for fixing it to a wall.

NO 23 810 set

PHOXXOI	PUSTRIAL FI E	-	ine do	uble r	ing spo	anners, individually
NO	S ₁ x S ₂	B ₁	B ₂	L	н	
23 868	5 x 5,5 mm	9	10	162	5	
23 870	6 x 7 mm	10	12	173	5.6	
23 872	8 x 9 mm	13	14	182	6.1	
23 874	10 x 11 mm	16	17	200	7.9	
23 876	12 x 13 mm	18	19	212	8.5	
23 878	10 x 13 mm	16	19	212	8.5	
23 880	14 x 15 mm	21	23	225	9.8	
23 882	16 x 17 mm	24	25	245	10.4	
23 886	18 x 19 mm	27	28	260	11.3	
23 888	17 x 19 mm	25	28	216	11.3	
23 890	20 x 22 mm	30	32	285	12.8	
23 892	21 x 23 mm	31	33	310	12.9	
23 896	24 x 27 mm	34	38	335	13.9	
23 900	30 x 32 mm	42	45	375	15.3	





SlimLine spanners, packed in cardboard box.

Complete sets for sizes from 6 to 32mm. Hands-on tools.

21-piece SlimLine combination spanner set. From 6 to 32mm. To DIN 3113 and ISO 3318 (15° offset ring head).



19 PROXXON SlimLine 19

Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30 and 32mm. Clearly arranged in a sturdy cardboard box.

NO 23 822 set

11-piece SlimLine open-end spanner set. From 6 to 32mm. To DIN 3110 and ISO 3318.



11-piece SlimLine double ring spanner set. From 6 to 32mm. To DIN 838 and ISO 3318.



Sizes 6×7 , 8×9 , 10×11 , 12×13 , 14×15 , 16×17 , 18×19 , 20×22 , 21×23 , 24×27 and 30×32 mm. Clearly arranged in a sturdy cardboard box.

NO 23 802 set

Sizes 6×7 , 8×9 , 10×11 , 12×13 , 14×15 , 16×17 , 18×19 , 20×22 , 21×23 , 24×27 and 30×32 mm. Clearly arranged in a sturdy cardboard box.

NO 23 812 set

SlimLine combination spanner sets for metric and imperial screw sizes. With 15° offset ring head. In practical canvas roll bag with holes for hanging up.

12-piece *SlimLine* **combination spanner set for metric screw sizes**.



Spanner sizes: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 and 19mm.

NO 23 825

12-piece *SlimLine* **combination spanner set for imperial screw sizes**.



Spanner sizes: 1/4" - 9/32" - 5/16" - 11/32" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" and 13/16".

NO 23 816

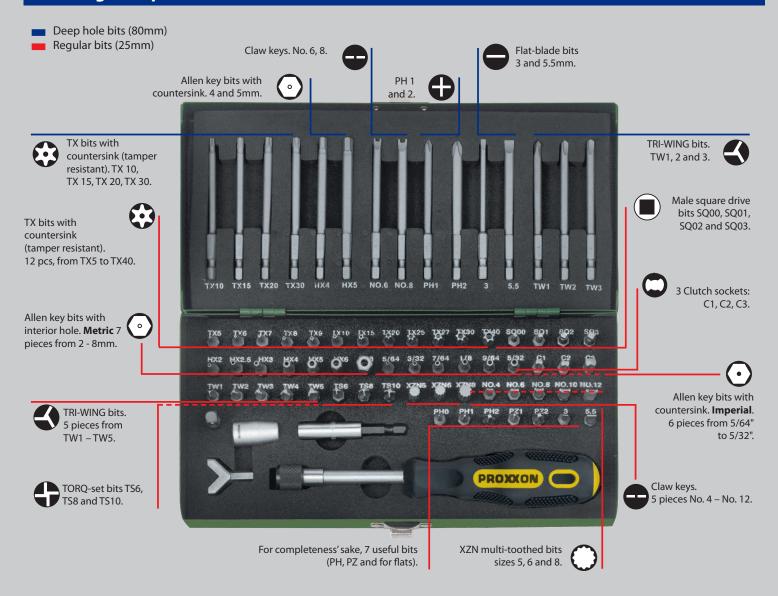


Note:

Practical bag for hanging up in the workshop or to roll up for on the way.

Super safety and speciality bit set.

Nothing is impossible to unscrew!



75-piece super safety and specialty bit set

With 1/4" special bits (6.3mm) in standard length (25mm) and extra long for tapped blind holes (80mm). Including screwdriver with positive spring-sleeve holder for bits. Magnetic holder for work with electric screwdriver or drill. Adapter with male square and male hex drive and matching attachment with female square and female hex drive.

Special attachment for centrically clamping screw hooks and similar parts. All in sturdy steel box with powder coated finish. All parts are clearly marked.

NO 23 107

Precision mechanics set with 1/4" MICRO bit ratchet, 36 parts

For screwing where space is tight. No bit adapter required!

MICRO bit ratchet with 1/4" hexagon holding fixture. With magnetic insert. Distance from change-over lever to tip of bit only 30mm. With extremely slender head (23 x 12mm). Fine toothed: several of the 72 teeth engage at the same time and transfer a high torque. Change-

over lever for clockwise – anticlockwise rotation. Forged of CrV steel, 2 x nickel and matt-finished chrome plating. Handle of oil and acid-resistant TPR (thermoplastic rubber). Total length 120mm.

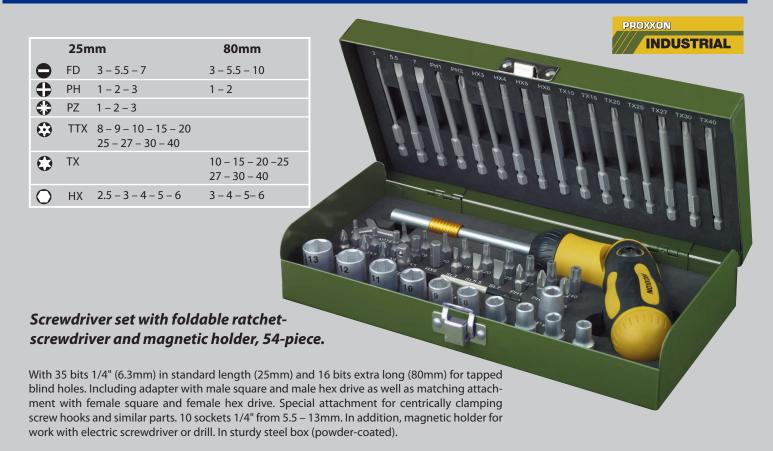






Screwdriver set with foldable ratchet-screwdriver and

magnetic holder for working with electric screwdrivers.



NO 23 104

Foldable screwdriver with ratchet mechanism: To reach higher torque, simply bend the screwdriver handle. No need to swap over. For 1/4" standard bits.



Locking of the handle in normal and angled position at the push of a button. Reverse lever for clockwise and anticlockwise rotation by turn-ing the shift ring. In centre position the ratchet function is eliminated. Autolock system: Bits are form-locked automatically when inserted by means of a spring and a magnet. To release, slide ejector backwards.

NO 22 288

Bits in industrial quality, accurate and wear resistant.



Made of special chrome-molybdenum-silicon-manganese-vanadium steel alloy. Hardened according to latest production standards.

J.C.C.	anoy	. Haracinea according to late	st production standards.
		25mm	80mm
	TTX	8 – 9 – 10 – 15 – 20 25 – 27 – 30 – 40	10 - 15 - 20 - 25 - 30
0	НХ	2 - 2.5 - 3 - 4 - 5 - 6 - 8	3 – 4 – 5
0	XZN	5 - 6 - 8	
+ 1	PH	0 – 1 – 2	1
# 1	PZ	1 – 2	
	FD	3.5	



FLEX-DOT screwdrivers. The allrounders for workshop and assembly.



DIN ISO

Ergonomic design for proper handling:

Rounded two-component handle with flexible "FLEX-DOT" nubs for fatigue-proof and comfortable continuous use. Excellent grip attitude also with quick regripping. Combines high torques and pressure forces with balanced design for horizontal and vertical approach.

With transverse hole for hanging up or applying a lever.

Oil- and acid resistant non-stick special rubber handle.

Blade symbol and size on end of grip.

Easy-to-read sizes through laser marking process on matte-chrome plated shafts of chrome-silicon-manganese-molybdenum special alloy steel.

Processed black tip for greatest precision for accepting screws. Also prevents tool from slipping.

Finger recesses for more grip during fast turning.

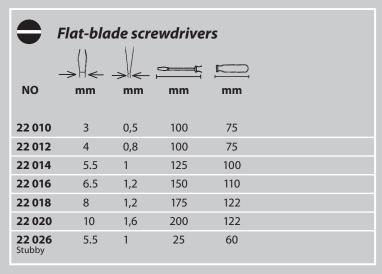
With hexagon flat for using an

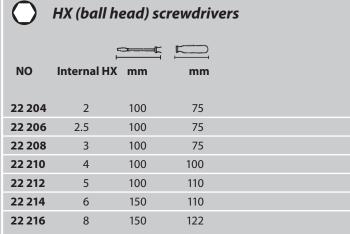


open-end spanner as lever (for sizes 8 and 10 on slotted and PH3 and PZ3 version).











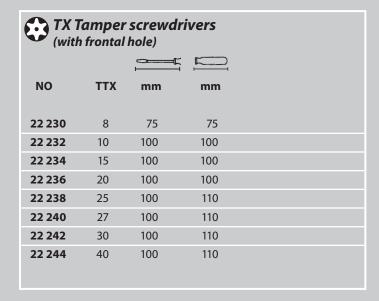


PHILLIPS screwdrivers NO PH 22 050 60 75 22 052 80 100 22 054 100 110 22 056 3 150 122 22 060 2 25 60 Stubby

* PO	POZIDRIV Phillips screwdrivers							
NO	ΡZ	mm	mm					
22 070	0	60	75					
22 072	1	80	100					
22 074	2	100	110					
22 076	3	150	122					







	X nut screwdrivers							
	c H							
NO	Exterior HX	mm	mm					
22 260	5.5	125	110					
22 262	6	125	110					
22 264	7	125	110					
22 266	8	125	110					
22 268	9	125	110					
22 270	10	125	110					
22 272	11	125	110					
22 274	12	125	110					
22 276	13	125	110					

Popular screwdriver combinations for daily use.

Combinations that are a must-have for every tool box. Complete initial equipment for mechanics and service technicians.

FLEX:	-DOT 6-piece scr	ewdriv	er sets		
22 604	Flat-blade: 2 x Phillips:	3 PH 1		5.5	6.5
22 606	4 x Flat-blade: 2 x Pozidriv:			5.5	6.5
22 640	6 x Tamper-TX:	TTX 10 25	15 30	20 40	
22 642	6 x HX:	HX 2.5 5	3 6	4 8	
22 644	6 x HX: 5.5 External	6 8	7 10	13	



Screwdrivers for 1/4" standard bits and 1/4" sockets

For 1/4" hexagon standard bits (6.3mm). Steel screws stick to magnetised bit which facilitates positioning of the screws.

NO 22 281

mm 100 110



For standard 1/4" hex bits (6.3mm). The auto-lock-system positively holds the bit. To release, push the sleeve backwards.

NO 22 282

mm mm 110 110



For use with 1/4"-square sockets or 1/4"-hexagon standard bits (6.3mm). Choice between the two options simply by sliding the sleeve.

NO 22 283





mm 110

mm 110



NO





1/4" adapter for hexagonal bits (DIN 3126) female square to female hexagon 23 780

1/4"-adapter 1/4" female square to 3/8" male square 23 782

1/4"-adapter with 1/4" male square to 1/4" male hexagon 23 701

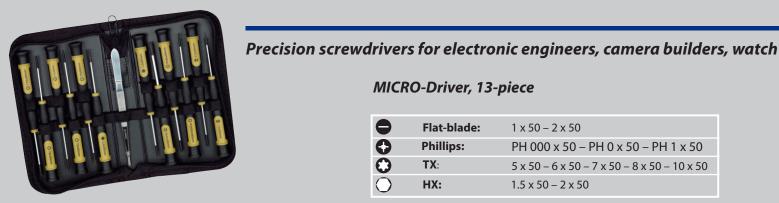
PROXXON

MICRO special hook set, 4-piece

For the automotive sector, industry and trade. Ideal for disconnecting wires, removing small fuses or (dis-)assembly of O-rings. Including 4 types of hooks: (1) straight tip, (2) 90° angled tip, (3) 45° angled tip, (4) full hook tip. Blade Ø 3mm. Blade length 80mm. Overall length 155mm.

NO 22 700





Packaged in a practical zipper case. Including one tweezer for gripping small screws and small parts.

MICRO-Driver, 13-piece

	Flat-blade:	1 x 50 – 2 x 50
•	Phillips:	PH 000 x 50 – PH 0 x 50 – PH 1 x 50
0	TX:	5 x 50 - 6 x 50 - 7 x 50 - 8 x 50 - 10 x 50
0	HX:	1.5 x 50 – 2 x 50

NO 22 720

Insulated FLEX-DOT screwdrivers to VDE-Standard

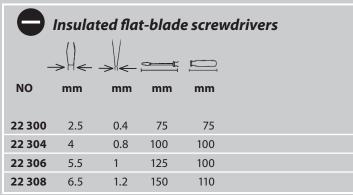
Insulated VDE screwdrivers for work on or around live components up to 1,000V AC. Injection of the protective insulation onto the screwdriver blade and piece by piece inspection offer maximum safety. SLIM-type blade as of size Flat-blade 4.











•	Insula	ited PH	ILLIPS s	crewdrivers
		<u> </u>		
NO	PH	mm	mm	
22 330	0	60	75	
22 332	1	80	100	
22 334	2	100	110	

Insulated combination blade SL/PZ screwdrivers



The new blade type exactly fits combination screws (slotted/pozidriv) frequently used in electrical installation, e.g. in switch cabinets, fuse boxes and terminal blocks.

22 342 SL/PZ 1 x 80mm 22 344 SL/PZ 2 x 100mm

6-piece insulated VDE screwdriver set

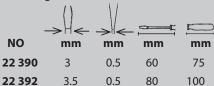
NO

NO



Voltage tester as per VDE 0680

Indication of voltage between phases 220 to 250V, 50/60Hz (up to 500Hz). Of high-strength ABS, with roughened, non-slip surface. Tested piece by piece at 2,000V. Blade length 60mm. Total length 140mm.





makers, jewellers, precision engineers and model makers.

15-piece MICRO-Driver set

Blades of high alloy nickel-chrome-molybdenum steel for maximum hardness and toughness. Chrome-plated with brinelled tip. With ergonomically formed two-component handle of high-quality plastic (impact as well as oil and acid resistant) with soft component in the finger grip area. The revolving top and finger mould improve easy of use.

Flat-blade:	1 x 50 - 2 x 50 - 3 x 50
Phillips:	PH 000 x 50 – PH 0 x 50 – PH 1 x 50
TX:	5 x 50 - 6 x 50 - 8 x 50 - 10 x 50 - 15 x 50
НХ :	1.5 x 50 – 2 x 50 – 2.5 x 50 – 3 x 50

NO 28 148



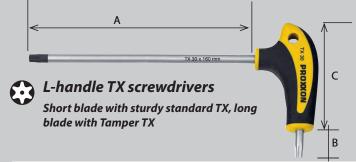
L-handle screwdrivers: Very robust with continuous blade.



If high torques are required for tightening or loosening screws, the L-handle screwdriver is the solution. The ergonomic and asymmetrical grip simplifies handling under continuous operation. Its two-component design with soft zones reduces pressure marks while at the same time allowing for optimum torque transfer. Easy-to-read sizes on shaft (laser marking) and handle.



NO HX mm mm mm 22 402 2 110 15 55 22 404 2,5 110 15 55 22 406 3 110 15 55 22 408 4 110 15 55 22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75 22 418 10 215 20 100						
22 402 2 110 15 55 22 404 2,5 110 15 55 22 406 3 110 15 55 22 408 4 110 15 55 22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75			Α	В	C	
22 404 2,5 110 15 55 22 406 3 110 15 55 22 408 4 110 15 55 22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75	NO	НХ	mm	mm	mm	
22 406 3 110 15 55 22 408 4 110 15 55 22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75	22 402	2	110	15	55	
22 408 4 110 15 55 22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75	22 404	2,5	110	15	55	
22 410 5 160 20 75 22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75	22 406	3	110	15	55	
22 412 6 160 20 75 22 414 7 160 20 75 22 416 8 200 20 75	22 408	4	110	15	55	
22 414 7 160 20 75 22 416 8 200 20 75	22 410	5	160	20	75	
22 416 8 200 20 75	22 412	6	160	20	75	
	22 414	7	160	20	75	
22 418 10 215 20 100	22 416	8	200	20	75	
	22 418	10	215	20	100	



		Α	В	C
NO	TX	mm	mm	mm
22 440	8	110	15	55
22 442	9	110	15	55
22 444	10	110	15	55
22 446	15	110	15	55
22 448	20	110	15	55
22 450	25	160	20	75
22 452	27	160	20	75
22 454	30	160	20	75
22 456	40	185	20	75
22 458	45	215	20	100
22 460	50	215	20	100



L-handle screwdriver sets

With versatile holder for the workshop. Clearly specified sizes on the holder for neat storage of L-handle screwdrivers.

NO Contents

22 650

8-piece L-handle HX set with holder

HX 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10

22 652

10-piece L-handle TX set with holder TX 8 – 10 – 15 –20 – 25 – 27 – 30 –

40 – 45 – 50

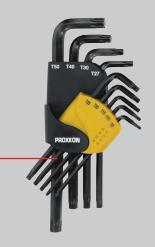


9-piece Allen key set

With spherical finish on the long end (short end chamfered). One each 1.5-2-2.5-3-4-5-6-8 and 10mm. Chrome-vanadium steel. In foldable plastic holder. **NO 23 946**

9-piece TX set

One each TX 8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 and 50. Made from Nickel-Chrome-Molybdenum special steel. In foldable plastic holder.



Cordless screwdriver ASD (3.6V). For wrist-friendly screwing.

With USB connection and charger. For 1/4" standard bits.



Electronic cordless screwdriver for 1/4" standard bits.

Note:

2.1A USB-adaptor (included) charges the battery in approx. one hour. For use on all USB ports, e.g. in the car on the way to the next job.



Ideal for threaded screws.

25_{mm}

♣ PH 0 – 1 – 2

 \bigcirc HX 3 – 4 – 5

The self-locking gearbox allows sensitive tightening of the screws by hand up to 5Nm. Bit insert and screw are held by a strong magnet. The operating time of the 2Ah battery is sufficient even for larger projects. With 12 high-quality bits in industrial quality (3 of which in extra-long version).

Technical data:

Speed: 250/min. Max torque 1.8Nm. Li-ion cell: 2Ah (integrated). Length 180mm. Weight: approx. 200g.

NO 22 295

8-piece pocket Allen key set

One each 1.5 – 2 – 2.5 – 3 – 4 – 5 – 6 and 8mm. Made from Chrome-Molybdenum special steel, galvanically plated. In pocket knife type plastic holder which also serves as a handle.

NO 23 956



8-piece pocket TX key set

One each TX 9 - 10 - 15 - 20 - 25 - 27 - 30 and 40. Made from Nickel-Chrome-Molybdenum special steel. In pocket knife type plastic holder which also serves as a handle.



For the PROXXON MICROMOT-system there is a separate 76-page catalogue, which is available free of charge. Please send your request to the below mentioned address.



We reserve the right for technical modifications as a result of improvements. Errors and omissions excepted.

PROXXON GmbH