



GROZ

**AUTOMOTIVE
TOOLS & EQUIPMENT**
For the professional!

CAT MINI 510

Manufactured from heavy gauge steel sheet

Rugged double wall construction with strong reinforcement for enhanced durability

Corrosion resistant powder coated finish

8 drawers with ball bearing slides that allow 100% opening. All drawers lined with 2mm vinyl sheet

Centralised Keyed locking system for added security with single operation for opening all drawers





Heavy duty side handles for easy movement of cabinet

4 heavy duty castors 5" x 2" (125 mm x 50 mm). 2 fixed & 2 swivel with toe-locks that ensure safety

Complete with rubber mat on top surface



FEATURES

| | |
|--|--|
| BALL BEARING | DOUBLE WALL CONSTRUCTION |
|  |  |
| AVG. DRAWER LOAD CAPACITY | TROLLEY LOAD CAPACITY |
|  45 KG | 450 KG  |

ORDERING INFORMATION

| CAT NR. | ORD NR. | DIMENSIONS | |
|---------|---------|--------------|-----------------|
| | | (inch) | (mm) |
| MTB/8 | 40000 | 27 x 18 x 39 | 686 x 457 x 985 |

Manufactured from heavy gauge steel sheet

Rugged double wall construction with strong reinforcement for enhanced durability

Corrosion resistant powder coated finish

12 drawers with ball bearing slides that allow 100% opening. All drawers lined with 2mm vinyl sheet





Centralised locking system for added security with single operation for opening all drawers

Heavy duty side handles for easy movement

4 heavy duty castors
5" x 2" (125 mm x 50 mm).
2 fixed & 2 swivel with toe-locks that ensure safety

Complete with wooden top for carrying out any job work


FEATURES

| | |
|--|---|
| BALL BEARING | DOUBLE WALL CONSTRUCTION |
|  |  |
| AVG. DRAWER LOAD CAPACITY | TROLLEY LOAD CAPACITY |
|  45 KG |  450 KG |

ORDERING INFORMATION

| CAT NR. | ORD NR. | DIMENSIONS | |
|-----------|---------|--------------|------------------|
| | | (inch) | (mm) |
| MTB/12/WD | 40001 | 42 x 18 x 39 | 1067 x 457 x 985 |

General purpose cantilever tool box

Manufactured from heavy gauge steel sheet

Corrosion resistant powder coated finish

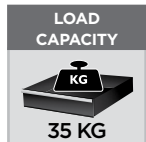
Full spread cantilever mechanism gives quick & easy access to all stored parts

Trays open automatically when handle is depressed & close when lifted

Lid incorporates provision for padlock



FEATURES



ORDERING INFORMATION

| CAT NR. | ORD NR. | DIMENSIONS | |
|---------|---------|-------------------------|-----------------|
| | | (inch) | (mm) |
| MTB/5 | 40002 | 17-5/10 x 7-7/8 x 7-7/8 | 440 x 200 x 200 |

SOCKETS & ACCESSORIES



A range of sockets, ratchets & accessories designed to fit & built to perform

ACC DIN 3122 & ISO 3315 specifications

Amongst the most commonly used equipment, these are widely used in automotive, workshops and garages

Superior engineering; highest standards of manufacturing under strict process control guarantees higher efficiency and three times longer working life compared to most brands

The range includes regular & deep hex sockets, ratchet handles, accessories & sets to meet every need of 2 and 4 wheeler applications

THE GROZ SOCKET

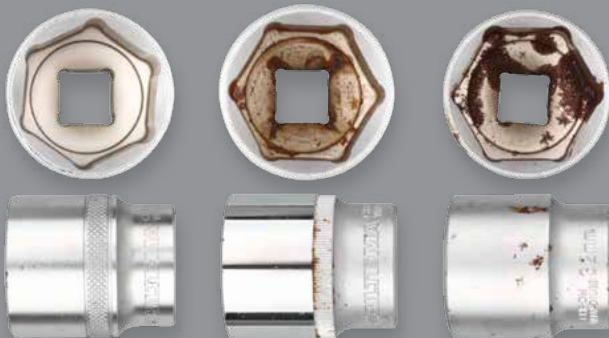
ENHANCED LIFE

Chrome Vanadium Construction

Cold forged from high quality chrome vanadium steel, precisely hardened for increased durability

Ultra Premium Finish

High quality attractive ultra premium finish provides a scratch proof surface with enhanced protection against corrosion. We put the GROZ ultra premium finish sockets to test vis- vis other finishes in a salt spray chamber. After 72 hours of constant test we observed the following:



GROZ ULTRA PREMIUM FINISH

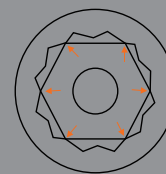
MIRROR FINISH (Other Brands)

MATT FINISH (Other Brands)

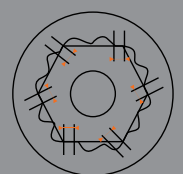
ENHANCED PERFORMANCE

Super Grip Profile

GROZ Sockets incorporate the super grip profile that features round points facilitating contact between socket wall & fastener wall, keeping pressure off the corners



STANDARD PROFILE
Stress applied to edges



GROZ SUPER GRIP® PROFILE
Larger contact area between socket & fastener

This ensures:

1. Transmission of higher torque
2. Firm grip & enhanced engagement
3. Increased durability: Stress concentration in corners eliminated

Knurled Band

Provides a non-slip grip even in slippery applications found usually in workshops

Marking & Branding

Branding & size stamped on each individual socket ensures quick and convenient identification



04

Hex Sockets

SKT

ORDERING INFORMATION

1/4" SQUARE DRIVE

| CAT NR. | ORD NR. | SIZE (mm) |
|---|---------|-----------|
| HEX SOCKETS | | |
| + SKT/H/1-4/4/UG | 40600 | 4 |
| + SKT/H/1-4/4.5/UG | 40601 | 4.5 |
| + SKT/H/1-4/5/UG | 40602 | 5 |
| + SKT/H/1-4/5.5/UG | 40603 | 5.5 |
| + SKT/H/1-4/6/UG | 40604 | 6 |
| + SKT/H/1-4/7/UG | 40605 | 7 |
| + SKT/H/1-4/8/UG | 40606 | 8 |
| + SKT/H/1-4/9/UG | 40607 | 9 |
| + SKT/H/1-4/10/UG | 40608 | 10 |
| + SKT/H/1-4/11/UG | 40609 | 11 |
| + SKT/H/1-4/12/UG | 40610 | 12 |
| + SKT/H/1-4/13/UG | 40611 | 13 |
| + SKT/H/1-4/14/UG | 40612 | 14 |
| HEX BIT SOCKETS | | |
| SKT/1-4/H3/UG | 40660 | 3 |
| + SKT/1-4/H4/UG | 40661 | 4 |
| + SKT/1-4/H5/UG | 40662 | 5 |
| + SKT/1-4/H6/UG | 40663 | 6 |
| SKT/1-4/H7/UG | 40664 | 7 |
| SKT/1-4/H8/UG | 40665 | 8 |
| TORX BIT SOCKETS | | |
| SKT/1-4/T8/UG | 40666 | T8 |
| SKT/1-4/T10/UG | 40667 | T10 |
| + SKT/1-4/T15/UG | 40668 | T15 |
| SKT/1-4/T20/UG | 40669 | T20 |
| + SKT/1-4/T25/UG | 40670 | T25 |
| + SKT/1-4/T30/UG | 40671 | T30 |
| SKT/1-4/T40/UG | 40672 | T40 |
| SLOTTED BIT SOCKETS | | |
| SKT/1-4/S4/UG | 40673 | 4 |
| SKT/1-4/S5.5/UG | 40674 | 5.5 |
| SKT/1-4/S7/UG | 40675 | 7 |
| PHILIPS BIT SOCKETS | | |
| SKT/1-4/PH1/UG | 40676 | PH1 |
| SKT/1-4/PH2/UG | 40677 | PH2 |
| SKT/1-4/PH3/UG | 40678 | PH3 |
| 1/4" SQUARE DRIVE POZI BIT SOCKETS | | |
| SKT/1-4/PZ1/UG | 40679 | PZ1 |
| SKT/1-4/PZ2/UG | 40680 | PZ2 |
| SKT/1-4/PZ3/UG | 40681 | PZ3 |

+ Best Seller

1/2" SQUARE DRIVE

| CAT NR. | ORD NR. | SIZE (mm) |
|--------------------------------------|---------|-----------|
| 1/2" SQUARE DRIVE HEX SOCKETS | | |
| + SKT/H/1-2/8/UG | 40800 | 8 |
| + SKT/H/1-2/9/UG | 40801 | 9 |
| + SKT/H/1-2/10/UG | 40802 | 10 |
| SKT/H/1-2/11/UG | 40803 | 11 |
| + SKT/H/1-2/12/UG | 40804 | 12 |
| + SKT/H/1-2/13/UG | 40805 | 13 |
| + SKT/H/1-2/14/UG | 40806 | 14 |
| SKT/H/1-2/15/UG | 40807 | 15 |
| SKT/H/1-2/16/UG | 40808 | 16 |
| + SKT/H/1-2/17/UG | 40809 | 17 |
| SKT/H/1-2/18/UG | 40810 | 18 |
| + SKT/H/1-2/19/UG | 40811 | 19 |
| SKT/H/1-2/21/UG | 40812 | 21 |
| + SKT/H/1-2/22/UG | 40813 | 22 |
| SKT/H/1-2/23/UG | 40814 | 23 |
| + SKT/H/1-2/24/UG | 40815 | 24 |
| SKT/H/1-2/26/UG | 40816 | 26 |
| SKT/H/1-2/27/UG | 40817 | 27 |
| SKT/H/1-2/28/UG | 40818 | 28 |
| SKT/H/1-2/29/UG | 40819 | 29 |
| SKT/H/1-2/30/UG | 40820 | 30 |
| SKT/H/1-2/32/UG | 40821 | 32 |
| DEEP HEX SOCKETS | | |
| + SKT/H/1-2/10D/UG | 40900 | 10 |
| SKT/H/1-2/11D/UG | 40901 | 11 |
| + SKT/H/1-2/12D/UG | 40902 | 12 |
| + SKT/H/1-2/13D/UG | 40903 | 13 |
| + SKT/H/1-2/14D/UG | 40904 | 14 |
| SKT/H/1-2/15D/UG | 40905 | 15 |
| SKT/H/1-2/16D/UG | 40906 | 16 |
| + SKT/H/1-2/17D/UG | 40907 | 17 |
| SKT/H/1-2/18D/UG | 40908 | 18 |
| + SKT/H/1-2/19D/UG | 40909 | 19 |
| SKT/H/1-2/21D/UG | 40910 | 21 |
| SKT/H/1-2/22D/UG | 40911 | 22 |
| SKT/H/1-2/23D/UG | 40912 | 23 |
| SKT/H/1-2/24D/UG | 40913 | 24 |
| SKT/H/1-2/26D/UG | 40914 | 26 |
| SKT/H/1-2/27D/UG | 40915 | 27 |
| SKT/H/1-2/28D/UG | 40916 | 28 |
| SKT/H/1-2/29D/UG | 40917 | 29 |
| SKT/H/1-2/30D/UG | 40918 | 30 |
| SKT/H/1-2/32D/UG | 40919 | 32 |



Bit Sockets



Hex Sockets



Hex Sockets - Deep

3/8" SQUARE DRIVE

| CAT NR. | ORD NR. | SIZE (mm) |
|--------------------------------------|---------|-----------|
| 3/8" SQUARE DRIVE HEX SOCKETS | | |
| + SKT/H/3-8/6/UG | 40700 | 6 |
| SKT/H/3-8/7/UG | 40701 | 7 |
| + SKT/H/3-8/8/UG | 40702 | 8 |
| SKT/H/3-8/9/UG | 40703 | 9 |
| + SKT/H/3-8/10/UG | 40704 | 10 |
| SKT/H/3-8/11/UG | 40705 | 11 |
| + SKT/H/3-8/12/UG | 40706 | 12 |
| + SKT/H/3-8/13/UG | 40707 | 13 |
| + SKT/H/3-8/14/UG | 40708 | 14 |
| SKT/H/3-8/15/UG | 40709 | 15 |
| SKT/H/3-8/16/UG | 40710 | 16 |
| + SKT/H/3-8/17/UG | 40711 | 17 |
| SKT/H/3-8/18/UG | 40712 | 18 |
| + SKT/H/3-8/19/UG | 40713 | 19 |
| SKT/H/3-8/20/UG | 40714 | 20 |
| SKT/H/3-8/21/UG | 40715 | 21 |
| SKT/H/3-8/22/UG | 40716 | 22 |

WARRANTY

2

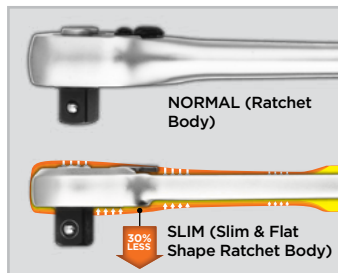
Chrome Vanadium Construction:
Cold forged from high quality chrome vanadium steel, precisely hardened for increased durability

Unique Patented Design:
30% slimmer & lighter than normal pear head ratchet, provides higher torque & extended service life

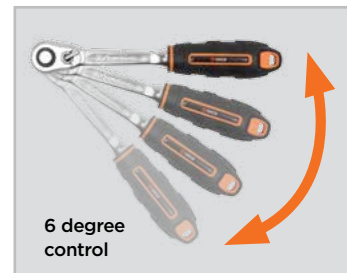


SLIM LINE RATCHET
More than 9 Teeth Bite of Gear is designed to transfer extremely high torque and extend the service life

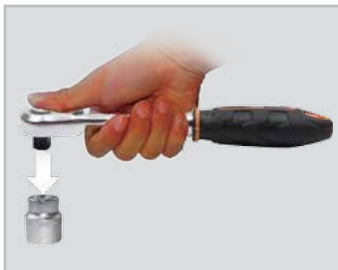
NORMAL TYPE RATCHET
Only 3 teeth bite, unable to transfer the torque powerfully and efficiently



Ratchet body is 30% slimmer than regular ratchet handles. This reduces the weight of the ratchet handles & provides high torque



60 TEETH WITH 6 DEGREE CONTROL
Provides extremely high torque for professional users



QUICK RELEASE
Simply push the release button with one thumb for replacing sockets quickly and efficiently.



UNIQUE PATENTED DESIGN
Gourd shaped head is 30% narrower than regular oval shaped ratchets making these most suitable for use in light & hard to reach areas



REVERSIBLE LEVER SWITCH
Reversible lever switch makes it easy to switch direction of use

ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|---------------|---------|--------|
| | | (inch) |
| RTD/SL/1-4/UG | 40107 | 1/4 |
| RTD/SL/3-8/UG | 40200 | 3/8 |
| RTD/SL/1-2/UG | 40310 | 1/2 |



ERGONOMIC DESIGN HANDLE
Ratchet handle is designed for increased convenience in use

06

Dual Drive Ratchet Handle

RTD-DD

World-class Ratchet Handle with twice the speed of a conventional ratchet.

Simply twisting the handle in any direction causes turning of the square drive. Irrespective of direction in which the handle is twisted, square drive rotates in the same direction.

Unlike a conventional ratchet, where forward movement causes square drive to rotate & back movement is idle, here with the Dual Drive both twisting in clockwise & anticlockwise direction result in rotation of the square drive, thereby reducing the time to half

Direction of the square drive can be changed by holding the handle body & turning the black knurled round switch on top

Operating the ratchet handle by twisting instead of forward-backward stroke allows working on fasteners with limited access.

Ratchet handle is designed to additionally also work as a conventional ratchet by operating it in the forward / backward stroke

52 teeth gear design provides optimum torque for professional use

Easy-Use Switch Mechanism

Chrome Molybdenum Square Drive for increased durability

Quick Release Push Button

Chrome Vanadium Construction

Dual Material super grip

Twist Action Handle



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE | |
|---------------|---------|--------|--|
| | | (inch) | |
| RTD/DD/1-2/UG | 40311 | 1/2 | |

07

Socket Accessories

EXTENSION BAR

Manufactured from high quality chrome vanadium steel with ultra premium finish



ORDERING INFORMATION

| CAT NR. | ORD NR. | LENGTH | | DRIVE (inch) |
|----------------|---------|--------|------|--------------|
| | | (inch) | (mm) | |
| DRXB/1-4/2/UG | 40102 | 2 | 50 | 1/4 |
| DRXB/1-4/4/UG | 40103 | 4 | 100 | 1/4 |
| DRXB/3-8/3/UG | 40201 | 3 | 75 | 3/8 |
| DRXB/3-8/6/UG | 40202 | 6 | 150 | 3/8 |
| DRXB/1-2/5/UG | 40302 | 5 | 125 | 1/2 |
| DRXB/1-2/10/UG | 40303 | 10 | 250 | 1/2 |

ADAPTOR

For using a combination of square sockets in one application



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE |
|-------------------|---------|------------------|
| SADP/3-8F/1-4M/UG | 40204 | 3/8" F to 1/4" M |
| SADP/3-8F/1-2M/UG | 40205 | 3/8" F to 1/2" M |
| SADP/1-2F/3-8M/UG | 40306 | 1/2" F to 3/8" M |
| SADP/1-2F/3-4M/UG | 40307 | 1/2" F to 3/4" M |

* F - Female, M - Male

Socket Accessories (continued)

HEX SPARK PLUG SOCKET
Designed for insertion & removal of spark plugs



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE | DRIVE |
|------------------|---------|------|--------|
| | | (mm) | (inch) |
| SKT/1-2/SP/16/UG | 40880 | 16 | 1/2 |
| SKT/1-2/SP/21/UG | 40881 | 21 | 1/2 |

SPEEDER HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish. Ideal for nut spinning



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|-------------|---------|--------|
| | | (inch) |
| SPDH/1-2/UG | 40301 | 1/2 |

SLIDING T BAR
Manufactured from high quality chrome vanadium steel with ultra premium finish. Sliding bar gives many options for leverage within a given space



ORDERING INFORMATION

| CAT NR. | ORD NR. | LENGTH | | DRIVE |
|-------------|---------|--------|------|--------|
| | | (inch) | (mm) | (inch) |
| SLTB/1-4/UG | 40106 | 4.5 | 114 | 1/4 |
| SLTB/1-2/UG | 40305 | 10 | 250 | 1/2 |

FLEX HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish. Hinged joint head and spring - loaded ball joint for secure socket holding

Head is Chrome Molybdenum (S2) steel & replaceable



ORDERING INFORMATION

| CAT NR. | ORD NR. | LENGTH | | DRIVE |
|-----------------|---------|--------|------|--------|
| | | (inch) | (mm) | (inch) |
| DFH/1-2HD/15/UG | 40309 | 15 | 380 | 1/2 |

SPINNER HANDLE
Manufactured from high quality chrome vanadium steel with ultra premium finish.



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|-------------|---------|--------|
| | | (inch) |
| DRSH/1-4/UG | 40101 | 1/4 |

FLEXIBLE ROD
Flexible Rod with compressed spring for use in confined spaces



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|-------------|---------|--------|
| | | (inch) |
| FLEX/1-4/UG | 40105 | 1/4 |

UNIVERSAL JOINT
Manufactured from high quality chrome vanadium steel with ultra premium finish. Hinged through 180° in both directions



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|------------|---------|--------|
| | | (inch) |
| UVJ/1-4/UG | 40104 | 1/4 |
| UVJ/3-8/UG | 40203 | 3/8 |
| UVJ/1-2/UG | 40308 | 1/2 |

L HANDLE
Fixed L Handle for applications requiring rigid set-up



ORDERING INFORMATION

| CAT NR. | ORD NR. | DRIVE |
|------------|---------|--------|
| | | (inch) |
| LDH/1-2/UG | 40304 | 1/2 |

ORDERING INFORMATION

| CAT NR. | ORD NR. | DESCRIPTION |
|-----------------------------------|---------|---|
| 1/2" - 27 PIECE SOCKET SET | | |
| KIT/SKT/H/1-2/27/UG | 40390 | 22 pcs 1/2" Sockets : 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32 mm 2 pcs Extension Bar : 5", 10" 1 pc Universal Joint 1 pc Sliding T Bar 1 pc Ratchet Handle |
| 1/4" - 42 PIECE SOCKET SET | | |
| KIT/SKT/H/1-4/42/UG | 40190 | 13 pcs 1/4" Sockets : 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm 6 pcs Hex Bit Socket : 3,4,5,6,7,8 mm 3 pcs Slotted Bit Socket : 4,5,5,7 mm 3 pcs Philips Bit Socket : PH1, PH2, PH3 3 pcs Pozi Bit Socket : PZ1, PZ2, PZ3 7 pcs Torx Bit Socket : T8, T10, T15, T20, T25, T30, T40 2 pcs Extension Bar : 2", 4" 1 pc Spinner Handle 1 pc Flexible Extension 1 pc Universal Joint 1 pc Sliding T Bar 1 pc Ratchet Handle |
| SOCKETS ON RAIL | | |
| KIT/SKT/H/1-4/13L/UG | 40191 | 13 pcs 1/4" Socket Set on Rail : 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm |
| KIT/SKT/H/1-4/9LH/UG | 40192 | 9 pcs 1/4" Socket & Ratchet set on rail; 4, 4.4, 5, 5.5, 6, 7, 8, 10; Ratchet Handle |
| KIT/SKT/H/3-8/8L/UG | 40290 | 8 pc 3/8" Socket Set on Rail; 6, 8, 10, 12, 13, 14, 17, 19 |
| KIT/SKT/H/3-8/9LH/UG | 40291 | 9 pcs 3/8" Socket & Ratchet Set on Rail; 6, 8, 10, 12, 13, 14, 17, 19; Ratchet handle |
| KIT/SKT/H/1-2/9L/UG | 40392 | 9 pcs 1/2" Socket on Rail; 8, 9, 10, 12, 13, 14, 17, 19, 22 |
| KIT/SKT/H/1-2/11LH/UG | 40393 | 11 pcs 1/2" Socket & Ratchet Set on Rail; 8, 9, 10, 12, 13, 14, 17, 19, 22, 24; Ratchet Handle |
| SOCKET MERCHANDISER | | |
| SKT/H/1-2/UG/ST50 | 40391 | Socket Merchandiser with 49 sockets of following sizes: 10 mm (7), 13 mm (7), 17 mm (7), 19 mm (6), 22 mm (5), 24 mm (5), 27 mm (4), 30 mm (4), 32 mm (4) |


27 Pcs - 1/2" Square Drive Socket Set

42 Pcs - 1/4" Square Drive Socket Set

KIT/SKT/H/3-8/9LH/UG (9 Pc 3/8" Sq. Drive Socket on Rail)

KIT/SKT/H/3-8/8L/UG (8 Pc 3/8" Sq. Drive Socket on Rail)

SKT/H/1-2/UG/ST50

Made from chrome vanadium steel, hardened and tested to meet or exceed international standards for torque specification, offering high torque capabilities, outstanding quality and superb performance

72 teeth, strong gear ratcheting ring needs as little as 5° of sweep to move fastener

Narrow and thin head, combined with fine gear tooth design makes the Ratcheting Spanner suitable for working in tight and hard to access areas where a ratchet and socket will not fit.

Ratcheting ring feature allows increased working speed, eliminating the need to remove the spanner from the fastener after each turn.

Chrome plated for corrosion protection with ultra premium finish for scratch proof surface

Use reversible lever to change the action direction

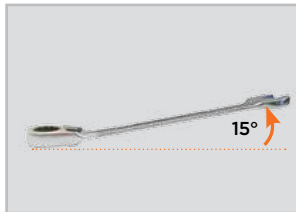
15° offset at ring end, makes it easy to gain access to the fasteners and achieve high leverage



Reversible Lever:
Makes it easy to switch the action direction






72 Teeth with 5 degree action arc:
Provide extreme high torque for professional users



Great Accessibilities:
Offset at the ring end with an angle 15° makes it easy to gain the access to the fastener and to achieve high leverage

FEATURES

| | |
|---|---|
| CHROME VANADIUM | FORGED CONSTRUCTION |
|  |  |
| HEAT TREATED | |
|  | |

ORDERING INFORMATION

| CAT. NR. | ORD. NR | SIZE | LENGTH | WEIGHT |
|----------------|---------|--|--------|--------|
| | | (mm) | (mm) | (gms) |
| CSP/RRT/8/UG | 33802 | 8 | 140 | 40 |
| CSP/RRT/10/UG | 33804 | 10 | 160 | 55 |
| CSP/RRT/12/UG | 33806 | 12 | 170 | 80 |
| CSP/RRT/13/UG | 33807 | 13 | 180 | 95 |
| CSP/RRT/14/UG | 33808 | 14 | 190 | 110 |
| CSP/RRT/17/UG | 33811 | 17 | 225 | 180 |
| CSP/RRT/19/UG | 33813 | 19 | 245 | 235 |
| SET | | | | |
| CSS/RRT/7ST/UG | 33850 | 8, 10, 12, 13, 14, 17, 19 mm Ratcheting Spanners Set | | |



Reversible Lever
72 Teeth Ratchet
Bi-hex profile: Grips the fastener better

RATCHETING SPANNER SET



Double open end spanners have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to DIN 3110 specification

Fully heat treated to 44-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification

Available as loose or in sets in metric sizes





ORDERING INFORMATION

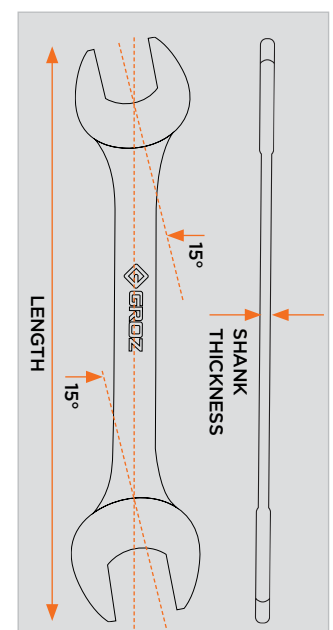
| CAT NR. | ORD NR. | SIZE | LENGTH | SHANK THICKNESS | WEIGHT |
|-------------|---------|---------|--------|-----------------|--------|
| | | (mm) | (mm) | (mm) | (gms) |
| DOSP/6-7G | 34200 | 6 x 7 | 126 | 2.60 | 25 |
| DOSP/8-9G | 34201 | 8 x 9 | 142 | 2.60 | 35 |
| DOSP/10-11G | 34202 | 10 x 11 | 157 | 3 | 50 |
| DOSP/12-13G | 34203 | 12 x 13 | 170 | 3.3 | 70 |
| DOSP/14-15G | 34204 | 14 x 15 | 187 | 3.6 | 95 |
| DOSP/16-17G | 34205 | 16 x 17 | 202 | 4 | 120 |
| DOSP/18-19G | 34206 | 18 x 19 | 220 | 4 | 170 |
| DOSP/20-22G | 34207 | 20 x 22 | 232 | 4.4 | 210 |
| DOSP/21-23G | 34208 | 21 x 23 | 246 | 4.9 | 250 |
| DOSP/24-27G | 34209 | 24 x 27 | 265 | 5.3 | 330 |
| DOSP/25-28G | 34210 | 25 x 28 | 275 | 5.8 | 380 |
| DOSP/30-32G | 34211 | 30 x 32 | 298 | 6.2 | 480 |
| DOSP/32-36G | 34212 | 32 x 36 | 315 | 7.2 | 680 |
| DOSP/36-41G | 34213 | 36 x 41 | 355 | 7.7 | 770 |
| DOSP/41-46G | 34214 | 41 x 46 | 415 | 10.7 | 1485 |
| DOSP/46-50G | 34215 | 46 x 50 | 460 | 11.5 | 1900 |
| DOSP/8-10G | 34216 | 8 x 10 | 142 | 2.6 | 35 |
| DOSP/10-12G | 34217 | 10 x 12 | 157 | 3 | 50 |
| DOSP/14-17G | 34218 | 14 x 17 | 202 | 3.8 | 110 |
| DOSP/19-22G | 34219 | 19 x 22 | 232 | 4.4 | 210 |
| DOSP/27-32G | 34220 | 27 x 32 | 295 | 5.7 | 425 |

SETS

| | | |
|-------------|-------|---|
| DOSS/8G/ST | 34240 | 8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm |
| DOSS/12G/ST | 34241 | 12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm |

FEATURES

| | |
|---|---|
| CHROME VANADIUM | HEAT TREATED BODY |
|  |  44-48 HRC |
| CONFORMS TO | |
| DIN 3110 | |



Ring spanners have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to din 838 specification

Wrenches feature super drive broach reducing corner rounding & applying more torque

Fully heat treated to 42-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification



Available as loose or in sets in metric sizes

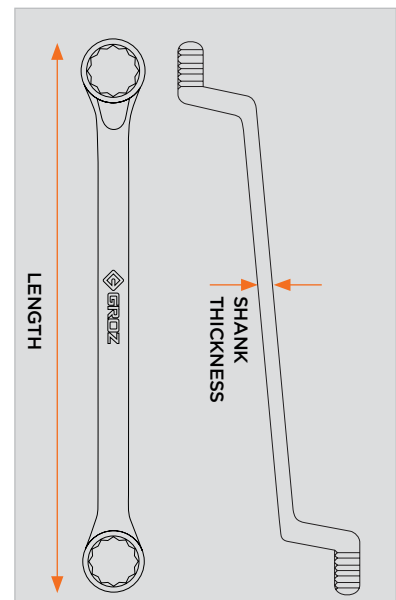


ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE (mm) | LENGTH (mm) | SHANK THICKNESS (mm) | WEIGHT (gms) |
|------------|---------|--------------|----------------|-------------------------|-----------------|
| RSP/6-7G | 34300 | 6 x 7 | 175 | 4.4 | 55 |
| RSP/8-9G | 34301 | 8 x 9 | 185 | 4.5 | 70 |
| RSP/10-11G | 34302 | 10 x 11 | 198 | 5.2 | 90 |
| RSP/12-13G | 34303 | 12 x 13 | 215 | 5.4 | 115 |
| RSP/14-15G | 34304 | 14 x 15 | 228 | 5.6 | 150 |
| RSP/16-17G | 34305 | 16 x 17 | 246 | 6.2 | 190 |
| RSP/18-19G | 34306 | 18 x 19 | 268 | 6.4 | 235 |
| RSP/20-22G | 34307 | 20 x 22 | 292 | 6.9 | 315 |
| RSP/21-23G | 34308 | 21 x 23 | 315 | 7.1 | 350 |
| RSP/24-27G | 34309 | 24 x 27 | 328 | 7.6 | 450 |
| RSP/25-28G | 34310 | 25 x 28 | 342 | 7.8 | 500 |
| RSP/30-32G | 34311 | 30 x 32 | 370 | 8.8 | 630 |
| RSP/36-41G | 34313 | 36 x 41 | 460 | 10.3 | 1050 |
| RSP/8-10G | 34314 | 8 x 10 | 185 | 4.5 | 70 |
| RSP/10-12G | 34315 | 10 x 12 | 198 | 5.2 | 90 |
| RSP/14-17G | 34316 | 14 x 17 | 240 | 6.2 | 310 |
| RSP/19-22G | 34317 | 19 x 22 | 292 | 6.9 | 315 |
| RSP/27-32G | 34318 | 27 x 32 | 380 | 8.4 | 630 |

FEATURES

| | |
|---|---|
| CHROME VANADIUM | HEAT TREATED BODY |
|  |  42-48 HRC |
| CONFORMS TO | |
| DIN 838 | |



SETS

| | | |
|------------|-------|---|
| RSS/8G/ST | 34340 | 8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm |
| RSS/12G/ST | 34341 | 12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm |

Combination Spanners / Wrenches

Combination spanners also referred to combination wrenches have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conforms to DIN 3113A specification

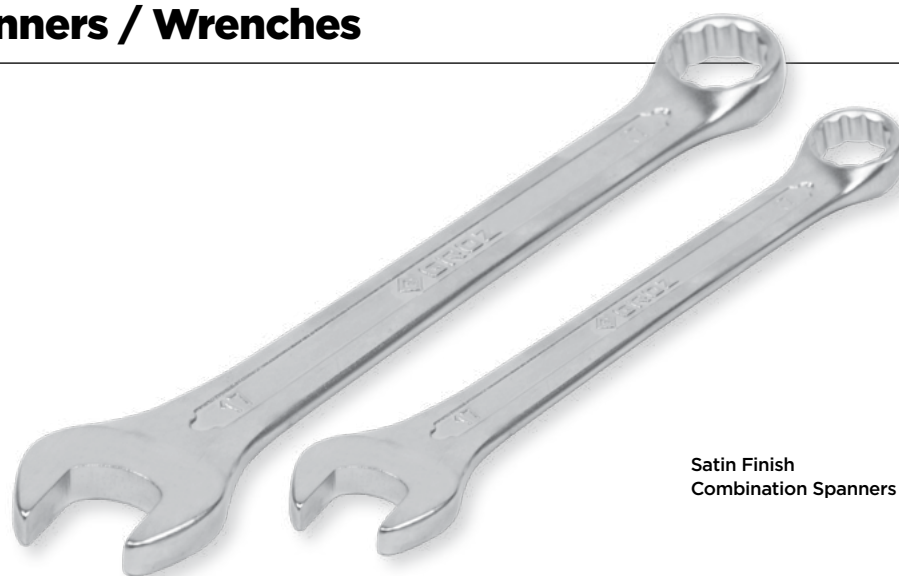
Wrenches feature a super drive broach reducing corner rounding & applying more torque

15° Offset - optimal for most applications

Fully heat treated to 42-48 HRC for increased work life



Size stamped on both ends for easy identification

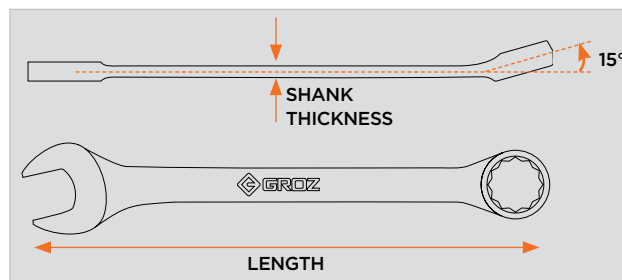
Available as loose or in sets in both metric & SAE sizes



Satin Finish Combination Spanners

FEATURES

| | |
|--|--|
| CHROME VANADIUM | HEAT TREATED BODY |
|  |  42-48 HRC |
| CONFORMS TO | |
| DIN 3113A | |



ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE | LENGTH | SHANK THICKNESS | WEIGHT |
|--|---------|------|--------|-----------------|--------|
| | | (mm) | (mm) | (mm) | (gms) |
| SATIN FINISH COMBINATION SPANNERS | | | | | |
| CSP/DIN/6G | 34000 | 6 | 100 | 2.6 | 20 |
| CSP/DIN/7G | 34001 | 7 | 110 | 2.8 | 25 |
| CSP/DIN/8G | 34002 | 8 | 115 | 3 | 30 |
| CSP/DIN/9G | 34003 | 9 | 125 | 3.3 | 35 |
| CSP/DIN/10G | 34004 | 10 | 135 | 3.4 | 40 |
| CSP/DIN/11G | 34005 | 11 | 145 | 3.5 | 45 |
| CSP/DIN/12G | 34006 | 12 | 155 | 3.7 | 60 |
| CSP/DIN/13G | 34007 | 13 | 165 | 4.1 | 70 |
| CSP/DIN/14G | 34008 | 14 | 171 | 4.3 | 85 |
| CSP/DIN/15G | 34009 | 15 | 185 | 4.4 | 95 |
| CSP/DIN/16G | 34010 | 16 | 195 | 4.4 | 115 |
| CSP/DIN/17G | 34011 | 17 | 210 | 4.4 | 135 |
| CSP/DIN/18G | 34012 | 18 | 220 | 4.8 | 155 |
| CSP/DIN/19G | 34013 | 19 | 230 | 4.9 | 165 |
| CSP/DIN/20G | 34014 | 20 | 240 | 5 | 185 |
| CSP/DIN/21G | 34015 | 21 | 245 | 5.1 | 210 |
| CSP/DIN/22G | 34016 | 22 | 248 | 5.4 | 220 |

| CAT NR. | ORD NR. | SIZE | LENGTH | SHANK THICKNESS | WEIGHT |
|--|---------|------|--------|-----------------|--------|
| | | (mm) | (mm) | (mm) | (gms) |
| SATIN FINISH COMBINATION SPANNERS | | | | | |
| CSP/DIN/23G | 34017 | 23 | 260 | 5.5 | 245 |
| CSP/DIN/24G | 34018 | 24 | 270 | 5.6 | 280 |
| CSP/DIN/25G | 34019 | 25 | 282 | 5.9 | 295 |
| CSP/DIN/26G | 34020 | 26 | 290 | 6 | 320 |
| CSP/DIN/27G | 34021 | 27 | 300 | 6.2 | 380 |
| CSP/DIN/28G | 34022 | 28 | 310 | 6.3 | 410 |
| CSP/DIN/29G | 34023 | 29 | 330 | 6.8 | 460 |
| CSP/DIN/30G | 34024 | 30 | 330 | 6.8 | 490 |
| CSP/DIN/32G | 34025 | 32 | 350 | 7.5 | 600 |
| CSP/DIN/33G | 34026 | 33 | 380 | 7.6 | 730 |
| CSP/DIN/34G | 34027 | 34 | 380 | 7.6 | 730 |
| CSP/DIN/35G | 34028 | 35 | 380 | 7.6 | 730 |
| CSP/DIN/36G | 34029 | 36 | 400 | 7.8 | 900 |
| CSP/DIN/38G | 34030 | 38 | 400 | 7.8 | 900 |
| CSP/DIN/41G | 34031 | 41 | 452 | 8.3 | 1200 |
| CSP/DIN/46G | 34032 | 46 | 497 | 10.6 | 1680 |
| CSP/DIN/50G | 34033 | 50 | 540 | 11.5 | 2000 |

SETS

| | | |
|----------------|-------|--|
| CSS/DIN/12G/ST | 34040 | 12 pc Metric Set, Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22 mm |
| CSS/DIN/14G/ST | 34041 | 14 pc Metric Set, Sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24 mm |



Mirror Finish Combination
Wrenches (US Pattern -
Heavy Profile)

ORDERING INFORMATION

| CAT NR. | ORD NR. | SIZE | CAT NR. | ORD NR. | SIZE | LENGTH | SHANK THICKNESS | WEIGHT |
|--|---------|--|--------------|---------|--------|--------|-----------------|--------|
| | | (mm) | | | (inch) | | | |
| MIRROR FINISH COMBINATION WRENCHES (US PATTERN - HEAVY PROFILE) | | | | | | | | |
| CSP/FP/6 | 34045 | 6 | CSP/FP/1-4 | 34071 | 1/4 | 124 | 3 | 21 |
| CSP/FP/7 | 34046 | 7 | | | | 129 | 3 | 23 |
| CSP/FP/8 | 34047 | 8 | CSP/FP/5-16 | 34072 | 5/16 | 136 | 3.2 | 30 |
| CSP/FP/9 | 34048 | 9 | CSP/FP/3-8 | 34073 | 3/8 | 149 | 3.5 | 44 |
| CSP/FP/10 | 34049 | 10 | | | | 161 | 4.2 | 58 |
| CSP/FP/11 | 34050 | 11 | CSP/FP/7-16 | 34074 | 7/16 | 168 | 4.3 | 61 |
| CSP/FP/12 | 34051 | 12 | | | | 174 | 4.8 | 77 |
| CSP/FP/13 | 34052 | 13 | CSP/FP/1-2 | 34075 | 1/2 | 180 | 4.9 | 83 |
| CSP/FP/14 | 34053 | 14 | CSP/FP/9-16 | 34076 | 9/16 | 193 | 5.4 | 112 |
| CSP/FP/15 | 34054 | 15 | | | | 200 | 5.3 | 116 |
| CSP/FP/16 | 34055 | 16 | CSP/FP/5-8 | 34077 | 5/8 | 207 | 5.5 | 125 |
| CSP/FP/17 | 34056 | 17 | CSP/FP/11-16 | 34078 | 11/16 | 227 | 6.2 | 178 |
| CSP/FP/18 | 34057 | 18 | | | | 239 | 6.4 | 186 |
| CSP/FP/19 | 34058 | 19 | CSP/FP/3-4 | 34079 | 3/4 | 250 | 7 | 235 |
| CSP/FP/20 | 34059 | 20 | | | | 260 | 7 | 245 |
| CSP/FP/21 | 34060 | 21 | CSP/FP/13-16 | 34080 | 13/16 | 271 | 7.2 | 280 |
| CSP/FP/22 | 34061 | 22 | CSP/FP/7-8 | 34081 | 7/8 | 295 | 7.6 | 335 |
| CSP/FP/23 | 34062 | 23 | | | | 295 | 7.6 | 335 |
| CSP/FP/24 | 34063 | 24 | CSP/FP/15-16 | 34082 | 15/16 | 317 | 8 | 390 |
| CSP/FP/25 | 34064 | 25 | CSP/FP/0-1 | 34083 | 1 | 339 | 8.35 | 480 |
| CSP/FP/26 | 34065 | 26 | | | | 339 | 8.35 | 480 |
| CSP/FP/27 | 34066 | 27 | CSP/FP/1-16 | 34084 | 1-1/16 | 362 | 9 | 555 |
| CSP/FP/28 | 34067 | 28 | CSP/FP/1-8 | 34085 | 1-1/8 | 394 | 9.3 | 695 |
| CSP/FP/29 | 34068 | 29 | | | | 394 | 9.3 | 745 |
| CSP/FP/30 | 34069 | 30 | | | | 394 | 9.3 | 775 |
| CSP/FP/32 | 34070 | 32 | CSP/FP/1-1-4 | 34086 | 1-1/4 | 429 | 9.9 | 860 |
| SETS | | | | | | | | |
| CSS/FP/15/ST | 34092 | 15 pc Metric Set, Sizes: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm | | | | | | |
| CSS/FP/14-SAE/ST | 34093 | 14 pc SAE Set, Sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" | | | | | | |
| CSS/FP/16-SAE/ST | 34094 | 16 pc SAE Set, Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4" | | | | | | |
| CSS/FP/22-SM/ST | 34095 | 22 pc SAE + Metric Set, SAE Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"; Metric Sizes: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm | | | | | | |

Offset combination spanners have an elliptical pattern & are cold stamped from Chrome Vanadium (31CrV3) steel

Conforms to DIN 3113B specification

Wrenches feature a super drive broach reducing corner rounding & applying more torque

Fully heat treated to 42-48 HRC for increased work life

Rust proof satin finish

Size stamped on both ends for easy identification

Available as loose or in sets in metric sizes





ORDERING INFORMATION

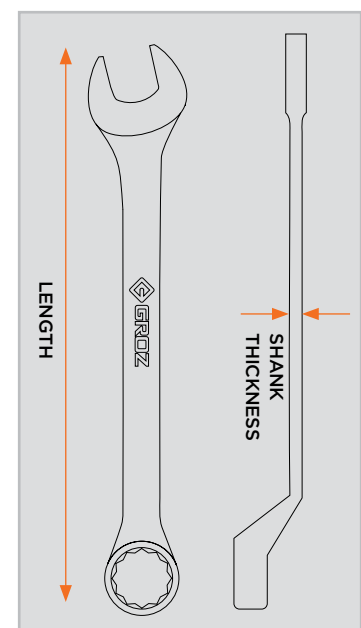
| CAT NR. | ORD NR. | SIZE | LENGTH | SHANK THICKNESS | WEIGHT |
|--------------|---------|------|--------|-----------------|--------|
| | | (mm) | (mm) | (mm) | (gms) |
| CSP/OF/SF/6 | 34150 | 6 | 100 | 2.5 | 20 |
| CSP/OF/SF/7 | 34151 | 7 | 110 | 2.6 | 25 |
| CSP/OF/SF/8 | 34152 | 8 | 120 | 2.9 | 30 |
| CSP/OF/SF/9 | 34153 | 9 | 130 | 3.2 | 35 |
| CSP/OF/SF/10 | 34154 | 10 | 155 | 3.2 | 50 |
| CSP/OF/SF/11 | 34155 | 11 | 162 | 3.5 | 60 |
| CSP/OF/SF/12 | 34156 | 12 | 170 | 3.5 | 70 |
| CSP/OF/SF/13 | 34157 | 13 | 178 | 4.0 | 85 |
| CSP/OF/SF/14 | 34158 | 14 | 192 | 4.0 | 100 |
| CSP/OF/SF/15 | 34159 | 15 | 210 | 4.2 | 110 |
| CSP/OF/SF/16 | 34160 | 16 | 220 | 4.5 | 125 |
| CSP/OF/SF/17 | 34161 | 17 | 226 | 4.5 | 145 |
| CSP/OF/SF/18 | 34162 | 18 | 240 | 4.6 | 165 |
| CSP/OF/SF/19 | 34163 | 19 | 246 | 5.1 | 195 |
| CSP/OF/SF/20 | 34164 | 20 | 260 | 5.7 | 245 |
| CSP/OF/SF/21 | 34165 | 21 | 270 | 5.7 | 270 |
| CSP/OF/SF/22 | 34166 | 22 | 275 | 5.7 | 280 |
| CSP/OF/SF/23 | 34167 | 23 | 320 | 5.8 | 340 |
| CSP/OF/SF/24 | 34168 | 24 | 320 | 5.8 | 340 |
| CSP/OF/SF/25 | 34169 | 25 | 343 | 5.9 | 420 |
| CSP/OF/SF/26 | 34170 | 26 | 343 | 6.4 | 420 |
| CSP/OF/SF/27 | 34171 | 27 | 370 | 6.4 | 520 |
| CSP/OF/SF/28 | 34172 | 28 | 370 | 6.4 | 520 |
| CSP/OF/SF/29 | 34173 | 29 | 395 | 6.4 | 670 |
| CSP/OF/SF/30 | 34174 | 30 | 395 | 6.4 | 670 |
| CSP/OF/SF/32 | 34175 | 32 | 418 | 6.5 | 775 |

SETS

| | | |
|---------------|-------|---|
| CSS/OF/12/ST | 34180 | 12 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22 mm |
| CSS/OF/12A/ST | 34181 | 12 pc Metric Set: 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32 mm |
| CSS/OF/17A/ST | 34182 | 17 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 17, 19, 21, 22, 24 mm |
| CSS/OF/26/ST | 34183 | 26 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 mm |

FEATURES

| | |
|--|--|
| CHROME VANADIUM | HEAT TREATED BODY |
|  |  42-48 HRC |
| CONFORMS TO | |
| DIN 3113B | |



14

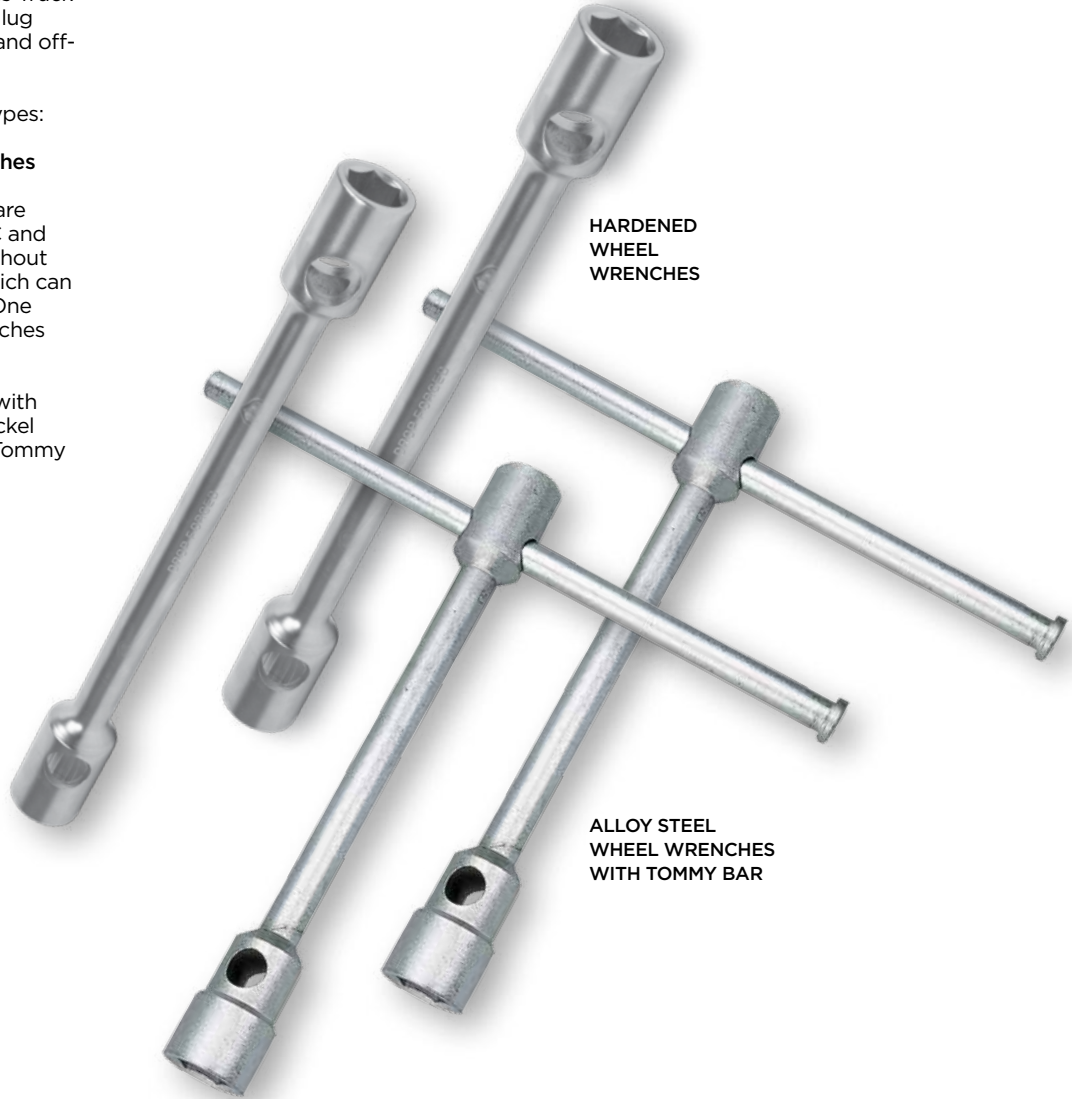
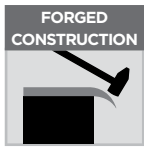
Wheel Wrenches Double Ended

Heavy Duty Double Ended Wheel Wrenches, also referred to as Truck Wrenches are used to open lug nuts on trucks, buses, farm and off-road vehicles.

These are available in two types:

- 1. Hardened Wheel Wrenches**
Forged from Chrome Vanadium Steel, these are hardened 40 - 45 HRC and tempered. Supplied without handle/ tommy bar, which can be bought separately. One handle size fits all wrenches
- 2. Alloy Steel Wrenches**
Forged from alloy steel with rust inhibiting bright nickel plating. Supplied with Tommy Bar

FEATURES



HARDENED
WHEEL
WRENCHES

ALLOY STEEL
WHEEL WRENCHES
WITH TOMMY BAR

ORDERING INFORMATION

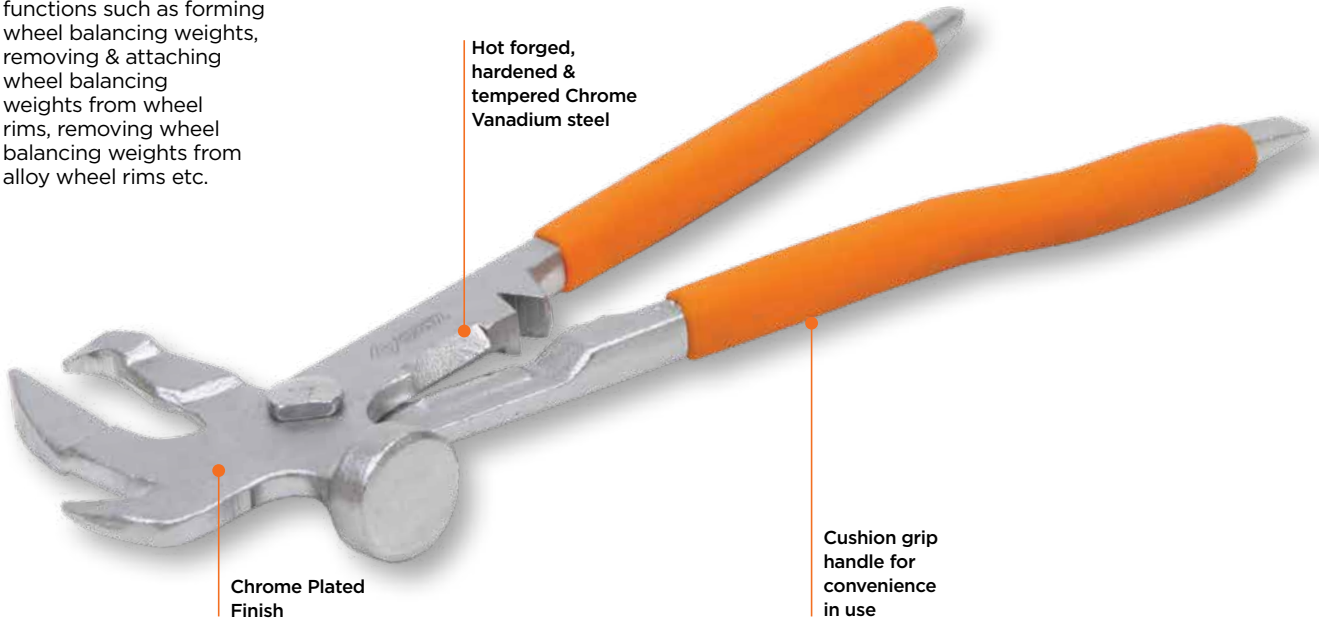
| CAT NR. | ORD NR. | SIZE (mm) | OVERALL LENGTH (mm) |
|--------------------------------|---------|--------------|------------------------|
| HARDENED WHEEL WRENCHES | | | |
| B/WW/CV/24-27 | 31930 | 24 x 27 | 400 |
| B/WW/CV/27-30 | 31931 | 27 x 30 | 400 |
| B/WW/CV/27-32 | 31932 | 27 x 32 | 400 |
| B/WW/CV/27-33 | 31933 | 27 x 33 | 400 |
| B/WW/CV/30-32 | 31934 | 30 x 32 | 400 |
| B/WW/CV/30-33 | 31935 | 30 x 33 | 400 |
| SPARE TOMMY BAR | | | |
| TMB/600-22 | 31941 | 600 X 22 | |

ORDERING INFORMATION




| CAT NR. | ORD NR. | SIZE | OVERALL LENGTH |
|--|---------|---------------|----------------|
| | | (mm) | (mm) |
| ALLOY STEEL WRENCHES WITH TOMMY BAR | | | |
| WW/D/24-27 | 31900 | 24 x 27 | 400 |
| WW/D/27-30 | 31901 | 27 x 30 | 400 |
| WW/D/27-32 | 31902 | 27 x 32 | 400 |
| WW/D/27-33 | 31903 | 27 x 33 | 400 |
| WW/D/30-32 | 31904 | 30 x 32 | 400 |
| WW/D/30-33 | 31905 | 30 x 33 | 400 |
| WW/D/32-38 | 31906 | 32 x 38 | 400 |
| WW/D/35-17 | 31907 | 35 x 17 | 400 |
| WW/D/38-21 | 31908 | 38 x 21 | 400 |
| WW/D/41-21 | 31909 | 41 x 21 | 400 |
| SPARE TOMMY BAR | | | |
| TMB/430-19 | 31940 | 430 mm x 1 mm | |

Wheel Balancing Pliers are used to remove & detach wheel balancing weights.

These perform several functions such as forming wheel balancing weights, removing & attaching wheel balancing weights from wheel rims, removing wheel balancing weights from alloy wheel rims etc.



FEATURES

| | |
|---|---|
| CHROME VANADIUM | HEAT TREATED BODY |
|  |  38-46 HRC |
| FORGED CONSTRUCTION | |
|  | |



Plier being used to detach wheel balancing weights



Hammer end being used to form wheel balancing weights



Prying wheel balancing weights from the alloy rims

ORDERING INFORMATION

| CAT NR. | ORD NR. | LENGTH | |
|-----------|---------|--------|------|
| | | (inch) | (mm) |
| WBP/CV/10 | 31665 | 10 | 250 |

Multi-purpose striking tool used in most assembly applications

Chrome plated screw head with 2 screw-in plastic faces which are designed to be replaced when worn out

Soft faces deliver a solid strike without damaging the work surfaces

Light weight tubular steel handle shifts the weight balance towards head for extra power in each blow

Extra soft non slip rubber handle grip for ultimate comfort and control



UTILITY

- Engineering
- Carpentry
- Injection Moulding
- Light Metal Working
- Denting & Painting
- Assembly & Fitting in Automotive Workshops
- Assembly work when need to avoid damage to component & parts

ORDERING INFORMATION

| CAT NR. | ORD NR. | HEAD DIA. | |
|-----------|---------|-----------|------|
| | | (inch) | (mm) |
| HMR/SF/25 | 32530 | 1 | 25 |
| HMR/SF/40 | 32531 | 1-9/16 | 40 |



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Whilst every effort has been made to ensure accuracy of information given in this catalogue at the time of going to print, Feb 2016, our policy of continuous improvement determines the right to change specifications without notice. Customers must ensure that goods are suitable for the purpose intended.