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0690/12P

RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET

DIN 3113.



12 Pcs



Hangable



Cr-V



Chromed



72 teeth



Sizes

8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

0204

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113.



6 Pcs



Box



Cr-V



Chromed



Sizes

34 - 36 - 38 - 41 - 46 - 50 mm

0199P

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

DIN 3113 Inches.



13 Pcs



Hangable



Cr-V



Chromed



Size

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"

0073

COMBINATION SPANNER

DIN 3113.



12 Pcs



Hangable



Cr-V



Chromed



Sizes

6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0223

COMBINATION SPANNER

DIN 3113.



Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0215X

BALL POINT HEX KEY SET , LONG TYPE



Size	Art.
1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10	0215
1/16" - 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 1/4" - 5/16" - 3/8"	0215P

0220

TORX KEY SET LONG TYPE

DIN 911, with tamper resistant head (hole).



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0137

TORQUE WRENCH



Capacity	28 ÷ 210 Nm
Extension	120 mm

0477

MIRROR POLISH RING SPANNER SET

DIN 838.

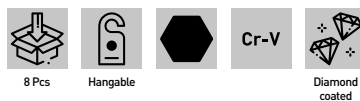


Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0558/EM

HEX KEY SET WITH DIAMOND TIP

DIN ISO 2936, the diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm

0809-

ELECTRONIC DIGITAL TORQUE WRENCH

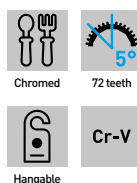
It allows cw and ccw operation and a led and buzzer diagnostic of torque status.



MEASURE UNITS:	Capacity	Reading	Accuracy	Length	Art.
Nm / kgf-cm / lbf-ft / lbf-in	6 ÷ 30 Nm	0,01 Nm	±4%	200 mm	0809/030
Nm / kgf-m / lbf-ft / lbf-in	16 ÷ 80 Nm	0,1 Nm	±3%	230 mm	0809/080
Nm / kgf-m / lbf-ft / lbf-in	20 ÷ 100 Nm	0,1 Nm	±2%	275 mm	0809/100

CN450NX

ERGONOMIC RATCHET HANDLE



Length	Dr.	Art.
150 mm	1/4"	CN450N1/4A
205 mm	3/8"	CN450N3/8A
250 mm	1/2"	CN450N1/2A

0195

E-TORX SOCKET SET

Suitable for torx bolt.



Torx size
 1/4": E4 - E5 - E6 - E7 - E8 - E10 - E11
 3/8": E4 - E5 - E6 - E7 - E8 - E10 - E11
 - E12 - E14 - E16 - E18 - E20 1/2":
 E10 - E11 - E12 - E14 - E16 - E18 - E20
 - E22 - E24



S328

1/2" DR. SOCKET SET



1/2" Dr. sockets
 8 - 9 - 10 - 11 - 12 - 13 -
 14 - 15 - 16 - 17 - 18 - 19
 - 20 - 21 - 22 - 23 - 24 - 27
 - 30 - 32 mm

Spark plug sockets sizes
 1/2": 16 - 21 mm

1/2" Dr. socket-bars
 75 - 150 - 250 mm

Universal joint
 1/2"

Adapter
 F. 3/8" - M. 1/2"

Ratchet handle
 1/2"



0181

3/4" DR. SOCKET SET



Sizes
 19 - 21 - 22 - 23 - 24 - 26 - 27 - 30
 - 32 - 34 - 36 - 38 - 41 - 46 - 48
 - 50 mm

Ratchet handle
 3/4"

Sliding T-bar
 3/4"

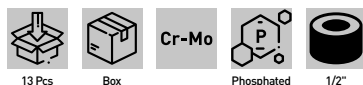
Extension bars
 3/4": 100 - 200 mm



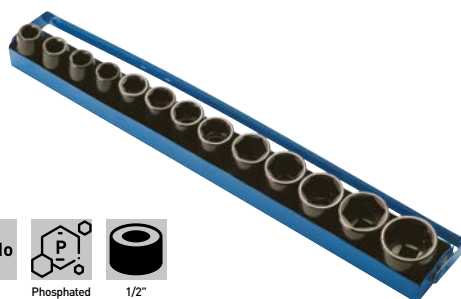
SI4E3N013

STANDARD IMPACT SOCKET SET

DIN 3129.



Socket
 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30 mm



0624

1/4" DR. SOCKET SET



1/4" Dr. sockets
 4 - 4.5 - 5 - 5.5 - 6 - 7 -
 8 - 9 - 10 - 11 - 12 - 13
 - 14 mm

Sockets with bits
 1/4": T8 - T10 - T15 -
 T20 - T25 - T30 - T40
 - H3 - H4 - H5 - H6 - H7
 - H8 - SL4 - SL5.5 - SL7
 - PH1 - PH2 - PH3 - PZ1 -
 PZ2 - PZ3

Ratchet handle
 1/4"

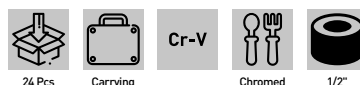
Flexible bar
 1/4" - 150 mm

1/4" Dr. socket-bars
 50 - 100 mm



0620

1/2" DR. SOCKET SET



1/2" Dr. sockets
 10 - 11 - 12 - 13 - 14 - 15
 - 16 - 17 - 18 - 19 - 20 -
 21 - 22 - 23 - 24 - 27 - 30
 - 32 mm

Spark plug sockets sizes
 1/2": 21 mm

1/2" Dr. socket-bars
 125 - 250 mm

Universal joint
 1/2"

Sliding T-bar
 1/2"

Ratchet handle
 1/2"



S179

DR. SOCKET SET

79 tools made of chrome vanadium, with 1/4", 3/8", and 1/2" reversible ratchet handles, extension bars, sockets, and hex keys



SI413M006

IMPACT HEX BIT SOCKET SET

DIN 3129.



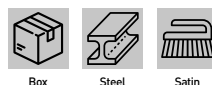
Socket
 8, 10, 12, 14, 17, 19 mm

Length
 60 mm



0341
**DEEP IMPACT HEX SOCKET SET
WITH PLASTIC SLEEVE**


Sizes	17 - 19 - 21 mm
Length	87 mm


E191-
3 JAW GEAR PULLER


Dimensions	Art.
Max Ø 120 mm - h 101 mm	E191/120
Max Ø 200 mm - h 150 mm	E191/200


E190-
2 JAW GEAR PULLER


Dimensions	Art.
Max Ø 80 mm - h 100 mm	E190/080
Max Ø 130 mm - h 100 mm	E190/130
Max Ø 160 mm - h 150 mm	E190/160
Max Ø 200 mm - h 150 mm	E190/200


D880/006
DIAMOND TIP SCREWDRIVER SET

With black blade and tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material. The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes Slot	(-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm
Cross	(+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm


C880/006
SCREWDRIVER SET

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



Sizes Slot	(-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm
Cross	(+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm


0880/307
SCREWDRIVER SET


Slotted	(-) 3,0x0,5x75 mm, (-) 4,0x0,8x100 mm, (-) 5,5x1,0x125 mm, (-) 6,5x1,2x150 mm, (-) 8,0x1,2x150 mm
Cross	(+) PH 1x80 mm, (+) PH 2x100 mm


AP01
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	8500 rpm
Torque	542 Nm 400 lb-ft
Avg air cons.	108 l/min 3.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg


AP02
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	7800 rpm
Torque	678 Nm 500 lb-ft
Avg air cons.	136 l/min 4.8 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,2 kg



AP03
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2 kg


AP04
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	7300 rpm
Torque	1085 Nm 800 lb-ft
Avg air cons.	153 l/min 5.4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	2,1 kg


AP05
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	5300 rpm
Torque	1900 Nm 1400 lb-ft
Avg air cons.	224 l/min 8.1 SCFM
Working pressure	6 bar 90 psi
Air inlet	3/8"
Net weight	3,3 kg


AP06
AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



Speed	9000 rpm
Torque	312 Nm 230 lb-ft
Avg air cons.	113 l/min 4 SCFM
Working pressure	6 bar 90 psi
Air inlet	1/4"
Net weight	1,1 kg


0413
MINI AIR DIE GRINDER

Collet 3mm and 6mm. Revolving rear air outlet. Body frame made from composite material.



Pliers	ø 3 mm - ø 6 mm	Working pressure	6 bar / 90 psi
Speed	25000 rpm	Air inlet	1/4"
Avg air cons.	4 SCFM (113 l/min)	Net weight	0,4 kg

0414
AIR DIE GRINDER

3mm and 6mm, with rear exhaust 360°, exclusive composite body design.



Pliers	ø 3 mm - ø 6 mm	Working pressure	6 bar / 90 psi
Speed	22000 rpm	Air inlet	1/4"
Avg air cons.	7 SCFM (198 l/min)	Net weight	0,6 kg

0416
90° AIR DIE GRINDER

Collet ø 3mm - ø 6mm. Revolving rear air outlet.



Pliers	ø 3 mm - ø 6 mm	Working pressure	6 bar / 90 psi
Speed	20000 rpm	Air inlet	1/4"
Avg air cons.	4 SCFM (113 l/min)	Net weight	0,5 kg

0417
LONG TYPE AIR DIE GRINDER

3 and 6mm pincers, with rear exhaust 360°, exclusive composite body design.



Pliers	ø 3 mm - ø 6 mm	Working pressure	6 bar / 90 psi
Length	295 mm	Air inlet	1/4"
Speed	20000 rpm	Net weight	0,6 kg
Avg air cons.	4 SCFM (113 l/min)		

0421
6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed control, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design, corrugated hose and dust bag.



Box



Disc diameter	150 mm - 6"	Working pressure	6 bar / 90 psi
Orbit	5 mm, 3/16"	Air inlet	1/4"
Speed	10500 rpm	Length	200 mm
Avg air cons.	3 SCFM (85 l/min)	Net weight	1 kg

0460
6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed adjustable, revolving rear air outlet, aluminum body, soft and ergonomic handle, Suction tube and dust collection bag.



Box



Disc diameter	150 mm - 6"	Working pressure	6 bar / 90 psi
Orbit	2,5 mm - 3 / 32"	Air inlet	1/4"
Max speed	10500 rpm	Length	200 mm
Avg air cons.	3 SCFM (85 l/min)	Net weight	1 kg

C033-
STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 3 functions and a big screen.



Box

INOX


862



Range	Reading	Beam	Jaws	Art.
0÷150 mm 0÷6"	0,01 mm 0,0005"	16 x 3,2 mm	40 mm	C033/150
0÷200 mm 0÷8"	0,01 mm 0,0005"	16 x 3,2 mm	50 mm	C033/200
0÷300 mm 0÷12"	0,01 mm 0,0005"	16 x 3,2 mm	60 mm	C033/300

C041/150
MONOBLOCK STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

3 functions with big lcd.



Box

INOX


Range	0÷150 mm 0÷6"
Reading	0,01 mm 0,0005"
Jaws	40 mm
Beam	16 x 3 mm
Battery type	Pila alcalina (bottone)
Battery features	LR44
Battery weight (Kg)	0,002

C057/150
CHROMED VERNIER CALIPER


Box



862



Range	0÷150 mm 0÷6"
Reading	1/20 0,05 mm 1/128"
Jaws	40 mm
Beam	16 x 3 mm



Box



862



Range	0÷150 mm 0÷6"
Reading	1/20 0,05 mm 1/128"
Jaws	40 mm
Beam	16 x 3 mm

C021-
MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

Fine adjustment.



Box

INOX


862



Range	Reading	Jaws	Beam	Art.
0÷300 mm 0÷12"	1/50 0,02 mm 1/1000"	100 mm	23 x 6 mm	C021/300
0÷500 mm 0÷20"	1/50 0,02 mm 1/1000"	150 mm	23 x 6 mm	C021/500

RX
SCALE WITH MULTIFUNCTION DIGITAL READOUT

The scale can be cut to reach the desired length functions: on/off - mm/inch - zero - abs/inc - auto power off.



Box



Total length	Range	Reading	Art.
630 mm - 24.8" inch	500 mm - 19.7"	0,01 mm 0.001"	R060
1000 mm - 40" inch	900 mm - 35"	0,01 mm 0.001"	R100

C023

DIAL INDICATOR



Dial size	60 mm
Range	10 mm
Reading	0,01 mm
Accuracy	0,015 mm

M033

OUTSIDE MICROMETER SET

With carbide faces and painted frame.



Size	0÷25 - 25÷50 - 50÷75 - 75÷100 - 100÷125 - 125÷150 mm
Reading	0,01 mm
Accuracy	0,004 - 0,004 - 0,005 - 0,005 - 0,006 - 0,006 mm
Spindle	Ø 6,3 mm

S052/2

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Main stem	Ø 12 x 176 mm
Assistant stem	Ø 10 x 150 mm
Magnetic force	800 N
Base dimensions	60 x 50 x 55 mm

S045

UNIVERSAL MECHANICAL ARM STAND



Main stem	Ø 12 x 160 mm
Assistant stem	Ø 10 x 180 mm
Magnetic force	600 N
Base dimensions	63 x 50 x 55 mm

0752CM3

FLOOR DRILL PRESS WITH DRIVE BELT

Rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

Max drilling capacity on cast iron with pre-drilling hole	Ø 25 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 20 mm
Continuous drilling capacity	Ø 16 mm
Motor	230 V 50 Hz 0,75 kW



0012

DRILL PRESS WITH DRIVE BELT

Inclinable and rotating table. Electrical system with separate 24V circuit for on-board machine controls.

Max drilling capacity on cast iron with pre-drilling hole	Ø 20 mm
Max drilling capacity on steel with pre-drilling hole(s235jr)	Ø 16 mm
Continuous drilling capacity	Ø 12 mm
Motor	230 V 50 Hz 0,65 kW



0518/38M

MAGNETIC TAPPING/DRILL

With coolant system for core drills until 38mm with weldon shank Ø 19.05mm and conical drill bits until Ø 20mm. Tapping capacity M4 - M16.

Continuous drilling capacity	Ø 20 mm
Spindle taper MT	2
Arbor	Weldon Ø 19,05 mm
Spindle travel	180 mm
Max working capacity	Ø 38 mm
Tapping capacity	M4 ÷ M16
Max. magnetic force	12000 N
Spindle speed	0 ÷ 500 0 ÷ 800 rpm
Motor	230 V 50 Hz 1.05 kW
Base dimensions	205 x 105 mm
Dimensions	280 x 320 x 510h mm
Net weight	20 kg



0518/80

MAGNETIC DRILL

With coolant system for core drills until 80 mm with weldon shank Ø 19.05 mm, morse taper shank drills mt 3 and straight shank drills until Ø 20 mm with reduced shank Ø 13 - 16 mm.

Continuous drilling capacity	Ø 20 mm
Spindle taper MT	3
Arbor	Weldon Ø 19,05 mm
Spindle travel	280 mm
Max. magnetic force	20000 N
Spindle speed	230 ÷ 770 rpm
Motor	230 V 50 Hz 1.8 kW
Base dimensions	215 x 110 mm
Dimensions	290 x 410 x 550h mm
Net weight	35 kg



M024-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Uncovered vine. With crank and fixing screws.



Jaws	Opening	Base dimensions	Slot	Art.
136 x 32 mm	170 mm	223 x 165 mm	14 mm	M024/136
160 x 50 mm	180 mm	252 x 182 mm	14 mm	M024/160
200 x 63 mm	220 mm	290 x 222 mm	18 mm	M024/200
250 x 45 mm	320 mm	290 x 270 mm	18 mm	M024/250

T008
CROSS WORKING TABLE

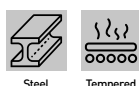

Slot	16 mm
Slot distance	75 mm
Height	130 mm
Travels	120 x 325 mm
Base locating slot	162 mm
Net weight	23 kg

0036-
STEEL VICE

Lateral sliding adjustment.



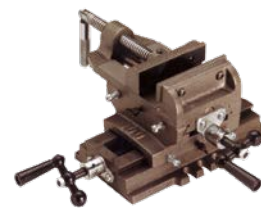
Jaws	Opening	Working height	Slot distance	Net weight	Art.
100 mm	105 mm	60 mm	85 mm	4,9 kg	0036/100
125 mm	138 mm	75 mm	110 mm	9,5 kg	0036/125
150 mm	180 mm	90 mm	150 mm	19 kg	0036/150

M006-
GENERAL USE STEEL CLAMP WITH T-SPINDLE


Span x Depth	Spindle	Art.
200 x 120 mm	22 x 10,5 mm	M006/200
300 x 140 mm	25 x 12 mm	M006/300
420 x 120 mm	25 x 12 mm	M006/400
500 x 120 mm	25 x 12 mm	M006/500
600 x 120 mm	25 x 12 mm	M006/600
800 x 120 mm	25 x 12 mm	M006/800
1000 x 120 mm	25 x 12 mm	M006/1000

0188-
2 - WAY CROSS VICE

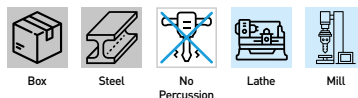
Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice.



Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Art.
100 x 25 mm	90 mm	240 x 140 mm	140 mm	130 mm	110 mm	0188/100
125 x 40 mm	110 mm	255 x 160 mm	150 mm	170 mm	130 mm	0188/125
150 x 40 mm	145 mm	280 x 170 mm	160 mm	160 mm	180 mm	0188/150

M051-
HIGH PRECISION 3 JAWS KEYLESS DRILL CHUCK

For industrial use, even in the most severe conditions of use. Sliding parts entirely hardened and ground. Spindle jaw hardness HRC58.



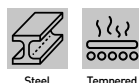
Capacity	Taper DIN	Dimensions	Art.
0,5 ÷ 8 mm	B 12	Ø 39 x 80 mm	M051/08
1 ÷ 10 mm	B 12	Ø 44,5 x 82 mm	M051/10
1 ÷ 13 mm	B 16	Ø 49,5 x 91 mm	M051/13
1 ÷ 16 mm	B 18	Ø 54 x 102,5 mm	M051/16
1 ÷ 20 mm	B 22	Ø 59 x 119 mm	M051/20

0146/60
STEEL VICE WITH SWIVEL BASE


Jaws	60 mm
Opening	65 mm
Clamp capacity	51 mm
Net weight	1,5 kg

M007-
GENERAL USE STEEL CLAMP RATCHET

Quick clamping.



Span x Depth	Spindle	Art.
250 x 120 mm	22 x 10,5 mm	M007/250
300 x 140 mm	25 x 12 mm	M007/300
400 x 120 mm	25 x 12 mm	M007/400
500 x 120 mm	25 x 12 mm	M007/500
600 x 120 mm	25 x 12 mm	M007/600