

TOOL CATALOG



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DEPRAG

DEPRAG AIRTOOLS

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DYNA VARIACOR

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SCRAP' AIR

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momento

MOMENTO

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DEPRAG air tools are distinguished by their long lifespan, power density and user friendliness. Effortless performance is guaranteed – even when working on areas which are difficult to reach.

The product range contains a wide selection of tools. DEPRAG's comprehensive program includes angle grinders with vane motor and turbine motor. Straight grinders and angle grinders are available with different power ranges and idle speeds. DEPRAG CZ a.s. offers drills from small hand drilling machines up to MK5-drills. Tappers are available as straight design or pistolgrip, for all the way size M14 threads. DEPRAG hammers and needle scalars are excellent tools for cleaning, riveting or demolition. For cutting, shaping and sculpting we recommend DEPRAG air files, saws and metal shears.

All DEPRAG pneumatic tools are made in Germany or The Czech Republic.



Straight grinders with collets



GDS009-1000BY



GDS011-650BYE

Type	RPM	Collet, mm	Weight kg	Max. Ø of grinding tip, mm	Max. Ø of grinding insert., mm	Nb!
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POWER 90 W

The DEPRAG Top-Speed-Grinder with a modern gear-motor, brings all the advantages, such as high power-output, consistent high-speed, robustness and oilfree use.

GDS009-1000BY	100 000	3	0,3	5	3	Twist Valve
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POWER 110 W

Small grinders are especially well suited for finishing and precision grinding. GDS011-650BYE is equipped with flexible spindle.

GDS011-650BYE *)	65 000	3	0,1	10	3	Lever Valve
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*) With flexible spindle

POWER 130 W

GDS013-720BX	72 000	3	0,3	10	3	Lever Valve
GDS013-720BY	72 000	3	0,3	10	3	Twist Valve

POWER 250 W

DEPRAG grinder with turbine drive is especially designed for carbide burs. Low levels of vibration and oil-free operation.

GDST025-700BY	70 000	3	0,3	13	6	Twist Valve
GDST025-700BYO	70 000	3	0,3	13	6	Twist Valve

BY = with integrated, automatic brake
BYO = without brake



GDST025-700BY

POWER 300 W

Ergonomic DEPRAG grinders are available in three designs: short, basic and long design. Also 15 000, 20 000, 23 000 and 45 000 rounds per minute are available. Flexible spindle improves working quality and reduces vibration.

GDS030-120BX	12 000	6	0,4	20	10	Lever Valve
GDS030-180BXE *)	18 000	6	0,4	20	10	Lever Valve
GDS030-250BXES *)	25 000	6	0,6	25	12	Lever Valve
GDS030-300BX	30 000	6	0,4	20	6	Lever Valve
GDS030-300VX	30 000	6	0,4	20	6	Lever Valve

*) With flexible spindle

SX = short design, BX = basic design, VX = long design 100mm



GDS030-300BX

Straight grinders with collets



GDS030-300QX

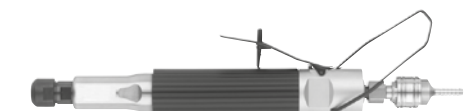
POWER 300 W

The grinder has an extended, slender spindle and it is best used in areas that are hard to access.

Type	RPM	Collet, mm	Weight, kg	Max. Ø of grinding tip, mm	Max. Ø of grinding insert., mm	Nb!
GDS030-300QX	30 000	6	0,4	10	6	Lever Valve

POWER 350 W

DEPRAG powerful grinder allows the low-fatigue operation in industrial areas. Equipped with lever valve.



GDS035-023BX

GDS035-023BX	2 300	6	1,2			Lever Valve
GDS035-045BX	4 500	6	1,2			Lever Valve

POWER 500 W

Powerful straight grinder for carbide burs and grinding stones. Also speed of 25 000 and 30 000 RPM are available.



GDST050-0550BXO

GDS050-120SXI	12 000	6	0,7	32	16	Lever Valve
GDS050-200SXI	20 000	6	0,7	32	16	Lever Valve
GDS050-120BXI	12 000	6	0,9	32	16	Lever Valve
GDS050-200BXI	20 000	6	0,9	32	16	Lever Valve
GDS050-120VXI	12 000	6	0,8	32	16	Lever Valve
GDS050-200VXI	20 000	6	0,8	32	16	Lever Valve
GDS050-200WXI	20 000	6	1,0	32	16	Lever Valve

SX = short design, BX = basic design, VX = long design 100mm, WX = extension design 185mm



GDS050-200SXI



GDS050-200VXI

POWER 700 W

Powerful straight grinder for carbide burs and grinding stones. Also speed of 19 000 RPM is available.



GDS070-230SXI



GDS070-VXI

GDS070-070SXI	7 000	6	1,2	35	16	Lever Valve
GDS070-230SXI	23 000	6	1,2	35	16	Lever Valve
GDS070-120BXI	12 000	6	1,5	50	16	Lever Valve
GDS070-153BXI	15 300	6	1,5	35	16	Lever Valve
GDS070-230BXI	23 000	6	1,7	35	16	Lever Valve
GDS070-153VXI	15 300	6	1,5	35	16	Lever Valve
GDS070-230VXI	23 000	6	1,5	35	16	Lever Valve
GDS070-153WXI	15 300	6	2,1	35	16	Lever Valve
GDS070-153W1XI	15 300	6	2,6	35	16	Lever Valve
GDS070-153W2XI	15 300	6	3,1	50	16	Lever Valve

SX = short design, BX = basic design, VX = long design, WX = extension design
Extension spindle lengths: WXI - 400 mm, W1XI - 600 mm, W2XI - 800 mm, W3XI - 1000 mm, W4XI - 1200 mm

Grinders

GDA030-450BX



ANGLE GRINDERS WITH COLLETS

DEPRAG grinders with collets are especially well suited for the precision grinding in tight places. There is no bevel gear in the machine, which makes the service interval longer. Suitable for ROLOC discs.

Type	Power, W	RPM	Inlet hose Ø, mm	Weight, kg	Max. Ø of grinding tip, mm	Max. Ø of grinding insert, mm	Max. Ø of collet, mm
Angle 90°							
GDA030-200SX	300	20 000	8	0,8	20	6	6
GDA030-300BX	300	30 000	8	0,5	20	6	6
GDA030-450BX	300	45 000	8	0,5	16	6	6
GDA030-300SX	300	30 000	8	0,5	20	6	6
GDA060-200BX *)	600	20 000	10	1,4	-	-	8
*) designed for the grinding (or sharpening) of drill-crowns							
Angle 120°							
GDB030-200BX	300	20 000	8	0,5	20	6	6
GDB030-300BX	300	30 000	8	0,5	20	6	6
GDB030-450BX	300	45 000	8	0,5	16	6	6
GDB030-300SX	300	30 000	8	0,5	20	6	6

GDB030-450SX



GS508-120BX



STRAIGHT GRINDERS

DEPRAG straight grinders are designed for the use with flat grinding disks when heavy-duty fabrication is required on steel and castings and for the deburring of welding, casting, and ridge seams. It can also be used with steel brushes for the removal of rust, the descaling of rolled steel and forgings. Safety guard is included.

Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	Grinding tip Ø / width, mm
GS315-240BX	2,4	4 000	16	6,5	150/20
GS508-120BX	1,2	12 000	13	2,2	80/20
GS510-230BX	2,3	9 500	16	4,0	100/20
GS515-280BX	2,8	6 400	16	5,4	150/20
GS818-210BX	2,1	8 500	16	4,0	180/22,23
GS818-210BXE	2,1	8 500	16	4,25	180/22,23
GS823-280BXE	2,8	6 600	16	5,5	230/22,23

BXE = With Autobalancer for reduced vibrations

GS315-240BX



BELT SANDERS

DEPRAG CZ a.s. offers contact arms for belt sanders in different designs, shapes, sizes and materials - made for your application. The application range of the belt grinders is almost unlimited, due to many different contact arms that we offer. Low noise and vibration levels.

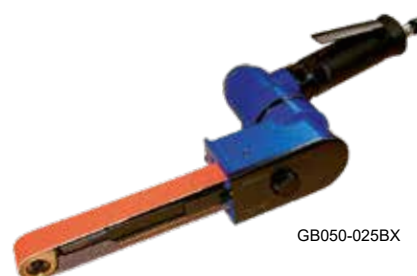
Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	Belt size, mm
GBA030-013BX-200	300	20 000	6	0,9	13 x 305
*) GBA030-013CX-200	300	20 000	6	1,2	13 x 305
GB050-025BX	500	16 000	10	1,4	19 x 480

*) Design with exhaust hose

GB030-013BX



GB050-025BX



GB050-025BX is available with 25 mm wide belt!

Grinders



ANGLE GRINDERS WITH ANGLE GEAR

DEPRAG's comprehensive program includes angle grinders for grinding disks with diameter of 100 mm to 230 mm at power range from 500 Watt to 2 300 Watt. These grinders are designed to perform best on heavy duty industrial applications. The robust construction of these tools assure an extended longevity - even when used in 24/7 operations. Vane motor requires lubricated air. Professional angle grinders are equipped with speed regulator, which keeps the speed of the tool constant, even if tool is operated at maximum load.

Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	I.D. and O.D. of grinding wheel, mm	Thickness of grinding wheel, mm	Max. cutting depth, mm	Spindle thread
GA810-050BX	0,5	15 300	10	1,3	100/16	6	30	M14
GA811-100BX	1,0	13 200	13	2,4	115/22,2	6	29	M14
GA812-100BX	1,0	12 200	13	2,4	125/22,2	6	34	M14
GA812-190BX	1,9	11 900	16	3,0	125/22,23	6	30,5	M14
GA815-190BX	1,9	9 850	16	3,1	150/22,23	6	43	M14
GA818-190BX	1,9	8 350	16	3,3	180/22,23	8	58	M14
GA823-190BX	1,9	6 650	16	3,6	230/22,23	8	83	M14
GA818-250BX	2,5	8 400	16	4,4	180/22,2	10	55	M14
GA823-250BX	2,5	6 500	16	4,6	230/22,2	10	80	M14



TURBINE GRINDERS

DEPRAG turbine grinders are available in power range from 2,2 kW to 4,5 kW for scrubbing and cutting disks Ø from 125 mm to 230 mm. GAT-turbine grinder features an oil-free turbine motor with clearly reduced maintenance expenditure. The machines include built-in filter to remove impurity from the air. Integrated ABU (auto-balancing -unit) reduces vibration and allows a fatigue-free operation. M14 spindle thread is also available.

- Double the power, half the weight
- Oil-free operation
- Spindle-lock at the push of a button; keyless wheel/disk replacement possible

Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	I.D. and O.D. of grinding wheel, mm	Thickness of grinding wheel, mm	Max. cutting depth, mm
GAT812-221BX	2,2	12 000	13	2,2	125/22,23	6	38,5
GAT812-260BX	2,6	12 000	13	2,2	125/22,23	6	38,5
GAT815-260BX	2,6	10 200	13	2,8	150/22,23	10	44
GAT818-260BX	2,6	8 500	13	2,8	180/22,23	13	59
GAT818-451BX	4,5	8 500	19	4,0	180/22,23	10	59
GAT823-451BX	4,5	6 600	19	4,2	230/22,23	8	76



Polishers

PISTOLGRIP POLISHERS

- Power 450 W
- Weight 0,8 kg

Pistol grip polishers are designed for fine grinding. They are equipped with 6mm collet, so inserting the grinding plate is easy.



PLU50A-55ZK



PA070-060BYI



PAT260-085BX



PS045-034BXT



PLUE-125/150

Type	RPM	Ø Rubber backing pad, mm	Ø Polishing wheel, mm	Ø Spindle, mm	Inlet hose Ø, mm	Spindle thread
With speed regulator:						
PLU50A-55ZK	21 000	50	35	9,5	10	M12x1
PLU50B-45ZK	17 800	50	35	-	10	M12x1
PLU50C-40ZK	15 000	50	35	-	10	M12x1
PLU75A-70ZK	17 800	75	-	-	10	M12x1

ANGLE-HEAD POLISHERS

Angle-headed polishers are designed for removing rust and paint from metal surfaces. A rubber plate is usually used under the emery paper. Durable construction and low vibration level enable continuous work.

Type	Power, W	RPM	Ø Rubber backing pad, mm	Inlet hose Ø, mm	Weight, kg	Spindle thread
PA025-036SX	250	3 600	120	6	0,9	M14
PA025-021SX	250	2 100	120	6	0,9	M14
PA025-011SX	250	1 100	120	6	0,9	M14
PA030-032BX	300	3 200	120	6	0,8	M14
With speed regulator:						
PLP180A-40X	700	4 000	180	10	2,4	M14
PLP180B-40X	700	4 000	180	10	2,2	M14
PA070-060BYI	700	6 000	180	10	2,0	M14
PA100-050BYI	1 000	5 000	180	10	2,7	M14
With turbine motor:						
PAT260-085BX	2 600	8 500	180	13	2,2	M14

STRAIGHT DESIGN WITH SPEED REGULATOR

Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	Spindle thread
PS045-034BXT	450	3 400	10	1,5	5/8"

ECCENTRIC ORBITAL POLISHER WITH SPEED REGULATOR

Eccentric orbital polishers are designer for finishing a painted surface. Small size and low sound level enable continuous work.

Type	Power, W	RPM	Ø Polishing wheel, mm	Inlet hose Ø, mm	Weight, kg	Spindle thread
PLUE125/150	150	12 000	125	10	0,9	5/16"
PAE020-120BX	200	12 000	75	6	1,0	5/16"

Drills and tappers

STRAIGHT DRILLS

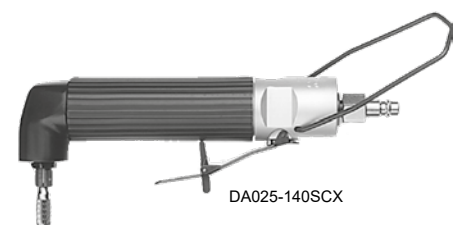


DS012-005PC

A simple and fast exchange of the drill bit is possible because of the keyless drill-chuck. It is possible to drill small holes with a diameter of 0.5 to 6.0 mm using DEPRAG pneumatic straight drills that feature a speed range of 500 to 20,000 rpm.

Type	Power, W	RPM	Weight, kg	Max. drill diam., mm	Collet chuck, mm
DS012-005PC *)	120	500	0,8	6	8
DS029-170SXPB10	290	17 000	0,89	6	0,5-6,5
DS029-045SXB10	290	4 500	1,0	6	0,5-6,5
DS029-021SXPB12	290	2 100	1,0	10	0,5-10

*) Deburring of holes, push-to-start



DA025-140SCX

ANGLE DRILLS

Angle drills are equipped with collet, so the height of the angle head is as short as possible.

Type	Power, kW	RPM	Inlet hose Ø, mm	Weight, kg	Drilling into, mm		Collet, mm
					Steel	Aluminum	
With collet, angle head 90°							
DA020-040SZC	0,20	4 000	6	0,8	3	4,8	1-4,8
DA035-036SXC	0,35	3 600	10	1,0	6	6	3-6
DA035-140SXC	0,35	14 000	10	1,0	6	10	3-6



DS310-001YRMK5

DRILLS WITH MORSE TAPER

Drills with morse taper are designed for efficient working and drilling big holes. The feeding screw in the drill makes the drilling movement. There is available right rotating drills and reversible drills.



DA220-004YRMK4

Type	Power kW	RPM	Drilling into steel, mm	Reaming up to, mm	Tapping into steel, mm	Milling of pipes, mm	Inlet hose Ø, mm	Weight, kg	Morse taper
Drills with Morse Taper 700 W - 3,5 kW									
Right-rotating, chuck range (1 - 13 mm):									
DS070-014ZMK1	0,7	1 400	15	-	-	-	10	3,5	7
Reversible drill:									
DS310-002YRMK5	3,1	220	60	50	65	65	19	34,0	5
DS310-001YRMK5	3,1	150	80	75	100	120	19	34,0	5
Angle Drills with Morse Taper 480 W - 2,2kW									
Right-rotating									
DA048-010YMK1	0,48	1 000	15	12	-	-	10	2,9	1
DA150-004YMK2	1,5	400	23	18	-	-	15	8,3	2
DA210-004YMK3	2,1	400	32	27	-	-	15	11,7	3
DA220-003YMK4	2,2	300	50	13,9	-	-	19	13,9	4
Reversible drill, with morse taper									
DA220-004YRMK4	2,2	400	55	50	50	55	19	17,0	4
DA220-002YRMK5	2,2	180	80	75	80	120	19	21,7	5

Drills and tappers



PISTOL DRILLS

DEPRAG line of drills are especially robust air tools for the drilling of different materials. There are many different models available with speed from 350 to 17 000 1/min. Drills are equipped with a key chuck or a quick change chuck.

Type	Power, kW	RPM	Drilling into, mm		Inlet hose Ø, mm	Weight, kg	Chuck capacity, mm	Spindle thread
			Steel	Aluminum				
PV6F	0,21	5 000	6	6	8	0,7	0,5 - 6	3/8"x24
PV6E 1)	0,21	5 000	6	8	8	0,7	0,5 - 6	3/8"x24
DP029-170ZPB10	0,29	17 000	-	6	6	0,9	0,5 - 6,5	B10
DP029-045ZB10Q 1)	0,29	4 500	4	6	6	1,2	0,5 - 6	B10
DP029-021ZB12Q 1)	0,39	2 100	6	8	6	1,0	0,5 - 8	B12
DP029-015ZPB12	0,29	1 500	8	10	6	1,0	0,8 - 10	B12
DP029-007ZPB12	0,29	700	10	-	6	1,0	0,8 - 10	B12
DP029-004ZPB12	0,29	350	10	-	6	1,0	0,8 - 10	B12
DP030-020ZRB12 2)	0,30	2 000	6	8	8	1,0	1 - 10	B12
PV13D *)	0,35	350	13	13	10	2,0	2 - 13	1/2"20 UNF
DP040-005ZB16	0,40	470	13	13	10	2,3	1 - 13	B16
PV13B	0,50	1 950	13	13	10	2,5	2 - 13Q	1/2"20 UNF
PV16B	0,50	850	16	16	10	3,2	3 - 16	B16
DP060-037ZP3/8"	0,60	3 700	10	10	10	1,1	0,8 - 10	3/8"x24
DP060-060ZP3/8"	0,60	6 000	10	10	10	1,1	0,8 - 10	3/8"x24
PVR32A-04X 2)	1,45	380	32	32	19	9,5	-	-
PV32A-04X	1,85	380	32	32	19	9,5	-	-

1) Quick change chuck 0 - 6 mm 2) Reversible

*) For frame drill set, without chuck



DP29-021ZB12Q

DP30-020ZRB12

TAPPERS

DEPRAG tappers are suitable for vertical and horizontal applications. The tappers are equipped with a flexible chuck that perfectly guides the tap-insert and cuts a straight thread, even if the taper is held at a slight angle.



DP060-037ZP3/8"

Type	Power, kW	Speed (no load), 1/min		Tapping into, mm		Inlet hose Ø, mm	Weight kg	Tap holder capacity, mm	Taper DIN 238
		To right	To left	Steel	Aluminium				
Inline design, start by lever, reverse by pulling									
DS040-007BXP12	0,25	650	1 120	M6	M8	6	1,5	3 - 9	B12
DS070-003BXP16	0,7	320	550	M14	M16	10	2,9	3 - 9	B16
Pistolgrip, start and reverse by trigger									
DP015-006ZRP10	0,15	620	660	M5	M6	6	0,8	3 - 9	B10
DP030-007ZRP12	0,3	650	550	M8	M10	6	1,5	3 - 9	B12
DP040-003ZRP16	0,4	300	250	M14	M14	10	2,4	3 - 9	B16



DS070-003BXR16



DP040-003ZRB16

Hammers



HC008-R10P



HC010-H10B



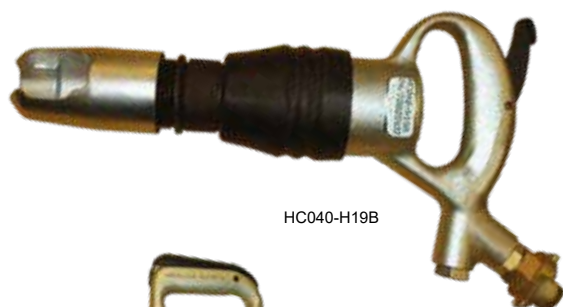
HC080-HR20V

SMALL-SIZED HAMMERS

DEPRAG large program of robust hammers include the small-sized hammers needed for an artist while creating stone statues up and including jack hammers that are used during road constructing and in mining. The DEPRAG INDUSTRIAL hammer excel through their longevity, high power output and user friendliness. We offer all kinds of air tools for quarries, construction and foundries.

Type	Hex. Shank, mm	Impacts, min ⁻¹	Inlet hose Ø, mm	Weight, kg
Pistolgrip design				
HC007-HR12P	Ø-hex. 11,7x36/10x36	4 000	6	0,7
HC008-HR12P	Ø-hex. 11,7x36/10x36	3 500	6	0,8
HC012-H14B	hex. 14x25	4 500	8	1,2
Straight design				
HC010-H10B	hex. 10x25	9 000	6	1,0
Fist grip design with retainer spring				
HC080-R20V	Ø 20x60	1 400	13	7,8
HC080-HR20V	Ø-hex. 20/17x60	1 400	13	7,8
Fist grip design, with cap				
HC040-H19B	hex. 19x50	2 700	13	4,0
HC050-H19B	hex. 19x50	2 500	13	5,0
HC057-H19B	hex. 19x50	2 100	13	5,7

Other shanks available



HC040-H19B



HC012-H14B



HP090-H22B



HB150-H22V

PICK AND SPADE HAMMERS

Deprag's program includes pick and spade hammers up to a weight class of 30kg. The hammers are available with fist grip design or T-handle for two hands.

Type	Hex. Shank, mm	Impacts, min ⁻¹	Inlet hose Ø, mm	Weight, kg
Fist grip design				
HP090-H22B	kk. 22x82	1 590	16	9,0
HP100-H22B	kk. 22x82	1 590	16	9,0
HP101-R25B	Ø 25x75	1 200	16	10,3
HP101-R25D	Ø 25x75	1 200	16	10,3
HP120-R25V	Ø 25x75	1 260	16	12,0
HP130-R25B	Ø 25x75	1 260	16	13,0
T-handle				
HB150-H22V	kk. 22x82	1 590	16	15,0
HB300-H32V	kk. 32x160	1 320	16	30,0

Special tools



HR025-R40B

IMPACT HAMMERS WITH MORSE TAPER

For the forming of loose materials, especially in foundries and wherever bulk materials need to be compacted.

Type	Impacts, min ⁻¹	Piston stroke, mm	Piston-Ø, mm	Morse taper	Length of tool, mm	Weight, kg
HR025-R40B	1 200	80	20	-	210	2,5
HR085-R60V	870	220	32	2	1280	8,5
HR105-R60V	780	140	36	2	1345	10,5
HR025-MK2B	850	120	28	2	490	4,2
HR093-MK2B	870	160	32	2	1200	9,3



SN23

NEEDLE SCALERS

Air needle scalers are high-quality, robust tools for cleaning welding seams, removal of rust from steel structure and removal of paint etc. The needles shape to the surface so the surface doesn't have to be even. Non-sparking needles up on request. Straight and pistolgrip design are available.



SN30

Type	Number of needles	Size of needles, mm	Impacts, min ⁻¹	Inlet hose Ø, mm	Weight, kg
SN23 (straight design)	12	Ø 3x180	4 000	10	2,4
SN10	29	Ø 2x150	4 000	10	1,4
SN25	23	Ø 3x180	4 000	10	2,7
SN30	28	Ø 3x180	4 500	10	3,5



SN10

Special tools

PLIERS

DEPRAG pliers are suitable for cutting wires made of copper, aluminium, plastic or steel (400 N/mm²). They are also suitable for mounting different kind of clamps. Slender size and light weight make working easier. A wide range of inserts are available.



P0383X-C00



P0453X-C00



P1361Z-C00



P1362Z-C00



P0452Z-C00

Type	Weight, kg	Cutting force, N
Pliers with trigger and integrated lever-lock to avoid unintentional start		
P0181Z-C00	0,08	560
P0241Z-C00	0,15	830
P1361Z-C00	0,48	3 400
P1362Z-C00	0,59	2 750
P0452Z-C00	1,04	4 000
Pliers for cutting, with safety lever		
P0282X-C00	0,5	1 460
P0283X-C00	0,6	2 180
P0382X-C00	0,65	3 000
P0383X-C00	0,8	3 800
P0452X-C00	1,0	6 600
P0453X-C00	1,15	8 700

PLIERS FOR CLAMPS

Opening width can be adjusted



P0383X-P00-I90CL08



P0384X-S00-I90R10



P0383X-P00-I90C0



P0452X-P00-IFE

Type	Width of clamp, mm	Max. opening width, mm	Min. closing width, mm	Weight, kg	Squeeze force, N
Pliers Click-clamp					
P0383X-P00-I90CL06	6	20	2,5	0,75	2 900
P0383X-P00-I90CL08	8	20	2,5	0,75	2 900
Pliers for hose-clamp, max. 50 mm					
P0383X-S00-I90R08	7,5	13	0,8	0,65	3 100
P0384X-S00-I90R10	10,0	13	0,8	0,65	4 100
Pliers for hose-clamp, 50 - 100 mm					
P0451X-S00-I90R	-	12	0,8	1,0	3 000
P0452X-S00-I90R	-	12	0,8	1,2	4 500
Pliers for cobra-clamp					
P0383X-P00-I90C0	9	23	6,5	0,6	1 800
Pliers for spring-clamp, max. 50 mm					
P0383X-P00-IFE	-	62	5	0,75	900
Pliers for spring-clamp, 50 - 100mm					
P0452X-P00-IFE	-	70	5	0,75	450

Clamps



SAWS

Pneumatic saw is ideal for applications where it has to be started frequently. They don't produce exhaust fumes and noise is clearly lower than with regular saws. The unit is ideal for indoor as well as humid areas and even working underwater. The air saws can also be used in explosions hazardous environments.

PPP35AX



Type	Power, kW	Stroke speed (no load), 1/min	Stroke of saw blade, mm	Max. length of saw blade, mm	Max. dimensions of cutting material, mm	Inlet hose Ø, mm	Weight, kg
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Air jig saw for metal and plastic

PPP35AX	1,1	380	68	350	300x27x1,6	19	9,0
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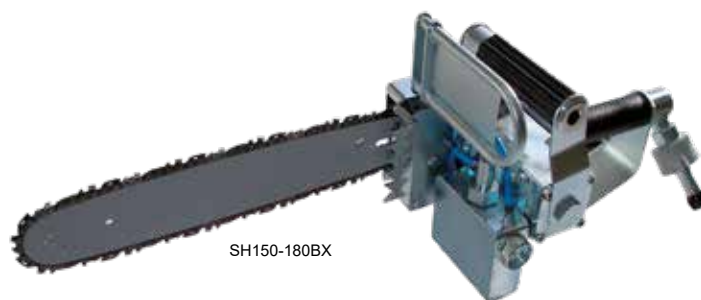
Air jig saw for explosions hazardous environments

SS150-280BX	1,5	280	68	400	300x27x1,6	19	10,8
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Type	Power, kW	RPM (no load)	Max. length of chain bar, mm	Max. cutting diameter, mm	Inlet hose Ø, mm	Weight, kg
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Chain saw, ATEX-compliant

SH150-180BX	1,5	18 000	350	340	19	7,6
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SH150-180BX

METAL SHEARS

Metal shears are robust and light weight. Smallest cutting radius is 15 mm so the shears are well-suited for curved cutting job of sheet-metal or non-ferrous plates. The power is 320 W



Type	Max. metal thickness, mm				Smallest cutting radius, mm	Inlet hose Ø, mm	Weight, kg
	Sheet metal, 400 N/mm²	Sheet metal, 600 N/mm²	Sheet metal, 800 N/mm²	Aluminum, 250 N/mm²			

Handheld

S20-180Y	2,0	1,6	1,4	2,5	15	6	1,90
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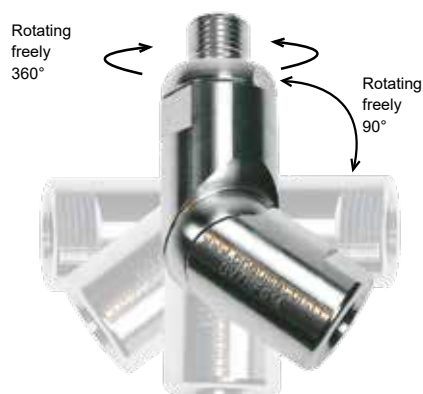
AIR FILES

DEPRAG low-vibration and light file is steady during operation. The ergonomic handle assures a low fatigue but powerful operation. The machines are delivered with an assortment of different files.

FS905-630BY



Type	Stroke speed, 1/min	Stroke length, mm	File shank size, mm	Inlet hose Ø, mm	Weight, kg
FS404-900BU	9 000	4	3	6	0,4
FS905-630BY	6 300	9	5	6	0,5
FS911-370BU	3 700	9	6,5	6	1,1



French-based DynaVariacor produces Variacor swivel joint connectors for several different industrial applications. They are greatly suitable to be used with for example pneumatic hoses and tools to bring more mobility and flexibility to the connection. Variacor® connectors are internationally patented.

Swivel Connections



SWIVEL CONNECTIONS FOR COMPRESSED AIR

The Joint Swivel Connection is a brilliant multi-directional connection that rotates in all directions. The Joint Swivel connection makes working easier in narrow spaces as pipes and hoses remain straight.

- Maximum working pressure: 10 bar
- Operating temperature: -10 - +70 °C

Model	Thread	Diameter, mm	Length, mm	Max. flow, l/s	Weight, g
DV7MFG14	1/4" male/female	24,0	67,0	12	79,0
DV11MFG38	3/8" male/female	29,5	82,0	30	126,0
DV11MFG12	1/2" male/female	29,5	82,0	30	132,0
DV15MIXFB12	1/2" male/female	39,0	98,0	45	300,0
DV16MFG34	3/4" male/female	46,0	98,0	52	374,0
DV16MFG1	1" male/female	46,0	98,0	52	358,0

SWIVEL CONNECTIONS FOR LIQUID

Variacor® -connections can be used for non-explosive liquids.

Model	Thread	Material	Flow diameter, mm	Max. working pressure, bar
DV6MFB14HPIXPU	1/4" male/female	AISI 303	6,0	250
DV6MFB38HPIXPU	3/8" male/female	AISI 303	6,0	250
DV11MFB12A	1/2" male/female	Aluminum	11,0	25
DV11MFB38IX	3/8" male/female	AISI 303	11,0	25
DV11MFB12X	1/2" male/female	AISI 303	11,0	25
DV15MFB34X	3/4" male/female	AISI 303	15,0	25
DV25MFB11X	1" male/female	AISI 303	25,0	25

Scrap'Air is a product line of a French company called MABI. Scrap'Air includes a wide selection of pneumatic hammers and chisels. In 2010, the company registered a patent for a new anti-vibration hammer kit. The new invention reduces vibrations up to 60 %.



Anti-vibration hammers



ANTI-VIBRATION HAMMERS

SCRAP'AIR® manufactures high-quality pneumatic hammers for removal and demolition. Pneumatic hammers have patented anti-vibration system. The hammers are available in four different sizes and all of them are delivered in a handy-box containing: 8 cm delta knife, 4 cm chisel, in-line oiler, oil can and protection kit. Assortment of chisels, knives and spades are also available.

Model	Frequene, min ⁻¹	Air consumption, l/min	Lenght, mm	Weight, Kg
SCRAP'AIR 24	4 750	210	520	4,2
SCRAP'AIR 36	3 500	250	520	4,3
SCRAP'AIR 38	2 950	280	1 200	6,0
SCRAP'AIR 55	2 250	300	1 200	6,2



Part No.	Description
Tools are suitable for hammers 24, 36 and 38.	
1	07030161 Pointed chisel hexagonal
2	07030175 Chisel 2.5 cm
3	07030156 Chisel 3.5 cm with carbide teeth
4	07030180 Chisel 4 cm
5	07030256 Chisel 5 cm
6	07030266 Chisel 8 cm
7	07030135 Delta knife 8 cm straight
8	07030145 Delta knife 12 cm straight
9	07030150 Delta knife 12 cm curved
10	07030147 Delta knife 15 cm curved

RAD torque wrenches, manufactured in Canada, provide fast and reliable bolt tightening and loosening. RAD products have proven to be successful all over the world in industries such as oil & gas, petrochemical, mining, aerospace, power generation, and manufacturing. Planetary gear driven wrenches, as opposed to conventional torque tools, have the advantage of continuous rotation while applying controlled torque. This makes them much faster than conventional hydraulic wrenches and with their pistol grip they are safer and more ergonomic. Torque wrenches are available as pneumatic, battery and electric-powered covering a torque range of 30 up to 15.000 Nm. All RAD torque wrenches come with a standard reaction arm. This arm is designed for the most common applications. All wrenches rotate both ways.



RAD Battery series

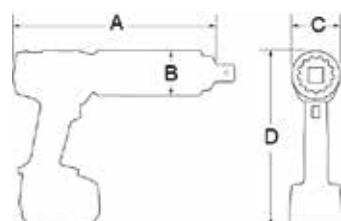


B RAD SELECT BL 2000-2

B-RAD SELECT BL

- Accuracy of $\pm 5\%$

The B-RAD Select BL brushless battery torque wrenches come with two simple buttons to increase or decrease the value by 10 Nm. Tool releases the reaction arm when the desired torque is achieved. Accuracy of $\pm 5\%$ and extremely low noise level – only 65 dB. Low battery warning to prevent torque output reduction.



Model	Square drive	Torque, Nm		RPM	Weight, kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
B-RAD SELECT BL 275	1/2"	50	270	47	3,2	228	63	68	262
B-RAD SELECT BL 700	3/4"	175	700	21	3,2	231	63	67	262
B-RAD SELECT BL 1400	3/4"	300	1 400	10	3,5	231	63	67	262
B-RAD SELECT BL 1400-2	3/4"	540	1 400	71	3,5	279	63	67	262
B-RAD SELECT BL 2000	1"	400	2 000	6	4,3	244	69	69	262
B-RAD SELECT BL 2000-2	1"	400	2 000	19	4,9	298	69	69	262
B-RAD SELECT BL 4000	1"	800	4 000	3	6,0	285	81	81	266
B-RAD SELECT BL 4000-2	1"	800	4 000	19	6,7	337	81	81	266
B-RAD SELECT BL 7000	1,5"	1 400	7 000	2	8,8	295	95	95	272



B RAD X 15K

B-RAD X

- Maximum torque of 15 000 Nm

B-RAD X is the world's most powerful battery-powered torque wrench with a maximum torque of up to 15 000Nm! The torque wrench has brushless DC motor and a hand guard as standard, which improves the user's safety. 4-button interface with high contrast LED display provides feedback during operation.

Model	Square drive	Torque, Nm		RPM	Weight, kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
B-RAD X 7000	1 1/2"	700	7 000	2	10,5	318	95	95	362
B-RAD X 10K	1 1/2"	1 000	10 000	2	13,8	349	108	108	369
B-RAD X 15K	1 1/2"	1 500	15 000	1	19,3	387	127	127	375

RAD Battery series



B-RAD SELECT OFFSET

- For places hard to reach
- Available in single and automatic 2-speed gearbox
- Noise level max 65 dB

These battery powered torque wrenches fit where standard wrenches cannot be used. B-RAD SELECT OFFSET is based on the standard B-RAD SELECT wrench and has all the same technical features. With one major difference, the torque multipliers are placed in an offset position, so that the wrench can be used better to tighten bolts in tight and difficult to reach spaces.

Model	Square drive	Torque, Nm		RPM	Weight, kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
B-RAD OFFSET 275	1/2" or 3/4"	50	270	47	3,2	110	63	50	352
B-RAD OFFSET 700	3/4"	175	700	21	3,5	126	63	50	352
B-RAD OFFSET 1400	3/4"	300	1 400	10	3,5	126	63	50	352
B-RAD OFFSET 1400-2	3/4"	540	1 400	71	4,3	174	63	50	352
B-RAD OFFSET 2000	1"	400	2 000	6	4,0	139	69	50	352
B-RAD OFFSET 2000-2	1"	400	2 000	19	4,9	193	69	50	352
B-RAD OFFSET 4000	1"	800	4 000	3	6,0	180	81	50	356
B-RAD OFFSET 4000-2	1"	800	4 000	19	6,7	232	81	50	356
B-RAD OFFSET 7000	1 1/2"	1 400	7 000	2	9,3	190	95	50	362

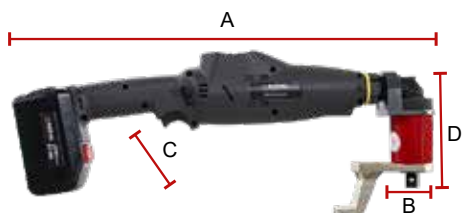
SDM BATTERY

- For places hard to reach
- Noise level max 85 dB

The new SDM gearboxes offer superior advantages in tight spaces where high torque is essential. The low weight and size reduce operator fatigue and eliminate the use of large and tiresome manual torque wrenches. Thanks to RAD's highly developed multiplier technology, the wrenches will continue to perform reliably for years to come.



Model	Square drive	Torque, Nm		RPM	Weight, kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
SDM BATTERY 340P	1/2"	40	340	12	3,2	468	42	53	104
SDM BATTERY 680P	3/4"	70	680	12	3,3	468	53	53	118
SDM BATTERY 1400P	3/4"	130	1 400	12	4,5	475	63	63	138
SDM OFFSET 1400P	3/4"	130	1 400	12	5,3	352	63	76	83



RAD Battery series



MB-RAD

- Torque range: 30 - 7 000 Nm
- Torque + angle limits
- Torque setting every 1 Nm
- Torque check function
- Torque accuracy $\pm 5\%$, repeatability $\pm 3\%$

MB-RAD torque wrenches are for meant for professional use and are suitable for demanding applications. Now with data logging via bluetooth and advanced bolting options such as a smart bolt counter, torque check and the possibility to set torque + angle limits.

In addition, the MB-RAD series torque wrenches are standard equipped with torque + angle limits and automatic reaction arm release. MB-RAD can also control the torque when rotating counterclockwise.

Model	Square drive	Torque, Nm		RPM	Weight, kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
MB-RAD 300	1/2" or 3/4"	30	300	48	3,5	247	63	68	258
MB-RAD 700	3/4"	70	700	21	3,5	266	63	68	258
MB-RAD 1400	3/4"	140	1 400	10	3,7	266	63	68	258
MB-RAD 2000	1"	200	2 000	6	4,3	276	69	69	262
MB-RAD 4000	1"	400	4 000	3	6,0	301	81	81	268
MB-RAD 7000	1 1/2"	700	7 000	2	8,7	322	95	95	277

RAD Pneumatic series

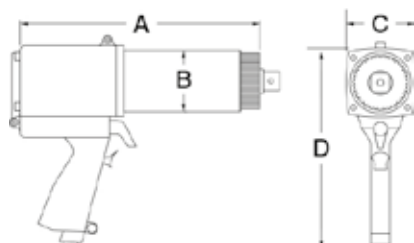


RAD 20 DX

RAD SINGLE SPEED

RAD GX-series include tool for heavy duty applications! Because of the best power-to-weight ratio, great accuracy ($\pm 4\%$) and excellent reliability it is the right choice for variety of industries. RAD pneumatic series has wide torque range up to 15 000 Nm, so one tool can be used in multiple applications. All RAD pneumatic tools include reaction arm, 3,6 meter hose and a FRL unit (pressure gauge, filter, regulator and oiler) with toolholder. Torque can be set steplessly with pressure regulator. RAD pneumatic torque wrenches are optionally available with ATEX certification. Noise level is only 80 dB.

Model	Square drive	Torque, Nm		RPM	Weight, Kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
100 SL	1/2"	35	100	275	2,1	161	60	69	222
275 SL	3/4"	50	275	90	2,2	167	60	69	222
475 SL	3/4"	70	475	65	2,4	167	60	69	222
10 GX	3/4"	150	950	30	3,4	228	63	69	228
14 GX	3/4"	275	1 350	20	3,6	228	63	69	228
20 DX	1"	400	2 000	9	3,9	203	69	69	205
34 GX	1"	700	3 400	9	6,1	246	77	83	241
40 DX	1"	1 200	4 000	8	6,6	230	86	83	264
46 GX	1"	1 400	4 600	12	9,0	325	86	93	264
70 DX	1 1/2"	2 000	7 000	8	10,7	285	92	93	264
80 DX	1 1/2"	2 700	8 000	7	12,5	348	101	101	277
110 DX	1 1/2"	3 400	10 800	4	13,8	431	114	114	279
150 DX	1 1/2"	5 400	15 000	3	19,1	353	127	127	281



RAD Pneumatic series

RAD TWO SPEED

- Controlled torque – accuracy of $\pm 4\%$ on target and repeatability of $\pm 2\%$

Technical characteristics are similar to RAD Single Speed, but Two Speed models are equipped with automatic gearbox design, eliminating the time consuming switch between high and low speed gear. The slower gear comes into use automatically when the need for power is increasing.

Model	Square drive	Torque, Nm		Speed, RPM	Weight, Kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
475 SL-2	3/4"	150	475	300	3,7	228	60	69	222
14 GX-2	3/4"	450	1 350	85	4,5	262	63	69	205
20 DX-2	1"	700	2 000	50	4,8	250	69	69	205
40 DX-2	1"	1 400	4 000	49	7,3	309	81	83	241



RAD Pneumatic tools include toolholder, pressure gauge, filter, regulator and oiler.



RAD 20 NDX-R Wheel Nut Bolting

RAD WHEEL NUT BOLTING

- Accuracy of $\pm 4\%$

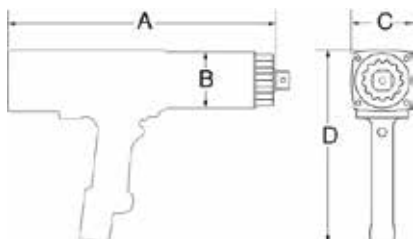
The RAD wheel nut bolting series were designed with one job in mind: wheel nut bolting where torque control is a must. RAD planetary gear torque wrenches are vibration free and have the accuracy to prevent accidentally under – and over tightening. The fixed nose extensions are ideal for reaching wheel nut studs that are recessed and where tool clearance is a problem.

Model	Square drive	Torque, Nm		Speed, RPM	Weight, Kg	Noise dB	Dimensions, mm			
		Min.	Max.				A	B	C	D
10 GX-R	3/4"	400	950	115	5,4	80	368	63	69	228
20 NDX-R	1"	400	2 000	10	7,3	80	542	69	70	204
2400 NGX-R	1"	700	2 450	10	12,4	85	546	76	83	241

RAD Electronic series

E-RAD BLU ELECTRONIC SERIES

E-RAD BLU series precision torque wrench tools are designed to provide a high accuracy of $\pm 3\%$ for high torque assembly applications. This advanced electronic pistol grip torque wrench combines the legendary RAD gearbox design and AC Servo motor technology to reduce bolting time up to 300 % as compared to conventional hydraulic wrenches. Build and designed for heavy duty industrial usage. Noise level only 75 dB.



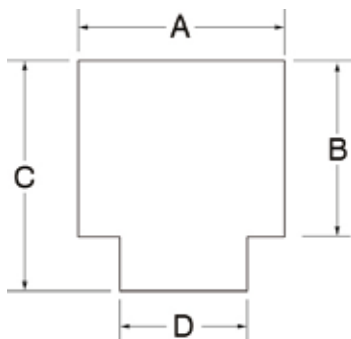
Model	Square drive	Torque, Nm		RPM	Weight, Kg	Dimensions, mm			
		Min.	Max.			A	B	C	D
E-RAD BLU 950	3/4"	135	950	30	5,4	340	65	78	245
E-RAD BLU 2000	1"	270	2 000	9	5,9	337	69	76	288
E-RAD BLU 3400	1"	340	3 400	10	8,1	380	70	78	254
E-RAD BLU 3400-90°	1"	340	3 400	11	8,3	210	76	78	245
E-RAD BLU 4000	1"	675	4 050	8	10,6	430	83	88	260
E-RAD BLU 4000	1 1/2"	675	4 500	8	10,6	430	83	88	260
E-RAD BLU 8000	1 1/2"	1 385	8 100	4	13,0	430	100	100	260
E-RAD BLU 10K	1 1/2"	2 034	10 000	2	15,0	430	105	105	265
E-RAD BLU 15K	1 1/2"	4 050	15 000	2	20,1	466	127	127	273

RAD Equipment

RAD SMART SOCKET™

RAD Smart Socket™ is a revolutionary socket for measuring torque directly on the bolt. Smart Socket™ is no larger than standard socket. The moment range is up to 16 200 Nm and accuracy of $\pm 1\%$. The socket can also be used for calibration.

- Measures and displays peak torque
- Built-in rechargeable li-ion battery
- Data logging – download logs (XLS, CSV, PDF)
- Preinstalled tablet and weatherproof storage case is included



Model	Square drive	Torque, Nm		Weight, Kg	Dimensions, mm			
		Min.	Max.		A	B	C	D
Smart Socket™ 29 mm	3/4"	200	2 034	1,4	72	-	-	90
Smart Socket™ 33 mm	3/4"	200	2 034	1,2	72	42	70	100
Smart Socket™ 36 mm	1"	200	2 034	1,2	72	54	65	100
Smart Socket™ 41 mm	1"	200	2 034	1,2	72	54	65	87
Smart Socket™ 46 mm	1"	200	2 034	1,2	72	54	65	87
Smart Socket™ 50 mm	1"	400	4 050	1,4	86	54	69	89
Smart Socket™ 55 mm	1"	400	4 050	1,5	86	54	69	89
Smart Socket™ 60 mm	1"	400	4 050	1,5	86	54	69	89
Smart Socket™ 65 mm	1 1/2"	1 100	10 800	4,0	115	87	90	121
Smart Socket™ 70 mm	1 1/2"	1 100	10 800	4,0	115	87	90	121
Smart Socket™ 80 mm	1 1/2"	1 100	10 800	4,0	115	87	90	121
Smart Socket™ 90 mm	1 1/2"	1 100	16 200	5,8	131	99	99	115
Smart Socket™ 100 mm	1 1/2"	1 100	16 200	7,2	146	99	99	120



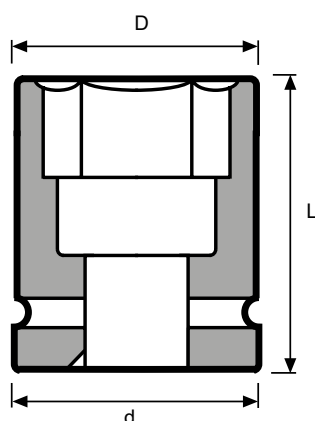


The Swedish company Momento is the only company in the world that has focused only on the manufacture of impact sockets and accessories intended for professional use. Silverline™ developed by Momento is the world's first impact socket coating that does not contain any heavy metals. The most environmentally friendly coating on the market is produced by using only natural oils, which helps the Silverline™ sockets' users to meet the environmental standards and goals required throughout the supply chain. Momento guarantees that there are no better impact sockets on the market in terms of durability, features or service life. All Momento products comply with ISO standards 691, 1174-2, 1711-2, 2725-2, and 2725-3.

Momento Impact Sockets

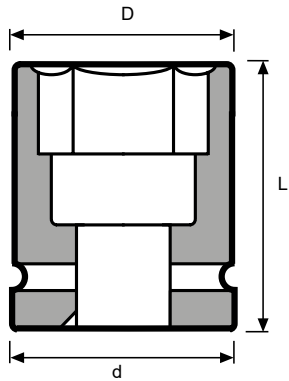
IMPACT SOCKETS

The classic 6-point socket for all types of use. The long socket makes it possible to reach the nut even if the screw protrudes above the nut.



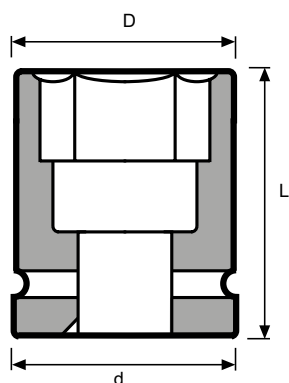
Square drive	AF	Part No.		D	d	L	
		Standard	Long			Standard	Long
1/4"	4 mm	M 0-4		7,6	13	25	
	5 mm	M 0-5		8,9	13	25	
	6 mm	M 0-6		10,1	13	25	
	7 mm	M 0-7		11,4	13	25	
	8 mm	M 0-8	M 0-8L	12,6	13	25	57
	9 mm	M 0-9		13,9	13	25	
3/8"	10 mm	M 0-10	M 0-10L	15,1	13	25	57
	13 mm	M 1-13	M 1-13L	19,8	22	33,5	57
	14 mm	M 1-14	M 1-14L	21	22	33,5	57
	15 mm	M 1-15	M 1-15L	22,5	22	33,5	57
1/2"	8 mm	M 4-8		14,5	25	38	
	10 mm	M 4-10	M 4-10L	17	25	38	82
	11 mm	M 4-11	M 4-11L	18,5	25	38	82
	12 mm	M 4-12	M 4-12L	19,7	25	38	82
	13 mm	M 4-13	M 4-13L	21	25	38	82
	14 mm	M 4-14	M 4-14L	22,5	25	38	82
	15 mm	M 4-15	M 4-15L	23,5	30	38	82
	16 mm	M 4-16	M 4-16L	24,5	30	38	82
	17 mm	M 4-17	M 4-17L	26	30	38	82
	18 mm	M 4-18	M 4-18L	27,5	30	38	82
	19 mm	M 4-19	M 4-19L	29	30	38	82
	20 mm	M 4-20	M 4-20L	30	30	38	82
	21 mm	M 4-21	M 4-21L	31	30	38	82
	22 mm	M 4-22	M 4-22L	32,5	30	38	82
	23 mm	M 4-23	M 4-23L	33,5	30	38	82
	24 mm	M 4-24	M 4-24L	35	30	40	82
	25 mm	M 4-25	M 4-25L	37	30	40	82
	26 mm	M 4-26	M 4-26L	38	30	40	82
	27 mm	M 4-27	M 4-27L	38,5	30	45	82
	28 mm	M 4-28	M 4-28L	40	30	45	82
	29 mm	M 4-29	M 4-29L	41	30	45	82
	30 mm	M 4-30	M 4-30L	42,5	30	50	82
	31 mm	M 4-31	M 4-31L	44	40	50	82
	32 mm	M 4-32	M 4-32L	45	40	50	82

Momento Impact Sockets



Square drive	AF	Part No.		D	d	L	
		Standard	Long			Standard	Long
3/4"	14 mm	M 2-14		26	44	50	
	15 mm	M 2-15		26	44	50	
	16 mm	M 2-16		27	44	50	
	17 mm	M 2-17	M 2-17L	30	44	50	100
	18 mm	M 2-18	M 2-18L	31	44	50	100
	19 mm	M 2-19	M 2-19L	32	44	50	100
	20 mm	M 2-20	M 2-20L	33	44	50	100
	21 mm	M 2-21	M 2-21L	35	44	50	100
	22 mm	M 2-22	M 2-22L	35	44	50	100
	23 mm	M 2-23	M 2-23L	38	44	50	100
	24 mm	M 2-24	M 2-24L	38.5	44	50	100
	25 mm	M 2-25	M 2-25L	39	44	50	100
	26 mm	M 2-26	M 2-26L	41	44	54	100
	27 mm	M 2-27	M 2-27L	42	44	54	100
	28 mm	M 2-28	M 2-28L	44	44	54	100
	29 mm	M 2-29	M 2-29L	44	44	54	100
	30 mm	M 2-30	M 2-30L	46	44	54	100
	31 mm	M 2-31	M 2-31L	47	44	54	100
	32 mm	M 2-32	M 2-32L	48.5	44	56	100
	33 mm	M 2-33	M 2-33L	51	44	56	100
	34 mm	M 2-34	M 2-34L	52	44	56	100
	35 mm	M 2-35	M 2-35L	53	44	56	100
	36 mm	M 2-36	M 2-36L	54	44	56	100
	37 mm	M 2-37	M 2-37L	56	44	58	100
	38 mm	M 2-38	M 2-38L	57	44	58	100
	39 mm	M 2-39		58	44	58	
	40 mm	M 2-40	M 2-40L	59	44	58	100
	41 mm	M 2-41	M 2-41L	61	44	63	100
	42 mm	M 2-42	M 2-42L	62	44	63	100
	43 mm	M 2-43	M 2-43L	64	44	63	100
	44 mm	M 2-44	M 2-44L	65	44	63	100
	45 mm	M 2-45	M 2-45L	66	44	63	100
	46 mm	M 2-46	M 2-46L	67	44	63	100
	47 mm	M 2-47	M 2-47L	68.5	44	70	100
	48 mm	M 2-48	M 2-48L	69	44	70	100
	49 mm	M 2-49		70	44	70	
	50 mm	M 2-50	M 2-50L	70	44	70	100
	51 mm	M 2-51	M 2-51L	71	44	70	100
	55 mm	M 2-55	M 2-55L	76	44	70	100
1"	21 mm	M 9-21	M 9-21L	36	54	59	100
	22 mm	M 9-22	M 9-22L	37	54	59	100
	23 mm	M 9-23	M 9-23L	38	54	59	100
	24 mm		M 9-24L	39	54		100
	26 mm	M 9-26	M 9-26L	43	54	59	100
	27 mm	M 9-27	M 9-27L	45	54	100	100
	28 mm	M 9-28	M 9-28L	47	54	61	100
	29 mm	M 9-29	M 9-29L	47	54	61	100
	30 mm	M 9-30	M 9-30L	51	54	100	100
	32 mm	M 9-32	M 9-32L	52	54	61	100
	33 mm	M 9-33	M 9-33L	54	54	61	100
	34 mm	M 9-34	M 9-34L	54	54	61	100
	35 mm	M 9-35	M 9-35L	57	54	100	100
	36 mm	M 9-36	M 9-36L	57	54	65	100
	37 mm	M 9-37	M 9-37L	58	54	65	100

Momento Impact Sockets



Square drive	AF	Part No.		D	d	L	
		Standard	Long			Standard	Long
1"	38 mm	M 9-38	M 9-38L	59	54	100	100
	39 mm		M 9-39L	59	54		100
	41 mm	M 9-41	M 9-41L	63	54	70	100
	42 mm	M 9-42	M 9-42L	64	54	70	100
	43 mm	M 9-43	M 9-43L	64	54	70	100
	46 mm	M 9-46	M 9-46L	69	54	75	115
	47 mm	M 9-47	M 9-47L	71	54	75	115
	48 mm	M 9-48	M 9-48L	72	54	75	115
	50 mm	M 9-50	M 9-50L	75	54	80	125
	52 mm	M 9-52	M 9-52L	78	54	80	125
	56 mm	M 9-56	M 9-56L	82	62	83	125
	60 mm	M 9-60	M 9-60L	87	62	83	125
	65 mm	M 9-65	M 9-65L	94	62	86	135
	70 mm	M 9-70		100	62	135	
	75 mm	M 9-75		107	76	86	
	80 mm	M 9-80		113	76	90	
	85 mm	M 9-85		117	76	90	
	90 mm	M 9-90		124	76	100	
	95 mm	M 9-95		129	76	140	
	100 mm	M 9-100		136	76	100	
1 1/2"	38 mm	M 5-38		65	84	84	
	41 mm	M 5-41		70	84	84	
	42 mm	M 5-42		71	84	84	
	43 mm	M 5-43		73	84	84	
	46 mm	M 5-46		76	84	87	
	47 mm	M 5-47		78	84	87	
	48 mm	M 5-48		79	84	87	
	50 mm	M 5-50		81	84	90	
	55 mm	M 5-55		86	86	90	
	60 mm	M 5-60		94	86	95	
	65 mm	M 5-65		99	86	100	
	70 mm	M 5-70		105	86	105	
	80 mm	M 5-80		119	86	110	
	85 mm	M 5-85		125	86	120	
	90 mm	M 5-90		131	86	120	
	95 mm	M 5-95		141	102	130	
	100 mm	M 5-100		146	102	130	



Adapter



Universal joint



Extension

	Part No.	Description
3/4" - 1/2"	M PA24	Adapter 3/4" - 1/2"
1/2" - 3/8"	M PA41	Adapter 1/2" - 3/8"
1/2" - 5/8"	M PA48	Adapter 1/2" - 5/8"
1-1/2" - 1-1/4"	M PA53	Adapter 1-1/2" - 1-1/4"
1-1/2" - 1"	M PA59	Adapter 1-1/2" - 1"
1/2" - 1/2"	M UK44S	Universal joint 1/2" - 1/2"
3/8" - 3/8"	M UK11S	Universal joint 3/8" - 3/8"
3/8" - 3/8" L=51MM	M EB11-2	Extension 3/8", 51mm
3/8" - 3/8" L=76MM	M EB11-3	Extension 3/8", 76mm
3/8" - 3/8" L=102MM	M EB11-4	Extension 3/8", 102mm
1/2" - 1/2" L=51MM	M EB44-2	Extension 1/2", 51mm
1/2" - 1/2" L=76MM	M EB44-3	Extension 1/2", 76mm
1/2" - 1/2" L=102MM	M EB44-4	Extension 1/2", 102mm

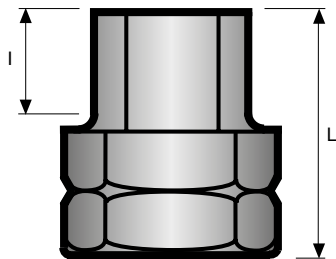
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INSERT BITS

Changeable insert bits are from 5-50mm hexagon and corresponding inch sizes. Bits are locked in the holders with a pointed screw.



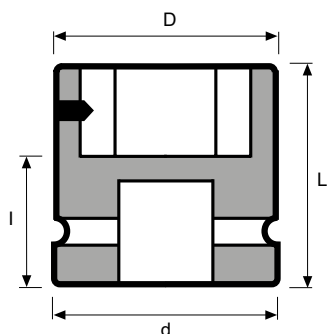
Insert bit with holder



Square drive	Male hexagon	Part No.		L		I
		Standard	Long	Standard	Long	
7/16"	5 mm	M 7/16-5		28		6
	6 mm	M 7/16-6		28		7
	8 mm	M 7/16-8	M 7/16-8L	28	100	8
	10 mm	M 7/16-10	M 7/16-10L	28	100	10
	12 mm	M 7/16-12		28		13
	14 mm	M 7/16-14		28		13
	17 mm	M 7/16-17		28		13
7/8"	10 mm	M 7/8-10	M 7/8-10L	44	100	7
	12 mm	M 7/8-12	M 7/8-12L	44	100	10
	14 mm	M 7/8-14	M 7/8-14L	44	100	12
	16 mm	M 7/8-16	M 7/8-16L	44	100	13
	17 mm	M 7/8-17	M 7/8-17L	44	100	13
	18 mm	M 7/8-18	M 7/8-18L	44	100	16
	19 mm	M 7/8-19	M 7/8-19L	44	100	16
	20 mm	M 7/8-20	M 7/8-20L	44	100	16
	22 mm	M 7/8-22	M 7/8-22L	44	100	16
	24 mm	M 7/8-24	M 7/8-24L	44	100	19
	19 mm	M 1 1/4-19		60		18
1 1/4"	22 mm	M 1 1/4-22		60		20
	24 mm	M 1 1/4-24		60		22
	27 mm	M 1 1/4-27		60		22
	30 mm	M 1 1/4-30		60		26
	32 mm	M 1 1/4-32		60		28
	33 mm	M 1 1/4-33		60		28
	36 mm	M 1 1/4-36		65		33
1 3/4"	36 mm	M 1 3/4-36		80		35
	41 mm	M 1 3/4-41		80		35
	46 mm	M 1 3/4-46		85		40
	50 mm	M 1 3/4-50		90		45

HOLDERS

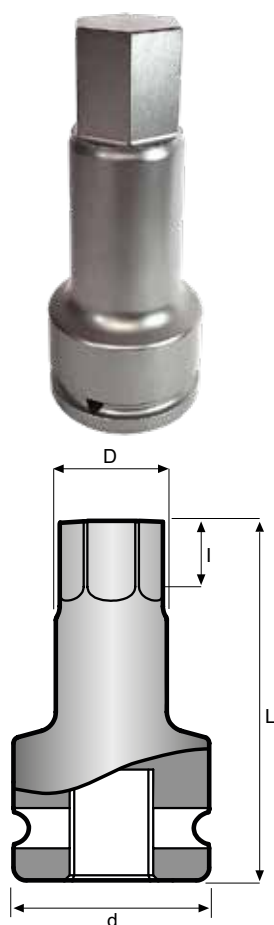
Bits are locked in the holders with a pointed screw.



Square drive	Size	Part No.	D	d	L	I
3/8"	1/4	M H1-1/4	15	19	34	20,5
3/8"	7/16	M H1-7/16	22,6	22,6	34	22
1/2"	7/16	M H4-7/16	22,6	25	38	26
1/2"	7/8	M H4-7/8	38	30	50	30
5/8"	7/8	M H8-7/8	38	35	55	35
3/4"	7/8	M H2-7/8	44	44	55	35
1"	7/8	M H9-7/8	48	54	60	40
1"	1 1/4	M H9-1 1/4	63	54	75	45
1-1/2"	1 1/4	M H5-1 1/4	68	84	88	58
1-1/2"	1 3/4	M H5-1 3/4	84	84	110	70

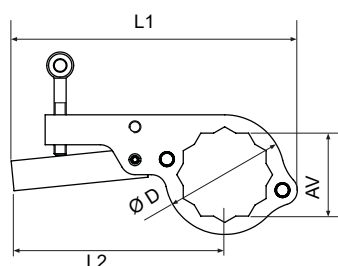
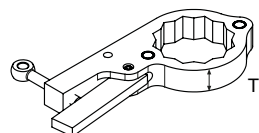
Momento Impact Sockets

HEX KEY SOCKETS



Square drive	Male hexagon	Part No.	D	d	L	I
3/4"	14 mm	M 2-U6K14	17	44	62	10
	17 mm	M 2-U6K17	21	44	62	12
	19 mm	M 2-U6K19	23	44	62	14
	22 mm	M 2-U6K22	26	44	62	18
	24 mm	M 2-U6K24	29	54	62	20
	27 mm	M 2-U6K27	32	54	62	22
	32 mm	M 2-U6K32	38	54	62	26
1"	17 mm	M 9-U6K17	21	54	75	12
	19 mm	M 9-U6K19	23	54	75	14
	22 mm	M 9-U6K22	26	54	75	18
	24 mm	M 9-U6K24	29	54	75	20
	27 mm	M 9-U6K27	32	54	75	22
	30 mm	M 9-U6K30	36	62	75	24
	32 mm	M 9-U6K32	38	62	75	26
1 1/2"	36 mm	M 9-U6K36	42	62	75	30
	22 mm	M 5-U6K22	26	54	105	18
	24 mm	M 5-U6K24	29	54	105	20
	27 mm	M 5-U6K27	35	54	105	22
	32 mm	M 5-U6K32	38	54	105	26
	36 mm	M 5-U6K36	42	54	105	30
	41 mm	M 5-U6K41	48	62	105	36
	46 mm	M 5-U6K46	54	62	105	40
	55 mm	M 5-U6K55	64	62	105	46

BACK UP WRENCHES



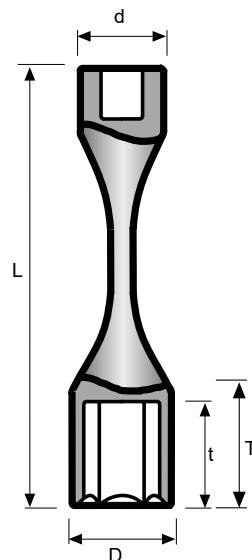
AF	Part No.	D	L1	L2	T
30 mm	M BUW30	68	180	138	20
32 mm	M BUW32	48	136	105	15
36 mm	M BUW36	54	144	110	15
41 mm	M BUW41	62	152	115	15
46 mm	M BUW46	68	180	138	20
50 mm	M BUW50	75	187	141	20
55 mm	M BUW55	80	191	143	20
60 mm	M BUW60	86	199	148	20
65 mm	M BUW65	96	219	163	25
70 mm	M BUW70	102	245	184	2
75 mm	M BUW75	110	255	190	2
80 mm	M BUW80	118	261	192	2
85 mm	M BUW85	124	288	214	30
90 mm	M BUW90	130	312	235	30
95 mm	M BUW95	140	320	235	3
100 mm	M BUW100	150	360	270	40
105 mm	M BUW105	155	365	273	40
110 mm	M BUW110	162	380	285	40
115 mm	M BUW115	170	388	289	40
120 mm	M BUW120	177	395	292	40

Momento Impact Sockets

TORQUE SOCKETS

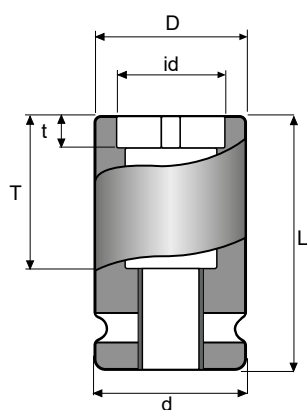
Torque sockets are designed for tightening of vehicle wheels with impact wrenches. The long and narrow waist dampens excess power of the wrench.

Square drive	AF	Part No.	Torque	D	d	L	t	T
1/2"	17	M 4-17-75NMC	75 Nm	26,5	27	220	25	
	17	M 4-17-95NMC	95 Nm	26,5	27	220	25	
	17	M 4-17-110NMC	110 Nm	26,5	27	220	25	
	17	M 4-17-120NMC	120 Nm	26,5	27	220	25	
	19	M 4-19-75NMC	75 Nm	29	27	220	25	
	19	M 4-19-90NMC	90 Nm	29	27	220	25	
	19	M 4-19-110NMC	110 Nm	29,5	27	220	25	
	19	M 4-19-120NMC	120 Nm	29,5	27	220	25	
	19	M 4-19-140NMC	140 Nm	31	27	220	25	
	19	M 4-19-170NMC	170 Nm	31	27	220	25	
	21	M 4-21-80NMC	80 Nm	31	27	220	25	
	21	M 4-21-110NMC	110 Nm	31	27	220	25	
3/4"	24	M 2-24-300NM	300 Nm	38,5	44	305	30	
	27	M 2-27-400NM	400 Nm	42	44	305	30	
	30	M 2-30-550NM	550 Nm	46	44	305	30	
	32	M 2-32-600NM	600 Nm	49	44	305	30	
	33	M 2-33-650NM	650 Nm	51	44	305	30	
1"	24	M 9-24-300NM	300 Nm	40	54	305	27	48
	27	M 9-27-350NM	350 Nm	46	54	305	27	48
	27	M 9-27-400NM	400 Nm	46	54	305	27	48
	30	M 9-30-450NM	450 Nm	49	54	305	27	48
	30	M 9-30-550NM	550 Nm	49	54	305	27	48
	32	M 9-32-500NM	500 Nm	53	54	305	27	48
	32	M 9-32-600NM	600 Nm	53	54	305	27	48
	32	M 9-32-650NM	650 Nm	53	54	305	27	48
	32	M 9-32-700NM	700 Nm	53	54	305	27	48
	33	M 9-33-500NM	500 Nm	54	54	305	27	48
	33	M 9-33-600NM	600 Nm	54	54	305	27	48
	33	M 9-33-650NM	650 Nm	54	54	305	27	48
	33	M 9-33-700NM	700 Nm	54	54	305	27	48
1 5/16"	1 5/16	M 9-1 5/16-650NM	650 Nm	54	54	305	27	48



Momento Impact Sockets

SOCKETS FOR AXIAL NUTS



Square drive	Ball bearing nut	Part No.	D	d	L	t	T
3/8"	KM0	M 1-KM0	22	22	57	5	44
	KM1	M 1-KM1	28	22	57	5	44
	KM2	M 4-KM2	33	30	82	6	65
1/2"	KM3	M 4-KM3	36	30	82	6	65
	KM4	M 4-KM4	38	30	82	9	56
	KM5	M 4-KM5	46	30	82	9	56
	KM6	M 4-KM6	53	30	82	9	56
	KM7	M 4-KM7	60	30	82	9	56
	KM8	M 4-KM8	68	30	82	9	56
3/4"	KM9	M 2-KM9	74	44	90	14	65
	KM10	M 2-KM10	79	44	90	14	65
	KM11	M 2-KM11	84	44	90	14	65
	KM12	M 2-KM12	89	44	90	14	65
	KM13	M 2-KM13	94	44	90	14	65
1"	KM14	M 9-KM14	103	76	110	12	75
	KM15	M 9-KM15	109	76	110	13	75
	KM16	M 9-KM16	116	76	110	15	75
	KM17	M 9-KM17	121	76	110	16	75
	KM18	M 9-KM18	131	76	110	16	75
	KM19	M 9-KM19	137	76	110	17	75
	KM20	M 9-KM20	143	76	110	18	72
	KM21	M 9-KM21	153	76	110	18	72
	KM22	M 9-KM22	158	76	110	18	72
	KM23	M 9-KM23	165	76	110	18	72
3/8"	GU0	M 1-GU0	22	22	57	8	44
	GU1	M 1-GU1	26	22	57	8	44
	GU9	M 2-GU9	73	44	90	12	65
3/4"	GU10	M 2-GU10	79	44	90	14	65
	GU11	M 2-GU11	86	44	90	14	65
	GU12	M 2-GU12	91	44	90	14	62
	GU13	M 2-GU13	96	44	90	14	62
1"	GU14	M 9-GU14	103	62	110	14	75
	GU15	M 9-GU15	109	62	110	15	75
	GU16	M 9-GU16	116	62	110	15	75
	GU17	M 9-GU17	121	62	110	16	75
	GU18	M 9-GU18	131	62	110	16	75
	GU19	M 9-GU19	137	62	110	16	72
	GU20	M 9-GU20	143	62	110	18	70



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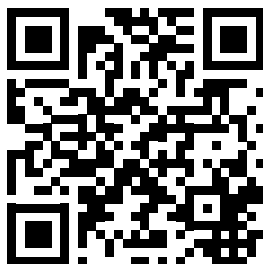
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