



DEPRAG

Industrial Power Tools

DEPRAG
INDUSTRIAL



Screwdriving technology



Automation



Air motors



Air tools

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- Since 1998, DEPRAG CZ a.s. in Lázně Bělohrad is a daughter company of DEPRAG SCHULZ GMBH u. CO. Amberg, a worldwide leader in the production of air-operated tools, screwdriving- and assembly equipment, as well as automation.

■ **Our Products - Tools and solutions from a specialist**



We provide superior technology in all product areas. Our screwdriving technology solutions benefit from the extreme torque accuracy of our shut-off clutch and the renowned robust and reliable design of all our screwdrivers. Screwdriving perfection is our guiding principle and we command undisputed market leadership in many applications.



Our experience in assembly technology has enabled us to develop first-class solutions. Countless DEPRAG products, such as measuring instruments, controllers and in particular the successful feeding technology, are utilised in our customers' applications. In conjunction with the long-standing experience of our project engineers, we produce assembly machines for a wide variety of client requirements.



Today as ever, air motors are of utmost importance as a drive element for machines and equipment. As market leader in this field we provide an extremely versatile programme for the most varied of applications from the food industry to medical technology.



Professional industrial tools such as grinding and polishing machines, drills, hammers, pliers and sheet metal tools are the roots of our company. High performance, reliability and outstanding ergonomic design are the distinguishing characteristics of DEPRAG INDUSTRIAL tools.



Production and distribution of a full line of collets, collet chucks, clamping tools and spindles.



- Since March 12, 2004, DEPRAG CZ is ISO 9001 certified.
- We utilize the most modern production machinery and continuously expand the education of our employees, which results in improved product quality.
- Our main objective is to offer solutions to our customers.
- Our customers can expect outstanding product quality, precision and longevity.

DEPRAG CZ a.s. is an innovative manufacturer of professional industrial tools such as grinders, drills, tappers, hammers, needle scalers, pliers, sheet metal tools, ATEX-certified tools for use in potentially explosive environments and other air tools.

As an industrial user you require excellence in the air tools you use. DEPRAG CZ a.s. offers classic air tools under the brand name DEPRAG INDUSTRIAL for almost any application case. Some of the applications can be found for example in the mining, oil- and gas industry, foundries, automotive industry, machine building, steel industry, ship building or in the aviation industry.

DEPRAG CZ a.s. carries specially adapted tools that perfectly fit your particular application and that are part of our standard assortment. Please contact one of our product specialists if you require help in finding a suitable tool.

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DIE GRINDERS - Inline Design, Power Output 90 - 300 W (.12 - .4 HP)

Die grinders - inline design
 - for the grinding with grinding tips
 - for the milling with grinding inserts (carbide cutters)

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Max. Ø of grinding tip mm (in)	Max. Ø of grinding insert mm (in)	Collet - clamping range Collet - standard equipment [optional accessories] mm
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90 W (.12 HP)



Top Speed Grinder
GDS 009-1000BY

Grinding and milling at actual speed of 100.000 rpm. This ergonomic miniature grinder allows easy and optimum access on hard-to-reach areas. The high run-out accuracy of the collets assure a high durability, an optimum material removal, and a high surface quality during grinding or milling. This grinder operates at an extreme low vibration. Oilfree operation without loss of power is possible.

GDS 009-1000BY	3146441E	0,09 (.12)	100 000	4 (.16)	0,3 (.66)	5 (.20)	3 (.12)	3 [1 - 3,25]
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110 - 150 W (.15 - .2 HP)



GDS 011-550BY

Grinding, milling, fabricating of casted parts or when used for precision operations when polishing and deburring of welding seams, the use of these small and light-weight grinders simplify any fabricating job. Vane motor.

GDS 011-550BY	831050 A	0,11 (.15)	55 000	5 (.20)	0,1 (.22)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS 013-720BX	830266 B	0,13 (.17)	72 000	5 (.20)	0,3 (.66)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS 013-720BY	830266 A	0,13 (.17)	72 000	5 (.20)	0,3 (.66)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS 015-470SX	3147401E	0,15 (.20)	47 000	6 (.24)	0,3 (.66)	16 (.63)	6 (.24)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 015-470SY	3147401D	0,15 (.20)	47 000	6 (.24)	0,3 (.66)	16 (.63)	6 (.24)	6 [3; 4; 5; 6; 1/8"; 1/4"]

250 W (.34 HP)



GDS 025-045BX

The ergonomic design of our powerful grinder allows the low-fatigue operation in industrial areas. These tools are equipped with gears that allow the perfect operanal speed for excellent grinding results. Especially when used with carbide cutters or with wire brushes, this tool performs exceptionally well. Vane motor.

GDS 025-045BX	3150561A	0,25 (.34)	4 500	6 (.24)	0,9 (1.98)	20 (.79)	10 (.39)	6 [8; 9; 1/4"; 3/16"; 5/16"]
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GDST 025-700BY

Our turbine grinders operate oilfree. The low weight assures a fatigue-free operation. The inserted grinding tip or carbide cutter can be used with this pneumatic tool by using its full power and speed. These grinders are especially suited for the precision grinding and milling in the tool-, die-, and mold making- or in small industrial areas. An integrated, automatic brake (Model GDST 025-700BY) eliminates any trailing of the grinding spindle. The type GDST 025-700BYO ist without brake. Integrated speed regulator. Lower levels of vibration- and noise emissions compared to standard air-grinders. Your advantage: Extreme low air consumption.

GDST 025-700BY	6060839A	0,25 (.34)	70 000	6 (.24)	0,3 (.66)	13 (.51)	6 (.24)	3; 6 [4; 5; 1/8"; 3/16"; 1/4"]
GDST 025-700BYO	6060857A	0,25 (.34)	70 000	6 (.24)	0,3 (.66)	13 (.51)	6 (.24)	3; 6 [4; 5; 1/8"; 3/16"; 1/4"]

270 W (.36 HP)

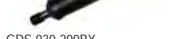


GDS 027-320BY

Small grinders for the precision grinding and milling. Ergonomical, low-weight and suitable for numerous application cases - in the tool-, die-, and mold making- or in small industrial areas. Air-exhaust located on the rear and/or partial frontal exhaust. Vane motor.

GDS 027-320BX	3148457D	0,27 (.36)	32 000	6 (.24)	0,4 (.88)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 027-320BY	3148457C	0,27 (.36)	32 000	6 (.24)	0,4 (.88)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 027-320BXF	3148457G	0,27 (.36)	32 000	6 (.24)	0,6 (1.32)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 027-320BYF	3148457F	0,27 (.36)	32 000	6 (.24)	0,5 (1.10)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 027-320SX	3148457B	0,27 (.36)	32 000	6 (.24)	0,3 (.66)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS 027-320SY	3148457A	0,27 (.36)	32 000	6 (.24)	0,3 (.66)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]

300 W (.4 HP)



GDS 030-200BX

For the manual, peripheral- and transverse grinding with grinding tips and when fabricating with carbide cutters. Especially well-suited for the grinding in cavities and hard-to-reach casted areas, these grinders are equipped with a reduced shank (execution V). The centrifugal speed-regulator reduces a speed overload and assures an economical operation (Models GDS 030-120/150/200/230-BX/BY, VX/VY). Vane motor.

GDS 030-120BX	6060854A	0,3 (.4)	12 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-120BY	6060853A	0,3 (.4)	12 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-150BX	6060850A	0,3 (.4)	15 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-150BY	6060849A	0,3 (.4)	15 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-200BX	6060560A	0,3 (.4)	20 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-200BY	6060559A	0,3 (.4)	20 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-230BX	6060846A	0,3 (.4)	23 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-230BY	6060845A	0,3 (.4)	23 000	8 (.31)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-300BX	830495 A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-300BY	830495 B	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-300BXL	830495 E	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-450BX	830496 A	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-450BY	830496 B	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-300SX	6060516A	0,3 (.4)	30 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-300SY	830495 D	0,3 (.4)	30 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-450SX	830496 C	0,3 (.4)	45 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-450SY	830496 D	0,3 (.4)	45 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-120VX	6060856A	0,3 (.4)	12 000	8 (.31)	0,3 (.66)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-120VY	6060855A	0,3 (.4)	12 000	8 (.31)	0,3 (.66)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-150VX	6060852A	0,3 (.4)	15 000	8 (.31)	0,3 (.66)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS 030-150VY	6060851A	0,3 (.4)	15 000	8 (.31)	0,3 (.66)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]



DIE GRINDERS - Inline Design, Power Output 300 - 500 W (.4 - .67 HP)

Die grinders - inline design
- for the grinding with grinding tips
- for the milling with grinding inserts (carbide cutters)

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. Ø of grinding tip	Max. Ø of grinding insert	Collet - clamping range Collet - standard equipment [optional accessories]
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	mm
GDS 030-200VX	6060562A	0,3 (.4)	20 000	8 (.31)	0,6 (1.32)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-200VY	6060561A	0,3 (.4)	20 000	8 (.31)	0,6 (1.32)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-230VX	6060848A	0,3 (.4)	23 000	8 (.31)	0,6 (1.32)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-230VY	6060847A	0,3 (.4)	23 000	8 (.31)	0,6 (1.32)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-300VX	830495 C	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-300VY	828928 E	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-450VX	6060518A	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-450VY	6060517A	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]

If you require a grinder that needs to be clamped into a stand, vice or holder, then we can offer these stationary grinders. The stationary grinders is well-suited for the grinding or fabricating jobs using carbide cutters e.g. in the tool making. Start with twist valve or remote valve. Vane motor.

GDS 030-300GY	6060926A	0,3 (.4)	30 000	6 (.24)	1,0 (2.2)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-300GV	6060927A	0,3 (.4)	30 000	6 (.24)	0,9 (1.98)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-450GY	6060923A	0,3 (.4)	45 000	6 (.24)	1,0 (2.2)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-450GV	6060924A	0,3 (.4)	45 000	6 (.24)	0,9 (1.98)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]

These grinders are best used in hard to access areas, such as the automotive industry. Vane motor.

GDS 030-300QX	6060906A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	10 (.39)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-300QY	6060904A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	10 (.39)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]

350 W (.47 HP)

The ergonomic design of our powerful grinder allows the low-fatigue operation in industrial areas. These tools are equipped with gears that allow the perfect operating speed for excellent grinding results. Especially when used with carbide cutters or with wire brushes, this tool performs exceptionally well. Vane motor.

GDS 035-023BX	3150571B	0,35 (.47)	2 300	10 (.39)	1,0 (2.2)	20 (.79)	10 (.39)	6 [8; 9; 1/4"; 3/16", 5/16"]
GDS 035-045BX	3150571A	0,35 (.47)	4 500	10 (.39)	1,0 (2.2)	20 (.79)	10 (.39)	6 [8; 9; 1/4"; 3/16", 5/16"]

500 W (.67 HP)

For the optimum grinding with grinding tips or for the fabricating with carbide cutters. This tool series features a small grip-diameter, a collet with connector nut for an improved clamping force. Our grinders are equipped with an integrated speed-regulator, that holds the speed of the tool constant, even when tool is operated at full load. Cold-isolated housing. Vane motor.

GDS 050-120BXI	6061007A	0,5 (.67)	12 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120BYI	6061015A	0,5 (.67)	12 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200BXI	6060991A	0,5 (.67)	20 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200BYI	6061014A	0,5 (.67)	20 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250BXI	6060990A	0,5 (.67)	25 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250BYI	6061013A	0,5 (.67)	25 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300BXI	6060948A	0,5 (.67)	30 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300BYI	6061012A	0,5 (.67)	30 000	10 (.39)	0,9 (1.98)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120SXI	6061010A	0,5 (.67)	12 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120SYI	6061027A	0,5 (.67)	12 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120SXL	6061010B	0,5 (.67)	12 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200SXI	6061006A	0,5 (.67)	20 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200SYI	6061026A	0,5 (.67)	20 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250SXI	6061005A	0,5 (.67)	25 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250SYI	6061025A	0,5 (.67)	25 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300SXI	6060996A	0,5 (.67)	30 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300SYI	6061024A	0,5 (.67)	30 000	10 (.39)	0,7 (1.54)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200VXI	6061002A	0,5 (.67)	20 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200VYI	6061018A	0,5 (.67)	20 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250VXI	6061001A	0,5 (.67)	25 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-250VYI	6061017A	0,5 (.67)	25 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300VXI	6060997A	0,5 (.67)	30 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300VYI	6061016A	0,5 (.67)	30 000	10 (.39)	0,8 (1.76)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120WXI	6061009A	0,5 (.67)	12 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-120WYI	6061023A	0,5 (.67)	12 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200WXI	6011004A	0,5 (.67)	20 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200WYI	6061022A	0,5 (.67)	20 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300WXI	6060998A	0,5 (.67)	30 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-300WYI	6061020A	0,5 (.67)	30 000	10 (.39)	1,0 (2.2)	32 (1.26)	16 (.63)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]

This left-rotating grinder fulfills all requirements for an optimum fabrication. With integrated speed regulator. Vane motor.

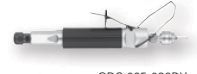
PB 35CL-45YK	6060476A	0,5 (.67)	22 000	10 (.39)	1,0 (2.2)	35 (1.38)	12 (.47)	6 [8; 9; 1/4"; 3/16", 5/16"]
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GDS 030-450GY



GDS 030-300QX



GDS 035-023BX



GDS 050-300BYI



GDS 050-200SXI



GDS 050-300VXI



GDS 050-200WYI



PB 35CL-45YK

DIE GRINDERS - Inline Design, Power Output 500 - 700 W (.67 - .94 HP)

Die grinders - inline design
 - for the grindig with grinding tips
 - for the milling with grinding inserts (carbide cutters)



GDST 050-550BXO



GDST 050-550SYO



GDST 050-550VXO



GDS 070-153BYI



GDS 070-190SXI



GDS 070-190VXI



GDS 070-153W2XI

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. Ø of grinding tip	Max. Ø of grinding insert	Collet - clamping range
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	Collet - standard equipment [optional accessories]

Our turbine grinders operate oilfree and are therefore practically maintenance free. Optimum fabrication results. Due to the high speed, these tools are especially well-suited to the use with carbide cutters. The low weight assures a fatigue-free effort. Includes a speed regulator. Lower levels of vibration- and noise emissions compared to standard air-grinders. Your advantage: Extreme low air consumption.

GDST 050-550BXO	6061040A	0,5 (.67)	55 000	10 (.39)	0,8 (1.77)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550BYO	6061041A	0,5 (.67)	55 000	10 (.39)	0,8 (1.77)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550BXFO	6061112A	0,5 (.67)	55 000	10 (.39)	0,8 (1.77)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550BYFO	6061113A	0,5 (.67)	55 000	10 (.39)	0,8 (1.77)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550SXO	6061114A	0,5 (.67)	55 000	10 (.39)	0,5 (1.10)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550SYO	6061115A	0,5 (.67)	55 000	10 (.39)	0,5 (1.10)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550SXFO	6061116A	0,5 (.67)	55 000	10 (.39)	0,5 (1.10)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550SYFO	6061117A	0,5 (.67)	55 000	10 (.39)	0,5 (1.10)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550VXO	6061110A	0,5 (.67)	55 000	10 (.39)	0,7 (1.54)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDST 050-550VYO	6061111A	0,5 (.67)	55 000	10 (.39)	0,7 (1.54)	16 (.63)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]

700 W (.94 HP)

Our grinders fulfill all requirements for an optimum fabrication. Our product line includes grinders that are especially designed for heavy-duty operations or with reduced speed. Our grinders are equipped with a integrated speed regulator, that holds the speed of the tool constant, even when tool is operated at full load. Extensive varieties that are suitable for all industrial areas (foundries, automotive industry, etc.). The grinders that feature an extended spindle, are ideal for the cleaning of pipes and the grinding in hard-to reach areas. Cold-insolated housing. Vane motor.

GDS 070-120BXI	6060606A	0,7 (.94)	12 000	12 (.47)	1,5 (3.31)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-120BYI	6060905A	0,7 (.94)	12 000	12 (.47)	1,7 (3.75)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153BXI	6060573A	0,7 (.94)	15 300	10 (.39)	1,5 (3.31)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153BYI	6060888A	0,7 (.94)	15 300	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153BXFI	6060588A	0,7 (.94)	15 300	10 (.39)	1,6 (3.53)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153BYFI	6060887A	0,7 (.94)	15 300	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190BXI	6060587A	0,7 (.94)	19 000	10 (.39)	1,5 (3.31)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190BYI	6060885A	0,7 (.94)	19 000	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190BXFI	6060589A	0,7 (.94)	19 000	10 (.39)	1,6 (3.53)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190BYFI	6060889A	0,7 (.94)	19 000	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190BXIH	6060989A	0,7 (.94)	19 000	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230BXI	6060566A	0,7 (.94)	23 000	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230BYI	6060886A	0,7 (.94)	23 000	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230BXFI	6060590A	0,7 (.94)	23 000	10 (.39)	1,6 (3.53)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230BYFI	6060890A	0,7 (.94)	23 000	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-070SXI	6060608A	0,7 (.94)	7 000	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153SXI	6060574A	0,7 (.94)	15 300	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153SYI	6060881A	0,7 (.94)	15 300	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190SXI	6060599A	0,7 (.94)	19 000	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190SYI	6060882A	0,7 (.94)	19 000	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190SXIH	6060983A	0,7 (.94)	19 000	10 (.39)	0,9 (1.98)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230SXI	6060569A	0,7 (.94)	23 000	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230SYI	6060883A	0,7 (.94)	23 000	10 (.39)	1,4 (3.09)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153VXI	6060595A	0,7 (.94)	15 300	10 (.39)	1,5 (3.31)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153VYI	6060884A	0,7 (.94)	15 300	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190VXI	6060596A	0,7 (.94)	19 000	10 (.39)	1,5 (3.31)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190VYI	6060879A	0,7 (.94)	19 000	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-190VXIH	6060984A	0,7 (.94)	19 000	10 (.39)	1,2 (2.65)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230VXI	6060597A	0,7 (.94)	23 000	10 (.39)	1,5 (3.31)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-230VYI	6060880A	0,7 (.94)	23 000	10 (.39)	1,7 (3.75)	35 (1.38)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153WXI	6060581A	0,7 (.94)	15 300	10 (.39)	2,1 (4.63)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153WYI	6060891A	0,7 (.94)	15 300	10 (.39)	2,3 (5.07)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W1XI	6060582A	0,7 (.94)	15 300	10 (.39)	2,6 (5.73)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W1YI	6060892A	0,7 (.94)	15 300	10 (.39)	2,8 (6.17)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W2XI	6060583A	0,7 (.94)	15 300	10 (.39)	3,1 (6.83)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W2YI	6060893A	0,7 (.94)	15 300	10 (.39)	3,3 (7.28)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W3XI	6060584A	0,7 (.94)	15 300	10 (.39)	3,6 (7.94)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W3YI	6060894A	0,7 (.94)	15 300	10 (.39)	3,8 (8.38)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W4XI	6060585A	0,7 (.94)	15 300	10 (.39)	4,1 (9.04)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 070-153W4YI	6060895A	0,7 (.94)	15 300	10 (.39)	4,3 (9.48)			6 [8; 9; 3/16"; 5/16"; 1/4"]

Brushers or flap wheels of maximal diameter 50 mm (1.97 in) can be used with these grinders only.

DIE GRINDERS - Inline Design, Power Output 1 - 1,2 kW (1.34 -1.61 HP)

Die grinders - inline design
- for the grindig with grinding tips
- for the milling with grinding inserts (carbide cutters)

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Max. Ø of grinding tip mm (in)	Max. Ø of grinding insert mm (in)	Collet - clamping range Collet - standard equipment [optional accessories] mm
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1 000 W (1.34 HP)

Our turbine grinders operate oilfree and are therefore practically maintenance free. Grinding and milling in almost every industrial area. The low weight assures a fatigue-free effort. An integrated, automatic brake eliminates any trailing of the grinding spindle. Integrated speed regulator. Lower levels of vibration- and noise emissions compared to standard air-grinders. Especially well suited for the use with steel-disks. Your advantage: Extreme low air consumption.

GDST 100-280BX	6061137A	1 (1.34)	28 000	13 (.51)	1,9 (4.19)	32 (1.26)	16 (.63)	6 [3;4;5;8;9;3/16";5/16";1/4"]
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Our powerful die-grinders are designed to fulfill the highest quality demands when they are used on industrial applications - in foundries, in the tool- and die making industry or in the precision fabrication industry. These grinders are well-suited for the deburring and polishing of welding seams and for the processing of casted parts. The grinders that feature an extended spindle, are ideal for the cleaning of pipes and for the grinding in hard-to-reach areas. Please Note: When using these grinders for pipe-cleaning, attach lamellar sanding discs or wire brushes only! Our grinders are equipped with an integrated, quick-response speed regulator, that holds the speed of the tool constant, even when tool is operated at full load. Cold-insolated housing. Vane motor.

GDS 100-153BXI	6060586A	1 (1.34)	15 300	12 (.47)	1,7 (3.75)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153BYI	6060896A	1 (1.34)	15 300	12 (.47)	1,9 (4.19)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-190BXI	6060570A	1 (1.34)	19 000	12 (.47)	1,7 (3.75)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-190BYI	6060897A	1 (1.34)	19 000	12 (.47)	1,9 (4.19)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153SXI	6060575A	1 (1.34)	15 300	12 (.47)	1,3 (2.87)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153SYI	6060898A	1 (1.34)	15 300	12 (.47)	1,5 (3.31)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-190SXI	6060571A	1 (1.34)	19 000	12 (.47)	1,3 (2.87)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-190SYI	6060899A	1 (1.34)	19 000	12 (.47)	1,5 (3.31)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153VXI	6060594A	1 (1.34)	15 300	12 (.47)	1,6 (3.53)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153VYI	6060900A	1 (1.34)	15 300	12 (.47)	1,8 (3.97)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-190VXI	6060591A	1 (1.34)	19 000	12 (.47)	1,6 (3.53)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153WXI	830516 A	1 (1.34)	15 300	12 (.47)	2,5 (5.51)	Brushers or flap wheels of maximal diameter 50 mm (1.97 in) can be used with these grin- ders only.	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153WYI	6060840A	1 (1.34)	15 300	12 (.47)	2,7 (5.95)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W1XI	830516 B	1 (1.34)	15 300	12 (.47)	3,0 (6.61)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W1YI	6060841A	1 (1.34)	15 300	12 (.47)	3,2 (7.05)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W2XI	830516 C	1 (1.34)	15 300	12 (.47)	3,5 (7.72)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W2YI	6060842A	1 (1.34)	15 300	12 (.47)	3,7 (8.16)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W3XI	6060579A	1 (1.34)	15 300	12 (.47)	4,0 (8.82)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W3YI	6060843A	1 (1.34)	15 300	12 (.47)	4,2 (9.26)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W4XI	6060580A	1 (1.34)	15 300	12 (.47)	4,5 (9.92)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS 100-153W4YI	6060844A	1 (1.34)	15 300	12 (.47)	4,7 (10.36)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]

1 200 W (1.61 HP)

The robust construction of this grinder assures a high lifespan even when used in a 24/7 operation. An operator is able to work fatigue-free with this powerful air tool. The grinder is preferably used with grinding tips or carbide cutters for the treatment of plastics and metals in foundries, in the mold-making- and fixture-building industries and wherever precision fabrication is needed for de-burring, for the polishing of welding seams and for the processing of casted parts. The grinder incorporates a fast-acting speed regulator, which keeps the tools' speed constant even when operated at full load. The speed-regulator allows the adjustment of the peripheral speed; this allows the maximum speed potential to be used for any given application. This grinder operates at an extreme low noise level and keeps its operating vibration to a minimum. The previous, overhauled model no. PBK 75X was renamed the GDS 120 and is one of the best-selling DEPRAG INDUSTRIAL grinders. Vane motor.

GDS 120-120BX	6061163A	1,2 (1.61)	12 000	13 (.51)	2,3 (5.07)	50 (1.97)	20 (.79)	6[3;4;5;8;9;3/16";5/16";1/4"]
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Specifications at 90 psi (6,3 bar).



Advantages:

- for industrial applications
- high power-output at a low weight
- highly durable
- efficient
- ergonomic
- simple operation

DIE GRINDERS - Angle-head Design, Power Output 130 - 700 W (.17 - .94 HP)

Die grinders - angle-head design

- for the grinding with grinding tips (for the grinding or sharpening of drill-crowns with diamond grinding-tips - Model GDA 060-200BX)
 - for the milling with grinding inserts (carbide cutters)

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. Ø of grinding tip	Max. Ø of grinding insert	Collet - clamping range
		W (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	Collet - standard equipment [optional accessories*] mm

130 W (.17 HP)

Small, light weight and ergonomic grinders in angle-head design are especially well suited for the grinding and milling in hard-to-reach areas. There are many applications areas, such as the tool-, die- and mold industry or when precision fabricating is necessary. Vane motor.

Angle-Head in 90°

GDA 013-550BX	830494 A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDA 013-550BY	830494 B	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDA 013-550SX	6060529A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDA 013-550SY	6060528A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]

Angle-Head in 120°

GDB 013-550BX	830494 C	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDB 013-550BY	830494 D	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDB 013-550SX	6060531A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]
GDB 013-550SY	830828A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32"; 1/8"]

300 W (.40 HP)

Fabricating of plastics or metal. Because of the angle-head, this tool series is best used for hard-to-reach areas in foundries, tool-, die- and mold making industries or where precision fabricating is required. Vane motor.

Angle-Head in 90°

GDA 030-300BX	6060950A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDA 030-300BY	6060949A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDA 030-450BX	6060955A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDA 030-450BY	6060954A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDA 030-300SX	6060953A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDA 030-450SX	6060958A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]

Angle-Head in 120°

GDB 030-300BX	6060960A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDB 030-300BY	6060959A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDB 030-450BX	6060965A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDB 030-450BY	6060964A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDB 030-300SX	6060963A	0,3 (.40)	30 000	8 (.31)	0,5 (1.10)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDB 030-450SX	6060968A	0,3 (.40)	45 000	8 (.31)	0,5 (1.10)	16 (.63)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]

600 W (.80 HP)

This grinder has been especially designed for the grinding (or sharpening) of drill-crowns. For the carbide sharpening of the drill-crowns, we recommend the use of a round, diamond grinding-tip with a max. OD of 20 mm (.79 in) and a shaft-diameter of 8 mm (.31 in). An air- and water cooling system (optional accessories) reduces the wear and tear of the drill-crowns. Vane motor.

GDA 060-200BX	6060925A	0,6 (.80)	20 000	10 (.39)	1,4 (3.09)	-	-	8 [5/16"; 9"]
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700 W (.94 HP)

Optimum fabrication results in all industrial areas. Ideal because of the angle-head, this tool accesses hard-to-reach areas, such as when processing molds and for the cutting of castings or fixtures. This tool is suitable for the fabricating of both metals and plastics. Our grinders are equipped with a speed-regulator, that holds the speed of the tool constant, even when tool is operated at full load. Vane motor.

Angle-Head in 90°

GDA 070-153BX	830497 A	0,7 (.94)	15 300	10 (.39)	1,0 (2.20)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDA 070-190BX	830497 C	0,7 (.94)	19 000	10 (.39)	1,0 (2.20)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDA 070-230BX	830497 E	0,7 (.94)	23 000	10 (.39)	1,0 (2.20)	40 (1.58)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]

Angle-Head in 120°

GDB 070-153BX	830497 B	0,7 (.94)	15 300	10 (.39)	1,0 (2.20)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDB 070-190BX	830497 D	0,7 (.94)	19 000	10 (.39)	1,0 (2.20)	50 (1.97)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDB 070-230BX	830497 F	0,7 (.94)	23 000	10 (.39)	1,0 (2.20)	40 (1.58)	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]

Specifications at 90 psi (6,3 bar).



GDA 013-550SY



GDA 030-300BY



GDA 030-450SX



GDA 060-200BX



GDA 070-190BX

Advantages:

- for industrial applications
- high power-output at a low weight
- highly durable
- efficient
- ergonomic
- simple operation

Angle-Head 90°



GDA 070-153BX

Angle-Head 120°



GDB 030-450SX



STRAIGHT GRINDERS - Power Output 1,1 - 2,4 kW (1.48 - 3.22 HP)

Straight grinders

- for the fabrications on steel, for the deburring of welding-, casting-, and ridge-seams (with grinding disks)
- for the removal of rust, the descaling of rolled steel and forgings (with steel brushes)

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. radial speed	Grinding disk Ø / width	For disk
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	m/s (ft/s)	mm (in)	

Our straight grinders are designed for the use with 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. When grinding with a grinding disk, or when using these tools with brushes, it is necessary to only operate these tools with safety guards. The integrated speed regulator keeps the speed nearly constant and also reduces the air consumption. Vane motor.

GS 508-120BX	6061218A	1,2 (1.61)	12 000	13 (.51)	2,2 (4.85)	50 (164)	80 / 20; 16 (3.15 / .79; .63)	tapered
GS 508-120BXA	6061228B	1,2 (1.61)	12 000	13 (.51)	2,2 (4.85)	50 (164)	80 / 20 (3.15 / .79)	flat
PBO 100MX	826316 A	1,5 (2.01)	8 500	13 (.51)	3,8 (8.38)	45 (147.6)	100 / 20 (3.94 / .79)	flat
PBO 180NX	6060392A	1,5 (2.01)	8 500	13 (.51)	4,0 (8.82)	80 (262.4)	180 / 8; 10 (7.09 / .31; .39)	flex
PBO 150MX	826317 A	2,4 (3.22)	5 700	16 (.63)	5,1 (11.24)	45 (147.6)	150 / 20; 25 (5.91 / 3.15; .98)	flat
PBO 230NX	830806A	2,4 (3.22)	6 600	16 (.63)	5,0 (11.02)	80 (262.4)	230 / 8; 10 (9.06 / .31; .39)	flex

Our straight grinder is designed for the use with 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. When grinding with a grinding disk, or when using these tools with brushes, it is necessary to only operate this tool with safety guards. The integrated speed regulator keeps the speed nearly constant and also reduces the air consumption. We are able to set a speeds within the range of 2 800 to 5 000 min⁻¹. Double torque capability compared to the Model PBO 150MX. Due to a special gearing the Model GS does not lose power during high load as do the Models PBO. Vane motor.

GS 315-240BX	6061141A	2,4 (3.22)	4 000	16 (.63)	6,5 (14.33)	32 (104.96)	150 / 20; 25 (5.91 / 3.15; .98)	flat
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Specifications at 90 psi (6,3 bar).



GS 508-120BXA



PBO 150MX



GS 315-240BX



All our straight grinders are equipped with our safety clamping-feature. Both the tension-flange as well as the retainer-flange are interlocked with the spindle, so that even when the tool stalls, the grinding disk cannot come loose.



PBO 100MX

Advantages

- for industrial applications
- optimum power-to-weight ratio
- highly durable
- robust
- efficient
- simple operation

ANGLE GRINDERS - Without Gearing, for Grinding Disks with a Diameter of 115 - 230 mm

Angle grinders with direct drive - for the scrubbing and leveling of cast-iron parts, steel parts, welding seams, non-ferrous metals of all types and rock, as well as for any other fabrication areas, such as the steel- and container construction, for machine building, in foundries and concrete construction



PBU 115C-80Z



PBU 180G-80X



PBU 180F-80X



PBU 125C-45X

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Max. Ø of grindingdisk O.D. / I.D. mm (in)	Max. thickness of grinding disk mm (in)	Max. radial speed m/s	Spindle thread
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- For grinding wheels of type 27/28, the smallest angle grinder is a one-hand operational tool, which is primary used for light duty jobs; the angle grinder Models PBU are equipped with direct drives, resulting in lower maintenance requirements
- Start by button
- Integrated ABU (auto-balancing-unit) reduces vibration and allows a fatigue-free operation
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

PBU 115C-80Z	826309 A	0,5 (.67)	13 200	10 (.39)	1,9 (4.19)	115 / 22,2 (4.53 / .87)	8 (.31)	80	M14
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- For grinding wheels of type 27/28, ideal tools for grinding in areas not limited by space the angle grinder Models PBU are equipped with direct drives resulting in lower maintenance requirements
- Safety lever (lever on handle facing downwards)
- Without an ABU (NO auto-balancing-unit)
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

PBU 150G-80X	6060457A	1,9 (1.48)	10 200	16 (.63)	4,1 (9.04)	150 / 22,2 (5.91 / .87)	8 (.31)	80	M14
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PBU 180G-80X	830426 A	1,9 (1.48)	8 500	16 (.63)	4,1 (9.04)	180 / 22,2 (7.09 / .87)	10 (.39)	80	M14
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PBU 230G-80X	6060455A	1,9 (1.48)	6 600	16 (.63)	4,4 (9.70)	230 / 22,2 (9.06 / .87)	10 (.39)	80	M14
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- For grinding wheels of type 27/28, ideal tool for grinding in areas not limited by space and for heavy duty operations the angle grinders Models PBU are equipped with direct drives resulting in lower maintenance requirements
- Safety lever (lever on handle facing upwards)
- Integrated ABU (auto-balancing-unit) reduces vibration and allows a fatigue-free operation
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

PBU 180E-80X	826310 A	2,4 (3.22)	8 500	16 (.63)	5,6 (12.35)	180 / 22,2 (7.09 / .87)	10 (.39)	80	M14
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PBU 180F-80X	826311 A	1,2 (1.61)	8 500	13 (.51)	4,2 (9.26)	180 / 22,2 (7.09 / .87)	8 (.31)	80	M14
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PBU 230E-80X	826312 A	2,35 (3.15)	6 600	16 (.63)	5,6 (12.35)	230 / 22,2 (9.06 / .87)	10 (.39)	80	M14
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- For cup-wheels of type 11 or 6. When used in heavy-duty operations, such as ship-building or railway construction, an angle grinder that is capable for mounting a cup-wheel must be used. We especially designed our Model PBU 125C-45X for this purpose.
- Safety lever (lever on handle facing upwards)
- Integrated ABU (auto-balancing-unit) reduces vibration and allows a fatigue-free operation
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

PBU 125C-45X	6060487A	2,35 (3.15)	6 600	16 (.63)	5,6 (12.35)	125 / 22,2 (4.92 / .87)	50 (1.97)	45	M14
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Specifications at 90 psi (6,3 bar).



PBU 230E-80X



Advantages:

- for industrial applications
- high power-output
- efficient
- ergonomic
- low demands on service
- highly durable

ANGLE GRINDERS - With Gearing, for Grinding Disks with a Diameter of 100 - 230 mm

Angle grinders with angle gear - for the scrubbing and leveling of cast-iron parts, steel parts, welding seams, non-ferrous metals of all types and rock, as well as for any other fabrication areas, such as the steel- and container construction, for machine building, in foundries and concrete construction

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. Ø of grinding disk O.D. / I.D.	Max. thickness of grinding disk	Max. cutting depth	Max. radial speed	Spindle thread
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	mm (in)	m/s	

- For grinding or when used with cut-off wheels of type 27/28 41/42, for the best-possible grinding results even on hard-to-reach areas
- Safety lever (lever on handle facing upwards)
- Integrated ABU (auto-balancing-unit) reduces vibration and allows a fatigue-free operation
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

GA 810-050BX	6061139A	0,5 (.67)	15 300	10 (.39)	1,3 (2.87)	100 / 16 (3.94 / .63)	6 (.24)	30 (1.18)	80	M14
GA 811-100BX	6060546A	1 (1.34)	13 200	13 (.51)	2,3 (5.07)	115 / 22,2 (4.53 / .87)	6 (.24)	29 (1.14)	80	M14
GA 812-100BX	6060545A	1 (1.34)	12 200	13 (.51)	2,3 (5.07)	125 / 22,2 (4.92 / .87)	6 (.24)	34 (1.34)	80	M14

- For grinding or when used with cut-off wheels of type 27/28 41/42, for the best-possible grinding results even on hard-to-reach areas
- Safety lever (lever on handle facing downwards)
- Integrated ABU (auto-balancing-unit) reduces vibration and allows a fatigue-free operation
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load. Low air consumption.
- Vane motor

GA 818-230BX	6060970A	2,3 (3.08)	8 400	16 (.63)	4,4 (9.70)	180 / 22,2 (7.09 / .87)	10 (.39)	55 (2.17)	80	M14
GA 823-230BX	6060971A	2,3 (3.08)	6 600	16 (.63)	4,6 (10.14)	230 / 22,2 (9.06 / .87)	10 (.39)	80 (3.15)	80	M14

Air turbine grinders - DOUBLE THE POWER! HALF THE WEIGHT!

- For grinding or when used with cut-off wheels of type 27/28 41/42, for the best-possible grinding results even on hard-to-reach areas
- Safety lever (lever on handle facing downwards)
- Oilfree and maintenance-free operation, turbine motor does not require airline lubrication
- Optimal power to weight ratio, low air consumption, high material removal
- Perfect handling due to the vibration-dampening grip and the ergonomic form
- High operating-safety
- Safety guard adjustment is possible without the need of a tool
- Spindle-lock at the push of a button; keyless wheel/disk replacement possible
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load.

GAT 811-220BX	310100 A	2,2 (2.95)	12 000	13 (.51)	1,8 (3.97)	115 / 22,2 (4.53 / .87)	6 (.24)	35 (1.38)	80	M14
GAT 812-220BX	315193 E	2,2 (2.95)	12 000	13 (.51)	1,9 (4.19)	125 / 22,2 (4.92 / .87)	6 (.24)	40 (1.57)	80	M14
GAT 812-220BXH	315193 Q	2,2 (2.95)	12 000	13 (.51)	1,9 (4.19)	125 / 22,2 (4.92 / .87)	6 (.24)	40 (1.57)	80	M14
GAT 815-180BX	315193 M	1,8 (2.4)	10 200	13 (.51)	2,2 (4.85)	150 / 22,2 (5.91 / .87)	6 (.24)	52 (2.05)	80	M14
GAT 815-180BXH	315193 R	1,8 (2.4)	10 200	13 (.51)	2,2 (4.85)	150 / 22,2 (5.91 / .87)	6 (.24)	52 (2.05)	80	M14
GAT 818-220BXH	310062 A	2,2 (2.95)	8 500	13 (.51)	2,8 (6.17)	180 / 22,2 (7.09 / .87)	10 (.39)	58 (2.28)	80	M14
GAT 818-450BX	418193 A	4,5 (6.03)	8 500	19 (.75)	4,0 (8.82)	180 / 22,2 (7.09 / .87)	10 (.39)	51 (2.01)	80	M14
GAT 823-450BX	418193 B	4,5 (6.03)	6 600	19 (.75)	4,0 (8.82)	230 / 22,2 (9.06 / .87)	8 (.31)	76 (2.99)	80	M14

Air turbine grinder - DOUBLE THE POWER! HALF THE WEIGHT!

- For cup wheels of type 11, with threads, for heavy-duty operations, such as ship-building or railway construction
- Safety lever (lever on handle facing downwards)
- Oilfree and maintenance-free operation, turbine motor does not require airline lubrication
- Optimal power to weight ratio, low air consumption, high material removal
- Perfect handling due to the vibration-dampening grip and the ergonomic form
- High operating-safety
- Safety guard adjustment is possible without the need of a tool
- Spindle-lock at the push of a button; keyless wheel/disk replacement possible
- The integrated speed regulator holds the speed of the tool constant, even when tool is operated at full load.

GAT 515-450CXT	418193 C	4 500	6 000	19 (.75)	4,5 (9.92)	150 / 5/8"UNC	-	-	50	5/8"UNC
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Specifications at 90 psi (6,3 bar).



GA 810-050BX



GA 823-230BX



GAT 815-180BX



GAT 818-450BX



GAT 515-450CXT



GAT 823-450BX

Advantages

- for industrial applications
- high power
- highly durable
- efficient
- ergonomic
- for an oilfree operation, we offer our special line of turbine grinders

BELT SANDERS - Power Output 300 W, 500 W (.4, .67 HP)

Belt sanders

- for the grinding, smoothing and polishing of even and curved surfaces, for the bevelling of edges and the fabricating of steel, stainless-steel, brass, bronze-casting, aluminum parts, etc.



GB 030-013BX



GB 050-025BX

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Radial speed of grinding belt m/s (ft/s)	Dimensions of grinding belt mm (in)
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300 W (.4 HP)

Our belt-sanders are well suited for the grinding and polishing of even and curved surfaces. Basic design or design with exhaust hose. Can even be operated as a grinders with collet. Vane motor.

GB 030-013BX	830498 A	0,3 (.4)	30 000	6 (.24)	0,9 (1.98)	28 (91.84)	13 x 305 (.51 x 12.01)
GB 030-013CX	830498 B	0,3 (.4)	30 000	6 (.24)	1,2 (2.65)	28 (91.84)	13 x 305 (.51 x 12.01)

500 W (.67 HP)

Ergonomic belt sander for grinding and polishing of even and curved surfaces - for heavy duty, industrial applications. With integrated speed regulator. Vane motor.

GB 050-025BX	6060932A	0,5 (.67)	16 000	10 (.39)	1,4 (3.09)	23 (75.44)	19 x 480 (.75 x 18.90)
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Specifications at 90 psi (6,3 bar).



Contact Arms for Belt Sanders

DEPRAG CZ a.s. offer contact arms for belt sanders in different designs, shapes, sizes and materials - made for your application.

We produce contact wheels for our belt sanders with different materials - e.g. polyurethan, steel, bronze, brass etc., with different diameter from 8 mm (5/16") to 25 mm (1"), and width from 8 mm (5/16") to 26 mm (1-1/32").

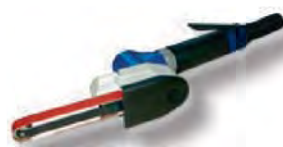
The application range of the belt grinders is almost unlimited, due to many different contact arms that we offer. The grinders can be used for standard vertical or horizontal grinding of edges and pipes. Different size of contact wheels and thin arms allow grinding of places with limited access or inside holes. Contact arms with belt support are used on flat surfaces and arms without support are more suitable for finishing of round surfaces.

According to the requirement, we offer belts with different width from 3,5 mm (9/64") to 25 mm (1") and lengths from 305 mm (12") to 510 mm (20").

The specialized construction of the contact-arms allows the efficient grinding, even in tight quarters. The contact-arms are efficiently connected to the motor of the belt-sander by a contact-wheel.

Advantages:

- for industrial applications
- high power-output
- highly durable
- operates in hard-to reach areas
- grinding of plain or curved surfaces



GB 030-013 CX



GB 050-025BX



AIR VANE MOTORS FOR SPECIAL APPLICATIONS - ready for integration into your machine

DEPRAG has a wide range of air vane motors designed for special applications and available for grinding, milling and drilling.

Grinding motors

The DEPRAG grinding motor program benefits from decades of experience with the tried and tested DEPRAG handheld pneumatic grinders. The robust steel housing guarantees high accuracy and operational reliability. Furthermore, the grinding spindle features extreme precise collets for various shaft diameters and assure a high run-out accuracy.

Available power ranges: 150 W - 1.000 W

Speed (no load): 15.300 - 47.000 rpm (made to suit your individual application)

Actual and detailed information, showing the complete product line of DEPRAG air vane motors for grinding, may be found on our web side www.deprag.com or in our catalog D 6800. Please contact our product specialist if you cannot find a suitable tool.



Stationary grinders DEPRAG INDUSTRIAL

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Max. Ø of grinding tip	Max. Ø of grinding insert	Max. Ø of flap wheel	Collet - clamping range Collet - standard equipment [optional accessories*] mm
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	mm	
GDS 030-300BSV	6061173A	0,3 (.4)	30 000	6 (.24)	0,7 (1.54)	20 (.79)	6 (.24)	25 (.98)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 030-450BSV	6061174A	0,3 (.4)	45 000	6 (.24)	0,7 (1.54)	20 (.79)	6 (.24)	15 (.59)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS 050-200BSV	6061168A	0,5 (.67)	20 000	10 (.39)	1,2 (2.65)	32 (1.26)	16 (.63)	40 (1.57)	6 [3; 4; 1/8"; 3/16", 1/4"]
GDS 070-190BSV	6061169A	0,7 (.94)	19 000	10 (.39)	1,7 (3.75)	40 (1.57)	16 (.63)	40 (1.57)	6 [3; 4; 5; 8; 9; 5/16"; 3/16", 1/4"]
GDS 100-153BSV	6061172A	1 (1.34)	15 300	12 (.47)	1,7 (3.75)	50 (1.97)	16 (.63)	50 (1.97)	6 [3; 4; 5; 8; 9; 5/16"; 3/16", 1/4"]

Specifications at 90 psi (6,3 bar).
* We offer also other collet sizes.

Milling motors

The durable milling motors with a superior run-out precision, are the first choice for robotic applications since they are small in size but powerful and offer a vast speed range.

Available power classes: 400 W

Speed (no load): max. 20.000 rpm (according to your individual application)

Actual and detailed information, showing the complete product line of DEPRAG air vane motors for milling, may be found on our web side www.deprag.com or in our catalog D 6800. Please contact our product specialist if you cannot find a suitable tool.



Drilling motors

Drill motors in slim design allow narrow hole spacing for multiple spindle-units as required for window manufacturing.

Available power classes: 170 W - 600 W

Speed (no load): 150 - 24.000 rpm

Actual and detailed information, showing the complete product line of DEPRAG air vane motors for drilling, may be found on our web side www.deprag.com or in our catalog D 6800. Please contact our product specialist if you cannot find a suitable tool.



Advantages

- A wide range of our air vane motors for grinding, milling and drilling in a standard assortment.
- robust
- highly durable
- high power output

POLISHERS - Pistol-Grip / Angle-head Design

Polishers - Pistolgrip - for a fine-precision polishing or for the heavy-duty de-rusting of metal, for the removal of paint layers, or even the coarse grinding of cast-iron or wood by using fiber disks



PLU 50A-55ZK

Model	Part No.	Power output	Speed (no load)	Max. Ø of support disk	Max. Ø of grinding tip	Max. Ø of grinding insert	I.D. of air inlet hose	Weight without air connection	Spindle thread
		kW (hp)	min ⁻¹ /rpm	mm (in)	mm (in)	mm (in)	mm (in)	kg (lbs)	

Polishers with pistol-grip

- Grinding and polishing - non-stop operation even when used in 24/7 operations
- The polisher PLU 50B is equipped with an extended spindle W 1/4" for hard-to-reach areas, and for difficult applications such as the automotive construction.
- Push button
- With integrated speed regulator
- Vane motor

PLU 50A-55ZK	6060670A	0,45 (.60)	21 000	50 (1.97)	35 (1.38)	9,5 (.37)	10 (.39)	0,8 (1.76)	M12x1
PLU 50B-45ZK	6060671A	0,45 (.60)	17 800	50 (1.97)	35 (1.38)	-	10 (.39)	0,8 (1.76)	M12x1
PLU 50C-40ZK	830499 A	0,45 (.60)	15 000	50 (1.97)	35 (1.38)	-	10 (.39)	0,8 (1.76)	M12x1
PLU 75A-70ZK	830499 B	0,45 (.60)	17 800	75 (2.95)	-	-	10 (.39)	0,8 (1.76)	M12x1

Specifications at 90 psi (6,3 bar).



PA 025-011SX

Model	Part No.	Power output	Speed (no load)	Rubber support disk-Ø	I.D. of air inlet hose	Weight without air connection	Spindle thread
		kW (hp)	min ⁻¹ /rpm	mm	mm (in)	kg (lbs)	

Polishers - with angle head 90°

- For the polishing of casted parts, welding seams and other materials using vulcan fiber disks
- Safety lever
- With gear for optimal working-speeds and the best polishing operations
- Vane motor

PA 025-036SX	3149172B	0,25 (.34)	3 600	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA 025-021SX	3149172C	0,25 (.34)	2 100	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA 025-011SX	3149172D	0,25 (.34)	1 100	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA 035-036SX	3149181B	0,35 (.47)	3 600	120 (4.72)	10 (.39)	1,0 (2.20)	M14
PA 035-022SX	3149181C	0,35 (.47)	2 200	120 (4.72)	10 (.39)	1,0 (2.20)	M14

Angle polishers, with direct drive

- For the polishing of casted parts, welding seams and other materials using vulcan fiber disks
- Push button (Model PLU 115A-80Z); safety lever (Model PLU 180D-80X - lever on handle facing upwards; Model PLU 180E-80X - lever on handle facing downwards).
- With integrated speed regulator
- Vane motor

PLU 115A-80Z	826313 A	0,46 (.62)	13 200	115 (4.53)	10 (.39)	1,4 (3.09)	-
PLU 180D-80X	826314 A	1,2 (1.61)	8 500	180 (7.09)	13 (.51)	3,1 (6.83)	-
PLU 180E-80X	830499 C	1,2 (1.61)	8 500	180 (7.09)	13 (.51)	2,7 (5.95)	-



PA 070-060BYI

Angle polishers, with gear

- For the polishing of casted parts, welding seams and other materials using vulcan fiber disks, or for the polishing of car bodies after welding in the automotive industry, for the best-possible polishing results even on hard-to-reach areas
- Model PLP - safety lever, with extended spindle (design A) or without extended spindle (design B)
- Model PA 070 - twist valve, double insulated housing for noise reduction and low vibration
- With integrated speed regulator
- Vane motor

PLP 180A-40X	6060663A	0,7 (.94)	4 000	180 (7.09)	10 (.39)	2,4 (5.29)	-
PLP 180B-40X	826716 A	0,7 (.94)	4 000	180 (7.09)	10 (.39)	2,2 (4.85)	-
PA 070-060BYI	6061047A	0,7 (.94)	6 000	180 (7.09)	10 (.39)	2,0 (4.41)	-

Angle turbine polisher, with gear

- DOUBLE THE POWER! HALF THE WEIGHT!

- For the polishing of casted parts, welding seams and other materials using vulcan fiber disks
- Oilfree and maintenance-free operation, exchange of vanes is not needed. Turbine motor does not require airline lubrication.
- Optimal power to weight ratio, low air consumption
- Perfect handling by means of an anti-vibration side handle and ergonomic shape, change-over to left-handed operation possible.
- High operating safety - machine automatically shuts-off at overload - machine incorporates a safety lever and an integrated contact-protection that avoids the inadvertent contact of the grinding disk by the operator, which eliminates any subsequent injury.
- Simple oil-change utilizing the integrated oil-drain plug; no disassembly of tool needed
- Spindle-lock at the push of a button; a keyless fiber wheel / disk replacement possible
- With integrated speed regulator

PAT 220-085BX	310115 A	2,2 (2.95)	8 500	180 (7.09)	13 (.51)	2,0 (4.41)	M14
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Specifications at 90 psi (6,3 bar).



PAT 220-085BX

POLISHERS - Orbital Sander / Radial Polisher

Straight polisher - for processing of various material by polishing wheel; the wheels are threaded directly onto the 5/8"-11 UNF spindle-thread

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Extended spindle (standard equipment)
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	Spindle thread

Radial polisher

- For the treatment of different materials using abrasive rollers or polishing wheels
- Safety lever
- With integrated speed regulator
- Vane motor

PS 045-034BXT	6060684A	0,45 (.60)	3 400	10 (.39)	1,5 (3.31)	5/8"-11UNF
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Specifications at 90 psi (6,3 bar).



PS 045-034BXT

Excentric orbital polisher - for precision and demanding polishing in the automotive industry. This polisher is intended for the use with emery wheels (with Velcro), fabric wheels and polishing wheels.

Model	Part No.	Power output	Speed (no load)	Ø of emery wheel - min./max.	I.D. of air inlet hose	Weight without air connection	Spindle thread
		kW (hp)	min ⁻¹ /rpm	mm (in)	mm (in)	kg (lbs)	

Excentric polisher

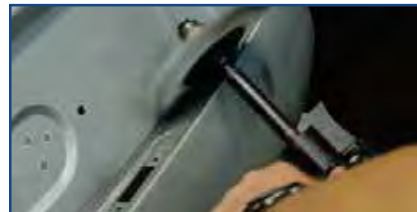
- For the exact, upscale polishing in applications, such as in the automotive industry, for polishing with fiber disks, buffing disks or for sanding using emery disks and velcro closures
- Safety lever
- With integrated speed regulator
- Vane motor

PLUE 125/150	828312 A	0,15 (.20)	12 000	125 / 150 (4.92 / 5.91)	10 (.39)	0,9 (1.98)	5/16"-24
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Specifications at 90 psi (6,3 bar).



PLUE 125/150



PAT 220-085BX

Advantages:

- for industrial applications
- highest power output at a low weight
- efficient and economical
- ergonomic
- highly durable
- simple operation

DRILLS - Inline Design, Power Output 120 - 290 W (.16 - .34 HP)

Drills - inline design - for the drilling of different materials in the aviation- and automotive industry as well as the machine building industry



DS 012-005PC

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Rated torque Nm	Max. Ø of drill bit mm (in)	Collet - clamping range Collet - standard equipment [optional accessories] mm
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120 W (.16 HP)

Drill with collet (deburrer) - for vertical applications, push to start, collets with M12x1, clamping diameter of 3 - 9,5 mm, deburring of holes up to 15-mm diameter, with commonly available burrs (90°). Spindle-lock for the simple locking and loosening of the drill bit. Rated torque 4,5 Nm. With gears for the best operating speed and superior drilling results.

DS 012-005PC	300032A	0,12 (.16)	500	6 (.24)	0,8 (1.76)	4,5	6 (.24)	8 [3; 3,175; 3,3; 4; 5; 6; 6,35; 7; 9; 9,5]
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Specifications at 90 psi (6,3 bar).

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Drilling into steel to mm (in)	Drilling into alu to mm (in)	Clamping range mm
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200 W (.27 HP)

Ergonomic midget drills with collet/drill chuck B10 for the vertical drilling into metal, wood and plastics and for the best-possible drilling results even at hard-to-reach areas. With gears for the best operating speed and superior drilling results.

On special request we can offer you other types of drills - up to 144 different drill varieties are available for customization!

The modular construction allows us to offer up to 144 different drill models, each made to our customers special requirement. The best-suited model has to be selected from a combination of material to be drilled, the required diameter of the drilled hole and the desired speed of the tool (speed range 600 - 20 000 min⁻¹; safety lever or twist valve, short design or basic design with air exhaust hose; drill bit clamping system - collet, thread on chuck 3/8"24UNF or taper chuck B10; with/without shield.

Drills with drill chuck								Chuck range
DS 020-006BXPB10	6060076A	0,2 (.27)	600	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6
DS 020-009BXPB10	6060075A	0,2 (.27)	900	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6
DS 020-015BXPB10	6060074A	0,2 (.27)	1 500	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6
DS 020-040BXPB10	6060073A	0,2 (.27)	4 000	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6
DS 020-060BXPB10	6060072A	0,2 (.27)	6 000	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6
DS 020-200BXPB10	6060071A	0,2 (.27)	20 000	5 (.20)	0,9 (1.98)	4 (.16)	6 (.24)	0,5 - 6

Drills with collet								Collet - optional accessories
DS 020-006BXC	6060164A	0,2 (.27)	600	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"
DS 020-009BXC	6060163A	0,2 (.27)	900	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"
DS 020-015BXC	6060162A	0,2 (.27)	1 500	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"
DS 020-040BXC	6060161A	0,2 (.27)	4 000	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"
DS 020-060BXC	6060160A	0,2 (.27)	6 000	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"
DS 020-200BXC	6060159A	0,2 (.27)	20 000	5 (.20)	0,7 (1.54)	4 (.16)	6 (.24)	1; 2; 3; 4; 5; 6; 1/8"; 3/16"; 1/4"

Specifications at 90 psi (6,3 bar).

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Drilling into steel to mm (in)	Drilling into alu to mm (in)	Chuck range / quick change chuck range mm
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290 W (.34 HP)

Midget drills with drill-chuck primarily for vertical applications. With gearing to achieve the optimal operating speed and to achieve the best-possible drilling result. Tapered chuck DIN 238 - B10, B12.

DS 029-170SXPB10	3922131C	0,29 (.39)	17 000	6 (.24)	0,9 (1.98)	-	6 (.24)	0,5 - 6,5 / -
DS 029-045SXPB10	3922131A	0,29 (.39)	4 500	6 (.24)	1,0 (2.20)	4 (.16)	6 (.24)	0,5 - 6,5 / 0,5 - 6
DS 029-021SXPB12	3922131B	0,29 (.39)	2 100	6 (.24)	1,0 (2.20)	6 (.24)	8 (.31)	0,8 - 10 / 0,5 - 10

Specifications at 90 psi (6,3 bar).



DS 029-045SXPB10

DRILLS - Inline Design, Power Output 700 W - 3,5 kW (.94 - 4.69 HP)

Drills - inline design - for drilling, reaming and counter-sinking operations e.g. in machine building and construction industry for heavy-duty applications. The reversible drills can also be used for tapping and milling of pipes.

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	Drilling into steel to mm (in)	Reaming up to mm (in)	Tapping into steel to mm (in)	Milling of pipes mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	MORSE taper
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Drills with MORSE taper (or with drill chuck) for the drilling, grating, counter-sinking, tapping and the milling of pipes. The models DS 070-014ZB16 and DS 070-014ZMK1 are equipped with a fist-grip; all other models have T-handles (with integrated twist-valve for start), located on the same axis. An ejector pin (standard equipment) is supplied with the models DS100-004/005...; this pin is required for the removal of the drill bit. All other models (with T-handles) are equipped with spindle-feed and pilot wheel. With gears for the best operational speed and superior drilling results.

Right-rotating drills with MORSE taper

700 W - 3,5 kW (.94 - 4.69 HP)

DS 070-014ZMK1	3005661A	0,7 (.94)	1 400	15 (.59)	-	-	-	10 (.39)	3,5 (7.72)	1
DS 100-004YMK3	3021141A	1 (1.34)	380	30 (1.18)	26 (1.02)	-	-	15 (.59)	9,8 (21.61)	3
DS 100-005YMK2	3021121A	1 (1.34)	520	26 (1.02)	23 (.91)	-	-	15 (.59)	9,8 (21.61)	2
DS 110-013YMK2	3021151A	1,1 (1.48)	1 300	19 (.75)	-	-	-	12 (.47)	7,0 (15.43)	2
DS 180-007YMK3	3021191A	1,8 (2.41)	700	32 (1.26)	26 (1.02)	-	-	15 (.59)	14,0 (30.86)	3
DS 180-004YMK4	3021221A	1,8 (2.41)	360	40 (1.57)	35 (1.38)	-	-	15 (.59)	19,0 (41.89)	4
DS 180-002YMK4	3021221B	1,8 (2.41)	200	50 (1.97)	50 (1.97)	-	-	15 (.59)	19,0 (41.89)	4
DS 350-005YMK4	3021281A	3,5 (4.69)	500	50 (1.97)	40 (1.57)	-	-	19 (.75)	22,5 (49.60)	4
DS 350-002YMK5	3021301A	3,5 (4.69)	200	60 (2.36)	50 (1.97)	-	-	19 (.75)	31 (68.34)	5
DS 350-001YMK5	3021301B	3,5 (4.69)	150	80 (3.15)	75 (2.95)	-	-	19 (.75)	31 (68.34)	5

Reversible drills, with MORSE taper

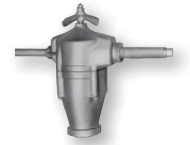
1,0 - 3,1 kW (1.34 - 4.16 HP)

DS 100-004YRMK3	3009521A	1 (1.34)	380	27 (1.06)	23 (.91)	24 (.94)	24 (.94)	15 (.59)	10,5 (23.15)	3
DS 100-005YRMK2	3016801A	1 (1.34)	520	23 (.91)	21 (.83)	23 (.91)	23 (.91)	15 (.59)	10,5 (23.15)	2
DS 110-013YRMK2	3009471A	1,1 (1.48)	1 300	18 (.71)	15 (.59)	-	-	12 (.47)	7,8 (17.20)	2
DS 180-007YRMK3	3007911A	1,8 (2.41)	700	32 (1.26)	26 (1.02)	26 (1.02)	25 (.98)	15 (.59)	18 (39.68)	3
DS 180-004YRMK4	3017151A	1,8 (2.41)	350	40 (1.57)	35 (1.38)	35 (1.38)	35 (1.38)	15 (.59)	20 (44.09)	1
DS 180-002YRMK4	3017151B	1,8 (2.41)	200	50 (1.97)	50 (1.97)	50 (1.97)	60 (2.36)	15 (.59)	20 (44.09)	4
DS 310-005YRMK4	3007781A	3,1 (4.16)	500	50 (1.97)	40 (1.57)	50 (1.97)	50 (1.97)	19 (.75)	26 (57.32)	4
DS 310-002YRMK5	3017171A	3,1 (4.16)	220	60 (2.36)	50 (1.97)	65 (2.56)	65 (2.56)	19 (.75)	34 (74.96)	5
DS 310-001YRMK5	3017171B	3,1 (4.16)	150	80 (3.15)	75 (2.95)	100 (3.94)	120 (4.72)	19 (.75)	34 (74.96)	5

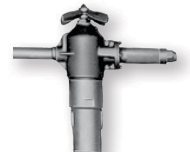
Right-rotating drill with drill chuck B16 (drill chuck clamping capacity 1 - 13 mm) 700 W (.94 HP)

DS 070-014ZB16	3011111A	0,7 (.94)	1 400	13 (.51)	-	-	-	10 (.39)	4,1 (9.04)	-
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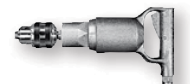
Specifications at 90 psi (6,3 bar).



DS 180-002YMK4



DS 100-004YRMK3



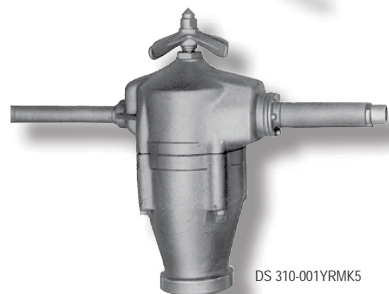
DS 070-014ZB16



DS 020-200BXC



DS 020-009SYPB10 (on special request)



DS 310-001YRMK5

Advantages:

- for industrial applications
- ergonomic
- optimum power-to-weight ratio
- simple operation
- high variability, customer-specific solutions
- highly durable

DRILLS - Angle-head Design, Power Output 200 W - 2,2 kW (.27 - 2.95 HP)

Drills - angle-head design - for the optimum drilling of different materials - for the construction in the ship building-, aviation and automotive industry, as well as the machine building industry

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Drilling into steel to	Drilling into alu to	Chuck range	Drill chuck	Collet range
		kW (hp)	min ⁻¹ /rpm	mm (in)	kg (lbs)	mm (in)	mm (in)	mm	mm	mm

200 - 350 W (.27 - .47 HP)

Small drills equipped with either drill-chuck B10 / B12 or collet for drilling into steel, aluminium or other materials. With gears for the best operating speed and superior drilling results.

ON REQUEST: This drill series offers a modular design of 12 different speed varieties, collet, drill chuck B10, B12 or with 3/8-24 UNF thread. Safety lever or twist valve.

Drills with collet, angle-head 90°

DA 020-005SXC	6060272A	0,2 (.27)	500	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	-	-	1 - 6
DA 020-007SXC	6060271A	0,2 (.27)	700	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	-	-	1 - 6
DA 020-013SXC	6060270A	0,2 (.27)	1 300	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	-	-	1 - 6
DA 020-033SXC	6060269A	0,2 (.27)	3 300	6 (.24)	0,7 (1.54)	4 (.16)	6 (.24)	-	-	1 - 6
DA 020-040SXC	3027201K	0,2 (.27)	4 000	6 (.24)	0,8 (1.76)	3 (.12)	4,48 (.18)	-	-	3 - 4,48
DA 020-047SXC	6060268A	0,2 (.27)	4 700	6 (.24)	0,7 (1.54)	3 (.12)	5 (.20)	-	-	1 - 6
DA 020-190SXC	6060267A	0,2 (.27)	19 000	6 (.24)	0,7 (1.54)	-	4 (.16)	-	-	1 - 6
DA 025-006SXC	3148954E	0,25 (.34)	550	6 (.24)	1,1 (2.43)	10 (.39)	10 (.39)	-	-	3 - 6
DA 025-011SXC	3148954D	0,25 (.34)	1 100	6 (.24)	1,1 (2.43)	8 (.31)	10 (.39)	-	-	3 - 6
DA 025-021SXC	3148954C	0,25 (.34)	2 100	6 (.24)	1,0 (2.20)	6 (.24)	10 (.39)	-	-	3 - 6
DA 025-036SXC	3148954B	0,25 (.34)	3 600	6 (.24)	1,0 (2.20)	5 (.20)	8 (.31)	-	-	3 - 6
DA 025-140SXC	3148954A	0,25 (.34)	14 000	6 (.24)	0,9 (1.98)	-	6 (.24)	-	-	3 - 6
DA 035-036SXC	3149191B	0,35 (.47)	3 600	10 (.39)	1,0 (2.20)	6 (.24)	6 (.24)	-	-	3 - 6
DA 035-140SXC	3149191A	0,35 (.47)	14 000	10 (.39)	1,0 (2.20)	6 (.24)	10 (.39)	-	-	3 - 6

Drills with collet, angle-head 150°

DC 020-040SZC	3027201L		4 000	6 (.24)	0,8 (1.76)	3 (.12)	4,48 (.18)	-	-	3 - 4,8
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Drills with chuck, angle-head 90°

DA 020-005SXB10	6060260A	0,2 (.27)	500	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	0,5 - 6	B10	-
DA 020-007SXB10	6060259A	0,2 (.27)	700	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	0,5 - 6	B10	-
DA 020-013SXB10	6060258A	0,2 (.27)	1 300	6 (.24)	0,8 (1.76)	4 (.16)	6 (.24)	0,5 - 6	B10	-
DA 020-033SXB10	6060257A	0,2 (.27)	3 300	6 (.24)	0,7 (1.54)	4 (.16)	6 (.24)	0,5 - 6	B10	-
DA 020-047SXB10	6060256A	0,2 (.27)	4 700	6 (.24)	0,7 (1.54)	3 (.12)	5 (.20)	0,5 - 6	B10	-
DA 020-190SXB10	6061050A	0,2 (.27)	19 000	6 (.24)	0,7 (1.54)	-	4 (.16)	0,5 - 6	B10	-
DA 025-006SXB12	3029381E	0,25 (.34)	550	6 (.24)	1,1 (2.43)	10 (.39)	10 (.39)	0,8 - 10	B12	-
DA 025-011SXB12	3029381D	0,25 (.34)	1 100	6 (.24)	1,1 (2.43)	8 (.31)	10 (.39)	0,8 - 10	B12	-
DA 025-021SXB12	3029381C	0,25 (.34)	2 100	6 (.24)	1,0 (2.20)	6 (.24)	10 (.39)	0,5 - 6	B12	-
DA 025-036SXB12	3029381B	0,25 (.34)	3 600	6 (.24)	1,0 (2.20)	5 (.20)	8 (.31)	0,5 - 6	B12	-

Model	Part No.	Power output	Speed (no load)	Tapping into steel to	Reaming up to	Tapping into steel to	Milling of pipes	I.D. of air inlet hose	Weight without air connection	MORSE taper
		kW (hp)	min ⁻¹ /rpm	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	kg (lbs)	

Drills with MORSE taper (or with drill chuck) for drilling, reaming and counter-sinking operations in tight access areas. When using these drills with the optional available grip-tube, these drills may also be used as a universal drill with equally beneficial results. All angle-drills are equipped with a feed-spindle that is also used for the removal of the drill bit. As an optional feature, we can offer the models DA 150 to DA 220 with a ratchet instead of the pilot-wheel. For extreme tight access areas, we offer reduced profile drill designs, without feed-spindle or pilot-wheel. All models of the design DA 150 to DA 220 are additionally equipped with a speed-regulator, which helps to reduce the air consumption when idling.

Right-rotating drills with MORSE taper

480 W - 2,2 kW (.64 - 2.95 HP)

DA 048-010YMK1	3014471A	0,48 (.64)	1 000	15 (.59)	12 (.47)	-	-	10 (.39)	2,9 (6.39)	1
DA 150-004YMK2	3010671A	1,5 (2.01)	400	23 (.91)	18 (.71)	-	-	15 (.59)	8,3 (18.30)	2
DA 210-004YMK3	3010681A	2,1 (2.82)	400	32 (1.26)	27 (1.06)	-	-	15 (.59)	11,7 (25.79)	3
DA 220-003YMK4	3010691A	2,2 (2.95)	300	50 (1.97)	36 (1.42)	-	-	19 (.75)	13,9 (30.64)	4

Reversible drills with MORSE taper

2,2 kW (2.95 HP)

DA 220-004YRMK4	3010701A	2,2 (2.95)	400	55 (2.17)	50 (1.97)	40 (1.57)	55 (2.17)	19 (.75)	17 (37.48)	4
DA 220-002YRMK5	3015531A	2,2 (2.95)	180	80 (3.15)	75 (2.95)	80 (3.15)	120 (4.72)	19 (.75)	21,7 (47.84)	5

Right-rotating drill with drill chuck B16 (drill chuck clamping capacity 1 - 13 mm)

480 W (.64 HP)

DA 048-010YB16	3014471C	0,48 (.64)	1 000	13 (.51)	-	-	-	10 (.39)	3,9 (6.60)	-
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DA 020-040SZC



DA 025-140SXC



DC 020-040SZC



DA 020-005SXB10



DA 220-004YRMK4



DA 048-010YB16

Advantages:

- for industrial applications
- ergonomic
- optimum power-to-weight ratio
- simple operation
- various angle-heads (90°, 150°)
- customer-specific solutions (modular)



DA 220-003YMK4

Specifications at 90 psi (6,3 bar).



DRILLS - Pistol-Grip, Power Output 170 W - 1,85 kW (.23 - 2.48 HP)

Drills with pistolgrip - for the optimum drilling of different materials - for the operation in the aviation- and automotive industry, as well as the machine building industry

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	Drilling into steel to mm (in)	Drilling into alu to mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Chuck range mm	Drill chuck / Spindle thread
DP 017-040ZB10	3020181A	0,17 (.23)	4 000	4 (.16)	6 (.24)	6 (.24)	0,6 (1.32)	0,5 - 6	B10 / -
PV 6A	826290 A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	B10 / -
PV 6AH	6060081A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	B10 / -
PV 6A-B	830500A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	- / 3/8"x24
PV 6A-BH	6060082A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	- / 3/8"x24
PV 6E	826290 B	0,21 (.28)	5 000	6 (.24)	8 (.31)	8 (.31)	0,7 (1.54)	0,5 - 10 Q	- / 3/8"x24
PV 6EH	6060083A	0,21 (.28)	5 000	6 (.24)	8 (.31)	8 (.31)	0,7 (1.54)	0,5 - 10 Q	- / 3/8"x24
DP 029-170ZPB10	3027101F	0,29 (.39)	17 000	-	6 (.24)	6 (.24)	0,9 (1.98)	0,5 - 6,5	B10 / -
DP 029-045ZPB10	3027101A	0,29 (.39)	4 500	4 (.16)	6 (.24)	6 (.24)	1,0 (2.20)	0,5 - 6,5	B10 / -
DP 029-045ZB10Q	3027101C	0,29 (.39)	4 500	4 (.16)	6 (.24)	6 (.24)	1,0 (2.20)	- 1)	B10 / -
DP 029-021ZPB12	3027101B	0,29 (.39)	2 100	6 (.24)	8 (.31)	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP 029-021ZB12Q	3027101D	0,29 (.39)	2 100	6 (.24)	8 (.31)	6 (.24)	1,0 (2.20)	- 2)	B12 / -
DP 029-015ZPB12	3027101E	0,29 (.39)	1 500	8 (.31)	10 (.39)	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP 029-007ZPB12	3027101G	0,29 (.39)	700	10 (.39)	-	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP 029-004ZPB12	3027101H	0,29 (.39)	350	10 (.39)	-	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP 030-020ZRB12	6061165A	0,3 (.4)	2 000	6 (.24)	8 (.31)	8 (.31)	1,0 (2.20)	1 - 10	B12 / -
PV 13C	830500 B	0,35 (.47)	350	13 (.51)	13 (.51)	10 (.39)	2,0 (4.41)	2 - 13	- / 1/2" UNF
DP 040-005ZB16	302965 A	0,4 (.54)	470	13 (.51)	13 (.51)	10 (.39)	2,3 (5.07)	1 - 13	B16 / -
PV 13B	8262914 A	0,5 (.67)	1950*	13 (.51)	13 (.51)	10 (.39)	2,5 (5.51)	2-13 Q	- / 1/2" UNF
PV 16B	826292 A	0,5 (.67)	850*	16 (.63)	23 (.91)	10 (.39)	3,2 (7.05)	3 - 16	B16 / -
DP 060-037ZP3/8"	6061155A	0,6 (.8)	3 700	10 (.39)	10 (.39)	10 (.39)	1,1 (2.65)	0,8 - 10	- / 3/8"x24
DP 060-060ZP3/8"	6061155B	0,6 (.8)	6 000	10 (.39)	10 (.39)	10 (.39)	1,1 (2.65)	0,8 - 10	- / 3/8"x24
PVR 32A-04X	830500 C	1,45 (1.94)	380	32 (1.26)	32 (1.26)	19 (.75)	9,5 (20.94)	-	-
PV 32A-04X	827119 A	1,85 (2.48)	380	32 (1.26)	32 (1.26)	19 (.75)	9,5 (20.94)	-	-

* Reduction of free speed by 25% possible

1) The drill is equipped with a quick-change drill chuck (capacity 0 - 6,5 mm)

2) The drill is equipped with a quick-change drill chuck (capacity 0 - 8 mm)

Remark: Q - quick change chuck

Specifications at 90 psi (6,3 bar).



PV 6A



DP 030-020ZRB12



PV 16B



DP 060-037ZP3/8"



PV 32A-04X



DP 029-021ZB12Q



DP 040-005ZB16

Advantages:

- for industrial applications
- optimum power-to weight ratio
- ergonomic
- simple operation
- reversible

TAPPERS - Inline Design / Pistol-Grip, Power Output 150 - 700 W (.20 - .94 HP)

Tappers - for the tapping of threads, as well as the cleaning of threads in materials such as steel, aluminum and other alloys for applications in the automotive- and machine building industries.

The tappers are equipped with a flexible chuck that perfectly guides the tap-insert and cuts a straight thread, even if the tapper is held at a slight angle.

Model	Part No.	Power output kW (hp)	Speed (no load) rechts min ⁻¹ /rpm	Speed (no load) links min ⁻¹ /rpm	Tapping into steel mm	Tapping into alu mm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	Tap holder capacity mm	Taper DIN 238 mm
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DS 070-003BXR B16

Tappers - inline design

- Start and reverse by toggle lever or dual-trigger
- For right / left thread cutting, suitable for cutting of blind hole (optional accessories)
- The reverse trigger is activated by push-pull at almost double the speed
- Ideal tools for vertical applications
- The exchange of the tap-insert is easily done by a quick-change chuck.

DS 040-007BXR B12	3027701A	0,25 (.34)	650	1 120	M6	M8	6 (.24)	1,5 (3.31)	3 - 9	B12
DS 070-003BXR B16	3028201B	0,7 (.94)	320	550	M14	M16	10 (.39)	2,9 (6.39)	3 - 9	B16



DP 015-006ZRB 10

Tappers - pistolgrip

- Start and reverse by trigger
- For right / left thread cutting, suitable for cutting of blind hole (optional accessories)
- For different tapping applications

DP 015-006ZRB 10	3235131C	150 (.20)	620	660	M5	M6	6 (.24)	0,8 (1.76)	3 - 9	B10
DP 030-007ZRB 12	3023731A	0,3 (.40)	650	550	M8	M10	6 (.24)	1,5 (3.31)	3 - 9	B12
DP 040-003ZRB 16	302964 A	400 (.54)	300	250	M14	M14	10 (.39)	2,4 (5.29)	3 - 9	B16

Specifications at 90 psi (6,3 bar).

Advantages:

- for industrial applications
- highly durable
- simple operation
- reversible
- optimum power-to-weight ratio



DS 040-007BXR B12



DP 040-003ZRB 16



IMPACT TOOLS - with Pistol-Grip / with Fist-Grip

Impact tools - for the effective tightening and loosening of fasteners or screws, size M10 to M30 in mass-production environments, which demand high performance, utmost reliability and operational efficiency in the automotive- and machine building industries

Model	Part No.	For screw	Max. torque capability Nm (ft.lbs)	Working torque range Nm (ft.lbs)	Speed (no load) min ⁻¹ /rpm	Impacts Hz	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
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Impact tools - with pistolgrip

- Maximum power - maximum efficiency - ideal for repetitive production e.g. in the automotive industry
- 3-step torque adjustment
- The special robust construction of our impact tools assures a reliable operation in industrial areas with 24/7 operations.

SMP 030-1/2"ZA	6061166A	M10 - M16	300 (221)	120 - 260 (89 - 192)	15 000	20	10 (.39)	1,5 (3.31)
SMP 085-1/2"ZA	6061149A	M12 - M22	850 (627)	200 - 650 (148 - 480)	9 900	23	10 (.39)	2,5 (5.51)
SMP 110-3/4"ZA	6061210A	M10 - M30	1 100 (811)	150 - 920 (111 - 679)	6 000	15	12 (.47)	4,7 (10.36)

Impact tool - with fistgrip

- Maximum power - maximum efficiency - ideal for repetitive production e.g. in the automotive industry
- 3-step torque adjustment
- The special robust construction of our impact tools assures a reliable operation in industrial areas with 24/7 operations.

SMS 265-1"ZA	6061222A	M24 - M45	2 650 (1963)	1 200 - 2 500 (889 - 1852)	6 000	13	16 (.63)	10,4 (22.93)
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Specifications at 90 psi (6,3 bar).



SMP 110-3/4"ZA



SMS 265-1"ZA

3-step torque adjustment

Our impact tools are equipped with a 3-level power limiter, where the first setting is the max.torque, the second setting reduces the torque to 50% and the third setting corresponds to 30% of the max. torque.



Reversible screwdriver - inline design - for the effective tightening and loosening of fasteners or screws, size M3 to M6

Model	Part No.	For screw	Torque adjustable - min. / max. Nm (ft.lbs)	Max. torque adjustable without clutch disconnecting Nm (ft.lbs)	Speed (no load) min ⁻¹ /rpm	Bit - dimensions mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
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Reversible screwdriver - inline design

Manual tightening and loosening of screws and nuts, screwdriver is not suitable for self-drilling and tapping screws.

This tool features a standard 6,35 mm (1/4") power drive for the use of standard bits

PRU 6	6060773A	M3 - M6	1,5 / 5,5 (1.1 / 4.1)	6 (4.4)	750	3, 4, 5, 6 (.12, .16, .2, .24)	8 (.31)	0,9 (1.98)
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Specifications at 90 psi (6,3 bar).



PRU 6



SMP 085-1/2"ZA



PRU 6

Advantages - impact tools:

- for industrial applications
- high power (TwinHammer impact mechanism, revolutionary motor design)
- ergonomic execution
- efficient
- 3-step torque adjustment
- low weight
- low vibration and emission level
- maximum life-time and reliability

Advantages - reversible screwdriver:



- for industrial applications
- ergonomic
- efficient
- simple operation

HAMMERS - Drill Hammers, Chipping Hammers, Riveting Hammers

We offer all kinds of air tools for quarries, construction and foundries.
Select the most suitable hammer in accordance with the necessary application:

- Chisel and demolition work, jointing, plastering
- Cleaning of casted parts, removal of cast-on sections
- Removal of rust on large areas
- Crushing of semi-solid and loose materials, such as concrete, pavement, stonework, etc.
- Stamping of formed and bulk materials, such as used in the mold and cast industry
- Simple and complicated demolition, caulking, trimming, breaking, removal of plaster and different kinds of floor coverings, for the removal of casting flash



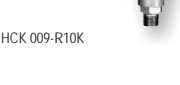


Drill hammers - with heavy-metal hammer drills for the drilling of foundation- and dowel holes, as well as with non-rotational drill- and flat chisels for operations on pipes and cable ducts, some hammers can be used with drill-rods and drill-crowns for operation in the construction industry

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)	
Drill hammers						
The drill hammer of type HD 034-HR19B, when equipped with heavy hammer-drills, can be used for the drilling of foundation- and dowel holes, and when equipped with non-rotational drill- and flat-chisel, to work on pipes and cable ducts. The hammers HD130-H22B and HD170-H22B equipped with drill-rods and drill-crowns, are well suited for operation in the construction industry and in mining. Both hammers are equipped with a central air-flush system. All drill hammers are equipped with a holding cap or retainer bracket to hold the chisel securely to the equipment.						
 HD 130-H22B	HD 034-HR19B	8118001A	Round hex. 19/15x89 Round 19x89	3 500	10 (.39)	3,4 (7.50)
	HD 130-H22B	8087111A	Hex 22x82	2 100	15 (.59)	13,5 (29.76)
 HD 170-H22B	HD 170-H22B	8087121A	Hex 22 x 82	2 040	15 (.59)	17 (37.48)

Specifications at 90 psi (6,3 bar).

Chipping hammers - for light breaking through walls, for demolition, mortising, removal of plaster, as well as for cleaning of castings and for the detaching of cast-sections, the smaller hammers are primarily used in the die casting-, container construction-, ship building-, bridge-, aviation- and construction industry, as well as in foundries and welding shops

Riveting hammers - for rivet busting and rivet-removal in the steel-construction, in boilers, containers and on ships.

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	Rivet-Ø - alu mm (in)	Rivet-Ø - steel mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
Chipping and riveting hammers, with protection cap							
Our hammers are used in the die casting-, container construction, ship building-, bridge- and construction industry, as well as in foundries and welding shops, and for rivet busting and rivet-removal in the steel-construction, in boiler, containers and on ships etc.							
Inline design							
 HCK 009-R10S	HCK 009-R10S	2102291A	Ø 10,3x36	4 000	3 (.12)	2 (.08)	0,9 (1.98)
	HCK 009-HR12S	2102291B	Ø-hex. 11,7/10x36	4 000	3 (.12)	2 (.08)	0,9 (1.98)
Offset handle design							
 HCK 009-R10K	HCK 009-R10K	2102281A	Ø 10,3x36	4 000	3 (.12)	2 (.08)	0,9 (1.98)
	HCK 009-HR12K	2102281B	Ø-hex. 11,7/10x36	4 000	3 (.12)	2 (.08)	0,9 (1.98)
 HC 007-R10S	Chipping and riveting hammers, with retainer spring						
	Our hammers are used in the die casting-, container construction, ship building-, bridge- and construction industry, as well as in foundries and welding shops, and for rivet busting and rivet-removal in the steel-construction, in boiler, containers and ships etc.						
Inline design							
 HC 007-HR12S	HC 007-R10S	2101921A	Ø 10,3x36	4 000	3 (.12)	2 (.08)	0,7 (1.54)
	HC 007-HR12S	2101921B	Ø-hex. 11,7/10x36	4 000	3 (.12)	2 (.08)	0,7 (1.54)
Offset handle design							
 HC 017-HR14K	HC 008-R10K	2101911A	Ø 10,3x36	4 000	3 (.12)	2 (.08)	0,8 (1.76)
	HC 008-HR12K	2101911B	Ø-hex. 11,7/10x36	4 000	3 (.12)	2 (.08)	0,8 (1.76)
	HC 010-R14K	2103431A	Ø 14,3 x 50	3 000	5 (.20)	3 (.12)	1,3 (2.87)
	HC 010-HR14K	2103431B	Ø-hex. 14,3/12,5x50	3 000	5 (.20)	3 (.12)	1,3 (2.87)
	HC 017-R14K	2103451A	Ø 14,3 x 50	2 000	6 (.24)	5 (.20)	1,7 (3.75)
	HC 017-HR14K	2103451B	Ø-hex. 14,3/12,5x50	2 000	6 (.24)	5 (.20)	1,7 (3.75)



HAMMERS - Chipping Hammers, Riveting Hammers, Pick Hammers

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	Rivet-Ø	Rivet-Ø	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
				- alu mm (in)	- steel mm (in)		
With pistolgrip							
HC 007-R10P	2104091A	Ø 10,3x36	4 000	-	-	6 (.24)	0,7 (1.54)
HC 007-HR12P	2104091B	Ø-hex. 11,7/10x36	4 000	-	-	6 (.24)	0,7 (1.54)
HC 008-R10P	2103682A	Ø 10,3x36	3 500	3 (.12)	2 (.08)	6 (.24)	0,8 (1.76)
HC 008-HR12P	2103682B	Ø-hex. 11,7/10x36	3 500	3 (.12)	2 (.08)	6 (.24)	0,8 (1.76)
Fist grip design							
HC 010-R14D	2103441A	Ø 14,3x50	3 000	5 (.20)	3 (.12)	10 (.39)	1,9 (4.19)
HC 010-HR14D	2103441B	Ø-hex. 14,3/12,5x50	3 000	5 (.20)	3 (.12)	10 (.39)	1,9 (4.19)
HC 023-R14D	2103461A	Ø 14,3x50	2 000	6 (.24)	5 (.20)	10 (.39)	2,3 (5.07)
HC 023-HR14D	2103461B	Ø-hex. 14,3/12,5x50	2 000	6 (.24)	5 (.20)	10 (.39)	2,3 (5.07)
Riveting hammer with retainer spring							
- for rivet busting and rivet-removal in the steel-construction, in boilers, containers and ships, especially for extrem riveting works							
HCD 140-R20V	8119841 A	Ø 31x70	750	25 (.98)	25 (.98)	16 (.63)	13,8 (30.42)
Chipping hammers							
- in the building industry (light chipping- and demolition work, grooving, cleaning-off, plaster removal), foundry industry (cleaning of castings, chipping of discard beads and welds), and in stone industry (wedging, dressing etc.). Our chipping hammer of type HC 040-H19B is equipped with a needle scalling-down hammer, that is designed as an adapter within the framework of optional accessories - primarily for removal of rust from larger flat surfaces and of the undesirable deposits on stone buildings, sculptures, bridges, etc.							
Inline design							
HC 010-H10B	6060006A	hex. 10x25	9 000	-	-	6 (.24)	1,0 (2.20)
With pistolgrip							
HC 012-H14B	831332 A	hex. 14x25	4 500	-	-	8 (.31)	1,2 (2.65)
With lever							
HC 040-H19B	6060008A	hex. 19x50	2 700	-	-	13 (.51)	4,0 (8.82)
HC 040-R20B	6060008C	Ø 20x60	2 700	-	-	13 (.51)	4,0 (8.82)
HC 040-HR20B	6060008B	hex. Ø 20/17x60	2 700	-	-	13 (.51)	4,0 (8.82)
HC 050-H19B	6060009A	hex. 19x50	2 500	-	-	13 (.51)	5,0 (11.02)
HC 050-R20B	6060009C	Ø 20x60	2 500	-	-	13 (.51)	5,0 (11.02)
HC 050-HR20B	6060009B	hex. Ø 20/17x60	2 500	-	-	13 (.51)	5,0 (11.02)
HC 057-H19B	6060010A	hex. 19x50	2 100	-	-	13 (.51)	5,7 (12.57)
HC 057-R20B	6060010C	Ø 20x60	2 100	-	-	13 (.51)	5,7 (12.57)
HC 057-HR20B	6060010B	hex. Ø 20/17x60	2 100	-	-	13 (.51)	5,7 (12.57)
With retainer spring							
HC 080-R20V	8119811C	Ø 20x60	1 400	-	-	13 (.51)	7,8 (17.20)
HC 080-HR20V	8119811E	hex. Ø 20/17x60	1 400	-	-	13 (.51)	7,8 (17.20)

Specifications at 90 psi (6,3 bar).



HC 008-R10P



HC 023-HR14D



HCD 140-R31V



HC 010-H10B



HC 012-H14B



HC 040-H19B



HC 080-HR20V

Pick hammers - with drill-, or flat chisels to demolish stonework and concrete, for the use in road-construction and tunneling, as well as in mining

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	I.D. of	Weight without air connection kg (lbs)
				air inlet hose mm (in)	
Pick hammers					
- due to the weight of these hammers, it is possible to work in a vertical- or inclined plane - in quarries and in the building industry					
HP 090-R25B	6060011A	Ø 25x75	1 590	16 (.63)	9,0 (19.84)
HP 090-H22B	6060012A	hex. 22x82	1 590	16 (.63)	9,0 (19.84)
HP 100-H22B	6060013A	hex. 22x82	1 590	16 (.63)	9,0 (19.84)
HP 100-R25V	6060014A	Ø 25x75	2 040	16 (.63)	10,0 (22.05)
HP 101-R25B	2501841A	Ø 25x75	1 200	16 (.63)	10,3 (22.71)
HP 101-R25D	2501841B	Ø 25x75	1 200	16 (.63)	10,3 (22.71)
HP 120-R25V	6060015A	Ø 25x75	1 260	16 (.63)	12,0 (26.46)
HP 130-R25B	6060016A	Ø 25x75	1 260	16 (.63)	13,0 (28.67)

Specifications at 90 psi (6,3 bar).



HP 090-H22B

HAMMERS - Spade (Breaking) Hammers, Impact Hammers; Scaler

Spade (breaking) hammers - with drill-, or flat chisels to demolish stonework and concrete, for the use in road-construction and tunneling, as well as in mining, when using the hammers with a spade, they are best suited for heavy excavations, rubble-removal, asphalt demolishing or to dig ditches

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
Spade (breaking) hammers - due to the weight of these hammers, it is possible to work in a vertical- or inclined plane - in quarries and in the building industry					
HB 150-H22V	6060017A	hex. 22x82	1 080	16 (.63)	15,0 (33.07)
HB 200-H25V	6061028A	hex. 25x108	1 200	16 - 20 (.63 - .79)	20,0 (44.09)
HB 250-H25V	6061029A	hex. 25x108	1 440	16 - 20 (.63 - .79)	25,0 (55.12)
HB 300-H32V	6060019A	hex. 32x160	1 320	16 (.63)	30,0 (66.14)



HB 150-H22V

Specifications at 90 psi (6,3 bar).

Impact hammers - for the forming of materials, especially in the foundries and wherever bulk materials need to be compacted

Model	Part No.	Impacts min ⁻¹ /rpm	Piston stroke mm (in)	Piston-Ø mm (in)	MORSE taper	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
Impact hammers with MORSE taper The rammers are used in many applications, such as the scaling of forgings when used with tampered- or rubber butts, the cleaning of Open-Hearth- or Electric Ovens, for the compacting of concrete and dirt during construction, as well as for fabrication in the cement- and stone production. The light-weight rammer HR 042-MK2B is also well-suited for operation in the core production. The hammer HR 025-R40B is especially suitable for table-top operation or for small surfaces, e.g. for ramming small core boxes, etc. Other hammers are used for ramming mold materials and wherever loose materials is being processed. Your advantage of design V: Low vibrations.							
HR 025-R40B	6060020A	1 200	80 (3.15)	20 (.63)	-	10 (.39)	2,5 (5.51)
HR 085-R60V	6060021A	870	220 (8.67)	32 (1.26)	2	13 (.51)	8,5 (18.74)
HR 105-R60V	6060022A	780	140 (5.51)	36 (1.42)	2	13 (.51)	10,5 (23.15)
HR 042-MK2B	2701441A	850	120 (4.72)	28 (1.10)	2	13 (.51)	4,2 (9.26)
HR 069-MK2B	2701091A	850	120 (4.72)	28 (1.10)	2	13 (.51)	6,9 (15.21)
HR 093-MK2B	2701571A	650	160 (6.30)	32 (1.26)	2	13 (.51)	9,3 (20.50)



HR 025-R40B



HR 042-MK2B

Specifications at 90 psi (6,3 bar).

Scaler - in construction areas, for light concrete breaking, de-calking, cutwork, removal of plaster and all kinds of floor coverings, but also for other areas, such as the de-barking of trees or removal of burrs and street asphalt

Model	Part No.	Type of chisel shank mm	Impacts min ⁻¹ /rpm	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
Scaler - a wide range of applications on the basis of selected tools (e.g. light demolition works, grooving, punching, removal of chips in foundries, etc.)					
HS 043-H19B	6060023A	hex. 19x50	2 700	13 (.51)	8,5 (18.74)

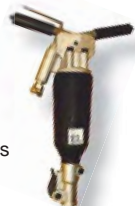


HS 043-H19B

Specifications at 90 psi (6,3 bar).

Advantages:

- for industrial applications
- highly durable
- simple operation
- robust



HB 150-H22V



HC 010-H10B



HR 093-MK2B



NEEDLE SCALERS - Inline Design, Pistol-Grip

Needle scalers - for the removal of welding seams, for de-rusting of steel constructions and containers, for removal of paint and scale, for the cleaning of castings, for the cleaning of facades in construction and for the abrading of concrete

Model	Part No.	Needle quantity	Needles dimensions	Impacts	I.D. of air inlet hose	Weight without air connection
		pcs	mm (in)	min ⁻¹ /rpm	mm (in)	kg (lbs)

Needle scaler - inline design

- For light- and semi-heavy applications
- For applications where a pistol grip cannot reach the location to be fabricated

SN 23	831125 A	12	Ø 3x180 (Ø.12x7.09)	4 000	10 (.39)	2,4 (5.29)
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Needle scalers with pistol grip

- For material removal, de-rusting and for simple cleaning operations (type SN 10)
- For semi-heavy operations (type SN 25)
- For heavy-duty operations (type SN 30)

SN 10	831124 A	29	Ø 2x150 (Ø.08x5.91)	4 000	10 (.39)	1,4 (3.09)
SN 25	831126 A	23	Ø 3x180 (Ø.12x7.09)	4 000	10 (.39)	2,7 (5.95)
SN 30	831127 A	28	Ø 3x180 (Ø.12x7.09)	4 500	10 (.39)	3,5 (7.72)

Specifications at 90 psi (6,3 bar).



SN 23



SN 10



SN 30

Advantages:

- for industrial applications
- highly durable
- high power and low vibrations
- ergonomic

PLIERS - for Cutting

Pneumatic pliers for the use of:

- Cutting Cu, Al, Ag, plastic materials (PVC, PF) and steel max. 400 N/mm²/ 25 long tons/sq.in
- Simultaneous cutting and wire-end flattening or
- Simultaneous cutting and 90°angle forming of wire ends of electronic components
- Pressing of cable joints
- Pliers are suited especially for the use in mass production, where a person can suffer sustained, long-lasting and monotonous stress in performing tasks such as assembling clips or cutting wires with manual tools. Such working conditions may result in RSI (repetitive strain injury). By replacing manual tools with our pneumatic pliers the workers will be protected against negative effects of mass production workplace.

Pliers for cutting - for the industrial use for example in series production, in the automotive industry, in machine building industry, in the appliance industry as well as in maintenance and assembly departments

Model	Part No.	Pliers insert, mounted (optional accessories - see side 27)	Weight (without plier insert) kg (lbs)	I.D. of air inlet hose mm (in)
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Pliers for cutting - with trigger and integrated lever-lock to avoid unintentional start

- For the cutting of copper, aluminum, beryllium, silver, thermo/duroplast and steel
- Special pliers for cutting as well as for other operations (e.g. wire-end flattening; 90°angle forming or wire ends of electronic components)



P0452Z-C00

P0181Z-C00	8076711A	no (plier insert I18.)	0,08 (.18)	6 (.24)
P0241Z-C00	8076721A	no (plier insert I24.)	0,15 (.33)	6 (.24)
P1361Z-C00	6061207A	no (plier insert I36.)	0,48 (1.06)	6 (.24)
P1362Z-C00	6061208A	no (plier insert I36.)	0,59 (1.30)	6 (.24)
P0452Z-C00	8076901A	no (plier insert I45.)	1,04 (2.29)	6 (.24)



P383X-C00

Pliers for cutting, with safety lever, for heavy-duty applications - for increased longevity

- For the cutting of copper, aluminum, beryllium, silver, thermo/duroplast and steel
- Special pliers for cutting as well as for other operations (e.g. wire-end flattening; 90°angle forming or wire ends of electronic components)

P0282X-C00	8249651A	no (plier insert I28.)	0,5 (1.10)	6 (.24)
P0283X-C00	8249651C	no (plier insert I28.)	0,6 (1.32)	6 (.24)
P0382X-C00	8272051A	no (plier insert I38.)	0,65 (1.43)	6 (.24)
P0383X-C00	6061225A	no (plier insert I38.)	0,8 (1.76)	6 (.24)
P0452X-C00	8258171B	no (plier insert I45.)	1,0 (2.20)	6 (.24)
P0453X-C00	8258171A	no (plier insert I45.)	1,15 (2.53)	6 (.24)

Specifications at 90 psi (6,3 bar).



Pliers for sealing and stamping seals

DEPRAG CZ a.s. offers air pliers for sealing and stamping seals. For more informations contact please our product specialists.



P0181Z-C00



P0453X-C00

Advantages:

- high power, maximal cutting power up to 8 700 N
- simple operation
- highly durable
- pliers inserts are available in two executions



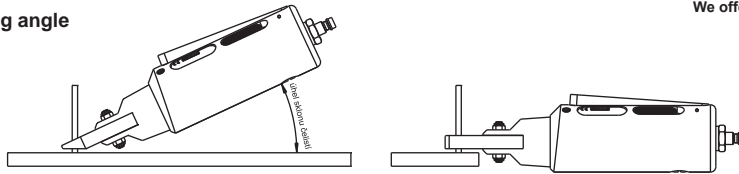
PLIER INSERTS for Cutting Pliers (Optional Accessories)

DEPRAG plier inserts are available with straight- or angled cutting blades. They can be designed for angled cuts or straight cuts and are even available as replaceable triangular cuts. To cut metals, one side of the insert is machined as an edge and the other is designed to be the counter-holder (the anvil). Synthetic materials require a different cutting technology: Both sides of the insert are designed with an edge.

Type of plier insert	Part No.	Max. inserts opening mm (in)	Cutting angle *)	Cutting capacity - Ø **) mm (in)	Cutting geometry see below
for type P0181Z-C00					
I18C00	822306	3,2 (.13)	without angle	3 (.12)	A
I18C00H2	6950285	3,2 (.13)	without angle	3 (.12)	B
I18C00HK2	6950286	3,2 (.13)	without angle	3 (.12)	C
I18C25	6950133	3,2 (.13)	25	2,8 (.11)	A
I18C25H2	6950287	3,2 (.13)	25	2,8 (.11)	B
I18C25HK2	6950271	3,2 (.13)	25	2,8 (.11)	C
for type P0241Z-C00					
I24C00	807679	5 (.20)	without angle	2 (.08)	A
I24C00H2	6950288	5 (.20)	without angle	4,5 (.18)	B
I24C00HK2	826648	5 (.20)	without angle	4,5 (.18)	C
I24C21	807678	5 (.20)	21	3 (.12)	A
I24C21H2	6950289	5 (.20)	21	4,5 (.18)	B
I24C21HK2	807809	5 (.20)	21	3 (.12)	C
for type P0282X-C00, P0283X-C00					
I28C00	829827	9,5 (.37)	without angle	8 (.31)	A
I28C00H2	6950290	9,5 (.37)	without angle	8 (.31)	B
I28C00HK2	6950165	9,5 (.37)	without angle	8 (.31)	C
I28C30	826268	9,3 (.37)	30	8 (.31)	A
I28C30H2	6950291	9,3 (.37)	30	8 (.31)	B
I28C30HK2	829826	9,3 (.37)	30	8 (.31)	C
for type P1361Z-C00, P1362Z-C00					
I36C00	807681	14,5 (.57)	without angle	12 (.47)	A
I36C00H2	6950071	14,5 (.57)	without angle	12 (.47)	B
I36C00HK2	807389	14,5 (.57)	without angle	12 (.47)	C
I36C25	6950073	14,5 (.57)	25	12 (.47)	A
I36C25H2	6950072	14,5 (.57)	25	12 (.47)	B
I36C25HK2	807528	14,5 (.57)	25	12 (.47)	C
for type P0382X-C00, P0383X-C00					
I38C00	829830	15 (.59)	without angle	12,5 (.49)	A
I38C00H2	6950292	15 (.59)	without angle	12,5 (.49)	B
I38C00HK2	827204	15 (.59)	without angle	12,5 (.49)	C
I38C25	829829	11,5 (.45)	25	9 (.35)	A
I38C25H2	832172	11,5 (.45)	25	9 (.35)	B
I38C25HK2	827418	11,5 (.45)	25	9 (.35)	C
for type P0452Z-C00, P0452X-C00, P0453X-C00					
I45C00	807692	10,5 (.41)	without angle	9 (.35)	A
I45C00H2	6950214	10,5 (.41)	without angle	9 (.35)	B
I45C00HK2	6950137	10,5 (.41)	without angle	9 (.35)	C
I45C30	6950159	10,5 (.41)	30	9 (.35)	A
I45C30H2	6950293	10,5 (.41)	30	9 (.35)	B
I45C30HK2	801234	10,5 (.41)	30	9 (.35)	C

**) The stated value is just a theoretical figure, describing the max. diameter which can be inserted in the plier inserts. This value is derived from the geometrical dimensions and does not mean that the pliers are able to cut it. The max. cutting diameter depends on the material.

*) Cutting angle



We offer other special custom-made plier inserts to fit your application.

Cutting geometry





A	B	C
<p>Application: Plastics, copper, soft aluminium, small cross-sections, steel</p> <p>Characteristics: Both jaw inserts made from hardened material, upper jaw has a sharp edge, lower jaw is flat (no edge)</p>	<p>Application: Hard, reinforced plastics (GFK), steel (limited), reinforced copper, larger cross-sections</p> <p>Characteristics: Both jaw inserts made from hardened material, both jaws have an edge in V-form</p>	<p>Application: Hard, reinforced plastics (GFK), reinforced copper, larger cross-sections, for flush cuts</p> <p>Characteristics: Both jaw inserts made from hardened material, both jaws have a sharp edge</p>

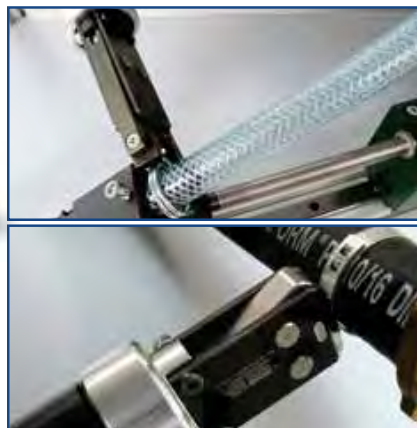
PLIERS - for Mounting of CLIC-, Hose-, COBRA- or Spring Clamps

Pliers to mount clamps - for the industrial use for example in mass-production, in the automotive industry, in machine building industry, in the appliance industry as well as in maintenance and assembly departments

Model	Part No.	Width of clamp mm (in)	Insert opening, adjustable	Max. opening width mm (in)	Min. closing width mm (in)	Weight (with plier insert) kg (lbs)	I.D. of air inlet hose mm (in)
Pliers for CLIC-clamps							
• With safety lever							
• With integrated plier inserts							
P0383X-P00-I90CL06	8215721A	6 (.24)	yes	20 (.63)	2,5 (.10)	0,75 (1.65)	6 (.24)
P0383X-P00-I90CL08	8215721B	8 (.31)	yes	20 (.63)	2,5 (.10)	0,75 (1.65)	6 (.24)
Pliers for hose-clamps							
• With safety lever							
• With integrated plier inserts							
For hose clamps: dia. up to 50 mm (1.97 in)							
P0383X-S00-I90R08	8298331B	7,5 (.30)	yes	13 (.51)	0,8 (.03)	0,65 (1.43)	6 (.24)
P0384X-S00-I90R10	8298331C	10 (.39)	yes	13 (.51)	0,8 (.03)	0,75 (1.65)	6 (.24)
For hose clamps: dia. 50 mm up to 100 mm (dia. 1.97 in up to 3.94 in)							
P0451X-S00-I90R	8074721B	-	yes	12 (.47)	0,8 (.03)	1,0 (2.20)	6 (.24)
P0452X-S00-I90R	8074731A	-	yes	12 (.47)	0,8 (.03)	1,2 (2.65)	6 (.24)
Pliers for COBRA-clamps							
• With safety lever							
• With integrated plier inserts							
P0383X-P00-I90CO	6061212A	9 (.35)	yes	23 (.91)	6,5 (.26)	0,6 (1.32)	6 (.24)
Plier for spring-clamps							
• With safety lever							
• With integrated plier inserts							
For spring clamps: dia. up to 50 mm (1.97 in)							
P0383X-P00-IFE	8247811A	-	yes	62 (2.44)	5 (.20)	0,75 (1.65)	6 (.24)
For spring clamps: dia. 50 mm up to 100 mm (dia. 1.97 in up to 3.94 in)							
P0452X-P00-IFE	8074741A	-	yes	70 (2.80)	5 (.20)	1,25 (2.76)	6 (.24)

Specifications at 90 psi (6,3 bar).

Clamps:	CLIC-clamp	Hose-clamp	COBRA-clamp	Spring-clamp
				



Advantages:

- high power, maximal cutting power up to 4 500 N
- simple operation
- highly durable

SAWS - Jig Saws, Chain Saw

Jig Saws - for hand-guided cutting of different materials, especially metals and plastics e.g. in the machine building or in the wood-fabricating industry

Model	Part No.	Power output	Strokes per min. (no load)	Stroke of saw blade	Max. length of saw blade	Dimensions of saw blade (standard equipment)	I.D. of air inlet hose	Weight (without clamping device)
		kW (hp)	min ⁻¹ /rpm	mm (in)	mm (in)	mm (in)	mm (in)	kg (lbs)

Jig saw - for cutting of metal- and plastic components

- For the cutting of supports, pipes, cables
- The saw can be equipped with an integrated clamping device which allows deeper cutting - up to 300 mm (11.81 in).
- Integrated speed regulator assures perfect and constant cutting conditions

PPP 35AX	830503 A	1,1 (1.48)	380	68 (2.68)	350 (13.78)	300x27x1,6 (11.81x1.06x.06)	19 (.75)	9,0 (19.84)
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Specifications at 90 psi (6,3 bar).



PPP 35AX

Model	Part No.	Power output kW (hp)		Strokes per min. (no load)	Stroke of saw blade	Max. length of saw blade	Dimensions of saw blade (standard equipment)	I.D. of air inlet hose	Weight (without clamping device)
		air pressure 65 psi (4,5 bar)	air pressure 90 psi (6,3 bar)						

Jig saw - for cutting in potentially explosive environments

- All-metal jig saw primarily for use in potentially explosion hazardous environments (mining)
- The saw can be equipped with an integrated clamping device which allows deeper cutting - up to 300 mm (11.81 in).
- Integrated speed regulator assures perfect and constant cutting conditions

SS 150-280BX	6060835A	0,9 (1.21)	1,5 (2.01)	280 *	68 (2.68)	400 (15.75)	300x27x1,6 (11.81x1.06x.06)	19 (.75)	10,8 (23.81)
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*) Recommended number of cycles for cutting of steel of class 11 with cutting speed 27 m/min: 200 min-1. Specifications at 90 psi (6,3 bar).



SS 150-280BX

Chain saw - for the cutting of different materials for varying applications in heavy-duty 24/7 industrial operations, such as the machine building- or in the wood-fabricating industry; the saw can also be used in explosion hazardous environments

Model	Part No.	Power output	Speed (no load)	Max. length of chain bar	Max. cutting diameter	I.D. of air inlet hose	Weight without air connection
		kW (hp)	min ⁻¹ /rpm	mm (in)	mm (in)	mm (in)	kg (lbs)

Chain saw - ATEX-compliant IM2cXIIcIIBT4 (130°C) X

- Chain saw - for a 24/7 operation in both industrial- and manual operations, such as machine building, the wood-fabricating industry and even for the use in potentially explosive environments
- High power output, high cutting speed
- With integrated hand-safety, safety chain brake
- Automatic chain lubrication
- Possible motor speed regulation by lever
- Simple to operate and maintain

SH 150-180BX	60601125A	1,5 (2.01)	18 000	350 (13.78)	340 (13.39) one side 690 (27.17) both sides	16 (.63)	7,6 (16.75)
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Operating pressure - NON EX-area: 90 psi (6,3 bar)
Operating pressure - EX-area: 58 psi (4 bar)



SH 150-180BX

Advantages:

- for industrial applications
- highly durable
- high cutting speed
- robust
- user friendly and powerful



PPP 35AX

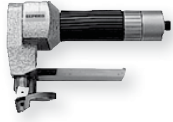


SH 150-180BX



SHEET METAL TOOLS - Metal Shears, Nibblers

Metal shears - for the entire sheet-metal industry, for the processing of metals in the automotive-, container-, and shipbuilding industry, as well as in body shops. The shears can be used for either straight- or curved incisions and are especially well-suited for the cutting of metal sheets and coils



S16-320Y

Model	Part No.	Power output kW (hp)	Max. metal thickness mm (in)				Smallest cutting radius mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
			Steel metal up to 400 N/mm ²	Steel metal up to 600 N/mm ²	Steel metal up to 800 N/mm ²	Aluminium up to 250 N/mm ²			
Metal shears - with a material cutting capacity up to 4,2 mm, twist valve, cutting of curved surfaces is possible, perfect cutting accuracy									
S16-320Y	3240971C	0,32 (.43)	1,6 (.06)	1,2 (.05)	1 (.04)	2 (.08)	15 (.59)	6 (.24)	1,6 (3.53)
S20-180Y	3388471A	0,32 (.43)	2 (.08)	1,6 (.06)	1,4 (.06)	2,5 (.10)	20 (.79)	6 (.24)	1,9 (4.19)

Specifications at 90 psi (6,3 bar).

Nibblers - for cutting of cold-rolled steel, plastic, tin, aluminum, and other metals, instead of shearing or sawing, they can also be used to create interior- and exterior forms and be used for the cutting of profiles and pipes



N50-060X

Model	Part No.	Power output kW (hp)	Max. metal thickness mm (in)				Smallest cutting radius mm (in)	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
			Steel metal up to 400 N/mm ²	Steel metal up to 600 N/mm ²	Steel metal up to 800 N/mm ²	Aluminium up to 250 N/mm ²			
Nibblers for a straight- and curved cutting job of sheet-metal or non-ferrous plates, cutting capacity up to 5 mm, the nibbler is equipped with a hollow punch, which allows the nibbler to move in an unlimited 360-degree directions (turns on the spot).									
N35-060X	3530921A	1,2 (1.61)	3,5 (.14)	2,3 (.09)	1,8 (.07)	3,5 (.14)	7 (.28)	12 (.47)	4,3 (9.48)
N50-060X	3530931A	1,2 (1.61)	5 (.20)	3,2 (.13)	2,5 (.10)	5 (.20)	90 (3.54)	12 (.47)	4,4 (9.70)

Minimum start-hole diameter for interior cuts:
Model N35-060X - 30 mm (1.18 in)
Model N50-060X - 41 mm (1.61 in)

Specifications at 90 psi (6,3 bar).

Advantages:

- high cutting speed
- optimum straight and curve workability
- no deforming of the cut material
- highly durable
- ergonomic



S20-180Y



N35-060X



EXPLOSIVE ENVIRONMENT AIR TOOLS - ATEX-compliant

Impact tools - for the quick and low-fatigue tightening & loosening of screws from M10 to M36; these impact tools are specially well-suited for the tightening of screws in the assembly and maintenance sector, which may also be located in explosive hazardous environments

Model	Part No.	For screw	Max. torque capability Nm	Speed (no load) min ⁻¹ /rpm	Impacts Hz	Square drive size in	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
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Impact tools - with pistolgrip - ATEX-compliant IM2cXII2GDcIICT6(80°C)X

• Safety lever / trigger

SMP 026-1/2"ZEX	6061104A	M10 - M16	260	10 000	14	1/2"	10 (.39)	2,3 (5.07)
SMP 068-3/4"ZEX	6061097A	M14 - M24	680	6 500	14	3/4"	10 (.39)	4,0 (8.82)
SMP 140-3/4"XEX	6061105A	M16 - M30	1 400	4 600	14	3/4"	16 (.63)	8,7 (19.18)

Impact tool - inline design with fistgrip - ATEX-compliant IM2cXII2GDcIICT6(80°C)X

• Safety lever

SMS 210-1"XEX	6061106A	M20 - M36	2 100	3 600	11	1"	16 (.63)	10,5 (23.15)
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Specifications at 90 psi (6,3 bar).



SMP 026-1/2"ZEX



SMS 210-1"XEX

Rock drill - for manual drilling equipped with a drill bit (not supplied with the tool), for soft- and semi-solid soil, slate, clay, or other soft rocks located in explosive hazardous environments

Model	Part No.	Power output W (hp)	Speed (no load) min ⁻¹ /rpm	Max. Ø of the core drill mm (in)	Recommended Ø of core drill mm (in)	I.D. of air inlet hose mm (in)	I.D. of water inlet hose mm (in)	Weight without air connection kg (lbs)
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Rock drill, right rotated - ATEX-compliant IM2cXII2GDcIICT6(80°C)X

• Safety lever

• The machine incorporates a central water-flush features that reduces the dust generation caused by drilling.

DP 220-011BXOEX	6061107A	2,2 (2.95)	1 100	42 (1.65)	38-42 (.50-1.65)	19 (.75)	6 (.24)	7,6 (16.75)
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Specifications at 90 psi (6,3 bar).



DP 220-011BXOEX

Chain saw - for the cutting of different materials in varying applications - for the use in heavy-duty 24/7 industrial operations, such as the machine building- or wood-fabricating industry; the saw may also be used in explosion hazardous environments

Model	Part No.	Power output kW (hp)	Speed (no load) min ⁻¹ /rpm	Max. length of chain bar mm (in)	Max. cutting diameter mm (in)	I.D. of air inlet hose mm (in)	Weight (without clamping device) kg (lbs)
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Chain saw - ATEX-compliant IM2cXII2GDcIICT6(130°C) X

• Chain saw - for a 24/7 operation in both industrial- and manual operations, such as machine building, the wood-fabricating industry and even for the use in potentially explosive environments

- High power output, high cutting speed
- With integrated hand-safety and safety chain brake
- Automatic chain lubrication
- Possible motor speed regulation by lever
- Simple to operate and maintain

SH 150-180BX	60601125A	1,5 (2.01)	18 000	350 (13.78)	340 (13.39) one side 690 (27.17) both sides	16 (.63)	7,6 (16.75)
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Operating pressure - NON EX-area: 90 psi (6,3 bar)
Operating pressure - EX-area: 58 psi (4 bar)



SH 150-180BX

DEPRAG offers a straight saw of type SS 150-280BX, which conforms to the highest requirements for tools used in explosion hazardous environments; more informations about this straight saw may be found on the page 29.



Advantages:

- ATEX-compliant
- can be used in a hazardous environment (explosion-proof area)
- enhanced safety features
- simple operation
- highly durable

OTHER AIR TOOL - File, Stationary Scalers, Industrial Vibrator

DEPRAG CZ a.s. offers specially adapted tools for your particular application.

Please contact our product specialists if you cannot find a suitable tool.

Air file - for deburring, filing, fine grinding and lapping; in mold making, fixture- and apparatus construction and in foundries; ideal for industrial and production filing applications on steel, aluminum, brass, wood and other materials.



FS 905-630BY

Model	Part No.	Stroke speed (no load)	Stroke length	File shank size	I.D. of air inlet hose	Weight without air connection
		min ⁻¹ /rpm	mm (in)	mm (in)	mm (in)	kg (lbs)

Hand file

- Fast, efficient filing, sanding and deburring tool - weight reduced by half for comfortable operation over long periods of time.
- A simple and fast exchange of the file
- DEPRAG offers as optional accessories 4 various files - rat tail file, triangular taper file, half round file, flat leaf file

FS 905-630BY	6061238A	6 300	9 (.35)	5 (.20)	6 (.24)	0,5 (1.10)
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Specifications at 90 psi (6,3 bar).

Stationary scalers - for the de-rusting and de-scaling of burrs on forgings and to remove scale formations, rust or paint.



AK 80

Model	Part No.	Impacts	Start	I.D. of air inlet hose	Weight without air connection
		min ⁻¹ /rpm		mm (in)	kg (lbs)

Stationary scalers

- The scalers are equipped with an automatically controlled piston, which allows the handling of these scalers to be very easy and durable. There is only one moving part: the piston.
- The piston impact surface is equipped with a cylindrical recess, which is intended for the insertion of a carbide insert.

AK 80	2203631A	3 400	Start by remote valve (not standard equipment)	10 (.39)	1,8 (3.97)
AK 100	2203701A	3 400	Start by remote valve (not standard equipment)	10 (.39)	1,9 (4.19)
AK 2A	2202981A	2 800	Start by remote valve (not standard equipment)	10 (.39)	1,3 (2.87)

Specifications at 90 psi (6,3 bar).

Industrial vibrator - used to stir moldings, used as an external vibrator for containers and other receptacles and to condense sand, dirt, or concrete



V 36

Model	Part No.	Impacts	Start	I.D. of air inlet hose	Weight without air connection
		min ⁻¹ /rpm		mm (in)	kg (lbs)

Industrial vibrator, stationary design

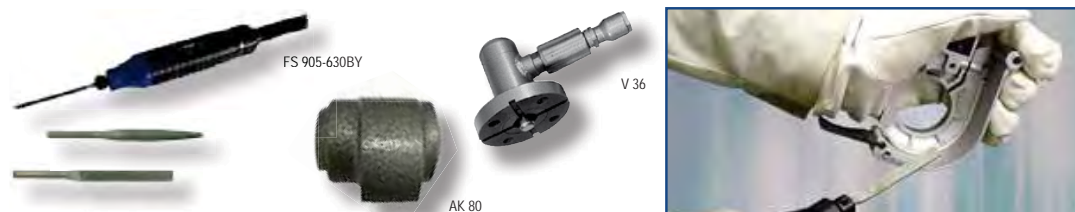
- To stir moldings, as an external vibrator for container-housings, receptacles, slides, drainage fixtures and tilting-wagons and to condense sand, dirt, concrete, etc.
- The industrial Vibrator has only one movable part, the piston, which simultaneously controls the air-inlet and air-outlet (auto-controlled piston).
- Therefore, this vibrator is simple to operate, while assuring complete operator safety.

V 36	2201001A	2 800	Start by twist valve	10 (.39)	5,4 (11.90)
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Specifications at 90 psi (6,3 bar).

Advantages:

- robust
- reliable
- highly durable
- simple operation



ACCESSORIES / MAINTENANCE & SERVICE FOR AIR TOOLS

Our service offering goes beyond the selection of a suitable tool. The performance and longevity of our tools also depends on using the correct air connections, air distribution throughout the facility and regular maintenance. The operator's comfort while using our tools is influenced by selecting the correct accessories. All this is a part of our product offering and technical consultation by a technical advisor.

Accessories for air tools

- Collets, integrated sockets for impact tools, carbide burrs
- Inserting tools (chisels) for air hammers
- Maintenance units - combination filter / lubricator
- Balancers
- Polyurethan spiral hoses
- Quick connect couplers
- Air Plugs
- Hose nozzles
- Hose connectors
- Reducers
- Double-threaded connectors
- Flow distributors
- Lubrication oil
- Blow guns (pistolgrip)
- Power limeters
- Other accessories



Maintenance & service of air tools DEPRAG INDUSTRIAL

- Service and support
- Highest requirement for quality, precision and longevity
- Lowest cost for repairs compared to electric tools
- Shortest deliveries for repaired tools

The air tools offered by DEPRAG INDUSTRIAL have some of the highest reputation on the market due to our never-ending technical developments that are important to keep the cost for maintenance and repair to the lowest possible level.

Our tools fulfill the highest requirements in regards to quality, precision and longevity.

DEPRAG has a full line of service and support offering.

We offer an individual training program, which is targeted to your particular application and the air tools you use. DEPRAG incorporates its own service center that includes a complete repair facility for all our products. An extensive inventory of spare parts guarantees a fast response capability.

Whether at your or at our facility; we will adapt our service to fit your needs.

ADVANTAGES OF INDUSTRIAL AIR TOOLS

The main advantage of the airmotor is its high performance density, which is only about 1/5th of the mass or 1/3rd of the size of an electric motor with a comparable performance. Due to this advantage, an air-motor is the preferred drive for power tools.

■ Power Characteristics

The power output performance of the air-motor is virtually constant over broad speed ranges. It can also be operated in a wide field of alternating loads. The power output can be easily adjusted by changing the operating-pressure and the speed is perpetually variable by the reduction of the air volume.

■ Load Capacity

The air-motor can easily be loaded to a full stand-still; it even tolerates a negative turn direction if the load is increased. The motor always reaches its full power output and there will be no damage to the motor!

■ Temperature behavior

Expanding air cools the motor when the load is increased. Only when idling, a rise in temperature may occur. The motor is therefore temperature insensitive and overheating through over-load is practically impossible.

■ Exhaust

The noise generated by the exhaust air is reduced by a specialized silencer. Additionally, the exhaust air is directed away from the operator through a coaxial pressure/exhaust-hose.

■ Vane Motor

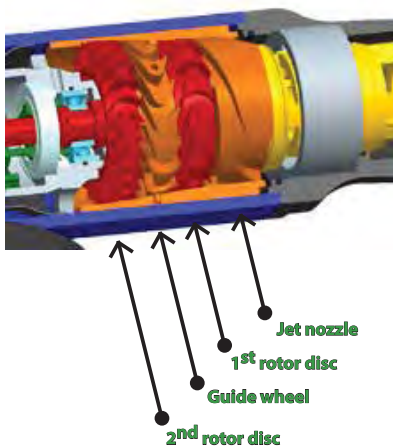
All vane motors essentially consist of the rotor, which circulates in an eccentrically offset perforation of the rotor cylinder. Because of this eccentrically offset perforation, the vanes form working chambers, the volume of which increase in the turn direction. Because of the expansion of the compressed supply air, the pressure energy is converted into kinetic energy and therefore results into the rotation of the rotor.

■ Turbine Motor

Our turbine motors offer the ideal drive solution for high speed ranges. From turbine design and prototype production up to a series manufacturing, a tailor-made motor solution is available for your individual application.

Structure and function of the DEPRAG Turbine:

Conversion of pressure energy to kinetic energy in the jet nozzle. Most of the kinetic energy is transformed within the first rotor disc. The fixed guide wheel alters the air flow. The residual energy is transformed in the second rotor disc. The turbine is a turbo machine, which does not need tangential sealing. Turbine operates with oil-free air, therefore causes absolutely no wear. Turbo machines use pneumatic energy optimally, which reduces the air requirements to 1/3rd when compared with a standard vane motor. The performance-to-weight ratio (kg/kW) is only half as large.



AIR TOOLS VS ELECTRIC TOOLS - ADVANTAGES OF AIR TOOLS

Air tools vs electric tools - advantages air tools

- Optimum power-to-weight ratio
- Work in polluted environments (air tools are damp- and dust resistant)
- Robust - highly durable, suitable for the use under extreme operational conditions
- No electric shock risk
- High starting torque
- No overheating
- Overload safe
- Compact and light weight
- Easy to maintain



AIR TOOLS DEPRAG INDUSTRIAL - APPLICATIONS

DEPRAG CZ a.s. offers professional tools for almost any application case.

Applications:

- Foundries
- Off-shore industry
- Automotive industry
- Machine building
- Steel building
- Ship building
- Aircraft building
- Building industry
- Mining, quarries
- The art of sculpture
- Household goods
- Maintenance and assembly departments



OPERATING CONDITIONS FOR THE USE OF AIR TOOLS

Operating conditions for the use of air tools

Before connecting the air supply line to the machine, clean the air pipe and the air hose by slightly blowing air into the pipe/hose; this will remove any dirt particles. Make sure to wear your safety goggles!

Verify that all air lines have a sufficient cross-section (as mentioned in technical specifications of our products) and that there are no throttled areas, bends or kinks. If the air supply line is longer than 2 meters, the next larger hose I.D. should be installed, to avoid a loss of power.

Our tools should be operated with lubricated air only. Best results are achieved, when machine is lubricated with 1 – 2 drops of oil per 1m³. The air supply to the machine needs to be filtered.

The maintenance unit, the valves and the silencers have to be selected according to the air consumption of the machine (mentioned in technical specifications of our products). Install components, which have a measurement that will limit the pressure drop – when measured from the maintenance unit to the machine – to less than 0.5 bar (7.25 PSI). Check flow-pressure directly on the machine. The pressure regulator needs to be adjusted to an airflow of (max.) 6.3 bar/90 PSI. A higher pressure leads to increased wear and tear. An air pressure below 6.3 bar reduces the power output and speed of the machine.

It is necessary to ensure the quality of the compressed air at the required pressure, as well as the volume required for the respective air tools. When using oilfree air, a performance reduction occurs & maintenance requirements increase!

Connect the machine as follows:

- For standard operation, connect to a maintenance unit consisting of filter with water separator, pressure regulator and oiler.
- The standard filter efficiency for maintenance units is 25 µm. If a higher air quality is required, please use a filter insert with a higher filter efficiency.

With regard to air quality according to ISO 8573-1 we recommend:

	Class	Residual Dust		Residual Water		Residual Oil
		particle size µm	max. concentration mg/m ³	max. concentration g/m ³	pressure dew-point °C	content mg/m ³
Lubricated air	-/4/4	25	10	6	+3	5
Oil-free air	6/3/3	5 *)	5	0,88	-20	1

*) Filter grade 8 µm is sufficient for DEPRAG machines which are operated oilfree.

General safety tips to observe when connecting our air tools

- Check regularly that the (measured) speed of the machine is not higher than specified on its tag (or in our technical specifications). Do not exceed the maximum allowable operating speed.
- Never remove factory installed guards from tools and ensure they are in good condition and properly adjusted (inspect regularly). Guards need to be correctly aligned to deflect sparks and debris away from the operator.
- Check that only abrasive products as specified by the manufacturer are used and are in good condition. Never exceed the maximum allowed radial speed of the abrasive material. The abrasive product must be designed for your tool and it's application.
- Ensure that the abrasive product dimensions are compatible with the machine and that the abrasive product fits the spindle. An unsuitable product can produce excessive debris, dust, vibration and noise. Prior to operating the tool, make sure that the abrasive product is securely clamped.
- Verify that the abrasive product is not wobbling or loose prior to starting tool operation. Carefully idle the machine without applying any load.
- Always wear impact-resistant safety goggles, hearing protection, safety gloves and personal protective clothing - such as an apron and helmet.
- Schedule regular maintenance for your tools & the air supply with all its connections - coordinate your maintenance by considering the level of usage of your tools and the application where your tool is used.

RULES OF CONNECTING AIR TOOLS TO AN AIR DISTRIBUTION GRID

- The compressed air entering the tool must be dry and clean
- Vane motors must be oiled, using a special air lubrication oil (see DEPRAG oil)
- Tooth- and turbine motors do not use air-line lubrication
- Tools should be used with maintenance units, consisting of filter, oiler and regulator
- Correctly choose a maintenance to ensure sufficient air flow
- The maintenance unit should be visibly installed for easy verification of the oil level and its overall functionality
- Use an air hose that has the correctly sized interior diameter (ID)
- Maximum recommended distance of a tool from its maintenance unit is 5 meters (use a hose with a larger ID for longer distances)

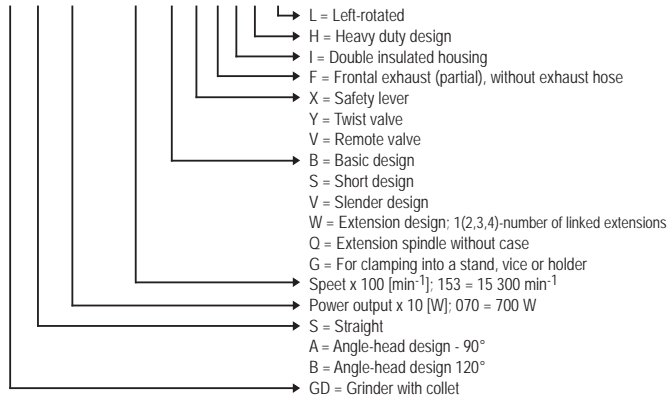
We offer a variety of air connection accessories. Our experienced sales staff will help you choose the correct connection to ensure the right performance of your DEPRAG tools. Please contact our product specialists!



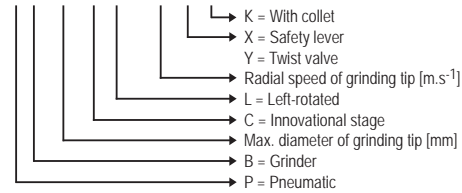
TYPE KEY - PNEUMATIC TOOLS DEPRAG INDUSTRIAL

Type key - grinders / polishers

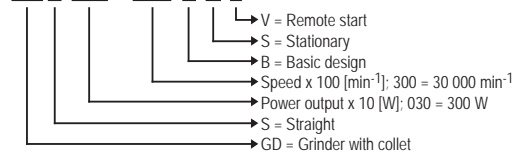
GDS 070 - 153 B X F I H L



PB 35 C L - 45 Y K

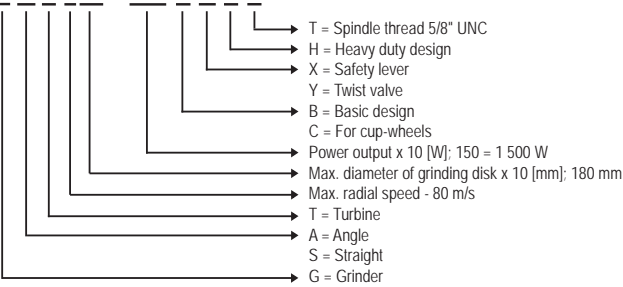


GDS 030 - 300 B S V

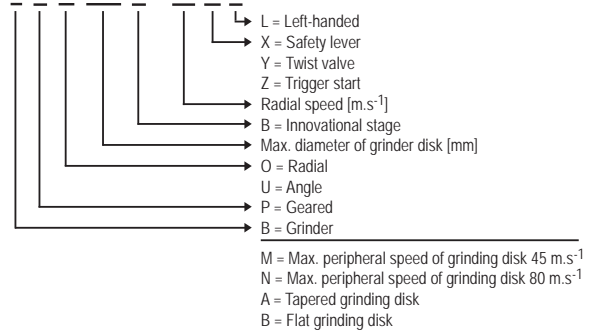


Grinders with Grinding Wheel

G A T 818 - 150 B X H T

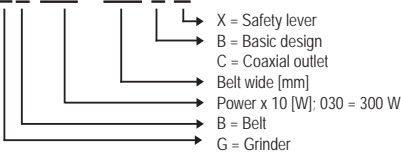


P B O 180 B - 80 X L



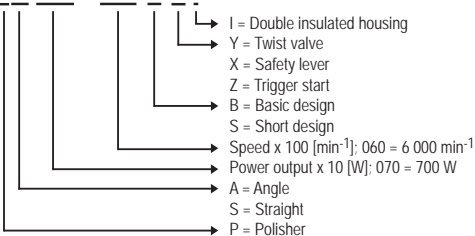
Belt Sanders

GB 030 - 013 B X

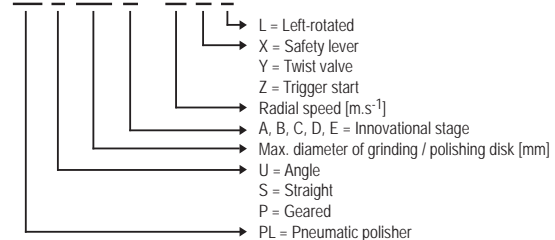


Polishers

PA 070 - 060 B Y I



PL U 180 B - 80 X L

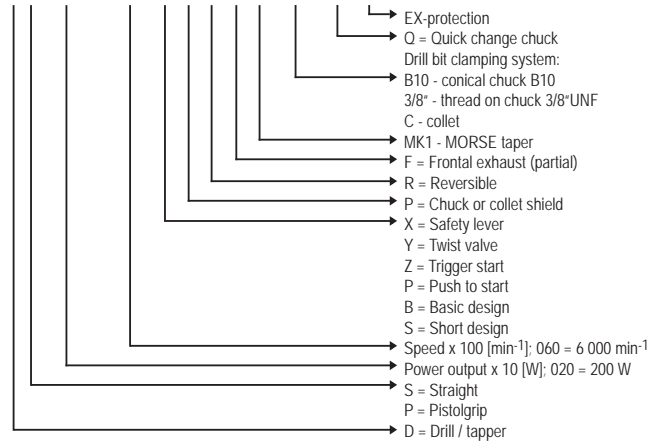


TYPE KEY - PNEUMATIC TOOLS DEPRAG INDUSTRIAL

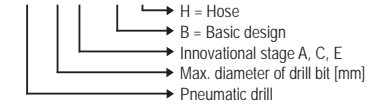
Type key - drills / tappers / impact tools / saws / hammers / file / shears / needle scalars / nibblers / pliers

Drills / Tappers

DS 020 - 060 B X P R F B10 Q EX

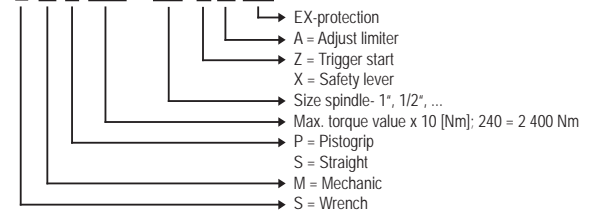


PV 6 A - B H



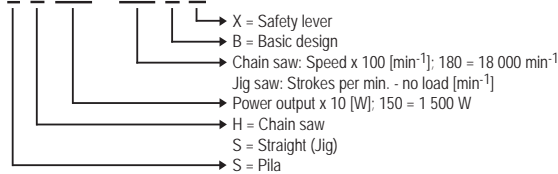
Impact tools

S M P 030 - 1/2" Z A EX

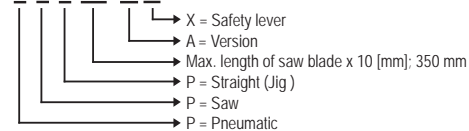


Saws - chain saw, jig saw

S H 150 - 180 B X

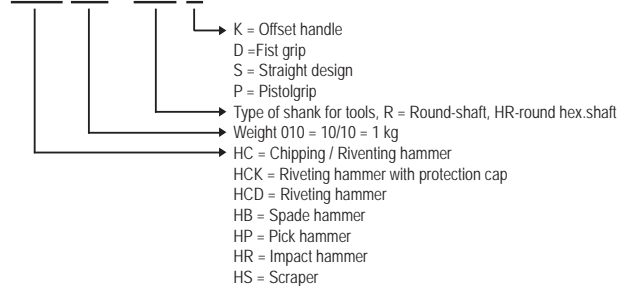


P P P 35 A X



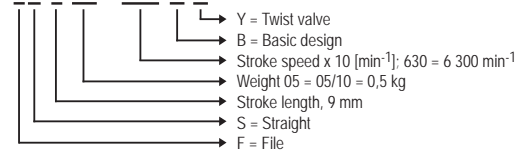
Hammers

HCK 010 - R14 K



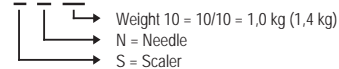
File

FS 9 05 - 630 B Y



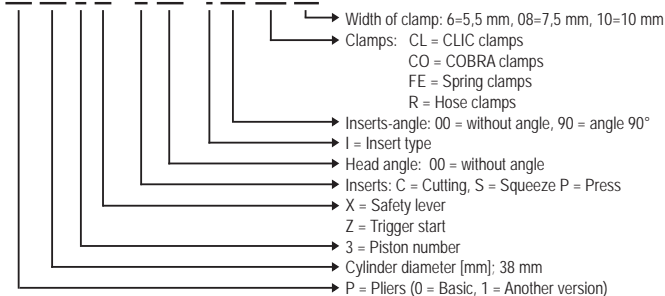
Needle scalars

S N 10



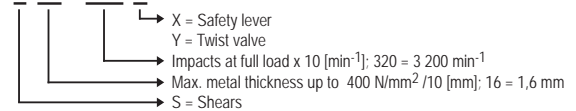
Pliers

PO 38 3 X - P 00 - I 00 CL 10



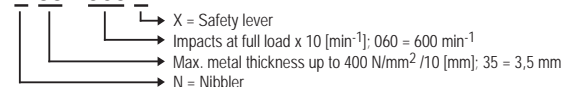
Metal shears

S 16 - 320 Y



Nibblers

N 35 - 060 X



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