



DEPRAG
machines unlimited

Pneumatic Power Tools



Screwdriving technology



Automation



Airmotors



Air tools

OVERVIEW

About us

Page 3

PNEUMATIC TOOLS DEPRAG INDUSTRIAL

SMART FACTORY - INDUSTRY 4.0

Intelligent Tools DEPRAG INDUSTRIAL

Page 4



GRINDERS

Die grinders - inline design/angle-head design - Model GDS, PB, GDA, GDB

Page 5 - 9

Straight grinders - Model GS, GST

Page 10

Angle grinders - with direct drive/with angle gear - Model GA(T), PBU

Page 11/12

Belt sanders - Model GB

Page 13

AIR VANE MOTORS FOR GRINDING, MILLING AND DRILLING

Stationary grinders, milling tools and drills for special applications

Page 14

POLISHERS

Polishers - pistolgrip/angle-head form - Model PLU, PA(T), PLP

Page 15

Polishers - radial polisher/orbital sander - Model PS, PLUE, PAE

Page 16

DRILLS

Inline design - Model DS

Page 17

Angle-head design - Model DA, DC

Page 18

Pistolgrip - Model DP, PV(R)

Page 19

TAPPERS

Tappers - inline design/pistolgrip - Model DS, DP

Page 20

IMPACT TOOLS / SCREWDRIVER

Impact tools - Model SMS, SMP, PSR; screwdriver - inline design, reversible - Model PRU

Page 21

HAMMERS

Chipping and riveting hammers - Model HC, HCD

Page 22

Pick hammers - Model HP

Page 23

Breaking (Spade) hammers - Model HB

Page 23

Impact hammers - Model HR

Page 23

Scaler - Model HS

Page 23

NEEDLE SCALERS

Needle scalers - inline design/pistolgrip - Model SN

Page 24

SHEET METAL TOOLS

Metal shears - Model S

Page 25

PLIERS

Pliers for cutting - Model P

Page 26/27

Pliers for mounting of CLIC, COBRA, hose or spring clamps - Model P

Page 28

SAWS

Straight (jig) saws - type PPP, SS; chain saw - Model SH

Page 29

TOOLS FOR USE IN POTENTIALLY EXPLOSIVE ENVIRONMENTS

Impact tools - inline design/pistolgrip - Model SMS, SMP;

Page 30

Drill - Model DP(T)

Page 30

Chain saw - Model SH

Page 30

OTHER PNEUMATIC TOOLS

Files - Model FS, Special Solutions - Assembly tool for mounting of plastic rivets

Page 31

ACCESSORIES, MAINTENANCE & SERVICE OF PNEUMATIC TOOLS

Page 32

ADVANTAGES OF PNEUMATIC POWER TOOLS, APPLICATIONS

Page 33/34

OPERATING CONDITIONS FOR THE USE OF AIR TOOLS

Page 35

RULES OF CONNECTING AIR TOOLS TO AN AIR DISTRIBUTION GRID

Page 36

TYPE KEY

Page 37/38

- DEPRAG is a subsidiary 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.



Screwdriving Technology



Automation



Air motors



Air Tools

NEW

■ **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 successful feeding technology, are utilized 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 a market leader in this field, we provide an extremely versatile program 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 is the distinguishing characteristics of DEPRAG INDUSTRIAL tools.



SMART FACTORY - INDUSTRY 4.0

Intelligent Tools DEPRAG INDUSTRIAL



- DEPRAG 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 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.

DEPRAG offers classic air tools under the brand name DEPRAG INDUSTRIAL for many applications. Examples of the applications are found in the following industries: foundries, automotive industry, machine building, steel industry, shipbuilding, and in the aviation industry.

DEPRAG carries a standard assortment of tools that perfectly fit any application. Please contact one of our product specialists for assistance with any application needs.



Air-Operated Angle Grinders DIQ

SMART FACTORY - INDUSTRY 4.0

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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 disk O.D. / I.D. mm (in)	Max. thickness of grinding disk mm (in)	Max. cutting depth mm (in)	Max. radial speed m/s	Spindle thread
The design series of the grinders GAQ originates from the Grinder series GA 1,9 kW and 2,5 kW.										
GAQ812-190BX	6061275E	19 000	11 900	16	3,1	125/22,23	6	30,5	80	M14
GAQ815-190BX	6061275F	19 000	9 850	16	3,1	150/22,23	6	43	80	M14
GAQ818-190BX	6061275G	19 000	8 350	16	3,3	180/22,23	8	58	80	M14
GAQ823-190BX	6061275H	19 000	6 650	16	3,6	230/22,23	8	83	80	M14
GAQ818-250BX	6060970D	25 000	6 640	16	4,4	180/22,23	8	54	80	M14
GAQ823-250BX	6060971D	25 000	8 500	16	4,7	230/22,23	8	79	80	M14



GAQ 818-190BX



GAQ 823-250BX

Specifications at 90 psi (6,3 bar)

The developments of the 4th Industrial Revolution, **Industry 4.0 / Smart Factory**, now also applies to some of the **DEPRAG INDUSTRIAL air-grinders**. These grinders come with the revolutionary **DIQ-technology** that allows real-time observation of the tools **operating conditions** and acquires data during actual workflow! **All collected data is continuously evaluated and stored on the web.**

By utilizing a unique **IQRF Network** - it operates in the frequency range of 868 MHz - the acquired data is made available via wireless output. The transfer takes place by a Gateway into the LAN/Internet, and the data is stored in the **DEPRAG Cloud**.

- Access to technical documentation
- The tool and the operating process is continuously supervised
- Achieve maximum effectiveness
- The perfect tool for any given application
- Compare different tools and/or operators
- Access data about air-consumption for improved production planning
- Optimization and effectiveness recommendations (for example grinding speed, tool load)
- Exact control of the service intervals; overview of individual repair expenditures
- Uptime of the tool
- Energy-saving = cost-saving

ACCESSORIES

Internet



Software packages



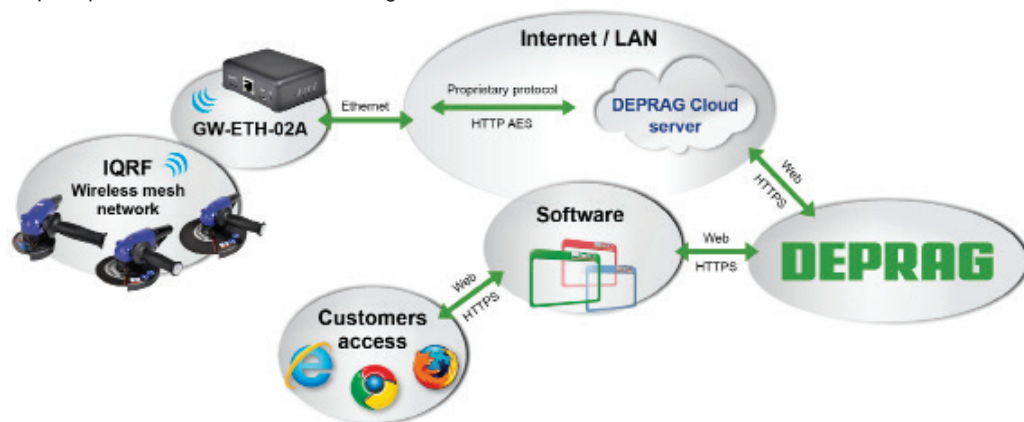
Gateway



Protective cover



The principle of the data transfer, including communication:



With **DIQ-technology**, essential, and clear operational information is obtainable, which is necessary for the optimization of the production process and the increase of its effectiveness. Lowering production-cost is crucial in today's age, not only for the price of a product but also for the profitability of a manufacturer.

Current and detailed information about our newly developed DIQ technology, software-application and DIQ angle grinders may be found our catalogs DCZ 10323, as well as on our website www.depragusa.com.

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)



GDS011-550BY



GDS011-650BYE



GDS015-470SX



GDST025-700BY



GDS027-320BY



GDS030-180BXE



GDS030-300BY



GDS030-450SY

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
90 W (.12 hp)								
This ergonomic miniature grinder allows for easy and optimum access to tuff areas and can reach an actual speed of 100.000 rpm. The high run-out accuracy of the collets guarantees its durability during material removal and ensures high surface quality during grinding or milling. The low tool vibration during use assists with operator fatigue. Oil-free operation is also possible without the loss of power.								
GDS009-1000BY	3146441E	0,09 (.12)	100 000	4 (.16)	0,3 (.66)	5 (.20)	3 (.12)	3 [1 - 3,25]
110 - 150 W (.15 - .2 hp)								
This small and light-weight vane motor grinder simplifies any fabricating job specializing in the grinding, milling, and fabricating of casted parts, or the precision polishing and deburring of welding seams.								
GDS011-550BY	831050A	0,11 (.15)	55 000	5 (.20)	0,1 (.22)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS011-650BYE	6061249A	0,11 (.15)	65 000	6 (.24)	0,3 (.66)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS013-720BX	830266B	0,13 (.17)	72 000	5 (.20)	0,3 (.66)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS013-720BY	830266A	0,13 (.17)	72 000	5 (.20)	0,3 (.66)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32; 1/8"]
GDS015-470SX	3147401E	0,15 (.20)	47 000	6 (.24)	0,3 (.66)	16 (.63)	6 (.24)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS015-470SY	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)								
Our turbine grinders operate oil-free. Their low weight assures a fatigue-free operation, and they can utilize a grinding tip or carbide cutter at full power & speed. These grinders are especially suited for the precision grinding and milling for the tool -, die -, and mold making - industry. An integrated, automatic brake (Model GDST 025-700BY) eliminates any trailing of the grinding spindle. Model GDST 025-700BYO does not include a brake. An integrated speed regulator helps the tool control and maintain a constant speed even under full load. Low vibration helped with noise emissions and compared to other grinders; this tool's advantage is low air consumption.								
GDST025-700BY	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"]
270 W (.36 hp)								
This small ergonomic, low-weight, vane motor grinder, designed for precision grinding and milling is suitable for numerous application cases - in the tool -, die -, and mold making - industry.								
GDS027-320BX	3148457D	0,27 (.36)	32 000	6 (.24)	0,4 (.88)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS027-320BY	3148457C	0,27 (.36)	32 000	6 (.24)	0,4 (.88)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS027-320BXF	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"]
GDS027-320BYF	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"]
GDS027-320SX	3148457B	0,27 (.36)	32 000	6 (.24)	0,3 (.66)	25 (.98)	10 (.39)	6 [3; 4; 5; 6; 1/8"; 1/4"]
GDS027-320SY	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)								
Due to this vane motor grinder's manual, peripheral, and transverse grinding with grinding tip and optimum fabricating with carbide cutters, it is very well-suited for grinding cavities and tuff casted areas. This grinder comes equipped with a reduced shank (execution V). (Models GDS 030-120/150/200/230-BX/BY, VX/VY) come equipped with a centrifugal speed regulator which reduces the grinders speed at overload and assures economical operation.								
GDS030-120BX	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"]
GDS030-120BY	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"]
GDS030-150BX	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"]
GDS030-150BY	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"]
GDS030-180BXE	6061300A	0,3 (.4)	18 000	6 (.24)	0,4 (.88)	20 (.79)	10 (.39)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-180BXE-8I	6061300C	0,3 (.4)	18 000	8 (.31)	0,5 (1.10)	25 (.98)	12 (.47)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS030-200BX	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"]
GDS030-200BY	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"]
GDS030-230BX	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"]
GDS030-230BY	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"]
GDS030-250BXES	6061300B	0,3 (.4)	25 000	8 (.31)	0,6 (1.32)	25 (.98)	12 (.47)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-300BX	830495A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-300BY	830495B	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-450BX	830496A	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-450BY	830496B	0,3 (.4)	45 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-300SX	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"]
GDS030-300SY	830495D	0,3 (.4)	30 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-450SX	830496C	0,3 (.4)	45 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-450SY	830496D	0,3 (.4)	45 000	6 (.24)	0,3 (.66)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16"; 1/4"]
GDS030-120VX	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"]
GDS030-120VY	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"]
GDS030-150VX	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"]
GDS030-150VY	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 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
GDS030-200VX	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"]
GDS030-200VY	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"]
GDS030-230VX	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"]
GDS030-230VY	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"]
GDS030-300VX	830495C	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS030-300VY	828928E	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	20 (.79)	6 (.24)	6 [3; 4; 5; 1/8"; 3/16", 1/4"]
GDS030-450VX	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"]
GDS030-450VY	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"]

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

GDS030-300QX	6060906A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	10 (.39)	6 (.24)	3
GDS030-300QY	6060904A	0,3 (.4)	30 000	6 (.24)	0,4 (.88)	10 (.39)	6 (.24)	3

350 W (.47 hp)

The ergonomic design of our powerful vane motor grinder ensures low operator fatigue and comes equipped with gears that allow the perfect operating speed for excellent grinding results. This tool performs exceptionally well with carbide cutters or wire brushes.

GDS035-023BX	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"]
GDS035-045BX	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)

This vane motor grinder series is optimum for grinding with grinding tip or fabricating with carbide cutters. This tool includes a small ergonomic grip and a collet with connector nut for improved clamping force. An integrated speed regulator helps the tool control and maintain a constant speed even under full load. This tool contains a cold isolated housing.

GDS050-120BXI	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"]
GDS050-120BYI	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"]
GDS050-200BXI	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"]
GDS050-200BYI	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"]
GDS050-250BXI	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"]
GDS050-250BYI	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"]
GDS050-300BXI	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"]
GDS050-300BYI	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"]
GDS050-120SXI	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"]
GDS050-120SYI	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"]
GDS050-200SXI	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"]
GDS050-200SYI	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"]
GDS050-250SXI	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"]
GDS050-250SYI	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"]
GDS050-300SXI	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"]
GDS050-300SYI	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"]
GDS050-200VXI	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"]
GDS050-200VYI	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"]
GDS050-250VXI	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"]
GDS050-250VYI	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"]
GDS050-300VXI	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"]
GDS050-300VYI	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"]
GDS050-120WXI	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"]
GDS050-120WYI	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"]
GDS050-200WXI	6061004A	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"]
GDS050-200WYI	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"]
GDS050-300WXI	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"]
GDS050-300WYI	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"]

Our turbine grinders operate oil-free and are therefore practically maintenance-free. They produce Optimum fabrication results due to their high speed and are especially well-suited for use with carbide cutters in foundries- in the entire mechanical engineering industry- & the tool- and die industry. The tool's low weight ensures a fatigue-free effort. An integrated speed regulator helps the tool control and maintain a constant speed even under full load. Low vibration helps with noise emissions and compared to other grinders; this tool's advantage is low air consumption.

GDST050-550BXO	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"]
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GDS030-450VX



GDS030-300QY



GDS035-045BX



GDS050-300BYI



GDS050-200SXI



GDS050-300VXI



GDS050-200WYI



GDST050-550BXO

DIE GRINDERS - Inline Design, Power Output 500 - 700 W (.67 - .94 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
▶▶ 700 W (.94 hp)								
Our vane motor DIE grinders fulfill all requirements for optimum fabrication; their design allows for heavy-duty-operations even at reduced speeds. An integrated speed regulator helps the tool control and maintain a constant speed even under full load. The grinders with an extended spindle are ideal for the cleaning of pipes and the grinding of tuff areas. This tool contains a cold isolated housing.								
GDS070-120BXI	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"]
GDS070-120BYI	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"]
GDS070-153BXI	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"]
GDS070-153BYI	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"]
GDS070-153BXFI	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"]
GDS070-153BYFI	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"]
GDS070-190BXI	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"]
GDS070-190BYI	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"]
GDS070-190BXFI	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"]
GDS070-190BYFI	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"]
GDS070-190BXIH	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"]
GDS070-230BXI	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"]
GDS070-230BYI	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"]
GDS070-230BXFI	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"]
GDS070-230BYFI	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"]
GDS070-070SXI	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"]
GDS070-153SXI	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"]
GDS070-153SYI	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"]
GDS070-190SXI	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"]
GDS070-190SYI	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"]
GDS070-190SXI	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"]
GDS070-230SXI	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"]
GDS070-230SYI	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"]
GDS070-153VXI	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"]
GDS070-153VYI	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"]
GDS070-190VXI	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"]
GDS070-190VYI	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"]
GDS070-190VXI	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"]
GDS070-230VXI	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"]
GDS070-230VYI	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"]
GDS070-153WXI	6060581A	0,7 (.94)	15 300	10 (.39)	2,1 (4.63)	Brushers or flap wheels of maximal diameter 50 mm (1.97 in) can be used with these grinders only.	16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS070-153WYI	6060891A	0,7 (.94)	15 300	10 (.39)	2,3 (5.07)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS070-153W1XI	6060582A	0,7 (.94)	15 300	10 (.39)	2,6 (5.73)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS070-153W2XI	6060583A	0,7 (.94)	15 300	10 (.39)	3,1 (6.83)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS070-153W3XI	6060584A	0,7 (.94)	15 300	10 (.39)	3,6 (7.94)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS070-153W4XI	6060585A	0,7 (.94)	15 300	10 (.39)	4,1 (9.04)		16 (.63)	6 [8; 9; 3/16"; 5/16"; 1/4"]
▶▶ 1 000 W (1.34 hp)								
Our turbine grinders operate oil-free and are therefore practically maintenance-free. These grinders are especially suited for the precision grinding and milling for the tool-, die-, and mold making industry. An integrated, automatic brake eliminates any trailing of the grinding spindle. An integrated speed regulator helps the tool control and maintain a constant speed even under full load. Low vibration helped with noise emissions and compared to other grinders; this tool's advantage is extremely low air consumption.								
GDST100-280BX	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"]

GDST100-280BX

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

These powerful vane motor die-grinders are designed to fulfill the highest quality demands when used in industrial applications - in foundries, in the tool- and die making industry or in the precision fabrication industry and are well-suited for the deburring/polishing of welding seams and the processing of casted parts. The grinders that feature an extended spindle are ideal for the cleaning of pipes and the grinding in tuff areas. This tool contains a cold isolated housing.

Please Note: When using these grinders for pipe-cleaning, attach lamellar sanding discs or wire brushes only! An integrated speed regulator helps the tool control and maintain a constant speed even under full load.

GDS100-153BXI	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"]
GDS100-153BYI	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"]
GDS100-190BXI	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"]
GDS100-190BYI	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"]
GDS100-153SXI	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"]
GDS100-153SYI	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"]
GDS100-190SXI	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"]
GDS100-190SYI	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"]
GDS100-153VXI	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"]
GDS100-153VYI	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"]
GDS100-190VXI	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"]
GDS100-153WXI	830516A	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 grinders only.		6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS100-153WYI	6060840A	1 (1.34)	15 300	12 (.47)	2,7 (5.95)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS100-153W1XI	830516B	1 (1.34)	15 300	12 (.47)	3,0 (6.61)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS100-153W2XI	830516C	1 (1.34)	15 300	12 (.47)	3,5 (7.72)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS100-153W3XI	6060579A	1 (1.34)	15 300	12 (.47)	4,0 (8.82)			6 [8; 9; 3/16"; 5/16"; 1/4"]
GDS100-153W4XI	6060580A	1 (1.34)	15 300	12 (.47)	4,5 (9.92)			6 [8; 9; 3/16"; 5/16"; 1/4"]

1 200 W (1.61 hp)

The robust construction of this vane motor grinder assures longevity even when used in a 24/7 operation. Equipped with grinding tips or carbide cutters this grinder is utilizable in the treatment of plastics and metals in foundries, in the mold-making- and fixture-building industries, and in the fabrication and 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 peripheral speed can be adjusted allowing its maximum speed potential to be used for any application. This grinder operates at a low noise level and keeps its operating vibration, and operator fatigue to a minimum. The previous, overhauled model PBK 75X was renamed the GDS 120 and is one of the best-selling DEPRAG INDUSTRIAL grinders.

GDS120-120BX	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)
* We offer also other collet sizes.



GDS100-190BYI



GDS100-153SXI



GDS100-153VXI



GDS100-153W2YI



GDS120-120BX



GDST025-700BY



GDS120-120BX

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/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 Collet - standard equipment [optional accessories*]
		W (hp)	min ⁻¹ (rpm)	mm (in)	kg (lbs)	mm (in)	mm (in)	mm

130 W (.17 hp)

These ergonomic vane motor grinders are small, lightweight, and in an angle-head design, which makes it particularly well suited for grinding and milling tuff areas. Many application areas include: the tool-, die- and mold industry, or when precision fabrication is necessary.

Angle-Head in 90°

GDA013-550BX	830494A	0,13 (.17)	55 000	5 (.20)	0,2 (.44)	10 (.39)	3 (.12)	3 [2; 3,25; 3/32", 1/8"]
GDA013-550BY	830494B	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)

This angle-head vane motor grinder tool series, utilized in the plastics or metal fabrication industry, allows the operator to reach tuff areas in foundries, tool-, die- and mold making industries or where precision fabrication is required.

Angle-Head in 90°

GDA030-300BX	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"]
GDA030-300BY	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"]
GDA030-450BX	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"]
GDA030-450BY	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"]
GDA030-120SX	6061260A	0,3 (.40)	12 000	8 (.31)	0,7 (1.54)	16 (.63)	6 (.24)	6 [3;3,1;4;4,1;4,76;5;6,35]
GDA030-180SX	6061260B	0,3 (.40)	18 000	8 (.31)	0,7 (1.54)	16 (.63)	6 (.24)	6 [3;3,1;4;4,1;4,76;5;6,35]
GDA030-300SX	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"]
GDA030-450SX	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°

GDB030-300BX	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"]
GDB030-300BY	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"]
GDB030-450BX	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"]
GDB030-450BY	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"]
GDB030-300SX	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"]
GDB030-450SX	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)

These vane motor grinders were designed for the sharpening or grinding of drill-crowns, for the sharpening of drill-crowns while utilizing the carbide cutters; we recommend a round, diamond grinding-tip with a max OD of 22 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.

GDA060-200BX	6060925A	0,6 (.80)	20 000	10 (.39)	1,4 (3.09)	-	-	8 [5/16", 9"]
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700 W (.94 hp)

This vane motor grinder accesses tuff areas due to its angle-head design and achieves optimum fabrication results when processing molds and cutting castings or fixtures, and it is suitable for the fabricating of both metals and plastics. An integrated speed regulator helps the tool control and maintain a constant speed even under full load.

Angle-Head in 90°

GDA070-153BX	830497A	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"]
GDA070-190BX	830497C	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"]
GDA070-230BX	830497E	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"]



GDA030-300BY



GDA030-120SX



GDB030-450SX



GDA060-200BX

Advantages:

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

Angle-Head 90°



GDB 030-450BY

Angle-Head 120°



GDB 030-300BX



STRAIGHT GRINDERS - Power Output 1,1 - 2,8 kW (1.48 - 3.75 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	For grinding disk		
							External/internal diameter	Width	Type
		kW (hp)	min ⁻¹ (rpm)	mm (in)	kg (lbs)	m/s (ft/s)	mm (in)	mm (in)	
Our straight vane motor grinders are for the heavy-duty fabrication of steel and castings and the deburring of welding-, casting-, and ridge-seams. When equipped with steel brushes, this grinder can remove rust, and descale rolled steel and forgings. An integrated speed regulator helps the tool control and maintain a constant speed even under full load.									
GS315-240BX	6061141A	2,4 (3.22)	4 000	16 (.63)	6,5 (14.3)	32 (105)	150/20 (6"/.79)	20÷25 (.79÷.98)	flat
GS508-120BX	6061228A	1,2 (1.61)	12 000	13 (.51)	2,2 (4.9)	50 (164)	80/20 (3"/.79)	20÷25 (.79÷.98)	flat
GS508-120BXA	6061228B	1,2 (1.61)	12 000	13 (.51)	2,2 (4.9)	50 (164)	80/20 (3"/.79)	20÷25 (.79÷.98)	tapered
GS510-230BX	6061289A	2,3 (3.08)	9 500	16 (.63)	4,0 (8.8)	50 (164)	100/20 (4"/.79)	20÷25 (.79÷.98)	flat
GS515-280BX	6061301A	2,8 (3.75)	6 400	16 (.63)	5,4 (11.9)	50 (164)	150/20 (6"/.79)	20÷25 (.79÷.98)	flat
GS818-210BX	6061296A	2,1 (2.8)	8 500	16 (.63)	4,0 (8.8)	80 (262)	180/22,23 (7"/.88)	8÷10 (.31÷.39)	flex
GS818-210BXE	6061296B	2,1 (2.8)	8 500	16 (.63)	4,25 (9.4)	80 (262)	180/22,23 (7"/.88)	2,5÷10 (.09÷.39)	flex
GS823-280BXE	6061307B	2,8 (3.8)	6 600	16 (.63)	5,5 (12.1)	80 (262)	230/22,23 (9"/.88)	2,5÷10 (.09÷.39)	flex

Specifications at 90 psi (6,3 bar).



GS508-120BX



GS818-210BX



GS823-280BXE

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



PBU115C-80Z



PBU180G-80X



PBU230G-80X

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. radial speed	Spindle thread
		kW (hp)	min ⁻¹ (rpm)	mm (in)	kg (lbs)	mm (in)	mm (in)	m/s	

The smallest vane motor grinder in this series is a one-handed operational tool, ideal for type 27 grinding wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. This grinder is a push-to-start tool that has an integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

PBU115C-80Z	826309A	0,5 (.67)	13 200	10 (.39)	1,9 (4.19)	115/22,23 (4.53/.87)	8 (.31)	80	M14
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The smallest vane motor grinder in this series is a one-handed operational tool, ideal for type 27 grinding wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost but does not contain an integrated ABU (auto-balancing-unit). This grinder has a safety lever on the handle facing downwards, and an integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

PBU150G-80X	6060457A	1,9 (1.48)	10 200	16 (.63)	4,1 (9.04)	150/22,23 (5.91/.87)	10 (.39)	80	M14
PBU180G-80X	830426A	1,9 (1.48)	8 500	16 (.63)	4,3 (9.47)	180/22,23 (7.09/.87)	10 (.39)	80	M14
PBU230G-80X	6060455A	1,9 (1.48)	6 600	16 (.63)	4,4 (9.70)	230/22,23 (9.06/.87)	10 (.39)	80	M14

This vane motor grinder, designed for heavy-duty operations where space is not limited, is ideal for type 27 grinding wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. This grinder has a safety lever on the handle facing downwards. Low vibration helped with noise emissions and compared to other grinders; this tool's advantage is low air consumption.

PBU180E-80X	826310A	2,4 (3.22)	8 500	16 (.63)	5,3 (11.68)	180/22,23 (7.09/.87)	10 (.39)	80	M14
PBU180F-80X	826311A	1,2 (1.61)	8 500	13 (.51)	4,2 (9.26)	180/22,23 (7.09/.87)	10 (.39)	80	M14
PBU230E-80X	826312A	2,35 (3.15)	6 600	16 (.63)	5,5 (12.13)	230/22,23 (9.06/.87)	10 (.39)	80	M14

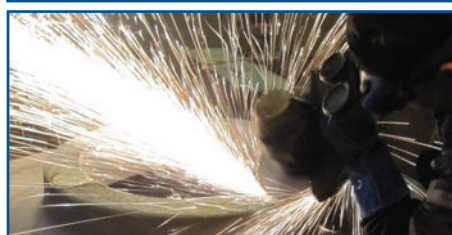
Model PBU 125C-45X, designed for heavy-duty operation in ship-building and railway construction; ideal for 11 or 6 type cup-wheels. This vane motor angle grinder has a safety lever on the handle facing downwards. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. Compared to other grinders; this tool's advantage is low air consumption. An integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

PBU125C-45X	6060487A	2,35 (3.15)	6 600	16 (.63)	5,6 (12.35)	125/22,23 (4.92/.87)	50 (1.97)	45	M14
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Specifications at 90 psi (6,3 bar).



PBU230E-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	

This angle vane motor grinder designed for the best possible grinding result even in tough areas, is ideal for 27, 41/42 cut-off wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. This grinder has a safety lever on the handle facing upwards, and an integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

GA810-050BX	6061139A	0,5 (.67)	15 300	10 (.39)	1,3 (2.87)	100/16 (3.94/.63)	6 (.24)	30 (1.18)	80	M14
GA811-100BX	6060546A	1 (1.34)	13 200	13 (.51)	2,4 (5.29)	115/22,23 (4.53/.87)	6 (.24)	29 (1.14)	80	M14
GA812-100BX	6060545A	1 (1.34)	12 200	13 (.51)	2,4 (5.29)	125/22,23 (4.92/.87)	6 (.24)	34 (1.34)	80	M14

This angle vane motor grinder designed for the best possible grinding result even in tough areas is ideal for 27, 41/42 cut-off wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. This grinder has a safety lever on the handle facing downwards, and an integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

GA812-190BX	6061275A	1,9 (2.55)	11 900	16 (.63)	3 (6.61)	125/22,23 (4.92/.87)	6 (.24)	30,5 (41.0)	80	M14
GA815-190BX	6061275B	1,9 (2.55)	9 850	16 (.63)	3,1 (6.83)	150/22,23 (5.91/.87)	6 (.24)	43 (57.7)	80	M14
GA818-190BX	6061275C	1,9 (2.55)	8 350	16 (.63)	4,4 (9.70)	180/22,23 (7.09/.87)	8 (.32)	58 (2.28)	80	M14
GA823-190BX	6061275D	1,9 (2.55)	6 650	16 (.63)	3,6 (7.93)	230/22,23 (9.06/.87)	8 (.32)	83 (3.27)	80	M14

This angle vane motor grinder, designed for the best possible grinding result even in tough areas is ideal for 27, 41/42 cut-off wheels. Angle grinder model PBU comes with direct drives resulting in lower maintenance cost, and an integrated ABU (auto-balancing-unit) which reduces vibration and lowers operator fatigue. This grinder has a safety lever on the handle facing downwards, and an integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

GA818-250BX	6060970C	2 500	8 500	16 (.63)	4,4 (9.70)	180/22,23 (7.09/.87)	10 (.39)	54 (2.13)	80	M14
GA823-250BX	6060971C	2 500	6 640	16 (.63)	4,7 (10.36)	230/22,23 (9.06/.87)	8 (.32)	79 (3.11)	80	M14

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

For grinding with cut-off wheels of type 27, 41/42, for the best-possible grinding results even on hard-to-reach areas. Safety lever (lever on handle facing downwards). Oil-free 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. The tool can be changed to accommodate a left-handed operator — high operating-safety. The machine automatically shuts-off at overload. An integrated speed regulator which helps the tool control and maintain a constant speed even under full load.

GAT812-221BX	310519B	2,2 (2.95)	12 000	13 (.51)	2,2 (2.95)	125/22,23 (4.92/.87)	6 (.24)	38,5 (1.52)	80	M8
GAT812-221BX-M14	310519H	2,2 (2.95)	12 000	13 (.51)	2,3 (5.07)	125/22,23 (4.92/.87)	8 (.31)	38,5 (1.52)	80	M14
GAT812-260BX	310519C	2,6 (3.49)	12 000	13 (.51)	2,2 (2.95)	125/22,23 (4.92/.87)	6 (.24)	38,5 (1.52)	80	M8
GAT812-260BX-M14	310519F	2,6 (3.49)	12 000	13 (.51)	2,3 (5.07)	125/22,23 (4.92/.87)	8 (.31)	38,5 (1.52)	80	M14
GAT815-260BX-M14	310687C	2,6 (3.49)	10 200	13 (.51)	2,8 (6.17)	125/22,23 (4.92/.87)	10 (.39)	44 (1.73)	80	M14
GAT818-260BX	310687A	2,6 (3.49)	8 500	13 (.51)	2,8 (6.17)	180/22,23 (7.09/.87)	13 (.47)	59 (2.32)	80	M8
GAT818-260BX-M14	310687D	2,6 (3.49)	8 500	13 (.51)	3,0 (6.61)	180/22,23 (7.09/.87)	10 (.39)	59 (2.32)	80	M14



GA812-190BX



GAT815-190BX



GA823-190BX



GA823-250BX



GAQ818-250BX



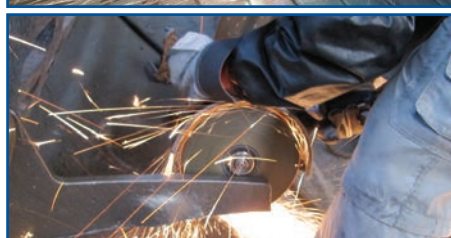
Angle grinders DEPRAG INDUSTRIAL with dust extraction

- efficient extraction at the place where dust is generated

The result: a clean working environment and best view of your work piece.



Dust extraction guard for angle grinders



GAT818-190BX

Advantages

- for industrial applications
- high power
- highly durable
- efficient
- ergonomic
- for an oil free 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 beveling of edges and the fabricating of steel, stainless-steel, brass, bronze-casting, aluminum parts, etc.



GBA030-013BX-200



GB050-025BX

Model	Part No.	Power output	Speed (no load)	I.D. of air inlet hose	Weight without air connection	Radial speed of grinding belt	Dimensions of grinding belt
		kW (hp)	min ⁻¹ (rpm)	mm (in)	kg (lbs)	m/s (ft/s)	mm (in)
300 W (.4 hp)							
Our vane motor belt-sanders are well suited for the grinding and polishing of even and curved surfaces. An exhaust hose is available with this sander, and this tool can function as a grinder with a collet as well.							
GBA030-013BX-200	830498A	0,3 (.4)	20 000	8 (.32)	0,9 (1.98)	19 (62.34)	13 x 305 (.51 x 12.01)
GBA030-013CX-200	830498B	0,3 (.4)	20 000	8 (.32)	1,2 (2.7)	19 (62.34)	13 x 305 (.51 x 12.01)
500 W (.67 HP)							
Our ergonomic vane motor belt sanders are well suited for the grinding and polishing of curved surfaces during heavy-duty operation. An integrated speed regulator helps the tool control and maintain a constant speed even under full load.							
GB050-025BX	6060932A	0,5 (.67)	16 000	10 (.39)	1,4 (3.09)	23 (75.44)	19 x 480 (.75 x 18.90)

Specifications at 90 psi (6,3 bar).



Contact Arms for Belt Sanders

DEPRAG, Inc. offers contact arms for belt sanders in different designs, shapes, sizes, and materials - particularly suited for any application.

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

The application range of the belt grinders is almost unlimited, due to the many different contact arms that we offer. The grinders can be used for standard vertical or horizontal grinding of edges and pipes. Different sizes 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 widths 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 efficient grinding, even in tight quarters. The contact-arms connects 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



GBA030-013CX-200



GB050-025BX



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

DEPRAG has a wide range of air vane motors designed for unique 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 hand-held pneumatic grinders. The robust steel housing guarantees high accuracy and operational reliability. Furthermore, the grinding spindle features extremely precise collets for various shaft diameters and assures high run-out accuracy.

Available power ranges: 150 W - 1.000 W (.2 -1.34 HP)

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



Actual and detailed information, showing the complete product line of DEPRAG air vane motors for grinding, can be found on our website www.depragusa.com or in catalog D6800. Please contact our product specialist for assistance with an application.

Stationary grinders DEPRAG INDUSTRIAL

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)	Max. Ø of flap wheel mm	Collet - clamping range Collet - standard equipment [optional accessories*] mm
GDS030-300BSV	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"]
GDS030-450BSV	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"]
GDS050-200BSV	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"]
GDS070-190BSV	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"]
GDS100-153BSV	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 (.5 HP)

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.depragusa.com or in 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: 80 W - 600 W (.1 - .8 HP)

Speed (no load): 150 - 24.000 rpm

Actual and detailed information, showing the complete product line of DEPRAG air vane motors for grinding, can be found on our website www.depragusa.com or in catalog D6800. 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 fine-precision polishing, heavy-duty rust removal on metal, removal of paint layers, coarse grinding of cast-iron and wood by using fiber disks



PLU50A-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	Collet clamping range
		kW (hp)	min ⁻¹ (rpm)	mm (in)	mm (in)	mm (in)	mm (in)	kg (lbs)	mm (in)

Polishers with pistol-grip

- Grinding and polishing - when used in a 24/7 operation
- The polisher PLU 50B comes equipped with an extended spindle W 1/4" for hard-to-reach areas and demanding applications such as automotive manufacturing.
- Push-button
- Comes equipped with an integrated speed regulator
- Vane motor

PLU50A-55ZK	6060670A	0,45 (.60)	21 000	50 (1.97)	35 (1.38)	9,5 (.37)	10 (.39)	0,8 (1.76)	6 (.24)
PLU50B-45ZK	6060671A	0,45 (.60)	17 800	50 (1.97)	35 (1.38)	-	10 (.39)	0,8 (1.76)	8 (.31)
PLU50C-40ZK	830499A	0,45 (.60)	15 000	50 (1.97)	35 (1.38)	-	10 (.39)	0,8 (1.76)	6,35 (.25)
PLU75A-70ZK	830499B	0,45 (.60)	17 800	75 (2.95)	-	-	10 (.39)	0,8 (1.76)	6 (.24)

Specifications at 90 psi (6,3 bar).

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 90° angle head

- 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



PA025-011SX



PA030-032BX

PA025-036SX	3149172B	0,25 (.34)	3 600	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA025-021SX	3149172C	0,25 (.34)	2 100	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA025-011SX	3149172D	0,25 (.34)	1 100	120 (4.72)	6 (.24)	0,9 (1.98)	M14
PA030-032BX	300146A	0,30 (.40)	3 200	120 (4.72)	6 (.24)	0,8 (1.76)	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 Facing upwards (Model PLU 180D-80X)
- Safety lever facing downwards (Model PLU 180E-80X)
- Comes equipped with an integrated speed regulator
- Vane motor



PLU180D-80X

PLU115A-80Z	826313A	0,46 (.62)	13 200	115 (4.53)	10 (.39)	1,4 (3.09)	M14
PLU180D-80X	826314A	1,2 (1.61)	8 500	180 (7.09)	13 (.51)	3,1 (6.83)	M14
PLU180E-80X	830499C	1,2 (1.61)	8 500	180 (7.09)	13 (.51)	2,7 (5.95)	M14

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
- Comes equipped with an integrated speed regulator
- Vane motor



PLP180A-40X

PLP180A-40X	6060663A	0,7 (.94)	4 000	180 (7.09)	10 (.39)	2,4 (5.29)	M14
PLP180B-40X	826716A	0,7 (.94)	4 000	180 (7.09)	10 (.39)	2,2 (4.85)	M14
PA070-060BYI	6061047A	0,7 (.94)	6 000	180 (7.09)	10 (.39)	2,0 (4.41)	M14
PA100-050BYI	6061047A	1,0 (1.34)	5 000	180 (7.09)	10 (.39)	2,7 (5.95)	M14

Angle turbine polisher, with gear

- Optimum Power-To-Weight ratio!

- Equipped with a Vulcan polishing disk, utilized for the polishing of casted parts, & welding seams.
- Oil-free and maintenance-free operation, exchange of vanes is not needed. Turbine motor does not require airline lubrication.
- low air consumption
- Perfect handling employing an anti-vibration side handle and ergonomic shape, change-over to left-handed operation possible.
- High operating safety machine automatically shuts-off at overload.
- The tool 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.
- Comes equipped with an integrated speed regulator

PAT260-085BX	310687G	2,6 (3.5)	8 500	180 (7.09)	13 (.51)	2,2 (4.85)	M14
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Specifications at 90 psi (6,3 bar).

POLISHERS - Orbital Sander / Radial Polisher

Orbital polisher - for precise and demanding polishing in the automotive industry - 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)	

Orbital 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
- Comes equipped with an integrated speed regulator
- Vane motor

PLUE125/150	828312A	0,15 (.20)	12 000	125 / 150 (4.92 / 5.91)	10 (.39)	0,9 (1.98)	5/16"-24UNF
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Specifications at 90 psi (6,3 bar).



PLUE125/150

Orbital Angle Polisher - for precise and demanding polishing in the automotive industry - 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	I.D. of air inlet hose	Weight without air connection	Spindle thread
		kW (hp)	min ⁻¹ (rpm)	mm (in)	mm (in)	kg (lbs)	

Orbital 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
- Comes equipped with an integrated speed regulator
- With gear for optimal working-speeds and the best polishing operations
- Vane motor

PAE020-120BX	300157A	0,20 (.27)	12 000	75 (2.96)	6 (.24)	1,0 (2.2)	5/16"-24UNF
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Specifications at 90 psi (6,3 bar).



PAE020-120BX



Advantages:

- for industrial applications
- optimum power-to-weight ration
- efficient and economical
- ergonomic
- highly durable
- simple operation

DRILLS - Inline Design, Power Output 120 - 310 W (.16 - 4.16 HP)

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



DS012-005PC

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 utilized for deburring - for vertical applications, push-to-start, collets with M12x1, clamping diameter of 3 – 9.5 mm. (.12 - .37 in.) deburring of holes up to 15 mm. (.6 in.) diameter, with commonly available burrs (90°). Spindle-lock for the simple locking and loosening of the drill bit. Rated torque 4.5 Nm. (39.8 in.lbs.) The gearing inside helps achieve optimal operating speed and meet the best-possible drilling result.

DS012-005PC	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).



DS029-045SXPB10

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)

These small drills equipped with drill-chucks are utilized for vertical applications. The gearing inside helps achieve optimal operating speed and meet the best-possible drilling result. Tapered chuck DIN 238 - B10, B12.

DS029-170SXPB10	3922131C	0,29 (.39)	17 000	6 (.24)	0,9 (1.98)	-	6 (.24)	0,5 - 6,5 / -
DS029-045SXPB10	3922131A	0,29 (.39)	4 500	6 (.24)	1,0 (2.20)	4 (.16)	6 (.24)	0,5 - 6,5 / 0,5 - 6
DS029-021SXPB12	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).

Drills - inline design - for drilling, reaming, and counter-sinking operations e.g., in machine-building and construction industries during 24/7 operation. The reversible drills specialize in the milling and tapping of pipes.



DS070-014ZMK1



DS310-002YRMK5

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 - for the drilling, grating, counter-sinking, tapping, and milling of pipes. Model No. (DS 070-014ZMK1) contains a fist-grip; all other models have T-handles (with integrated twist-valve for a start), located on the same axis. All drills with T-handles come equipped with spindle-feed and pilot wheel. The gearing inside helps achieve optimal operating speed and meet the best-possible drilling result.

Right-rotating drills with MORSE taper 700 W (.94 HP)

DS070-014ZMK1	3005661A	0,7 (.94)	1 400	15 (.59)	-	-	-	10 (.39)	3,5 (7.72)	1
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Reversible drills, with MORSE taper 1,1 - 3,1 kW (1.48 - 4.16 HP)

DS310-002YRMK5	3017171A	3,1 (4.16)	220	60 (2.36)	50 (1.97)	65 (2.56)	65 (2.56)	19 (.75)	34 (74.96)	5
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Advantages:

- for industrial applications
- ergonomic
- optimum power-to-weight ratio
- simple operation
- 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 - designed for use in the shipbuilding, aviation, automotive, and 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 or collet for drilling into steel, aluminum, and other materials; the gearing inside helps achieve optimal operating speed and meet the best-possible drilling result.

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, and the option of a twist valve or safety lever to start.

Drills with collet, angle-head 90°

DA025-140SXC	3148954A	0,25 (.34)	14 000	6 (.24)	0,9 (1.98)	-	6 (.24)	-	-	3 - 6
DA035-036SXC	3149191B	0,35 (.47)	3 600	10 (.39)	1,0 (2.20)	6 (.24)	6 (.24)	-	-	3 - 6
DA035-140SXC	3149191A	0,35 (.47)	14 000	10 (.39)	1,0 (2.20)	6 (.24)	10 (.39)	-	-	3 - 6

Drills with collet, angle-head 150°

DC020-040SZC	3027201L		4 000	6 (.24)	0,8 (1.76)	3 (.12)	4,48 (.18)	-	-	3 - 4,8
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DA035-036SXC

Model	Part No.	Power output	Speed (no load)	Drilling 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 for drilling, reaming and countersinking operations in close quarters. When equipped with an optional grip-tube, it is utilizable as a universal drill with equally beneficial results. All angle-drills contain a feed spindle 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 extremely tight work areas we offer reduced profile drill designs, without feed-spindle or pilot-wheel. All models of the design DA 150 to DA 220 contain 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)

DA048-010YMK1	3014471A	0,48 (.64)	1 000	15 (.59)	12 (.47)	-	-	10 (.39)	2,9 (6.39)	1
DA150-004YMK2	3010671A	1,5 (2.01)	400	23 (.91)	18 (.71)	-	-	15 (.59)	8,3 (18.30)	2
DA210-004YMK3	3010681A	2,1 (2.82)	400	32 (1.26)	27 (1.06)	-	-	15 (.59)	11,7 (25.79)	3
DA220-003YMK4	3010691A	2,2 (2.95)	300	50 (1.97)	36 (1.42)	-	-	19 (.75)	13,9 (30.64)	4

Reversible drills with MORSE taper

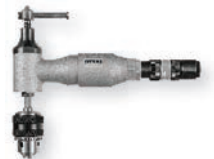
2,2 kW (2.95 hp)

DA220-004YRMK4	3010701A	2,2 (2.95)	400	55 (2.17)	50 (1.97)	40 (1.57)	55 (2.17)	19 (.75)	17 (37.48)	4
DA220-002YRMK5	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

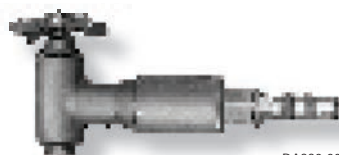
Specifications at 90 psi (6,3 bar).



DA220-004YRMK4



DA048-010YB16



DA220-003YMK4

Advantages:

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

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

Drills with pistol-grip - for the optimum drilling of different materials - designed for use in the aviation, automotive, and machine-building industries.

Model	Part No.	Power output	Speed (no load)	Drilling into steel to	Drilling into alu to	I.D. of air inlet hose	Weight without air connection	Chuck range	Drill chuck / Spindle thread
		kW (hp)	min ⁻¹ (rpm)	mm (in)	mm (in)	mm (in)	kg (lbs)	mm	
Robust drills with pistol-grip - for the manual drilling into metal, wood, plastics, and other materials. Available in two different designs, offering the best-possible handling - with offset handle design for pressure into the drill-axis mainly used for horizontal applications (type DP 040-...) or with pistol-grip design to absorb a higher torque (type DP 017-...). Drills of type PV...H - with combined air-and exhaust hose - ideal for dusty environments. Many drills allow for right - or left location through a reversible motor.									
DP017-040ZB10	3020181A	0,17 (.23)	4 000	4 (.16)	6 (.24)	6 (.24)	0,6 (1.32)	0,5 - 6	B10 / -
PV6A	826290A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	B10 / -
PV6AH	6060081A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	B10 / -
PV6A-B	830500A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	- / 3/8"x24
PV6A-BH	6060082A	0,21 (.28)	5 000	6 (.24)	6 (.24)	8 (.31)	0,7 (1.54)	0,5 - 6	- / 3/8"x24
PV6E	826290B	0,21 (.28)	5 000	6 (.24)	8 (.31)	8 (.31)	0,7 (1.54)	0,5 - 10 Q	- / 3/8"x24
PV6EH	6060083A	0,21 (.28)	5 000	6 (.24)	8 (.31)	8 (.31)	0,7 (1.54)	0,5 - 10 Q	- / 3/8"x24
DP029-170ZPB10	3027101F	0,29 (.39)	17 000	-	6 (.24)	6 (.24)	0,9 (1.98)	0,5 - 6,5	B10 / -
DP029-045ZPB10	3027101A	0,29 (.39)	4 500	4 (.16)	6 (.24)	6 (.24)	0,9 (1.98)	0,5 - 6,5	B10 / -
DP029-045ZB10Q	3027101C	0,29 (.39)	4 500	4 (.16)	6 (.24)	6 (.24)	1,2 (2.65)	- ¹⁾	B10 / -
DP029-021ZPB12	3027101B	0,29 (.39)	2 100	6 (.24)	8 (.31)	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP029-021ZB12Q	3027101D	0,29 (.39)	2 100	6 (.24)	8 (.31)	6 (.24)	1,0 (2.20)	- ²⁾	B12 / -
DP029-015ZPB12	3027101E	0,29 (.39)	1 500	8 (.31)	10 (.39)	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP029-007ZPB12	3027101G	0,29 (.39)	700	10 (.39)	-	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP029-004ZPB12	3027101H	0,29 (.39)	350	10 (.39)	-	6 (.24)	1,0 (2.20)	0,8 - 10	B12 / -
DP030-020ZRB12	6061165A	0,3 (.4)	2 000	6 (.24)	8 (.31)	8 (.31)	1,0 (2.20)	1 - 10	B12 / -
PV13C	830500B	0,35 (.47)	350	13 (.51)	13 (.51)	10 (.39)	2,0 (4.41)	2 - 13	- / 1/2"20 UNF
DP040-005ZB16	302965A	0,4 (.54)	470	13 (.51)	13 (.51)	10 (.39)	2,3 (5.07)	1 - 13	B16 / -
PV13B	826291A	0,5 (.67)	1950*	13 (.51)	13 (.51)	10 (.39)	2,5 (5.51)	2-13 Q	- / 1/2"20 UNF
PV16B	826292A	0,5 (.67)	850*	16 (.63)	23 (.91)	10 (.39)	3,2 (7.05)	3 - 16	B16 / -
DP060-037ZP3/8"	6061155A	0,6 (.8)	3 700	10 (.39)	10 (.39)	10 (.39)	1,1 (2.65)	0,8 - 10	- / 3/8"x24
DP060-060ZP3/8"	6061155B	0,6 (.8)	6 000	10 (.39)	10 (.39)	10 (.39)	1,1 (2.65)	0,8 - 10	- / 3/8"x24
PVR32A-04X	830500C	1,45 (1.94)	380	32 (1.26)	32 (1.26)	19 (.75)	9,5 (20.94)	-	Morse 3 / -
PV32A-04X	827119A	1,85 (2.48)	380	32 (1.26)	32 (1.26)	19 (.75)	9,5 (20.94)	-	Morse 3 / -

* 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).

Advantages:

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



DP029-015ZPB12



DP040-005ZB16

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

Tappers - for the tapping and cleaning of threads in materials such as steel, aluminum, and other alloys; designed for applications in the automotive, and machine-building industries. The tappers come equipped with a flexible chuck that perfectly guides the tap-insert and cuts a straight thread, even when held at a slight angle.

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

Tappers - in-line design

- Start and reverse by toggle lever or dual-trigger
- For universal thread cutting, suitable for the cutting of blind holes (optional accessories)
- The reverse trigger is activated by push-pull at almost double the speed
- Ideal tools for vertical applications
- Quick-change chuck included for secure tap-insert exchange

DS040-007BXR12	3027701A	0,25 (.34)	650	1 120	M6	M8	6 (.24)	1,5 (3.31)	3 - 9	B12
DS070-003BXR16	3028501B	0,7 (.94)	320	550	M14	M16	10 (.39)	2,9 (6.39)	3 - 9	B16

Tappers - pistol-grip

- Start and reverse by trigger
- For universal thread cutting, suitable for the cutting of blind holes (optional accessories)
- For difficult tapping applications

DP015-006ZRB10	3235131C	0,15 (.20)	620	660	M5	M6	6 (.24)	0,8 (1.76)	3 - 9	B10
DP030-007ZRB12	3023731A	0,3 (.40)	650	550	M8	M10	6 (.24)	1,5 (3.31)	3 - 9	B12
DP040-003ZRB16	302964 A	0,4 (.54)	300	250	M14	M14	10 (.39)	2,4 (5.29)	3 - 9	B16

Specifications at 90 psi (6,3 bar).



DS070-003BXR16



DP015-006ZRB10



DS040-007BXR12



DP040-003ZRB16

Advantages:

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

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

Impact tools - for the effective tightening and loosening of fasteners or screws, size M8 to M45 during heavy-duty 24/7 operation, which demands high performance, utmost reliability and operational efficiency in the automotive- and machine-building industries.



SMP110-3/4"ZA



PSR16



SMS265-1"ZA



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

Impact tools - with pistol-grip, 3-step torque adjustment

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

SMP030-1/2"ZA	6061166A	M10 - M16	300 (221)	120 - 260 (89 - 192)	15 000	20	10 (.39)	1,5 (3.31)
SMP085-1/2"ZA	6061149A	M12 - M22	850 (627)	200 - 650 (148 - 480)	9 900	23	10 (.39)	2,5 (5.51)
SMP110-3/4"ZA	6061210A	M10 - M30	1 100 (811)	150 - 920 (111 - 679)	6 000	15	12 (.47)	4,7 (10.36)

Impact tools - with pistol-grip

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

PSR16	826319A	M10 - M16	260 (192)	-	10 000	18	10 (.39)	2,3 (5.07)
PSR24	826320A	M14 - M24	680 (502)	-	16 500	16	10 (.39)	4,0 (8.8)

Impact tool - with fist-grip, 3-step torque adjustment

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

SMS265-1"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).

3-step torque adjustment

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

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
- Reliability



SMP085-1/2"ZA



HAMMERS - Chipping & Riveting Hammers

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

- Jointing, plastering, chiseling, and demolition work
- 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 used in the mold and cast industry
- Caulking, trimming, breaking, removal of plaster and different kinds of floor cove-rings, for the removal of casting flash



Advantages: ■ for industrial applications ■ highly durable ■ simple operation ■ robust

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

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

Model	Part No.	Type of chisel shank	Impacts	Rivet-Ø - alu	Rivet-Ø - steel	I.D. of air inlet hose	Weight without air connection
		mm	min ⁻¹ (rpm)	mm (in)	mm (in)	mm (in)	kg (lbs)

Chipping and riveting hammers, with protection cap

Our industrial hammers - designed for die casting-, container construction, shipbuilding, bridge construction, foundries, and welding shops; capable of rivet-busting and rivet-removal in the steel-construction of boilers and containers on ships.

With pistol-grip

HC007-R10P	2104091A	Ø 10,3x36	4 000	-	-	6 (.24)	0,7 (1.54)
HC007-HR12P	2104091B	Ø-hex. 11,7/10x36	4 000	-	-	6 (.24)	0,7 (1.54)
HC008-R10P	2103682A	Ø 10,3x36	3 500	3 (.12)	2 (.08)	6 (.24)	0,8 (1.76)
HC008-HR12P	2103682B	Ø-hex. 11,7/10x36	3 500	3 (.12)	2 (.08)	6 (.24)	0,8 (1.76)

Fist-grip design

HC010-HR14D	2103441B	Ø-hex. 14,3/12,5x50	3 000	5 (.20)	3 (.12)	10 (.39)	1,9 (4.19)
HC023-R14D	2103461A	Ø 14,3x50	2 000	6 (.24)	5 (.20)	10 (.39)	2,3 (5.07)
HC023-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 of boilers and containers on ships; well-suited for 24/7 operations.

HCD140-R31V	8119841A	Ø 31x70	750	25 (.98)	25 (.98)	16 (.63)	13,8 (30.42)
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Chipping hammers

- For the construction industry (light chipping- and demolition work, grooving, cleaning-off, plaster removal), foundry industry (cleaning of castings, removal of discard beads and welds), and in the stone industry (wedging, dressing). Our chipping hammer of type HC 040-H19B contains a needle scaling-down hammer, 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.

In-line design

HC010-H10B	6060006A	hex. 10x25	9 000	-	-	6 (.24)	1,0 (2.20)
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With pistol-grip

HC012-H14B	831332A	hex. 14x25	4 500	-	-	8 (.31)	1,2 (2.65)
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With lever

HC040-H19B	6060008A	hex. 19x50	2 700	-	-	13 (.51)	4,0 (8.82)
HC040-R20B	6060008C	Ø 20x60	2 700	-	-	13 (.51)	4,0 (8.82)
HC040-HR20B	6060008B	hex. Ø 20/17x60	2 700	-	-	13 (.51)	4,0 (8.82)
HC050-H19B	6060009A	hex. 19x50	2 500	-	-	13 (.51)	5,0 (11.02)
HC050-R20B	6060009C	Ø 20x60	2 500	-	-	13 (.51)	5,0 (11.02)
HC050-HR20B	6060009B	hex. Ø 20/17x60	2 500	-	-	13 (.51)	5,0 (11.02)
HC057-H19B	6060010A	hex. 19x50	2 100	-	-	13 (.51)	5,7 (12.57)
HC057-R20B	6060010C	Ø 20x60	2 100	-	-	13 (.51)	5,7 (12.57)
HC057-HR20B	6060010B	hex. Ø 20/17x60	2 100	-	-	13 (.51)	5,7 (12.57)

With retainer spring

HC080-R20V	8119811C	Ø 20x60	1 200	-	-	13 (.51)	7,8 (17.20)
HC 080-HR20V	8119811E	hex. Ø 20/17x60	1 200	-	-	13 (.51)	7,8 (17.20)

Specifications at 90 psi (6,3 bar).



HC008-R12P



HC008-R10P



HC010-H10B



HC012-H14B



HC040-H19B



HC080-HR20V

HAMMERS - Pick Hammers, Spade (breaking) Hammers, Impact Hammers, Scaler

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



HP090-H22B

Model	Part No.	Type of chisel shank	Impacts	I.D. of air inlet hose	Weight without air connection
		mm	min ⁻¹ (rpm)	mm (in)	kg (lbs)
Pick hammers - due to the weight of these hammers; it is possible to work in the vertical- or inclined planes of quarries and construction sites.					
HP090-R25B	6060011A	Ø 25x75	1 590	16 (.63)	9,0 (19.84)
HP090-H22B	6060012A	hex. 22x82	1 590	16 (.63)	9,0 (19.84)
HP100-H22B	6060013A	hex. 22x82	1 590	16 (.63)	9,0 (19.84)
HP100-R25V	6060014A	Ø 25x75	2 040	16 (.63)	10,0 (22.05)
HP101-R25B	2501841A	Ø 25x75	1 200	16 (.63)	10,3 (22.71)
HP101-R25D	2501841B	Ø 25x75	1 200	16 (.63)	10,3 (22.71)
HP120-R25V	6060015A	Ø 25x75	1 260	16 (.63)	12,0 (26.46)
HP130-R25B	6060016A	Ø 25x75	1 260	16 (.63)	13,0 (28.67)

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



HR085-R60V



HR042-MK2B

Model	Part No.	Impacts	Piston stroke	Piston-Ø	MORSE taper	I.D. of air inlet hose	Weight without air connection
		min ⁻¹ (rpm)	mm (in)	mm (in)		mm (in)	kg (lbs)
Impact hammers with MORSE taper - These industrial hammers are utilizable 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 cement- and stone production. The hammer HR 025-R40B is especially suitable for table-top operation or for small surfaces, e.g., for ramming small core boxes. Other hammers are used for packing mold materials and wherever loose materials are being processed. The low tool vibration during use assists with operator fatigue.							
HR025-R40B	6060020A	1 200	80 (3.15)	20 (.63)	-	10 (.39)	2,5 (5.51)
HR085-R60V	6060021A	870	220 (8.67)	32 (1.26)	2	13 (.51)	8,5 (18.74)
HR105-R60V	6060022A	780	140 (5.51)	36 (1.42)	2	13 (.51)	10,5 (23.15)
HR042-MK2B	2701441A	850	120 (4.72)	28 (1.10)	2	13 (.51)	4,2 (9.26)
HR069-MK2B	2701091A	850	120 (4.72)	28 (1.10)	2	13 (.51)	6,9 (15.21)
HR093-MK2B	2701571A	650	160 (6.30)	32 (1.26)	2	13 (.51)	9,3 (20.50)

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 other areas, such as the de-barking of trees or removal of burrs and street asphalt.



HS043-H19B

Model	Part No.	Type of chisel shank	Impacts	I.D. of air inlet hose	Weight without air connection
		mm	min ⁻¹ (rpm)	mm (in)	kg (lbs)
Scaler - applicable for a wide range of applications (e.g., light demolition works, grooving, punching, removal of chips in foundries)					
HS043-H19B	6060023A	hex. 19x50	2 700	13 (.51)	8,5 (18.74)

Specifications at 90 psi (6,3 bar).



NEEDLE SCALERS - Inline Design, Pistol-Grip

Needle Scalers Designed -for the removal of welding seams, rust, paint, and scale on steel -for the cleaning of castings, facades in construction, and 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 - in-line design						
<ul style="list-style-type: none"> Perfect for small and mid-sized operations Ideal for close working environments where a pistol-grip cannot reach. 						
SN23	831125A	12	Ø 3x180 (Ø.12x7.09)	4 000	10 (.39)	2,4 (5.29)
Needle scalers with pistol-grip						
<ul style="list-style-type: none"> For rust removal and simple cleaning (type SN 10) For mid-sized operations (type SN 25) For 24/7 operations (type SN 30) 						
SN10	831124A	29	Ø 2x150 (Ø.08x5.91)	4 000	10 (.39)	1,4 (3.09)
SN25	831126A	23	Ø 3x180 (Ø.12x7.09)	4 000	10 (.39)	2,7 (5.95)
SN30	831127A	28	Ø 3x180 (Ø.12x7.09)	4 500	10 (.39)	3,5 (7.72)

Specifications at 90 psi (6,3 bar).



SN23



SN25



SN30

Advantages:

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

SHEET METAL TOOLS - Metal Shears

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	Max. metal thickness mm (in)				Smallest cutting radius	I.D. of air inlet hose	Weight without air connection
			Steel metal up to 400 N/mm²	Steel metal up to 600 N/mm²	Steel metal up to 800 N/mm²	Aluminium up to 250 N/mm²			
		kW (hp)					mm (in)	mm (in)	kg (lbs)
Metal shears - with a material cutting capacity up to 2.5 mm (.1 in.), 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).

Advantages:

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



S20-180Y



PLIERS - for Cutting

Air plier Capabilities:

- 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
- Simultaneous cutting and 90° angle forming of wire ends of electronic components
- Pressing of cable joints
- **Protecting against the negative effects on operators during 24/7 operations.**



Pliers for sealing and stamping seals

DEPRAG, Inc. offers air pliers for sealing and stamping seals.

For More information visit our website at www.depragusa.com.

Pliers - for industrial cutting during series production in the automotive, machine-building, and white-good industries.

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)
Pliers for cutting - with trigger and integrated lever-lock to avoid an unintentional start				
• For the cutting of copper, aluminum, beryllium, silver, Thermo/Duroplast plastic, and steel				
• Design for cutting, wire end flattening, 90° angle forming, and the removal of wire end on electronic components.				
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)
Pliers for cutting, with safety lever, for heavy-duty applications - for increased longevity				
• For the cutting of copper, aluminum, beryllium, silver, Thermo/Duroplast plastic, and steel				
• Design for cutting, wire end flattening, 90° angle forming, and the removal of wire end on 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)

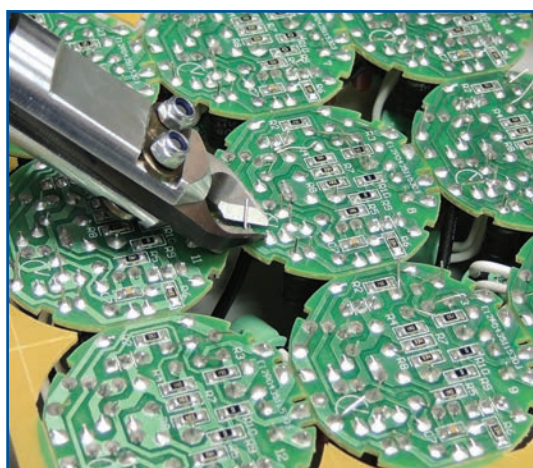
Specifications at 90 psi (6,3 bar).



P0241Z-C00



P0452Z-C00



P1361Z-C00



P0453X-C00

Advantages:

- The capable cutting power of 11,850 N
- simple operation
- highly durable
- pliers inserts are available in two executions

PLIER INSERTS for Cutting Pliers (Optional Accessories)

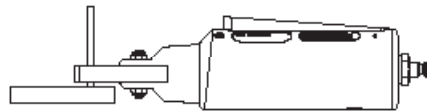
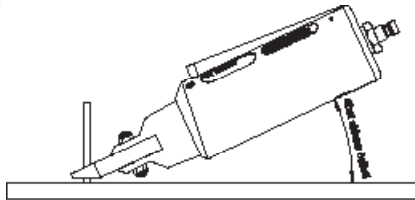
DEPRAG plier inserts are available with straight - or angled cutting blades. They can be designed for angled cuts or straight cuts and are even available as replaceable triangular cuts. We offer metal cutting inserts, one side of the insert has an edge, and the other is designed to be the counter-holder (the anvil). Synthetic materials require a different cutting technology where both sides of the insert have 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>H2</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>HK2</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)
Pliers 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).



P0383X-P00-I90CL08



P0383X-S00-I90R08



P0383X-P00-I90CO



P0383X-P00-IFE

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



P0383-P00-I90CO



P0383X-P00-IFE

Advantages:

- maximum squeeze force of 4,500 N
- simple operation
- highly durable

SAWS - Jig Saws, Chain Saw

Jigsaws are designed for the hand-guided cutting of metal and plastic components in the machine-building and wood-fabricating industry.



PPP35AX

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

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

PPP35AX	830503A	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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SS150-280BX

Model	Part No.	Power output kW (hp)		Strokes per min. (no load) min ⁻¹ (rpm)	Stroke of saw blade mm (in)	Max. length of saw blade mm (in)	Dimensions of saw blade (standard equipment) mm (in)	I.D. of air inlet hose mm (in)	Weight (without clamping device) kg (lbs)
		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)
- Integrated speed regulator assures perfect and constant cutting conditions
- Optionally equipped with an integrated clamping device which allows deeper cutting - up to 300 mm. (11.81 in).

SS150-280BX	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).

Chain saw- for the cutting of different materials in heavy-duty 24/7 industrial operations, such as the machine-building and wood-fabricating industries. The saw is also ATEX compliant and capable of use in potentially explosive environments.



SH150-180BX

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 air connection kg (lbs)
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Chain saw - ATEX-compliant IM2cXIIGcIIBT4 (130°C) X

- 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 & cutting speeds
- Equipped with an integrated safety brake for emergency stop
- Automatic chain lubrication
- Possible motor speed regulation by a lever
- Simple to operate and maintain

SH150-180BX	6061125A	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)



Advantages:

- for industrial application
- highly durable
- high cutting speed
- robust
- user friendly and power



PPP35AX



SH150-180BX

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 especially well-suited for the tightening of screws in the assembly and maintenance sector, which may also be 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)
Impact tools - with pistol-grip - ATEX-compliant IM2cXII2GDcIICT6(80°C)X, without 3-step torque adjustment								
• Safety lever / trigger								
SMP026-1/2"ZEX	6061104A	M10 - M16	260	10 000	14	1/2"	10 (.39)	2,3 (5.07)
SMP068-3/4"ZEX	6061097A	M14 - M24	680	6 500	14	3/4"	10 (.39)	4,0 (8.82)
SMP140-3/4"ZEX	6061105A	M16 - M30	1 400	4 600	14	3/4"	16 (.63)	8,7 (19.18)
Impact tool - inline design with fist-grip - ATEX-compliant IM2cXII2GDcIICT6(80°C)X, without 3-step torque adjustment								
• Safety lever								
SMS210-1"XEX	6061106A	M20 - M36	2 100	3 600	11	1"	16 (.63)	10,5 (23.15)
Impact tool - in-line design with fist-grip - ATEX IM2cXII2GDcIICT5(100°C)X, 3-step torque adjustment								
• Trigger								
• Maximum power - maximum efficiency - ideal for repetitive production e.g., in the automotive industry								
• The unique, and robust construction of our impact tools assure reliable operation in industrial areas with 24/7 operations.								
SMS265-1"ZAEX	6061222B	M24 - M45	2 650	6 000	13	1"	16 (.63)	15,2 (33.51)



SMP026-1/2"ZEX



SMS210-1"XEX



SMS265-1"ZAEX

Specifications at 90 psi (6,3 bar).

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.

Rock drills - for manual drilling equipped with a drill bit (not supplied with the tool), for soft and semi-solid soil, slate, clay, and other similar materials 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)
Rock drill, right rotated - ATEX-compliant IM2cXII2GDcIICT6(80°C)X								
• Safety lever								
• The machine incorporates a central water-flush feature that reduces dust buildup caused by drilling.								
DP220-011BXOEX	6061107A	2 200 (2.95)	1 100	42 (1.65)	38-42 (.50-1.65)	19 (.75)	6 (.24)	7,6 (16.75)
Rock drill, First Worldwide ATEX Compliant drill for potentially explosive environments - IM2cXII2GDcIICT6(80°C)XIM2c								
• Right rotation								
• Safety lever								
• Equipped with a turbine motor								
• No airline lubrication required allowing for an oil-free operation								
• This tool reaches a high torque of 45 Nm (400 in.lbs.) at maximum power! An integrated speed regulator helps the tool control and maintain a constant speed, guaranteeing an extremely long lifespan. The total weight of the device is only 8.7 kg (19 lbs.), and therefore, the power-to-weight ratio is an advantage!								
DPT450-011BXOEX	6061253A	4,5 (6.00)	1 100	42 (1.65)	38-42 (.50-1.65)	19 (.75)	-	8,7 (19.18)



DP220-011BXOEX



DPT450-011BXOEX

Specifications at 90 psi (6,3 bar).

DEPRAG offers a straight saw of type SS 150-280BX, and a chain saw of type SH150-180BX, both saws are ATEX compliant and capable of use in potentially explosive environments. Learn more on page 29.



Advantages:

- ATEX-compliant
- enhanced safety features
- simple operation
- highly durable

OTHER AIR TOOL - Files, Air assembly tool, End-of Arm-Tooling for Grinding/Polishing

DEPRAG, Inc. carries specially adapted tools that perfectly fit any application.

Please contact one of our product specialists for assistance with any application needs.

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.



FS905-630BY

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

- Designed for fast & efficient filing, sanding, and deburring - Optimal power to weight ratio
- Quick & easy file exchange
- four optional file attachments available - rat tail file, triangular taper file, half-round file, flat-leaf file

FS905-630BY	6061238A	6 300	9 (.35)	5 (.20)	6 (.24)	0,5 (1.10)
FS404-900BU	6061293A	9 000	4 (.16)	3 (.12)	6 (.24)	0,4 (.88)
FS911-370BU	6061407A	3 700	9 (.35)	6,5 (.25)	6 (.24)	1,1 (2.20)

Specifications at 90 psi (6,3 bar).

Air assembly tools designed for the insertion of plastic rivets in the electrical engineering industry, and the manufacturing of white goods



WP361-045BZA-077/150

Model	Part No.	Diameter/Active length of plastic rivet mm (in)	Max. work stroke mm	Pressure force N	I.D. of air inlet hose mm (in)	Weight without air connection kg (lbs)
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Air assembly tool for insertion of plastic rivets

Applications: Cable tray assembly, plastic rivet insertion- in the electrical engineering, and white goods industries. These assembly tools are well suited for 24/7 operation. This air tool is designed to reduce your production efforts by reducing cycle times. Note: designed to accept specific connection rivets.

WP361-045BZA-077/150	6061261A	7,7/15 (3.03/.59)	45 (1.77)	610	10 (.39)	1,2 (2.65)
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Specifications at 90 psi (6,3 bar).



The application-extension of this tool can be adjusted depending on the dimensions of the plastic rivet.

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 products also depend on using the correct air connections, appropriate air distribution throughout the facility, and regular maintenance. The operator's comfort while using our tools is influenced by selecting the proper accessories. All this is a part of our product offering and technical consultation by our product specialist.

Accessories for air tools

- Collets, integrated sockets for impact tools, carbide burrs
- Inserting tools (chisels) for air hammers
- Maintenance units - combination filter / lubricator
- Balancers
- Polyurethane spiral hoses
- Quick connect couplers
- Air Plugs
- Hose nozzles
- Hose connectors
- Reducers
- Double-threaded connectors
- Flow distributors
- Lubrication oil
- Blowguns (pistol-grip)
- 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 reputations on the market due to never-ending technical developments that are important to keep the cost of maintenance and repair to the lowest possible level.

DEPRAG INDUSTRIAL tools fulfill the highest requirements of quality, precision, and longevity.

DEPRAG offers an individual training program, tailored to our customer's applications and the air tools they use. We utilize our service center, which includes a complete repair facility for all our products. Our spare parts warehouse guarantees a fast response time for all our customer's needs.

Whether at our facility or our customer's, we will adapt our service to fit their needs.

ADVANTAGES OF INDUSTRIAL AIR TOOLS

The main advantage of the air motor is its high-performance density, which is only about 1/5th the mass and 1/3rd of the size of an electric motor with 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 and a wide field of alternating loads. The power output is adjustable by changing the operating pressure, and the speed is perpetually variable by the reduction of the air volume.

■ Load Capacity

The air-motor can quickly 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 without damaging the motor!

■ Temperature behavior

Expanding air cools the motor when the load increases. When the motor is idle, there may be a rise in temperature. The motor is therefore temperature-insensitive and overheating through over-load is practically impossible.

■ Exhaust

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

■ Vane Motor

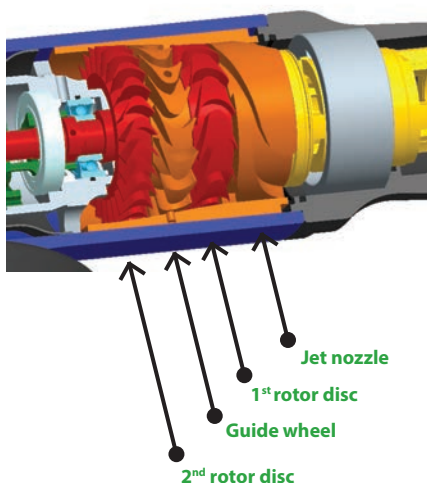
The principle of the air vane motor is a simple one; compressed air causes the rotor to turn inside an eccentric cylinder. There are vanes, guided by slots in the rotor, which are pushed outwards against the cylinder wall by centrifugal force. Working chambers are formed for the compressed air. Expansion of the compressed air transforms the pressure energy into kinetic energy, and rotational movement is generated.

■ 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 any 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 airflow. The residual energy is transformed in the second rotor disc. A turbine is a turbomachine, which does not need tangential sealing. The 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 of air tools

- Optimum power-to-weight ratio
- Capable of work in dirty 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 INDUSTRIAL offers professional tools for almost any application case.

Applications:

- Foundries
- Offshore industry
- Automotive industry
- Machine building
- Steel building
- Shipbuilding
- Aircraft building
- Construction industry
- Mining, quarries
- Sculpture and fabricating
- Household goods
- Maintenance and assembly departments



OPERATING CONDITIONS FOR THE USE OF AIR TOOLS

Air tools operating conditions

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 safety goggles! Please verify that all airlines 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. is required to avoid a loss of power. Our tools require lubricated air only unless otherwise specified. For optimal results use 1 -2 drops of oil per 1m³ on the tool.

The air supply to the machine needs to be filtered. The maintenance unit, valves, and silencers have to be selected according to the amount of air consumption by the tool (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 the airflow of (max.) 6.3 bar/90 PSI. A higher pressure leads to increased wear and tear. 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 oil-free air, a performance reduction occurs & maintenance intervals increase!

Connect the machine as follows:

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

Concerning 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.

Check regularly that the (measured) speed of the machine is not higher than specified on its tag (or in the 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 adequately 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 the tool and the 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. Before operating the tool, make sure that the abrasive product is tightly secured.

Verify that the abrasive product is not wobbling or loose before 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 the tools & the air supply with all its connections - coordinate maintenance intervals by considering the level of usage of the tool and the application environment.

RULES OF CONNECTING AIR TOOLS TO AN AIR DISTRIBUTION GRID

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 require maintenance units, consisting of a filter, oiler, and regulator
- Coordinate maintenance intervals to insure the tools longevity
- All maintenance units should be easily accessible for easy verification of the tool's 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)



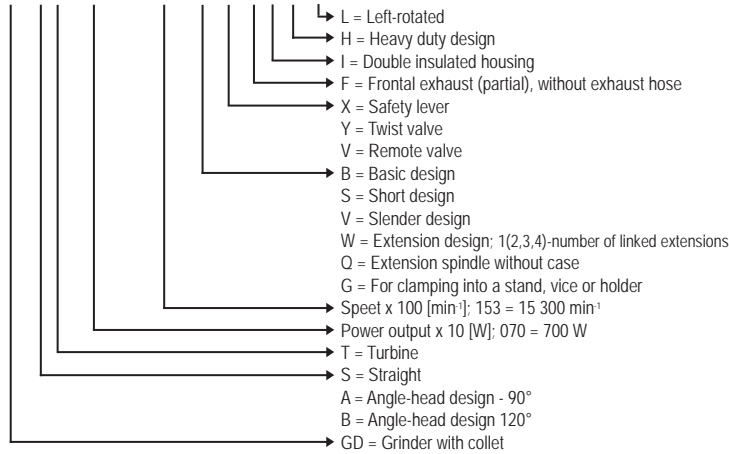
We offer a variety of air connection accessories. Our experienced sales staff can help you choose the correct connection to ensure the right performance of your DEPRAG tools. Please contact our product specialists!

TYPE KEY - PNEUMATIC TOOLS DEPRAG INDUSTRIAL

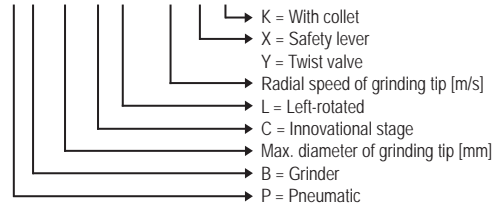
Type key - grinders / polishers

Grinders with Collet

GDST 070 - 153 B X F I H L

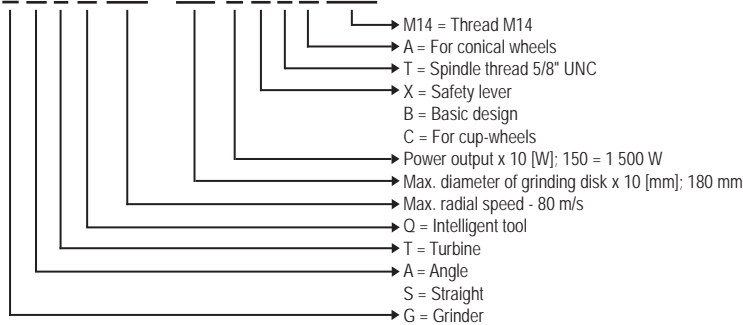


PB 35 C L - 45 Y K

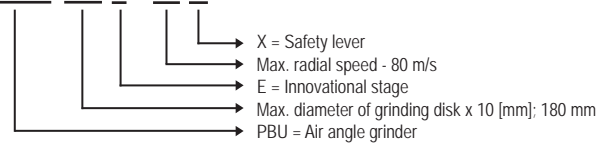


Grinders with Grinding Wheel

G A T Q 818 - 150 B X T A M14

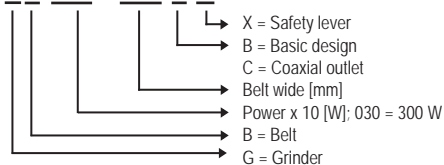


P B U 180 E - 80 X



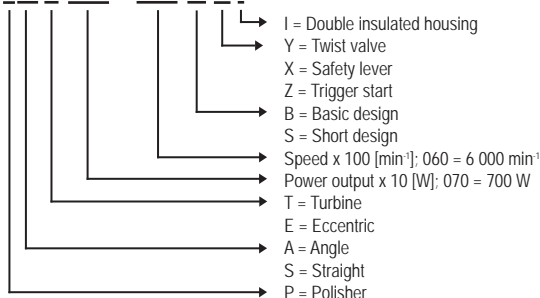
Belt Sanders

GB 030 - 013 B X

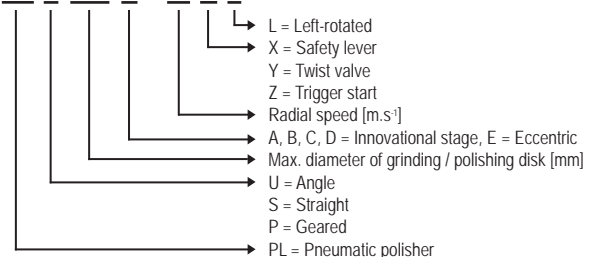


Polishers

PA T 070 - 060 B Y I



PL U 180 B - 80 X L

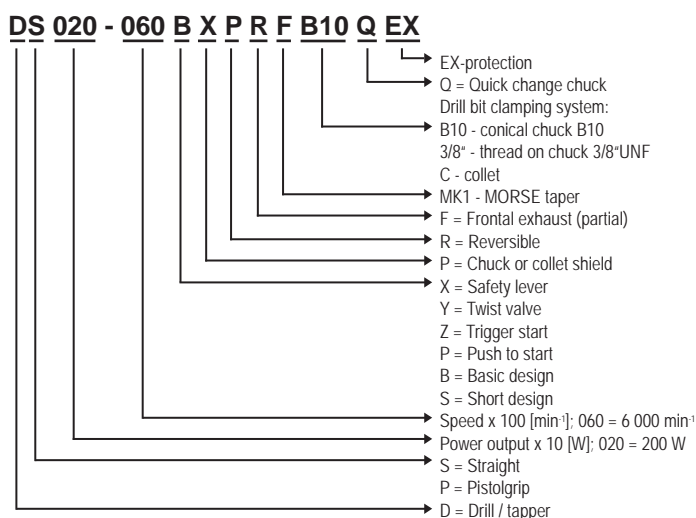


TYPE KEY - PNEUMATIC TOOLS DEPRAG INDUSTRIAL

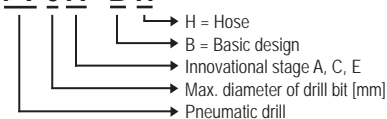
Type key

- drills / tappers / impact tools / saws / hammers / files / metal shears / needle scalers / pliers

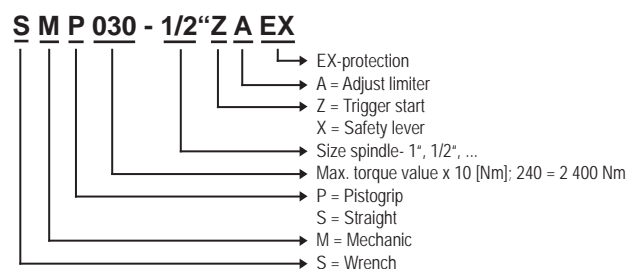
Drills / Tappers



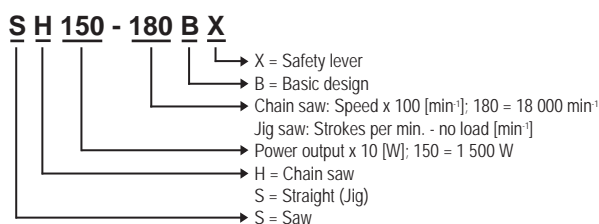
PV 6 A - B H



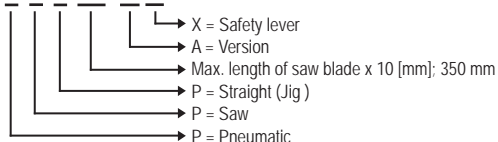
Impact tools



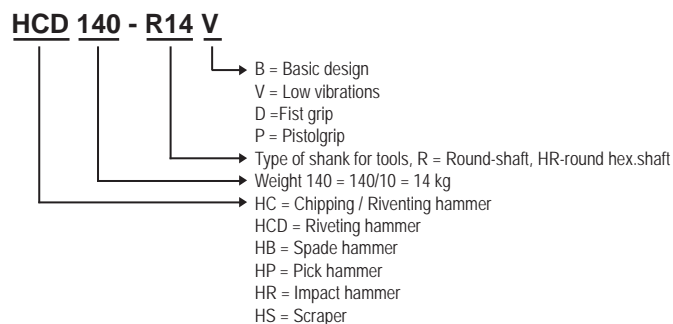
Saws - chain saw, jig saw



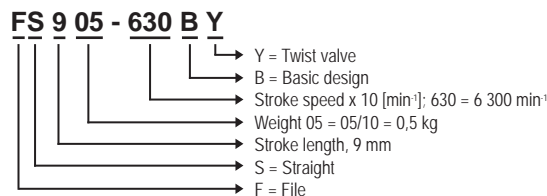
P P P 35 A X



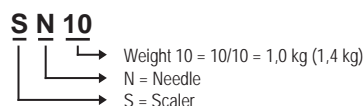
Hammers



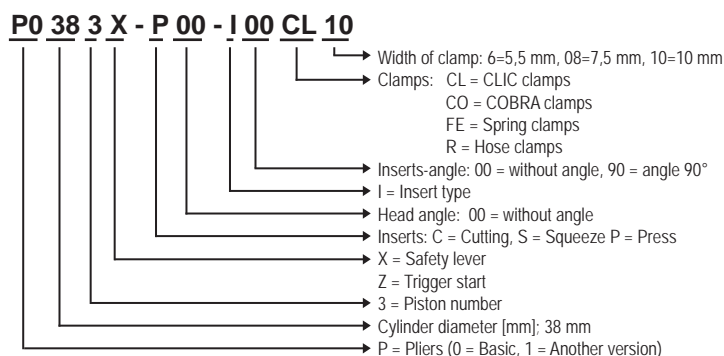
Files



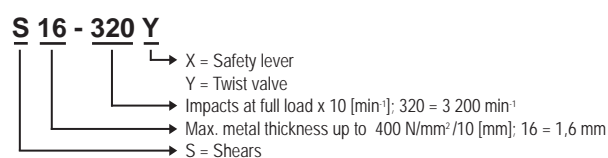
Needle scalers



Pliers



Metal shears



DEPRAG
machines unlimited



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