

Newsletter No. CZ 4 – 12.12.2008

To: All International Partners
Pages: 8
Attachments: 1 Excel file containing our newest prices

Dear DEPRAG-INDUSTRIAL Associate,

We take the opportunity to inform you about new products that were added to our product line. Detailed technical information and pictures, as well as a catalog in PDF-format can be found on our website www.depragindustrial.com.

Content:

- **Top-Speed-Grinder GDS 009-1000BY**
- **Pneumatic Tappers DS 040, DS 070 (Straight); DP 015, DP 030, DP 040 (Pistolgrip)**
- **Pneumatic Drills DS 020, DS 029 (Straight); DP 017, DP 029, DP 040 (Pistolgrip)**
- **Pneumatic Drills DS 029 (Straight, with Chuck)**
- **Pneumatic Angle Drills DA 020, DC 020 (with Collet); DA 020, DA 025 (with Chuck)**
- **Pneumatic Angle Drills DA 020 (Modular-System)**
- **Pneumatic Grinder for Milling GDS 035-023BX**

Top-Speed-Grinder
GDS 009-1000BY

Model No.	Part No.
GDS 009-1000BY	3146441E

Product Details:

High-speed midget grinders are used for grinding, for deburring and also for the treatment of non-metallic materials, especially when used with high-grade steel inserts at a very high speed.

The technical difficulty in obtaining such speeds are hampered by the common air-motor that needs to output sufficient power, the loss of speed under load and the general insufficient durability of an air-motor with vanes. The other option is to use a turbine motor with additional gearing, which is expensive and does not offer the best solution.

The DEPRAG INDUSTRIAL Top-Speed-Grinder with a modernized gear-motor, incorporates all of these advantages, such as high power output, consistent high speed, robustness and oilfree use, without any of the previous mentioned disadvantages.

The best results when removing surfaces or when trying to obtain top surface quality, depends primarily on the speed under load and the use of the best-suited tooling. Compared to a vane-motor, the advantage of this new high-speed gear-motor is in limiting the speed loss under power. The speed- loss of an already low-speed vane-motor amounts to about 50% under load, whereby the new gear-motor only loses about 30%. Because of the no-friction operation of the motor-parts, the wear and tear is greatly reduced and the frequent replacement of vanes is a thing of the past!

The integrated materials of the power-drive allow an oilfree operation, without any loss of power or speed.

The extreme high precision (<0.03 mm) of the integrated collet is superior to any collets offered by our competitors. They offer an increased longevity, they increase the quality of the material surface while simultaneously reducing the tools' vibration.

Independent from the technical data, the state-of-the-art ERGONOMIC design contributes heavily to a positive production result. The asymmetric form allows an individual comfortable grip and a non-slip orientation in the hand.

The rear exhaust removes unpleasant exhaust-air from the operator and the workstation. The integrated silencer reduces the noise level to a comfortable 72 dB(A)

Advantages:

- **Optimum surface removal and surface quality by use of a speed consistent gear-drive**
- **High repeatability due to gear-motor without vanes**
- **Oilfree operation without loss of power**
- **Best Ergonomic Shape**
 - **Housing Grip**
 - **Housing Material**
 - **Noise Level**
 - **Handling**

The grinder GDS 009-1000BY is a standard product of DEPRAG INDUSTRIAL; please ask for availability. Official date of sale: December 1st, 2008.

Specifications

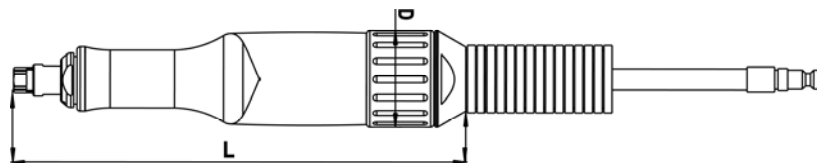
Twist Valve		GDS 009-1000BY
Speed (no load)	min ⁻¹	100.000
Max. power output	W	90
Air consumption (no load)	m ³ .min ⁻¹	0,2
Weight (without hoses)	kg	0,2
Noise Level	dB(A)	72
Max. Ø of grinding tip	mm	5
Max. Ø of grinding insert	mm	3
I.D. of air inlet hose	mm	4
Length of supply/exhaust hose	m	2 / 0,4
Dimensions Ø DxL	mm	Ø 31 x 158

Specifications at 90 psi (6,3 bar)



Top-Speed-Grinder GDS
009-1000BY

Technical Data – Dimensions:



Pneumatic Tappers

DS 040, DS 070 (Straight), DP 015, DP 030, DP 040 (Pistolgrip)

Model No.	Part No.
DS040-007BXR12	3027701A
DS070-003BXR16	3028501B
DP015-006ZRB10	3235131C
DP030-007ZRB12	3023731A
DP040-003ZRB16 *	302964 A

Straight

Pistolgrip

Product Details:

The Tapper Model series „DP“ is primarily used for the tapping of threads into steel, aluminum and other alloyed materials.

These Tappers offer a cutting capacity of up to M14-threads into steel. To re-tap existing threads up to a size of M16, we offer two different designs:

- Pistolgrip, start and reverse by slide-trigger or dual-trigger (for horizontal access)
- Inline, start by lever, reverse through automatic „push-pull“ at approx. double the speed (for vertical access)

* The Tapper DP 040 is in our Assortment effective December 1st, 2007.

These pneumatic tappers are not standard products DEPRAG INDUSTRIAL.

Official date of sale: December 1st, 2008.

Specifications

Specifications	Pistolgrip			Straight	
	DP015-006ZRB10	DP030-007ZRB12	DP040-003ZRB16	DS040-007BXR12	DS070-003BXR16
Tapping into steel	M 5	M 8	M 14	M 6	M 14
Tapping into aluminium	M 6	M 10	M 14	M 8	M 16
Tap holder capacity – Pendelfutter	mm 3 - 9	3 - 9	3 - 9	3 - 9	3 - 9
Tap holder capacity – Taper DIN 238	mm B 10	B 12	B 16	B 12	B 16
Speed (no load) right	min ⁻¹ 620	650	300	650	320
Speed (no load) left	min ⁻¹ 660	550	250	1120	550
Air consumption (no load)	m ³ .min ⁻¹ 0,35	0,4	0,5	0,4	0,9
Max. power output	kW 0,15	0,3	0,4	0,25	0,7
Distance from spindle center to outsider of housing	mm 15	22	27	20	25
Lenght	mm 193	260	279	295	390
Weight	kg 0,8	1,5	2,4	1,5	2,9
I.D. of air inlet hose	mm 6	6	10	6	10
Connection thread	G 1/4a	G 1/4a	G 3/8	G 1/4a	G 3/8a

Specifications at 90 psi (6,3 bar)

Pneumatic Drills

DS 020, DS 029 (Straight), DP 017, DP 029, DP 040 (Pistolgrip)

Model No.	Part No.
DS020-040SXPB10	6060101 A
DS029-170SXPB10	3922131C
DS029-045SXPB10	3922131A
DS029-021SXPB12	3922131B
DP017-040ZB10	3020181A
DP029-170ZB10	3027101F
DP029-045ZB10	3027101A
DP029-045ZB10Q	3027101C
DP029-021ZB12	3027101B
DP029-021ZB12Q	3027101D
DP029-015ZB12	3027101E

DP029-007ZB12	3027101G
DP029-004ZB12	3027101H
DP040-005ZB16 *	302965 A

- Straight
 Pistolgrip

Product Details:

The pneumatic Drill series „DP“ is for the manual drilling into metal, wood, plastics and other materials. The maximum diameter of the drill-bit can be seen below in the specifications of each individual drill. These drills have a capacity of up to 13-mm into steel and they are available in two different designs, offering the best-possible handling:

- „Offset handle“ design for pressure into the drill-axis, mainly used for horizontal applications (Type DP029-...)
- With pistolgrip design to absorb a higher torque (Type DP017-...)

* The Drill Model No. DP 040 will be available effective December 1st, 2007.

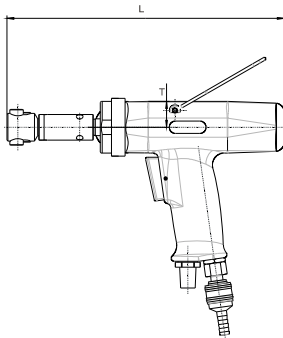
**These pneumatic drills are not standard products DEPRAG INDUSTRIAL.
Official date of sale: December 1st, 2008.**

Specifications

Pistolgrip Drill Chuck	DP017-040ZB10	DP029-170ZB10	DP029-045ZB10	DP029-021ZB12	DP029-015ZB12	DP029-007ZB12	DP029-ZB12	DP040-005ZB16
Pistolgrip Quick-change drill chuck	-	-	DP029-045ZB10Q	DP029-021ZB12Q	-	-	-	-
Drilling into steel mm	4	-	4	6	8	10	10	13
Drilling into aluminium mm	6	6	6	8	10	-	-	13
Capacity -Drill chuck mm	0,5 - 6	0,5 – 6,5	0,5 – 6,5	0,8 – 10	0,8 – 10	0,8 – 10	0,8 – 10	1 – 13
Capacity – Quick-change drill chuck mm	-	-	0,5 - 6	0,5 - 8	-	-	-	-
Drill chuck DIN 238	B10	B10	B10	B12	B12	B12	B12	B16
Speed (no load) min ⁻¹	4000	17000	4500	2100	1500	700	350	470
Air consumption (no load) m ³ .min ⁻¹	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,5
Max.power output kW	0,17	0,29	0,29	0,29	0,29	0,29	0,29	0,4
Distance from spindle center to outsider of housing mm	15	19,5	19,5	19,5	19,5	19,5	19,5	27
Length mm	190	195	195	195	220	220	220	240
Weight kg	0,6	0,89	1	1	1	1	1	2,3
I.D. of air inlet hose mm	6	6	6	6	6	6	6	10
Connection thread	G 1/4a	G 1/4a	G 1/4a	G 1/4a	G 1/4a	G 1/4a	G 1/4a	G 3/8 a

Specifications at 90 psi (6,3 bar)

Technical Data – Dimensions:



Pneumatic Tapper
DP 040-003ZRB16



Pneumatic Drill
DP 040-005ZB16



Pneumatic Drills DS 029 (Straight, with Chuck)

Model No.	Part No.
DS029-170SXPB10	3922131C
DS029-045SXPB10	3922131A
DS029-021SXPB12	3922131B

Product Details:

Pneumatic drills to 10 mm (13/32") for drilling into steel are available in three series, straight, safety lever, for vertical working.

These pneumatic drills are not standard products DEPRAG INDUSTRIAL.

Official date of sale: December 1st, 2008.

Specifications

Straight Drills, with chuck	Model	DS 029-170SXPB10	DS029-045SXPB10	DS029-021SXPB12
Drilling into steel	mm	-	4	6
Drilling into aluminium	mm	6	6	8
Capacity				
- Drill chuck	mm	0,5 – 6,5	0,5 – 6,5	0,8 – 10
- Quick change drill chuck	mm	-	0,5 - 6	0,5 - 10
Drill chuck DIN 238		B 10	B 10	B 12
Speed (no load)	min ⁻¹	17000	4500	2100
Air consumption (no load)	m ³ .min ⁻¹	0,35	0,35	0,35
Max. power output	kW	0,29	0,29	0,29
Distance from spindle center to outside of housing	mm	19,5	19,5	19,5
Length	mm	195	195	195
Weight	kg	0,89	1	1
I.D. of air inlet hose	mm	6	6	6
Connection thread		G 1/4a	G 1/4a	G 1/4a

Specifications at 90 psi (6,3 bar)



Pneumatic Angle Drills

DA 020, DC 020 (with Collet), DA 020, DA 025 (with Chuck)

Model No.	Part No.
DA020-190SXC	6060267A
DA020-047SXC	6060268A
DA020-033SXC	6060269A
DA020-013SXC	6060270A
DA020-007SXC	6060271A
DA020-005SXC	6060272A
DA020-040SZC	3027201K
DC020-040SZC	3027201L
DA020-033SXC	6060269A
DA020-190SXB10	6060255A
DA020-047SXB10	6060256A
DA020-033SXB10	6060257A
DA020-013SXB10	6060258A
DA020-007SXB10	6060259A
DA020-005SXB10	6060260A
DA025-036SXB12	3029381B

DA025-021SXB12	3029381C
DA025-011SXB12	3029381D
DA025-006SXB12	3029381E

With Collet

With Chuck

We offer a modular system of 120 different variants of these drills (blue), which are not standard DEPRAG INDUSTRIAL products; please ask for delivery times.

Official date of sale: December 1st, 2008.

Modular-key:

DA...Drill Angle

020...Power x10 [W]

190 (047, 033, 013, 007, 005)...Speed x100 [rpm]

S...Short Design

B...Basic Design (coaxial)

X...Safety Lever

Y...Twist Valve

P...Cover

C...Collet

B10...Chuck B10

3/8"...Chuck 3/8"

The Drills (black) are also not standard DEPRAG INDUSTRIAL products.

Official date of sale: December 1st, 2008.

Product Details:

These angle-drills are a further development of the previous models „DS 020“ (inline design). To select the best-suited drill, simply select according to the maximum speed and maximum drill-capacity.

These drills are also part of our modular system that allows us to select individual executions from six different speeds (19,000 / 4,700 / 3,300 / 1,300 / 700 / 500 rpm), from two start-designs (twist-valve or lever-valve), choose the required air-connection (coaxial or short) and select whether the drill is equipped with standard 3/8"24UNF drill-chuck, a chuck support, a collet, a retention nut, or a drill-taper B10. These drills are non-reversible.

The drill series DA, DC 020, and DA 025 and the are used for drilling into wood, plastic, steel, non-alloyed materials as well as other type of materials. The drills have either a 90° access-angle or a 150° access-angle.

Specifications

Drills with Collet Angle 90°	Typ Bestell.- Nr.	DA020- 190SXC	DA020- 047SXC	DA020- 040SZC	DA020- 033SXC	DA020- 013SXC	DA020- 007SXC	DA020- 005SXC
Drills with Collet Angle 150°	Typ Bestell.- Nr.	-	-	DC020- 040SZC	-	-	-	-
Collet range	mm	1 - 6	1 - 6	3 - 4,8	1 - 6	1 - 6	1 - 6	1 - 6
Drills with Chuck Angle 90°	Typ Bestell.- Nr.	DA020- 190SXB10	DA020- 047SXB10	-	Da020- 033SXB10	DA020- 013SXB10	DA020- 007SXB10	DA020- SXB10
Chuck range Taper DIN 238	mm	0,5 – 6 B10	0,5 – 6 B10	-	0,5 – 6 B10	0,5 – 6 B10	0,5 – 6 B10	0,5 – 6 B10
Max.Ø of drilling into steel into aluminium	mm	- 4	3 5	3 4,8	4 6	4 6	4 6	4 6
Speed (no load)	min ⁻¹	19000	4700	4000	3300	1300	700	500
Air consumption (no load)	m ³ .min ⁻¹	0,35	0,35	0,3	0,35	0,35	0,35	0,35
Max. power output	kW	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Ø of drill D	mm	29	29	40	29	29	29	29
Total length L	mm	230 230	230 230	236 251	230 230	242 242	242 242	242 242
Length l	mm	-	-	84 99	-	-	-	-
Height H	mm	74 74	74 74	43 38	74 74	74 74	74 74	74 74
Height h	mm	-	-	32 27	-	-	-	-
Distance from center of spindle to exterior of housing A	mm	17 17	17 17	9	17 17	17 17	17 17	17 17

Weight	kg	0,7	0,7	0,8	0,7	0,75	0,75	0,75
I.D. of air inlet hose	mm	6	6	6	6	6	6	6
Connection thread		G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a
Drills with Collet Angle 90°	Typ Bestell.- Nr.	DA025-140SXC	DA025-036SXC	DA025-021SXC	DA025-011SXC	DA025-006SXC		
Collet Range	mm	3 - 6	3 - 6	3 - 6	3 - 6	3 - 6		
Drills with Chuck Angle 90°	Typ Bestell.- Nr.	-	DA025-036SXB12	DA025-021SXB12	DA025-011SXB12	DA025-006SXB12		
Chuck range Taper DIN 238	mm	-	0,5 – 6 B 12	0,5 – 6 B 12	0,8 - 10 B 12	0,8 - 10 B 12		
Max.Ø of drilling into steel	mm	-	5	6	8	10		
into aluminium	mm	6	8	10	10	10		
Speed (no load)	min ⁻¹	14000	3600	2100	1100	550		
Air consumption (no load)	m ³ .min ⁻¹	0,35	0,35	0,35	0,35	0,35		
Max. power output	kW	0,25	0,25	0,25	0,25	0,25		
Ø of drill D	mm	38	38	3,8	38	38		
Total length L	mm	189	189	189	205	205		
Height H	mm	66	66 110	66 110	66 110	66 110		
Distance from center of spindle to exterior of housing A	mm	15	15	15	15	15		
Weight	kg	0,85	1	1	1,1	1,1		
I.D. of air inlet hose	mm	6	6	6	6	6		
Connection thread		G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a	G 1/4" a		

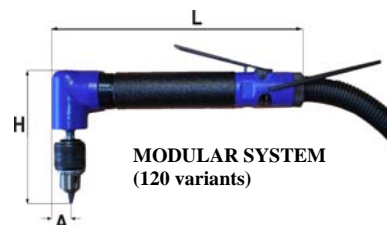
Specifications at 90 psi (6,3 bar)



Drill with Collet
(or with Chuck) – Angle 90°



Drill with Collet – Angle 150°



MODULAR SYSTEM
(120 variants)
Drill with Chuck - Angle 90°
(„Modular-System – Blue Drills“)

Technical data and other information about these drills you can find in our prospect No. DCZ 10520 10.2008.

Pneumatic Grinder for Milling GDS 035-023BX

Model No.	Part No.
GDS035-023BX	3150571B

Product Details:

Pneumatic grinder GDS 035-023BX with stainless milling-inserts are easily fastened to interchangeable collets in the sizes of Ø 3-mm, Ø 6-mm and Ø 8-mm, as useful accessories, we offer affordable maintenance units, special lubrication oil for air-operated machines, as well as balancers and oil-resistant pressure-hoses.

**The grinder is not a standard product DEPRAG INDUSTRIAL, please ask for delivery times.
Official date of sale: December 1st, 2008.**

Specifications

Safety Lever	GDS 035-023BX	
Speed (no load)	min ⁻¹	2300
Max. power	kW	0,35
Air consumption (no load)	m ³ .min ⁻¹	0,47

Weight (without hoses)	kg	1
I.D. of air inlet hose	mm	10
Dimensions Ø DxL	mm	Ø 38x260

Specifications at 90 psi (6,3 bar)



Technical Data - Dimensions

