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Pages: 3

Newsletter No. 1/2019

1. 3. 2019

Dear DEPRAG-INDUSTRIAL Associate,
we take the opportunity to inform you about new and improved products that were either added to our product line or where we made improvements. Detailed technical information and pictures, as well as a catalog in PDF-format can be found on our website www.deprag.cz.

NEW PRODUCT:

- **Pneumatic Grinder GDS030-180BXE-8I**

Pneumatic Grinder GDS030-180BXE-8I

We are pleased to announce the product line expansion with the air-grinder Model No. **GDS030-180BXE-8I**.

For the past few years, it became apparent that there is an increased demand for a collet capacity of 8-mm (besides the customary 6-mm). The increased shaft capability allows the use of harder grinding inserts and for the grinder to be used at maximum power without the worry of overloading the machine's capability.

This grinder contains an elastic motor and spindle, a soft filtration screen with 65 µm and an air-connection with a 1/4" thread. This tool is perfectly suited for the grinding of non-ferrous metals (for more information, please see also our catalog DCZ10903).



| Model | Part No. |
|-------------------------|-----------------|
| GDS030-180BXE-8I | 6061300C |

Advantages:

- Extreme low Vibration
- Allows the use of grinding tips with large cutting edges for the fabrication of non-ferrous metal and plastics
- The filtration screen featuring a porosity of 65 µm increases motor longevity
- Low noise level (acoustic pressure)
- Low weight
- Collet for an 8-mm shaft (also available for a 6-mm shaft)



Technical data:

| | | |
|---------------------------|---|--------------------|
| Type | GDS030-180BXE-8I | |
| Part No. | 6061300C | |
| Speed (no load) | min ⁻¹ | 18 000 |
| Max. power output | W (hp) | 300 (.40) |
| Air consumption (loaded) | m ³ .min ⁻¹ (cfm) | 0,46 (16.24) |
| Air consumption (no load) | m ³ .min ⁻¹ (cfm) | 0,18 (6.36) |
| I.D. of air inlet hose | mm (in) | Js 8 (.31) |
| Air connection | | thread 1/4" female |
| Weight | Kg (lbs) | 0,48 (1.06) |
| Max. Ø of grinding insert | mm (in) | 12 (.47) |
| Max. Ø of grinding tip | mm (in) | 25 (.98) |

Standard Equipment:

| Description | Part No. |
|-------------------------------------|----------------|
| Collet ø 8 with thread M12x1 | 830704 |
| Spanner č.12 | 800403 |
| Spanner č.14 | 800410 |
| Plug 25SF AK13 SXN | 6072224 |
| Threaded fitting G1/4" 8 mm | 6074628 |

Optional Equipment:

| Description | Part No. |
|-----------------------|----------------|
| Collet ø 6 mm | 827910 |
| Collet ø 9 mm | 6014291 |
| Collet ø 3/16" | 6014287 |
| Collet ø /4" | 830705 |
| Collet ø /16" | 830706 |
| Screen 65 µm | 6078645 |

Recommended operating speed for technical grinding operations:

| Diameter of Grinding Tip | 3 mm | 6 mm | 10 mm | 12 mm | 16 mm |
|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Max. speed/min | 90 000 | 50 000 | 40 000 | 35 000 | 25 000 |
| Recommended rpm | | | | | |
| Steel | 60 000 – 80 000 | 35 000 – 45 000 | 22 500 – 35 000 | 20 500 – 30 000 | 15 000 – 20 000 |
| Tempered Steel | 60 000 – 80 000 | 30 000 – 45 000 | 19 000 – 30 000 | 15 000 – 22 500 | 12 000 – 18 000 |
| Stainless Steel | 60 000 – 80 000 | 30 000 – 45 000 | 19 000 – 30 000 | 15 000 – 22 500 | 12 000 – 18 000 |
| Cast Iron | 45 000 – 80 000 | 22 500 – 45 000 | 15 000 – 35 000 | 11 000 – 30 000 | 9 000 – 20 000 |
| Titan | 60 000 – 80 000 | 30 000 – 45 000 | 19 000 – 30 000 | 15 000 – 22 500 | 12 000 – 18 000 |
| Nickel | 60 000 – 80 000 | 30 000 – 45 000 | 19 000 – 30 000 | 15 000 – 22 500 | 12 000 – 18 000 |
| Copper and Alloys | 45 000 – 80 000 | 22 500 – 45 000 | 15 000 – 35 000 | 11 000 – 30 000 | 9 000 – 20 000 |
| Aluminum | 30 000 – 80 000 | 15 000 – 45 000 | 10 000 – 35 000 | 7 000 – 30 000 | 6 000 – 20 000 |
| Plastics | 30 000 – 80 000 | 15 000 – 45 000 | 10 000 – 35 000 | 7 000 – 30 000 | 6 000 – 20 000 |
| Cermet | 60 000 – 80 000 | 30 000 – 45 000 | 19 000 – 30 000 | 15 000 – 22 500 | 12 000 – 18 000 |

Dimensions:

