Air Grinders - Angle
with / without gearing

For grinding wheels Ø 100, 115, 125, 150, 180, 230 mm
For cup-grinding wheels Ø 125 mm
Power Output: 500 W - 2,4 kW (.67 - 3.22 HP)
Speed - no load: 6 600 - 13 200 min⁻¹

- high power output
- ergonomic
- efficient
- straight grinders without gearing for the grinding and cutting of open surfaces
- grinder with gearing - for the grinding in hard-to-reach areas

These robust grinders are best used 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. These grinders are designed to perform best on heavy duty industrial applications. The robust construction of these tools assure an extended longevity - even when used in 24/7 operations.
The best tools for efficient material removal

High power output
The DEPRAG Industrial line of angle grinders excel through the compact design and the concurrent high power-output. The construction of the motor is based on the most modern materials, which allow them to reach their maximum possible power. The already high power-to-weight ratio of our standard air-grinders is surpassed by our grinders equipped with turbine motors.

Ergonomical
These grinders operate at an extreme low noise-level. The ergonomic design of the tool-grip and also the side-handle reduces the machine’s vibration.

Efficient
The speed-generator guarantees the highest amount of material removal with a low air-consumption, while reaching an outstanding machine life span.

Grinders without gearing
Our straight grinders without gearing are mainly used for the grinding and cutting of open surfaces.

Grinder with gearing
By installing a gear into the angle-head, it is possible to greatly reduce the head height. Because of the reduced head height, it is possible to use these grinders in hard-to-reach areas.

 TYPE KEY

GA 8 11-100 B X
- X = Safety lever
- B = Basic design
- Power output x 10 [W], 100 = 1 000 W
- Diameter of grinding wheel x 10 = 115 mm
- Max. radial speed x 10 = 80 m/s
- GA = Grinder Angle

P BU 180 E - 80 X
- X = Safety lever
- Max. radial speed x 10 = 80 m/s
- E = Innovational stage
- Diameter of grinding wheel x 10 = 115 mm
- PBU = Pneumatic grinder - angle

Applications

- Deburring of welding seams (ship building)
- Cutting of gate sections (cast-iron engine blocks)
- Cutting of thick-walled profiles (steel construction)
### Design - Angle Grinders with Direct Drive - for grinding disks of type 27/28: Ø 115 mm, 150 mm, 180 mm, 230 mm, for cup-grinding wheels of type 11/6: Ø 125 mm

Our straight grinders without gearing are mainly used for the grinding of open surfaces.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>PBU 125C-45X</td>
<td>6060487A</td>
</tr>
<tr>
<td>PBU 150G-80X</td>
<td>826310 A</td>
</tr>
<tr>
<td>PBU 180E-80X</td>
<td>6060457A</td>
</tr>
<tr>
<td>PBU 180F-80X</td>
<td>830426 A</td>
</tr>
<tr>
<td>PBU 230E-80X</td>
<td>6060455A</td>
</tr>
<tr>
<td>PBU 115C-80Z</td>
<td>826309 A</td>
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### Standard Equipment:

<table>
<thead>
<tr>
<th>Pin wrench</th>
<th>Spanner 10 mm</th>
<th>Allen key 3 mm</th>
<th>Allen key 4 mm (Design G)</th>
<th>Allen key 5 mm (Design G, PBU 115C-80Z)</th>
<th>Allen key 6 mm</th>
<th>Hose nozzle (Design G)</th>
<th>Hose nozzle</th>
<th>Seal ring 18x2 mm (Design G)</th>
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### Technical Specifications:

<table>
<thead>
<tr>
<th>For grinding wheels</th>
<th>Max. Ø</th>
<th>Ø 115 mm (4.5&quot;)</th>
<th>Ø 150 mm (6&quot;)</th>
<th>Ø 180 mm (7&quot;)</th>
<th>Ø 230 mm (9&quot;)</th>
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<tbody>
<tr>
<td>Part No.</td>
<td>PBU 125C-45X</td>
<td>6060487A</td>
<td>PBU 180E-80X</td>
<td>PBU 230E-80X</td>
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<tr>
<td>Safety lever on handle facing upwards</td>
<td>Model Part No.</td>
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<td></td>
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<tr>
<td>Without auto-balancing-unit</td>
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<td>PBU 180F-80X</td>
<td>826311 A</td>
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<tr>
<td>Safety lever on handle facing downwards</td>
<td>Model Part No.</td>
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<tr>
<td>With auto-balancing-unit *</td>
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<td>PBU 150G-80X</td>
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<tr>
<td>Start by button</td>
<td>Model Part No.</td>
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<tr>
<td>With auto-balancing-unit *</td>
<td>-</td>
<td>PBU 115C-80Z</td>
<td>826309 A</td>
<td>-</td>
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</tr>
<tr>
<td>Speed (no load)</td>
<td>min⁻¹ (rpm)</td>
<td>13 200</td>
<td>6 600</td>
<td>10 200</td>
<td>8 500</td>
</tr>
<tr>
<td>Max. power output kW (hp)</td>
<td>0.5 (0.67)</td>
<td>2.35 (3.15)</td>
<td>1.9 (2.55)</td>
<td>2.4 (3.22)</td>
<td>1.2 (1.61)</td>
</tr>
<tr>
<td>Air consumption (under load/no load) m³/min (cfm)</td>
<td>0.8/0.5 (29.0/18.4)</td>
<td>2.0/0.7 (70.6/24.7)</td>
<td>1.8/0.9 (63.6/31.8)</td>
<td>2.3/1.1 (79.4/38.8)</td>
<td>1.5/0.7 (60.2/24.7)</td>
</tr>
<tr>
<td>Thickness of grinding wheel mm (in)</td>
<td>4.6/8 (0.16/0.32)</td>
<td>50 (1.97)</td>
<td>6.8 (2.67)</td>
<td>6.8/10 (2.4/3.9)</td>
<td>6.8 (2.67)</td>
</tr>
<tr>
<td>Max. radial speed m/s (ft/s)</td>
<td>80 (262.4)</td>
<td>45 (147.6)</td>
<td>80 (262.4)</td>
<td>80 (262.4)</td>
<td>80 (262.4)</td>
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<tr>
<td>I.D. of air inlet hose mm (in)</td>
<td>10 (0.39)</td>
<td>16 (0.63)</td>
<td>16 (0.63)</td>
<td>16 (0.63)</td>
<td>16 (0.63)</td>
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<tr>
<td>Length of supply/exhaust hose m (in)</td>
<td>2/1 (78.7/3.9)</td>
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<tr>
<td>I.D. of grinding wheel mm (in)</td>
<td>Ø 22.2</td>
<td>Ø 22.2</td>
<td>Ø 22.2</td>
<td>Ø 22.2</td>
<td>Ø 22.2</td>
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<tr>
<td>Dimensions LxH mm (in)</td>
<td>160x157(6.3x6.2)</td>
<td>335x230 (13.2x9.1)</td>
<td>234x192 (9.2x7.6)</td>
<td>335x220 (13.2x7.8)</td>
<td>310x165 (12.2x6.5)</td>
</tr>
<tr>
<td>Weight kg (lbs)</td>
<td>1.9 (4.19)</td>
<td>5.6 (12.35)</td>
<td>4.0 (8.82)</td>
<td>5.6 (12.35)</td>
<td>4.2 (9.26)</td>
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<tr>
<td>Spindle thread</td>
<td>M14</td>
<td>-</td>
<td>M14</td>
<td>-</td>
<td>M14</td>
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<tr>
<td>Air connection</td>
<td>hose nozzle</td>
<td>thread 1/2”female</td>
<td>thread 1/2”female</td>
<td>thread 1/2”female</td>
<td>thread 3/8”female</td>
</tr>
</tbody>
</table>

Specifications at 90 psi (6.3 bar)

* Auto-balancing-unit (ABU) drastically decreases vibration.
**SPECIFICATIONS - ANGLE GRINDERS WITH ANGLE GEAR**

Design - Angle Grinders with Angle Gear - for grinding disks of type 27/28, 41/42: Ø 100 mm, 115 mm, 125 mm, 180 mm, 230 mm (typ 27/28, 41/42)

Because of the reduced head height, it is possible to use these grinders in hard-to-reach areas.

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**For grinding wheels**

<table>
<thead>
<tr>
<th>Max. Ø</th>
<th>Model</th>
<th>Part No.</th>
<th>GA 810-050BX</th>
<th>GA 811-100BX</th>
<th>GA 812-100BX</th>
<th>GA 818-230BX</th>
<th>GA 823-230BX</th>
</tr>
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<tbody>
<tr>
<td>Ø 100 mm (4“)</td>
<td>Part No.</td>
<td>6061139A</td>
<td>6060546A</td>
<td>6060545A</td>
<td>6060970A</td>
<td>6060971A</td>
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<td>Ø 115 mm (4.5“)</td>
<td>Part No.</td>
<td>6061139A</td>
<td>6060546A</td>
<td>6060545A</td>
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<td>Ø 125 mm (5“)</td>
<td>Part No.</td>
<td>6061139A</td>
<td>6060546A</td>
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<tr>
<td>Ø 180 mm (7“)</td>
<td>Part No.</td>
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<td>6060545A</td>
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<tr>
<td>Ø 230 mm (9“)</td>
<td>Part No.</td>
<td>6061139A</td>
<td>6060546A</td>
<td>6060545A</td>
<td>6060970A</td>
<td>6060971A</td>
<td></td>
</tr>
</tbody>
</table>

- **Safety lever on handle facing up/downwards**:
  - GA 810-050BX: 15 300 min⁻¹ (rpm)
  - GA 811-100BX: 13 200 min⁻¹ (rpm)
  - GA 812-100BX: 13 200 min⁻¹ (rpm)
  - GA 818-230BX: 8 000 min⁻¹ (rpm)
  - GA 823-230BX: 6 640 min⁻¹ (rpm)

- **Max. power output kW (hp)**:
  - GA 810-050BX: 0.5 (0.67)
  - GA 811-100BX: 1.0 (1.34)
  - GA 812-100BX: 1.0 (1.34)
  - GA 818-230BX: 2.3 (3.08)
  - GA 823-230BX: 2.3 (3.08)

- **Air consumption (no load) m³/min (cfm)**:
  - GA 810-050BX: 0.4 (14.12)
  - GA 811-100BX: 0.7 (24.72)
  - GA 812-100BX: 0.7 (24.72)
  - GA 818-230BX: 1.7 (60.03)
  - GA 823-230BX: 2.5 (88.28)

- **Air consumption (under load) m³/min (cfm)**:
  - GA 810-050BX: 0.9 (31.78)
  - GA 811-100BX: 1.2 (42.37)
  - GA 812-100BX: 1.2 (42.37)
  - GA 818-230BX: 2.5 (88.28)
  - GA 823-230BX: 2.5 (88.28)

- **I.D. of grinding wheel mm (in)**:
  - GA 810-050BX: 16 (0.63)
  - GA 811-100BX: 22.2 (0.87)
  - GA 812-100BX: 22.2 (0.87)
  - GA 818-230BX: 22.2 (0.87)
  - GA 823-230BX: 22.2 (0.87)

- **Thickness of grinding wheel mm (in)**:
  - GA 810-050BX: max. 6 (0.24)
  - GA 811-100BX: 3;4;6 (0.12;0.16;0.24)
  - GA 812-100BX: 3;4;6 (0.12;0.16;0.24)
  - GA 818-230BX: 4;6;8;10 (0.16;0.24;0.32;0.39)
  - GA 823-230BX: 4;6;8 (0.16;0.24;0.32)

- **Max. radial speed m/s (ft/s)**:
  - GA 810-050BX: 80 (262.4)
  - GA 811-100BX: 80 (262.4)
  - GA 812-100BX: 80 (262.4)
  - GA 818-230BX: 80 (262.4)
  - GA 823-230BX: 80 (262.4)

- **I.D. of air inlet hose mm (in)**:
  - GA 810-050BX: 10 (0.39)
  - GA 811-100BX: 13 (0.51)
  - GA 812-100BX: 13 (0.51)
  - GA 818-230BX: 16 (0.63)
  - GA 823-230BX: 16 (0.63)

- **Dimensions LxH mm (in)**:
  - GA 810-050BX: 236x72 (9.3x2.8)
  - GA 811-100BX: 319x101 (12.6x4.0)
  - GA 812-100BX: 349x119 (13.7x4.7)
  - GA 818-230BX: 349x119 (13.7x4.7)
  - GA 823-230BX: 349x119 (13.7x4.7)

- **Max. cutting depth mm (in)**:
  - GA 810-050BX: 30 (1.18)
  - GA 811-100BX: 29 (1.14)
  - GA 812-100BX: 34 (1.34)
  - GA 818-230BX: 55 (2.17)
  - GA 823-230BX: 80 (3.15)

- **Weight kg (lbs)**:
  - GA 810-050BX: 1.3 (2.87)
  - GA 811-100BX: 2.4 (5.29)
  - GA 812-100BX: 2.4 (5.29)
  - GA 818-230BX: 4.4 (9.70)
  - GA 823-230BX: 4.6 (10.14)

- **Spindle thread**: M14
- **Air connection**: hose nozzle thread 1/2“female thread 1/2“female

**Specifications at 90 psi (6.3 bar)**

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**Standard Equipment:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pin wrench</th>
<th>Allen key 3 mm</th>
<th>Allen key 4 mm</th>
<th>Allen key 5 mm</th>
<th>Allen key 6 mm</th>
<th>Special key</th>
<th>Special key</th>
<th>Hose nozzle</th>
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**Optionale Accessories:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nipple</th>
<th>Additional handle</th>
<th>Oil set (for oil change)</th>
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DEPRAG CZ a.s., Lázně Bělohrad

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