AIR TOOLS
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**Standard A type anvil**
Can be used with A type of industrial bits.
For more information, contact us.

**Option**
Can be used with B type of industrial bits.
For more information, contact us.

**Pin-lock Type Anvil**
Insert socket and lock with a pin.
Mainly used for industrial assembly line.

**Retainer Ring Type Anvil**
Pin type anvil combined with a retainer ring.

**Tough Aluminum Body**

**Mechanism : Air Screwdriver**

**Clutch Type / Gear Type Air Screwdriver**
The speed of air motor rotation is reduced by planetary gears so as to raise the rotation torque. Smooth and stable tightening can be performed via engagement of the clutch.

**Torque Control Type**

- When the tightening torque reaches to the specified level, the air supply is cut off by the movement of cam-shaft, and operation is suspended.

**Impact type Air Screwdriver**
The hammer which is rotated by the rotor makes use of the impact of the striking the anvil, and a construction is obtained which generates a powerful tightening force.

**Torque Control Type**
As the bolt or nut is tightened, its resistance value increases, and the percussion part and rotary part are greatly inverted. This angle of inversion is caught by the clutch, transmitted to the stop valve, and the air is cut off.
**Oil Xtra Series**
The impact mechanism is fulled with lubricating oil. In addition to changing the impact noise to a sofer, smoother sound, the oil prevents part damage due to friction.

**Adjust Dial (Dual-purpose switch)**
Consolidated control part combining air flow control switch and forward reverse control switch.

**Adjust Dial**
Exclusive adjust dial suited for work requiring frequent flow control.

**Silencer**
Built-in filter reduces exhaust sound.

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**Mechanism : Air Impact Wrench**

**Impact Type  Innovative "V" Hammer**
A hammer moves forward and backward by rotating and hit the anvil, which makes powerful and speedy tightening. Good hammering efficiency, and compact and light-weight type.

**Impact Type  Single Hammer**
A construction whereby 1 rotation of the rotor causes the hammer to inflict 1 blow on the anvil. Due to this 1 rotation/1 percussion system, a strong tightening is obtainable.

**Impact Type  Double Hammer**
A construction whereby 1 rotation of the rotor causes the hammer to inflict 2 blows on the anvil. Due to this 1 rotation/2 percussions system, a stable tightening is obtainable.

**Pinless Impact Type  Pinless Hammer**
Rotation force of air motor is transmitted to the driver (cam) to rotate the hammer to hit the anvil, the impact of which enhances impact efficiency, allowing for firm screw tightening. Introduced pinless hammer which is small but outputs a great torque force.
A wide variety of air screwdrivers for high efficiency work.

We have developed products such as "Oil Extra" series which is filled with oil in the impact part unit, as well as air tube exhaust models, aiming at reducing noise and vibration.

The impact mechanism is filled with lubricating oil. In addition to changing the impact noise to a softer, smoother sound, the oil prevents part damage due to friction.
## Applicable Models

<table>
<thead>
<tr>
<th>Small screw</th>
<th>Philips</th>
<th>Applicable Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2</td>
<td>0 (Old JIS 1)</td>
<td>S4TFG, S4TG</td>
</tr>
<tr>
<td>M2.3</td>
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<td>S4TFG, S4TP, S4TG, S4TS</td>
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<tr>
<td>M2.5</td>
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<td>M2.6</td>
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<td>M10</td>
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<td>PBD, P1058, P800X</td>
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<th>Tapping screw</th>
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<tr>
<td>4</td>
<td>2</td>
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<tr>
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<td>2</td>
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<td>4.5</td>
<td>2</td>
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<td>4.8</td>
<td>2</td>
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<td>5</td>
<td>2</td>
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<td>5.5</td>
<td>3</td>
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<td>6</td>
<td>3</td>
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<th>Hexagonal recess bolt</th>
<th>Hexagonal head bolt</th>
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<td>HARC, HAPR, HARC</td>
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<tr>
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<td>3.5</td>
<td>HARC, HAPR, HARC</td>
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<td>M5</td>
<td>4.0</td>
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<tr>
<td>M6</td>
<td>5.0</td>
<td>HAPR, HAPR, HARC, HAPR, HARC</td>
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<td>M7</td>
<td>6.0</td>
<td>HAPR, HAPR, HARC, HAPR, HARC</td>
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<td>M8</td>
<td>8.0</td>
<td>HAPR, HAPR, HARC, HAPR, HARC</td>
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<td>M10</td>
<td>(Small bolt 12.0)</td>
<td>PBD, P1058, P800X</td>
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<td></td>
<td>(Old JIS 17.0)</td>
<td>PBD, P1058, P800X</td>
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<tr>
<td></td>
<td>(Small bolt 14.0)</td>
<td>PBD, P1058, P800X</td>
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</table>
Air Screwdriwers  Air motor tightens really fast

Standard screw 4~5mm Compact, lightweight and high revolution motor. For recycle plant, small sash frame, etc.  Oil Xtra Series

- No. GT-S4.5XD
  - Bit sleeve retainer
  - Noise reducer

- No. GT-P4.5XD
  - Bit sleeve retainer
  - Noise reducer/Rear exhaust

- No. GT-PLXD
  - Bit sleeve retainer
  - Adjust dial
  - Noise reducer

- No. GT-PLIXD
  - Bit sleeve retainer
  - Adjust dial
  - Noise reducer
  - Suppress noise with air tube

See P141 One point→

Standard screw 5~6mm Stable tightening performance with high power. For sash frame for building, exterior, home building, etc.

- No. GT-S6LXD
  - Bit sleeve retainer
  - Adjust dial
  - Noise reducer

- No. GT-P6LXD
  - Bit sleeve retainer
  - Noise reducer/Rear exhaust

Air pressure: 0.64MPa *Air hose diameter: 6.35mm *Overall length and Weight: Accessories not included.
*Capacity is listed as instant reference and depends on operation conditions.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>RPM</th>
<th>Torque</th>
<th>Speed</th>
<th>Hose Coupling</th>
<th>Hose Length</th>
<th>Weight</th>
<th>Accessories</th>
<th>EDP No.</th>
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<tbody>
<tr>
<td>GT-S4.5XD</td>
<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
<td>4.0~5.0</td>
<td>G 1/4</td>
<td>188</td>
<td>585</td>
<td>A144X65G BPN-2F</td>
<td>311085</td>
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<tr>
<td>GT-P4.5XD</td>
<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
<td>4.0~5.0</td>
<td>G 1/4</td>
<td>170</td>
<td>735</td>
<td>A144X65G BPB-2</td>
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<td>GT-PLXD</td>
<td>4.0~5.0</td>
<td>3.8~4.2</td>
<td>3.3~3.8</td>
<td>4.0~5.0</td>
<td>G 1/4</td>
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<td>670</td>
<td>A144X65G BPN-2F</td>
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<tr>
<td>GT-PLIXD</td>
<td>4.0~5.0</td>
<td>3.8~4.2</td>
<td>3.3~3.8</td>
<td>4.0~5.0</td>
<td>G 1/4</td>
<td>172</td>
<td>790</td>
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<td>311100</td>
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<td>GT-PLUXD</td>
<td>4.0~5.0</td>
<td>3.8~4.2</td>
<td>3.3~3.8</td>
<td>4.0~5.0</td>
<td>G 1/4</td>
<td>198</td>
<td>740</td>
<td>A144X65G BPN-2F Tube fitting RL-6G</td>
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<td>GT-S6LXD</td>
<td>5.0~6.0</td>
<td>4.0~4.5</td>
<td>3.6~4.1</td>
<td>5.0~6.0</td>
<td>G 1/4</td>
<td>212</td>
<td>815</td>
<td>A144X65G BPN-2F</td>
<td>311115</td>
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<tr>
<td>GT-P6LXD</td>
<td>5.0~6.0</td>
<td>4.0~4.5</td>
<td>3.6~4.1</td>
<td>5.0~6.0</td>
<td>G 1/4</td>
<td>184</td>
<td>876</td>
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<td>311116</td>
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</table>

Bit installation anvil application
Unless otherwise mentioned, following type is a standard.
Standard screw 6~8mm  Powerful torque force. For installing parts, fastening concrete screw, etc.

No. GT-P60XD
1. Bit sleeve retainer
2. Adjust dial
3. Noise reducer/Rear exhaust

Standard screw 8~10mm  Powerful torque force. For installing parts, fastening concrete screw, etc.

No. GT-S60XD
1. Bit sleeve retainer
2. Adjust dial
3. Noise reducer/Rear exhaust

Standard screw 5~6mm  High power models for construction.

No. GT-P80XD
1. Bit sleeve retainer
2. Adjust dial
3. Noise reducer/Rear exhaust

No. GT-P6EXD
1. Bit sleeve retainer
2. Adjust dial
3. Noise reducer/Rear exhaust

One point

Suppress noise with air tube
Exhaust noise is reduced by mounting existing ø8 air tube.

No. GT-PLIXD
-8dB
※No-load noise
Approx. 78dB

Compared to the existing similar models with 2m air tube attached.

Noise suppression effect, rotating speed and output torque may vary depending on the length of the tube. Determine the length according to the real working environment.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>(mm)</th>
<th>No. Load Speed</th>
<th>(rpm)</th>
<th>Air Consumption</th>
<th>(m³/min)</th>
<th>Hose Coupling</th>
<th>Hose length</th>
<th>Weight (g)</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-P60XD</td>
<td>6.0~8.0</td>
<td>4.0~5.0</td>
<td>3.8~4.5</td>
<td>6.0~8.0</td>
<td>7,500</td>
<td>0.38</td>
<td>Rc 1/4</td>
<td>176</td>
<td>1,130</td>
<td>A14 #2x65E/#3x65E BPB-2</td>
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<tr>
<td>GT-S60XD</td>
<td>6.0~8.0</td>
<td>4.0~5.0</td>
<td>3.8~4.5</td>
<td>6.0~8.0</td>
<td>7,500</td>
<td>0.38</td>
<td>Rc 1/4</td>
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<td>1,030</td>
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<td>GT-P80XD</td>
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<td>Rc 1/4</td>
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※Option: Following retainer anvil is available.

- Option: Following retainer anvil is available.

Bit installation anvil application
Unless otherwise mentioned, following type is a standard.
Air Screwdrivers Clutch Type  Air motor tightens really fast

**Standard screw 2.6~3.5mm**  Speed-reduction type air driver.

- **No. GT-H4RC**
  - Ball spring retainer
  - Noise reducer

- **No. GT-H5RC**
  - Ball spring retainer
  - Angle head size

**Standard screw 3.5~4.5mm**  Speed-reduction type air screwdriver.

- **No. GT-H4R**
  - Ball spring retainer
  - Lever push starting/Noise reducer

- **No. GT-H4PR**
  - Ball spring retainer
  - Push starting/Noise reducer

**Standard screw 3~4mm**  Compact, lightweight and silent gear speed-reduction mechanism.

- **No. GT-H5R**
  - Ball spring retainer
  - Lever push starting

- **No. GT-H5P**
  - Ball spring retainer
  - Push starting/Noise reducer

**Standard screw 4~5mm**  Stable tightening performance with high power. For installing electrical parts.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>Drill</th>
<th>No. Load Speed (rpm)</th>
<th>Air Consump. (m³/min)</th>
<th>Hose Coupling</th>
<th>Seal Length (mm)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
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<td>3~4</td>
<td>1.8~2.4</td>
<td>3~4</td>
<td>1,500</td>
<td>0.2</td>
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<td>190</td>
<td>590</td>
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<td>2.6~3.5</td>
<td>2.6~3.5</td>
<td>1,500</td>
<td>0.2</td>
<td>G 1/4</td>
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<td>GT-H5R</td>
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<td>3.5~4</td>
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<td>0.25</td>
<td>G 1/4</td>
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<td>880</td>
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<td>3.5~4</td>
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<td>0.25</td>
<td>G 1/4</td>
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<td>880</td>
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<td>3.5~4.5</td>
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<td>G 1/4</td>
<td>248</td>
<td>1,047</td>
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*Air pressure: 0.6MPa  -Air hose diameter: 6.35mm  -Overall length: Accessories and hanger parts not included.  -Weight: Accessories not included.*

- Capacity is listed as instant reference and depends on operation conditions.

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**Bit installation anvil application**

Unless otherwise mentioned, following type is a standard.

**Standard type in Japan**

- 5.5mm
- 7.5mm
- 9mm

**Option:** Following retainer anvil is available.

- H4R
- H5R
- H5P
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>No. Load Speed (rpm)</th>
<th>Air Conspanor (m³/min)</th>
<th>Hose Coupling</th>
<th>No. of Bolt</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
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<td>GT-S4.5DR</td>
<td>4.0~5.0</td>
<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
<td>4.0~5.0</td>
<td>14,000</td>
<td>G 1/4</td>
<td>180</td>
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<td>GT-P4.5DR</td>
<td>4.0~5.0</td>
<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
<td>4.0~5.0</td>
<td>14,000</td>
<td>G 1/4</td>
<td>180</td>
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<tr>
<td>GT-PLR</td>
<td>4.0~5.0</td>
<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
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<td>GT-P5LS</td>
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<td>4.0~5.0</td>
<td>3.5~4.0</td>
<td>2.7~3.5</td>
<td>4.0~5.0</td>
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<td>GT-PLP</td>
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<td>4.0~5.0</td>
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</table>

- Air pressure: 0.5MPa
- *Overall length: Accessories and hanger parts not included.
- *Capacity is listed as instant reference and depends on operation conditions.
- *Weight: Accessories not included.

- Bit installation anvil application
- Unless otherwise mentioned, following type is a standard.
Air Screwdrivers Impact Type  Air motor tightens really fast

Standard screw 5～6 mm  Compact and lightweight. Basic models for assembly plant.

**No. GT-PLIII**
- Bit sleeve retainer
- Adjust dial
- Anvil (Bit sleeve retainer, push type)

**No. GT-P6LSIII**
- Bit sleeve retainer (Pull type)
- Noise reducer / Rear exhaust
- Anvil (Bit sleeve retainer, push type)
- Rubber grip type available as option.

**No. GT-S6HS**
- Bit sleeve retainer
- Adjust dial

**No. GT-P6HS**
- Bit sleeve retainer
- Noise reducer / Rear exhaust

**No. GT-S6MLR**
- Bit sleeve retainer
- Adjust dial

---

**Model No.**
- Standard Screw: 5.0～6.0
- Tapping Screw: 4.0～4.5
- Wood Screw: 3.6～4.1
- Bolt: 5.0～6.0
- Load Speed (rpm): 8,500
- Consumption (ml/min): 0.3
- Hose Coupling: Rc 1/4
- No. of Joints: 1
- Weight (g): 925
- Accessories: Plug
- EDP No.: 311094

*Air pressure: 6.6MPa  Air flow rate: 6.35mm  Overall length: Accessories and flange, parts not included.  Weight: Accessories not included.*

- Capacity is listed as instant reference and depends on operation conditions.

---

**Bit installation anvil application**
- Unless otherwise mentioned, following type is a standard.

---

**Standard type in Japan**
- PLHIII: 6.35mm
- P6LS: 5mm
- P6L: 6mm

---

**Option**
- Following retainer anvil is available.
**Standard screw 4~5mm**  
Angle impact screwdriver.

- **No.** GT-PLRC
  - Ball spring retainer
  - Adjust dial

- **Angle head size**

**Standard screw 6~8mm**  
Powerful torque force. Excellent durability.

- **No.** GT-S6.5D
  - Bit sleeve retainer
  - Adjust dial

**Standard screw 8~10mm**  
High power models. For installing various parts.

- **No.** GT-P8D
  - Bit sleeve retainer
  - Adjust dial

---

**Air motor tightens really fast**  
**Air Screwdrivers Impact Type**

---

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity (mm)</th>
<th>No. Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Stroke Length (㎜)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
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<td>1,930</td>
<td>A15 #2X65G/ #3X65E</td>
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</table>

*Air pressure: 0.6MPa  
*Air hose diameter: 6.35mm  
*Overall length and Weight: Accessories and hanger parts not included.  
*Capacity is listed as instant reference and depends on operation conditions.

---

**Bit installation anvil application**  
Unless otherwise mentioned, following type is a standard.

---

**Standard type in Japan**
Air Screwdrivers Torque Control

**Torque Control Air Screwdriver, Reduced Type**

- **Standard screw 2.0~2.5mm** Air is automatically shut out when torque reaches a set value.

No. GT-S4TFG
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring

No. GT-S4TG
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring Hose Coupling (1/8”)

- **Standard screw 2.2~3.0mm** Air is automatically shut out when torque reaches a set value.

No. GT-S4TFS
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring

No. GT-S4TS
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring Hose Coupling (1/8”)

- **Standard screw 3.0~4.0mm** Air is automatically shut out when torque reaches a set value.

No. GT-S4TFR
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring

No. GT-S4TR
- Ball spring retainer
- Push startup type/Noise reducer/Rear exhaust
- Torque Spring Hose Coupling (1/8”)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Standard Screw (Nm)</th>
<th>Torque Range (N·m)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (ml/min)</th>
<th>Hose Coupling</th>
<th>Tool Length (mm)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
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<td>2.0~2.5</td>
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<td>0.28</td>
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<td>565</td>
<td>B36 1/2×70H</td>
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<td>GT-S4TFS</td>
<td>2.2~3.0</td>
<td>0.5~1.3</td>
<td>1,700</td>
<td>0.28</td>
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<td>215</td>
<td>555</td>
<td>B36 1/2×70H</td>
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<td>GT-S4TFR</td>
<td>3.0~4.0</td>
<td>0.7~2.1</td>
<td>1,100</td>
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<td>565</td>
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<td>GT-S4TG</td>
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<td>650</td>
<td>A14 1/2×65G</td>
<td>311203</td>
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<td>0.28</td>
<td>Rc 1/4</td>
<td>215</td>
<td>650</td>
<td>A14 1/2×65G</td>
<td>311201</td>
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</table>

Air pressure: 0.5MPa - Air hose diameter: 6.35mm - Overall length: Accessories and range parts not included - Weight: Accessories not included.

*Capacity is listed as instant reference and depends on operation conditions.*

---

**One point**

**Torque Spring Change**

GT-S4T/S5T series are easy to adjust torque range only by replacing optional torque spring. Torque value of screw fastening should be in the center of the torque range when adjusted. Also we will recommend you to choose larger No Load Speed type when faster fastening is necessary.
Air motor tightens really fast  Air Screwdrivers Torque Control

Standard screw 2.5～3mm  Air is automatically shut out when torque reaches a set value.

- **No. GT-SSTFG**
  - Ball spring retainer
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

- **No. GT-SSTG**
  - Ball spring retainer
  - Adjust dial type
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

Standard screw 3～4mm  Air is automatically shut out when torque reaches a set value.

- **No. GT-SSTFB**
  - Ball spring retainer
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

- **No. GT-SSTB**
  - Ball spring retainer
  - Adjust dial type
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

Standard screw 4～5mm  Air is automatically shut out when torque reaches a set value.

- **No. GT-SSTFR**
  - Ball spring retainer
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

- **No. GT-SSTR**
  - Ball spring retainer
  - Adjust dial type
  - Push startup type/Noise reducer/Rear exhaust
  - Torque Spring

Torque Control Air Screwdriver, Impact Type

Standard screw 4.5～6mm  Combination between impact and torque control systems gives an excellent workability.

- **No. GT-SSTS**
  - Bit sleeve retainer
  - Adjust dial type

---

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity (N·m)</th>
<th>Torque Range (N·m)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Push Length (mm)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
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<tr>
<td>GT-SSTFG</td>
<td>2.5～3.0</td>
<td>0.7～1.2</td>
<td>1,700</td>
<td>0.35</td>
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<td>860</td>
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<td>311215</td>
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<td>GT-SSTG</td>
<td>2.5～3.0</td>
<td>0.7～1.2</td>
<td>1,700</td>
<td>0.35</td>
<td>Rc 1/4</td>
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<td>GT-SSTFB</td>
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<td>0.35</td>
<td>Rc 1/8</td>
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<td>GT-SSTB</td>
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<td>0.35</td>
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<td>GT-SSTFR</td>
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<td>0.35</td>
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<td>1,310</td>
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</table>

- Air pressure: 0.6MPa  
- Air hose diameter: 6.35mm  
- Overall length: Accessories and hanger parts not included.  
- Weight: Accessories not included.

- Capacity is listed as instant reference and depends on operation conditions.

**Bit installation anvil application**

**Standard type in Japan**

**Option:** Following retainer anvil is available.

---

**Note:**

- Standard screw 2.5～3mm
- Standard screw 3～4mm
- Standard screw 4～5mm
- Torque Control Air Screwdriver, Impact Type
- Bit installation anvil application
- Standard type in Japan
- Option: Following retainer anvil is available.
No. GT-C1400
Corner type impact wrench

Compact and lightweight, these impact wrenches have been designed to achieve the best possible balance in the hand, ensuring a secure hold for optimum nut/bolt work.

No. GT-C1400
Corner type impact wrench

Unique mechanism pursuing high hammering efficiency (PAT.P.)
Transverse-mounted hammer part transmitting hammering forces directly to the anvil, it gives high power with its compact body.
Air Impact Wrenches  Model Selection Chart

*Fastening torque is based on JIS B1083. (Metric coarse screw, friction coefficient $\mu$: 0.15) The following selection chart is for referential purposes only.

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<th>Screw diameter</th>
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</table>

800: GT-P6II / S650 / S65W / P65W / S70WK / P60XW / S60XW
1000: GT-P8II / P80W / P80XW / C900
1400: GT-1400P / P12 / C1400
1600: GT-1600VFX / 1600VPH(L) / 1600VP(L) / P14J (L) / 1600P(L) / P14W / 1600JP
2500: GT-2500LF / 2500PF / S22W
3800: GT-3900VVL / 3900VP / 3900V / 3800LX / S32RW
4200: GT-4200LF / 4200PF / 4200L / 4200
4800: GT-4800VVL
555R: GT-555R
Machine Bolt Dia. 16mm  Compact, lightweight and high power with V shape hammer system.

**One point**

**GT-1600VP/HT-1600VPHL** Oilless mechanism

Completely oil-less model with rust-proofing and lubrication treatment on the air passage. Maintenance-free and environmental-friendly impact wrench, not causing oil mist.

- **Cylinder**
  - Alumined layer (lubricated)
  - Fluororesin coating

- **Bearing**
  - Stainless bearing

- **Roter**
  - Plating layer (lubricated)
  - Fluororesin coating

- **Roter blade**
  - Epoxide-based resin (lubricated)
  - Smooth rotation even without lubricating oil

- **Valve**
  - Nickel plating finishment

- w/ Inlet mesh
  - Stainless mesh

*Rust-proof and lubrication-free

---

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>Torque Range (N·m)</th>
<th>Max. Torque (N·m)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Sealing Length (m)</th>
<th>Weight (kg)</th>
<th>Accessories Plug</th>
<th>Accessories Wrench</th>
<th>EDP No.</th>
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<tr>
<td>GT-1600VPX</td>
<td>16</td>
<td>49~294.2</td>
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<td>0.4</td>
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<td>336013</td>
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<td>Rc 1/4</td>
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<td>GT-1600VPL</td>
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<td>Rc 1/4</td>
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*Air pressure: 0.6MPa  *Overall length and Weight: Accessories not included. *Capacity is listed as instant reference and depends on operation conditions.
Machine Bolt Dia. **39mm**  
Compact, lightweight and high power with V shape hammer system.

**No. GT-3900VP**
- Retainer ring
- Adjust dial
- Rear exhaust

**No. GT-3900VL**
- Retainer ring
- Adjust dial

**No. GT-3900V**
- Retainer ring
- Adjust dial

Machine Bolt Dia. **48mm**  
Compact, lightweight and high power with V shape hammer system.

**No. GT-4800VL**
- Pin-lock
- Adjust dial

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordnan Bolt Dia. (mm)</th>
<th>Torque Range (N-m)</th>
<th>Max. Torque (N-m)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (l/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Duct length (mm)</th>
<th>Weight (kg)</th>
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<th>Accessories L-wrench</th>
<th>EDP No.</th>
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<td>GT-3900VP</td>
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<td>268</td>
<td>7.95</td>
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<td>H5, H6</td>
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<td>GT-3900VL</td>
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<td>GT-4800VL</td>
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<td>2542.1</td>
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<td>1/2”x1/2” (hose nipple) H6</td>
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*Air pressure: 6.0MPa*  
*Overall length and Weight: Accessories not included.*  
*Capacity is listed as instant reference and depends on operation conditions.*
Machine Bolt Dia. **20mm** Models with the best balance between strength and lightness.

![Image of machine bolt dia. 20mm](image)

- **No. GT-2000PF**
  - Retainer ring
  - Adjust dial
  - Rear exhaust/Noise reducer

Machine Bolt Dia. **25mm** Models with the best balance between strength and lightness.

![Image of machine bolt dia. 25mm](image)

- **No. GT-2500PF**
  - Retainer ring
  - Adjust dial
  - Rear exhaust/Noise reducer

Machine Bolt Dia. **39mm** Models with the best balance between strength and lightness.

![Image of machine bolt dia. 39mm](image)

- **No. GT-3800LX** PAT.
  - Retainer ring
  - Adjust dial
  - Rear exhaust/Noise reducer
  - Short arm
  - Inner lever model available as option.

- **No. GT-3800PX**
  - Retainer ring
  - Rear exhaust/Noise reducer

---

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>Torque Range (N·m)</th>
<th>Max. Torque (N·m)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (l/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Seal Length (mm)</th>
<th>Weight (kg)</th>
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<th>Accessories Lrench</th>
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<td>98~460.9</td>
<td>542.7</td>
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<td>Rc: 1/4</td>
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<td>210</td>
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<td>H5</td>
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<tr>
<td>GT-2500PF</td>
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<td>1187.7</td>
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<td>0.6</td>
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<td>242</td>
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<td>H5</td>
<td>335326</td>
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<tr>
<td>GT-2500LF</td>
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<td>245~961</td>
<td>1315.2</td>
<td>4,400</td>
<td>0.7</td>
<td>Rc: 3/8</td>
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<td>478</td>
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<td>490~1607</td>
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<td>8.9</td>
<td>BPB-4</td>
<td>H5</td>
<td>335389</td>
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*Air pressure: 0.6MPa. Overall length and Weight: Accessories not included. Capacity is listed as instant reference and depends on operation conditions.
Machine Bolt Dia. **42mm** Models with the best balance between strength and lightness.

**No. GT-4200PF**
- Pin-lock
- Adjust dial

Machine Bolt Dia. **52mm** Models with the best balance between strength and lightness.

**No. GT-S55R**
- Pin-lock
- Adjust dial
- Noise reducer

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity (Nm)</th>
<th>Torque Range (N-m)</th>
<th>Max. Torque (N-m)</th>
<th>No. Load Speed (rpm)</th>
<th>Air Consumption (lpm)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Overall Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
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<td>343-1863</td>
<td>2250</td>
<td>2500</td>
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<td>297</td>
<td>11.5</td>
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<tr>
<td>GT-4200L</td>
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<td>343-1863</td>
<td>2250</td>
<td>3200</td>
<td>1.0</td>
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<td>GT-S55R</td>
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<td>343-2450</td>
<td>3000</td>
<td>2800</td>
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<td>610</td>
<td>17.0</td>
<td>H6</td>
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</table>

*Air pressure: 8.5MPa  Overall length and Weight: Accessories not included  Capacity is listed as instant reference and depends on operation condition.*

---

**One point**

Grip shape specialized for working with tires

Designed so that the center of gravity comes to the center of the whole body with the socket and air hose attached.
Very recommended to large tire shops replacing many tires a day.

No. GT-3800LX
Air Impact Wrenches Single Hammer

1. **Machine Bolt Dia. 6~8mm**  For strong tightening work. Excellent durability.
   - GT-S650
   - Special feature:
     - Retainer ring
     - Adjust dial

2. **Machine Bolt Dia. 8~10mm**  For strong tightening work. Excellent durability.
   - GT-P8II
   - Special feature:
     - Retainer ring
     - Adjust dial

3. **Machine Bolt Dia. 6~8mm**  Corner type impact wrench.
   - GT-S600C
   - Special feature:
     - Pin-lock
     - Adjust dial

4. **Machine Bolt Dia. 10mm**  Corner type impact wrench.
   - GT-C900
   - Special feature:
     - Retainer ring
     - Adjust dial

5. **Machine Bolt Dia. 14mm**  Corner type impact wrench.
   - GT-C1400
   - Special feature:
     - Retainer ring
     - Adjust dial

*See P144*  

### Table: Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>Torque Range (Nm)</th>
<th>Max. Torque (Nm)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Seal Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories Plug</th>
<th>Accessories L wrench</th>
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<td>GT-S650</td>
<td>6~8</td>
<td>49~121.6</td>
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<td>7,500</td>
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<td>Rc 1/4</td>
<td>6.35</td>
<td>210</td>
<td>1.3</td>
<td>BPB-2</td>
<td>H4</td>
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<tr>
<td>GT-P6II</td>
<td>6~8</td>
<td>49~121.6</td>
<td>140.5</td>
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<td>146</td>
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<td>H4</td>
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<td>GT-P8II</td>
<td>8~10</td>
<td>49~259.8</td>
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<td>BPB-2</td>
<td>H3/H4</td>
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<td>GT-S600C</td>
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<td>25~47</td>
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<td>49~220</td>
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<td>277</td>
<td>2.8</td>
<td>BPB-2</td>
<td>H4/H5</td>
</tr>
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</table>

*Air pressure: 0.6MPa  *Overall length and Weight: Accessories not included.  *Capacity is listed as instant reference and depends on operation conditions.
Machine Bolt Dia. 14 mm  For strong tightening work. Excellent durability.

Machine Bolt Dia. 16 mm  For strong tightening work. Excellent durability. Long anvil model also available.

**VEssel**  Air motor tightens really fast  **Air Impact Wrenches Single Hammer**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity/Ordinate Bolt Dia. (mm)</th>
<th>Torque Range (N·m)</th>
<th>Max. Torque (N·m)</th>
<th>No. Load Speed (rpm)</th>
<th>Air Consumption (l/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Hose Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories Plug</th>
<th>Accessories Wrench</th>
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<td>49~294.1</td>
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<td>6.35</td>
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<td>2.3</td>
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<td>H4</td>
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<tr>
<td>GT-1400P</td>
<td>12~14</td>
<td>49~294.1</td>
<td>344.9</td>
<td>7,000</td>
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<tr>
<td>GT-P14J</td>
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<td>75~323.6</td>
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<td>75~323.6</td>
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</table>

*Air pressure: 0.6MPa  *Overall length and Weight: Accessories not included.  *Capacity is listed as instant reference and depends on operation conditions.
Machine Bolt Dia. **20mm**  For strong tightening work. Excellent durability. Long anvil model also available.

- **No. GT-P18J**
  - Retainer ring
  - Adjust dial

- **No. GT-2000P**
  - Retainer ring
  - Adjust dial

Machine Bolt Dia. **33mm**  For strong tightening work.

- **No. GT-P32J**
  - Pin-lock
  - Adjust dial

Machine Bolt Dia. **42mm**  For strong tightening work.

- **No. GT-4200P**
  - Pin-lock
  - Adjust dial

---

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>Torque Range (N·m)</th>
<th>Max. Torque (N·m)</th>
<th>No. Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Seal Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
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</tbody>
</table>

Air pressure: 0.6 MPa  *Overall length and Weight: Accessories not included.  *Capacity is listed as instant reference and depends on operation conditions.

---

**Air Impact Wrenches Single Hammer**  Air motor tightens really fast  **VESSEL**
VESEL

Air motor tightens really fast

Air Impact Wrenches Double Hammer

Machine Bolt Dia. 6~8mm
Low noise and low vibration. High power and high durability.

No. GT-S60XW

9.5 Pin-lock

3 Adjust dial
Noise reducer/Rear exhaust

↓ See One point

No. GT-P60XW

9.5 Pin-lock

3 Adjust dial
Noise reducer/Rear exhaust

↓ See One point

Machine Bolt Dia. 8~10mm
Low noise and low vibration. High power and high durability.

No. GT-P80XW

12 Pin-lock

4 Adjust dial
Noise reducer/Rear exhaust

One point

GT-S60XW / GT-P60XW
Quest for easy-to-use tools
Flexible ways to hold. Easy-to-hold grip and balanced body improve workability.

Adjust and switch to change right/left rotation

Horizontal fastening

Horizontal fastening

Vertical fastening

No. GT-S60XW

No. GT-P60XW

Model No. Capacity Order
(Bolt Dia. (mm)) Torque Range
(N·m) Max. Torque
(N·m) No. Load Speed
(rpm) Air Consumption
(l/min) Hose Coupling
Air Hose Inner Dia. (mm) Deal length
(mm) Weight
(kg) Accessories
EDP No.

GT-S60XW 6~8 49~116.8 135.0 7,500 0.38 Rc 1/4 6.35 192 1.0 — BPB-2 — 324022

GT-P60XW 6~8 49~116.8 135.0 7,500 0.38 Rc 1/4 6.35 169.4 1.1 — BPB-2 — 324020

GT-P80XW 8~10 49~229.7 242.9 7,000 0.4 Rc 1/4 6.35 163.5 1.48 — BPB-2 H4 324049

*Air pressure: 6~8 ata *Overall length and Weight: Accessories not included. *Capacity is listed as instant reference and differs on operation conditions.

HAND TOOLS

BITS & SOCKETS

ELECTRIC TOOLS

STATIC SOLUTIONS

AIRCRAFT TOOLS

GASOLINE ENGINE TOOLS

157
Machine Bolt Dia. 5~6mm For powerful constant fastening. Excellent durability.

- Pin-lock
- Adjust dial

Model No. GT-S6MLRB
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 311103

Machine Bolt Dia. 6~8mm Corner type impact wrench.

- Pin-lock
- Adjust dial

Model No. GT-S60CW
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 324038

Machine Bolt Dia. 6~8mm For powerful constant fastening. Excellent durability.

- Pin-lock
- Adjust dial

Model No. GT-S65W
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 324008

Machine Bolt Dia. 8~10mm For powerful constant fastening.

- Pin-lock
- Adjust dial

Model No. GT-S70WK
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 324017

Machine Bolt Dia. 12~16mm For powerful constant fastening.

- Pin-lock
- Adjust dial

Model No. GT-P80W
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 324011

Model No. GT-P14W
Torque Range (N·m) 49~121.6
Max. Torque (N·m) 150
No. Load Speed (rpm) 8,500
Air Consumption (m³/min) 8,500
Hose Coupling G 1/4
Air Hose Inner Dia. (mm) 6.35
Molding Length (mm) 200
Weight (kg) 1.1
Accessories A/F10 BPN-2F
EDP No. 324048

Note:
- Air pressure: 0.6MPa
- Overall length and weight: Accessories not included.
- Capacity is listed as instant reference and depends on operation conditions.
Air Impact Wrenches Double Hammer

Machine Bolt Dia. **20mm** For powerful constant fastening.

- **No. GT-S20RW**
  - 19 Pin-lock
  - 4 Adjust dial

Machine Bolt Dia. **33mm** For powerful constant fastening.

- **No. GT-S32RW**
  - 35.4 Pin-lock
  - 4 Adjust dial

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Orders</th>
<th>Torque Range</th>
<th>Max. Torque</th>
<th>No Load Speed</th>
<th>Air Consumption</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia (mm)</th>
<th>Overall Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-S20RW</td>
<td>20</td>
<td>75~610</td>
<td>928</td>
<td>4800</td>
<td>0.9</td>
<td>Rc 3/8</td>
<td>95</td>
<td>300</td>
<td>5.4</td>
<td>BPB-3</td>
<td>324101</td>
</tr>
<tr>
<td>GT-S32RW</td>
<td>33</td>
<td>343~1,569</td>
<td>1,801.2</td>
<td>3,600</td>
<td>1.0</td>
<td>Rc 1/2</td>
<td>12.7</td>
<td>380</td>
<td>12.2</td>
<td>BPB-4 H5, H6</td>
<td>324088</td>
</tr>
</tbody>
</table>

- Air pressure: 0.6MPa
- Overall length and Weight: Accessories not included.
- Capacity is listed as instant reference and depends on operation conditions.

Air Impact Wrenches Twin Hammer

Machine Bolt Dia. **16mm** Well balanced, less shock from the impact.

- **No. GT-1600JP**
  - 12 Retainer ring
  - 3 Adjust dial
  - Rear exhaust

New

Machine Bolt Dia. **20mm** Well balanced, less shock from the impact.

- **No. GT-1700BX**
  - 12 Retainer ring
  - 4 Adjust dial
  - Rear exhaust

New

Oil lubricating mechanism
- Oil protects the hammer unit and reduces irritating noises, preventing parts from being burned.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Orders</th>
<th>Torque Range</th>
<th>Max. Torque</th>
<th>No Load Speed</th>
<th>Air Consumption</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia (mm)</th>
<th>Overall Length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-1600JP</td>
<td>16</td>
<td>50~220</td>
<td>280</td>
<td>10,000</td>
<td>0.6</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>109</td>
<td>1.4</td>
<td>BPB-2</td>
<td>336014</td>
</tr>
<tr>
<td>GT-1700BX</td>
<td>20</td>
<td>Right rotation 49~450</td>
<td>Right rotation 7000</td>
<td>Right rotation 7000</td>
<td>0.9</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>192</td>
<td>2.2</td>
<td>—</td>
<td>331286</td>
</tr>
</tbody>
</table>

- Air pressure: 0.6MPa
- Overall length and Weight: Accessories not included.
- Capacity is listed as instant reference and depends on operation conditions.
Air Ratchet Wrenches

- **Machine Bolt Dia. 10mm** This ratchet tightening system makes it possible to fine-tune the wrenching torque.

![Image of ratchet wrench](image)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Seal length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-R10M</td>
<td>10</td>
<td>250</td>
<td>0.3</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>170</td>
<td>500</td>
<td>BPB-2</td>
<td>339003</td>
</tr>
<tr>
<td>GT-R10</td>
<td>10</td>
<td>160</td>
<td>0.4</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>297</td>
<td>1090</td>
<td>BPB-2</td>
<td>339001</td>
</tr>
</tbody>
</table>

*Air pressure: 0.6MPa. Overall length and Weight: Accessories not included.

Air Impact Wrenches, Torque Control Type

- **Machine Bolt Dia. 6~8mm** Automatic suspensions by torque set-up

![Image of impact wrench](image)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity Ordinary Bolt Dia. (mm)</th>
<th>Torque Range (Nm)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Seal length (mm)</th>
<th>Weight (kg)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-P6T</td>
<td>6~8</td>
<td>7.8~17.6</td>
<td>3,000</td>
<td>0.27</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>246</td>
<td>1.5</td>
<td>BPB-2</td>
<td>324003</td>
</tr>
<tr>
<td>GT-P8T</td>
<td>8~10</td>
<td>17.6~31.4</td>
<td>2,500</td>
<td>0.31</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>266</td>
<td>2.2</td>
<td>BPB-2</td>
<td>324005</td>
</tr>
</tbody>
</table>

*Air pressure: 0.6MPa. Overall length and Weight: Accessories not included. Capacity is listed as instant reference and depends on operation conditions.*
No. GT-HPS160
Power Scaler

The barycenter is at the front side, alleviating the strain on your wrist. Effortless operation is possible by just pressing the needles on welding spatters, slugs, etc. The impact does not catch your hand so the needles do not spread out as much, making it easier to work.

Even in places set deep at the back where the pistol types cannot reach, it can be handled smoothly.
Power Scaler

- The barycenter is at the front side, alleviating the strain on your wrist. Downward-facing work on a welding bench is easy and effortless.
- With a new shape similar to the straight type, it can be handled smoothly even in places set deep at a place where the pistol types cannot reach.
- Needles do not spread as much, enabling to aim at the welding spatters and to perform a precise work.
- Easy to replace needles without any tools.
- The hose rotates 360°, making it easier to handle. Equipped with a filter to prevent dust coming in from the air inlet.
- Convenient for removing spatters or slugs, peeling off coating and removing rust.

Needles for Power Scalers

**No. HPSN-215** NEW

- Needle \( \phi 2 \text{mm} \times 150 \text{mm} \) …………… 29pcs.
- Accessories - Hose set ………………… 1set
  - Hydraulic oil for hammer unit 1pc.
  - (VG-10 - White)
  - Replacement needles …………… 29pcs.
    (\( \phi 2 \text{mm} \times 180 \text{mm} \))

**No. HPSN-318** NEW

- Needle \( \phi 3 \text{mm} \times 180 \text{mm} \) …………… 12pcs.
- Accessories - Hose set ………………… 1set
  - Hydraulic oil for hammer unit 1pc.
  - (VG-10 - White)
  - Replacement needles …………… 12pcs.
    (\( \phi 3 \text{mm} \times 180 \text{mm} \))

**No. HPSN-218** NEW

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Contents</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSN-215</td>
<td>( \phi 2 \text{mm} \times 150 \text{mm} ) 100pcs.</td>
<td>350151</td>
</tr>
<tr>
<td>HPSN-218</td>
<td>( \phi 2 \text{mm} \times 180 \text{mm} ) 100pcs.</td>
<td>350150</td>
</tr>
</tbody>
</table>

**For GT-HPS160 (100pieces)**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Contents</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSN-215</td>
<td>( \phi 2 \text{mm} \times 150 \text{mm} ) 100pcs.</td>
<td>350151</td>
</tr>
<tr>
<td>HPSN-218</td>
<td>( \phi 2 \text{mm} \times 180 \text{mm} ) 100pcs.</td>
<td>350150</td>
</tr>
</tbody>
</table>

**For GT-HPS200 (50pieces)**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Contents</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSN-318</td>
<td>( \phi 3 \text{mm} \times 180 \text{mm} ) 50pcs.</td>
<td>350152</td>
</tr>
</tbody>
</table>
No. GT-BS12
Air Belt Sanders

The center of the arm becomes the center of gravity. This belt has been designed in an offset position so that it becomes aligned with the center of the arm when the unit is taken up. This slight difference in balance makes a big difference in reducing fatigue. A major ergonomic achievement.

No. GT-BS12
Air Belt Sanders
The more you use our air belt sander, the more you will see how efficient and well balanced they are. They boast an easy-to-use, one-touch system for paper and disk replacement, and their delicate balance achieves a major reduction in fatigue.
Air Belt Sanders

Belt Width **12mm/10mm** Compact and lightweight.

- **No. GT-BS12** PAT.
  - With noise reducer
  - Accessories:
    - Sand belt: #60 - 2pcs.
    - #80 - 1pc.

Belt Width **20mm** Roller head can be chosen.

- **No. GT-BS20** PAT.
  - Aluminum roller head
  - With noise reducer

Belt Width **30mm** Roller head can be chosen.

- **No. GT-BS30** PAT.
  - Aluminum roller head
  - With noise reducer

- **No. GT-BS30W** PAT.
  - Urethane roller head
  - With noise reducer

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable Belt Size</th>
<th>Belt Circumferential Speed (m/min)</th>
<th>Working Air Pressure (MPa)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (l/min)</th>
<th>Hose Coupling</th>
<th>Depth Length (mm)</th>
<th>Weight (g)</th>
<th>No.</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-BS12</td>
<td>12mm/10mm×330mm</td>
<td>1,100</td>
<td>0.6</td>
<td>17,000</td>
<td>0.52</td>
<td>Rc 1/4</td>
<td>311</td>
<td>840</td>
<td>BPB-2</td>
<td>310621</td>
</tr>
<tr>
<td>GT-BS20</td>
<td>20mm×520mm</td>
<td>2,600</td>
<td>0.6</td>
<td>16,500</td>
<td>0.6</td>
<td>Rc 1/4</td>
<td>398</td>
<td>1,300</td>
<td>BPB-2</td>
<td>310622</td>
</tr>
<tr>
<td>GT-BS30</td>
<td>30mm×540mm</td>
<td>2,040</td>
<td>0.6</td>
<td>13,000</td>
<td>0.72</td>
<td>Rc 1/4</td>
<td>374</td>
<td>1,930</td>
<td>BPB-2</td>
<td>310624</td>
</tr>
</tbody>
</table>

*Total length: When mounted with belt.

Accessories:
- Sand belt: #60 - 2pcs.
- #80 - 1pc.

Air Disk Sanders

Disk Dia. **50mm** Low speed of 5000 rpm & High torque.

- **No. GT-DS50A**
  - With noise reducer
  - Accessories:
    - Flap wheel #60 - 1pc.
    - Fiber wheel #600 - 1pc.
    - Pitatto holder - 1pc.
    - Pitatto disk paper #600 - 3pcs.

- **No. GT-DS50B**
  - With noise reducer
  - Accessories:
    - Protective cover
    - Disk nut
    - Pin wrench

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Disk Dia. (mm)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (l/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Depth Length (mm)</th>
<th>Weight (g)</th>
<th>Tip Tool Installation Part</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-DS50A</td>
<td>50</td>
<td>5,000</td>
<td>0.65</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>211</td>
<td>935</td>
<td>Collet chuck φ6mm</td>
<td>BPB-2</td>
</tr>
<tr>
<td>GT-DS50B</td>
<td>100</td>
<td>5,000</td>
<td>0.65</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>211</td>
<td>1,150</td>
<td>M10 Disk nut</td>
<td>BPB-2</td>
</tr>
</tbody>
</table>

*Air pressure: 0.6MPa*
Endless belts for air belt sander

**No. CB12** Ceramic Endless Belt (for GT-BS12)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Size</th>
<th>Grit No.</th>
<th>Quantity</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB12-60</td>
<td>12mm×330mm</td>
<td>#60</td>
<td>50</td>
<td>350061</td>
</tr>
<tr>
<td>CB12-80</td>
<td>12mm×330mm</td>
<td>#80</td>
<td>50</td>
<td>350062</td>
</tr>
<tr>
<td>CB12-120</td>
<td>12mm×330mm</td>
<td>#120</td>
<td>50</td>
<td>350064</td>
</tr>
</tbody>
</table>

**No. ZB20** Zirconia Endless Belt (for GT-BS12)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Size</th>
<th>Grit No.</th>
<th>Quantity</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZB20-40</td>
<td>20mm×520mm</td>
<td>#40</td>
<td>20</td>
<td>350067</td>
</tr>
<tr>
<td>ZB20-60</td>
<td>20mm×520mm</td>
<td>#60</td>
<td>20</td>
<td>350068</td>
</tr>
<tr>
<td>ZB20-80</td>
<td>20mm×520mm</td>
<td>#80</td>
<td>20</td>
<td>350069</td>
</tr>
</tbody>
</table>

Air Disk Sander Wheel (For DS50A) See P162 One point→

**No. PD-P60** Pitatto Disk Paper

**No. PD-P6** Pitatto Holder

**No. FL-60.120** Flap Wheel

**No. FB-400.600.1000** Fiber Wheel

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PD-P60</td>
<td>Z60</td>
<td>20,000</td>
<td>Zirconia</td>
<td>Thin pressed plate deburring, surfacing, etc.</td>
<td>50</td>
<td>350111</td>
</tr>
<tr>
<td>PD-P6</td>
<td></td>
<td>20,000</td>
<td>Rubber (Pad)</td>
<td>For Pitatto disk paper</td>
<td>1</td>
<td>350116</td>
</tr>
<tr>
<td>FL-60</td>
<td>A60</td>
<td>20,000</td>
<td>Alumina</td>
<td>Deburring, spatter removal, Cylinder lining polishing, surfacing, etc.</td>
<td>5</td>
<td>350101</td>
</tr>
<tr>
<td>FL-120</td>
<td>A120</td>
<td>20,000</td>
<td>Alumina</td>
<td>Deburring, spatter removal, Cylinder lining polishing, surfacing, etc.</td>
<td>5</td>
<td>350102</td>
</tr>
<tr>
<td>FB-400</td>
<td>400</td>
<td>10,000</td>
<td>Unwoven cloth</td>
<td>Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.</td>
<td>5</td>
<td>350106</td>
</tr>
<tr>
<td>FB-600</td>
<td>600</td>
<td>10,000</td>
<td>Unwoven cloth</td>
<td>Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.</td>
<td>5</td>
<td>350107</td>
</tr>
<tr>
<td>FB-1000</td>
<td>1000</td>
<td>10,000</td>
<td>Unwoven cloth</td>
<td>Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.</td>
<td>5</td>
<td>350108</td>
</tr>
</tbody>
</table>

Wheels to Remove Rust / Stains (For DS50B) See P162 One point→

**No. HMW10** Hammer Wheel **PAT.P.**

**No. BHW10** Brush Wheel

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max. Circumferential Speed (rpm)</th>
<th>Material</th>
<th>Use</th>
<th>Quantity</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMW10</td>
<td>5,000</td>
<td>SUS</td>
<td>Slag and spatter removal after welding, etc.</td>
<td>1</td>
<td>350121</td>
</tr>
<tr>
<td>BHW10</td>
<td>5,000</td>
<td>Abrasive grain nylon</td>
<td>Steel plate rust removal, aluminum cast finishing, etc.</td>
<td>1</td>
<td>350122</td>
</tr>
</tbody>
</table>
**Disk Dia. 100mm**  Handy & powerful grinder pursuing safety and usability.

**No. GT-DG100**

---

**Model No.**

<table>
<thead>
<tr>
<th>GT-DG100</th>
<th>100x6x15</th>
</tr>
</thead>
</table>

**Jet Centrifugal Speed (m/min)**

4,300

**No Load Speed (rpm)**

13,500

**Air Consumption (nl/min)**

0.7

**Hose Coupling**

Rc 1/4

**Cord Length (m)**

205

**Height (mm)**

92

**Weight (g)**

1,390

**Accessories**

Plug: BPB-2  L-wrench: H6

**EDP No.**

310630

---

**One point**

**Application**

- For grinding inner cylinder and plane surface and removing burr (Grinding, welding press)

- For removing dirt, cleaning welded parts and processed parts, removing scuffing, feathering, etc.

- For removing burr from thin metal sheet press, cutter mark, burr from aluminum casting, wood work, etc.

- For removing slag and spatter after welding, rust on steel members, burr on foundry pieces, shells on ship bottom, etc.

- For removing rust on steel members, grain pattern finishing, finishing for aluminum casting

**Wheel**

- Flap Wheel
  - No.Fl-60
  - No.Fl-120

- Fiber Wheel
  - No.FB-400
  - No.FB-600
  - No.FB-1000

- Pitatto Holder + Pitatto Disk Paper
  - No.PD-P6
  - No.PD-P60

- Hammer Wheel
  - No.HMW10

- Brush Wheel
  - No.BHW10

**Tools**

- No.GT-DS50A
- No.GT-DS50B
Collet chuck φ3mm High rotation speed and minimum core deviation, realizing an effortless and smooth grinding performance

**No. GT-MG75S**

75,000 rpm

**No. GT-MG75SAR**

75,000 rpm

Collet chuck (φ2.35mm, φ1/8”)

Ergo Grip

55,000 rpm

**No. GT-MG55S**

55,000 rpm

**No. GT-MG55SAR**

55,000 rpm

Collet chuck (φ2.35mm, φ1/8”) Corner attachment

No.GT-MG25S-12CF (Smooth grinding / polishing at 25,000 rpm)
No.GT-MG25S-12CC (Precision grinding at 25,000 rpm)

Collet chuck φ6mm High rotation speed and minimum core deviation, realizing an effortless and smooth grinding performance

**No. GT-MG25S**

25,000 rpm

**No. GT-MG35SAR**

35,000 rpm

Collet chuck (φ3mm, φ1/4”, φ1/8”)

**No. GT-MG35S-12CC**

35,000 rpm

**No. GT-MG35S-12CR**

35,000 rpm

**No. GT-MG25S**

25,000 rpm

**No. GT-MG35SAR**

35,000 rpm

Collet chuck (φ3mm, φ1/4”, φ1/8”)

**Table**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (lit/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Overal Length (mm)</th>
<th>Frame Dia. (mm)</th>
<th>Weight (g)</th>
<th>Collet Chuck (φmm)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-MG75S</td>
<td>75,000</td>
<td>0.16</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>170</td>
<td>18.5</td>
<td>190</td>
<td>3</td>
<td>H9</td>
<td>310725</td>
</tr>
<tr>
<td>GT-MG75SAR</td>
<td>75,000</td>
<td>0.16</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>156</td>
<td>20.9</td>
<td>180</td>
<td>3</td>
<td>H5,H9</td>
<td>310726</td>
</tr>
<tr>
<td>GT-MG55S</td>
<td>55,000</td>
<td>0.16</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>180</td>
<td>20.5</td>
<td>220</td>
<td>3</td>
<td>H9</td>
<td>310750</td>
</tr>
<tr>
<td>GT-MG55SAR</td>
<td>55,000</td>
<td>0.245</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>178</td>
<td>24.4</td>
<td>260</td>
<td>3</td>
<td>H5,H9</td>
<td>310773</td>
</tr>
<tr>
<td>GT-MG55S</td>
<td>55,000</td>
<td>0.16</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>165</td>
<td>17.5</td>
<td>180</td>
<td>3</td>
<td>H9</td>
<td>310705</td>
</tr>
<tr>
<td>GT-MG35S-12CC</td>
<td>35,000</td>
<td>0.20</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>183</td>
<td>24.5</td>
<td>305</td>
<td>3</td>
<td>H5,H9</td>
<td>310774</td>
</tr>
<tr>
<td>GT-MG35S-12CR</td>
<td>35,000</td>
<td>0.16</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>151</td>
<td>20.0</td>
<td>160</td>
<td>3</td>
<td>H5,H9</td>
<td>310748</td>
</tr>
<tr>
<td>GT-MG25S</td>
<td>25,000</td>
<td>0.175</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>198</td>
<td>30.0</td>
<td>600</td>
<td>6</td>
<td>H11,H13</td>
<td>310765</td>
</tr>
<tr>
<td>GT-MG35SAR</td>
<td>35,000</td>
<td>0.285</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>182</td>
<td>29.4</td>
<td>435</td>
<td>6</td>
<td>H11,H13</td>
<td>310772</td>
</tr>
</tbody>
</table>

*Working air pressure: 0.6MPa  *Overall length: Accessories and exhaust hose parts not included.  *Weight: Accessories not included.
 *In the main body, a 1.5m air intake hose, exhaust hose and a hose joint are attached.  *With regard to GT-MG55S, GT-MG55SAR, GT-MG75S and a 2.35 mm collet chuck is also prepared.

**Note:** Can be replaced by user.  Should be replaced at our factory.
Tip Tools for Smooth Surface Grinding and Polishing

To meet work objectives from the removal of cutter marks when manufacturing metal molding, to the finishing of mirror surfaces.

One point

Corner Attachment Replacement Heads

A selection of corner attachments with differing head shapes and gear ratios is available. VESSEL will replace the micro grinder heads in accordance with your needs.
No. GT-ASC5
Air Scraper

Featuring superior speed, operating efficiency, and durability, our air grinders are designed for cutting sheet, plate, and board material. These air scrapers are available in 2 models, with emphasis on high speed and strength. The movement amplitude is both exact and strong, and as air scrapers these units have become the focus of attention in the recycling industry.

Air Saws  High speed cutting: for recycling industries

Cutting Capacity Metal Sheet 4mm  Compact and lightweight.

Easy recovery by the restart button in case of unexpected stop.

No. GT-AS10  PAT.

Noise reducer

Accessories
Blade: 32-tooth thick blade  ASB-32H  1pc.
24-tooth thick blade  ASB-24H  1pc.

Cutting Capacity Metal Sheet 1.6mm  Compact and lightweight.

No. GT-AS100  PAT.

Accessories
Blade: 32-tooth standard blade  ASB-32  2pcs.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cutting Capacity</th>
<th>Working Air Pressure (WPa)</th>
<th>Stroke Speed (c.p.m.)</th>
<th>Air Consumption (m³/min)</th>
<th>Stroke (mm)</th>
<th>Hose Coupling</th>
<th>Overall Length (mm)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>Plug</th>
<th>L-wrench</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-AS10</td>
<td>Metal sheet 4mm</td>
<td>0.6</td>
<td>5,000</td>
<td>0.28</td>
<td>10</td>
<td>Rc 1/4</td>
<td>195.5</td>
<td>870</td>
<td>BPB-2</td>
<td>H3</td>
<td></td>
<td>336131</td>
</tr>
<tr>
<td>GT-AS100</td>
<td>Metal sheet 1.6mm</td>
<td>0.6</td>
<td>10,000</td>
<td>0.34</td>
<td>10</td>
<td>Rc 1/4</td>
<td>170</td>
<td>570</td>
<td>BPB-2</td>
<td>H2,H4</td>
<td></td>
<td>310640</td>
</tr>
</tbody>
</table>

Cutting capacity: GT-AS10: When used with a No. ASB-32H blade GT-AS100: When used with a No. ASB-32 blade

Overall Length and Weight: Accessories not included.

Air Saw Blades (For GT-AS10/AS100)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Specifications</th>
<th>Use</th>
<th>Quantity</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASB-32</td>
<td>For steel Cobalt mix, standard blade, 32 teeth</td>
<td>Cutting steel</td>
<td>10</td>
<td>350054</td>
</tr>
<tr>
<td>ASB-32H</td>
<td>For steel Cobalt mix, super thick blade, 32 teeth</td>
<td>Cutting plain and stainless steel sheet</td>
<td>10</td>
<td>350052</td>
</tr>
<tr>
<td>ASB-24H</td>
<td>For steel Cobalt mix, super thick blade, 24 teeth</td>
<td>Cutting aluminum, soft steel and resin</td>
<td>10</td>
<td>350053</td>
</tr>
<tr>
<td>ASC-25S</td>
<td>Scraper 25 mm wide blade</td>
<td>Scraping, peeling, etc.</td>
<td>1</td>
<td>350143</td>
</tr>
<tr>
<td>ASF-F-5</td>
<td>File Flat</td>
<td>File</td>
<td>5</td>
<td>350144</td>
</tr>
<tr>
<td>ASF-T-5</td>
<td>File Triangular</td>
<td>File</td>
<td>5</td>
<td>350146</td>
</tr>
</tbody>
</table>
Easy recovery by the restart button in case of unexpected stop.

**No. GT-ASC5**

Noise reducer

*Scraper sold separately

: See One point

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Working Air Pressure (bPa)</th>
<th>Stroke Speed (c.p.m.)</th>
<th>Air Consumption (m³/min)</th>
<th>Stroke (m)</th>
<th>Hose Coupling</th>
<th>Swelling (m)</th>
<th>Weight (g)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-ASC5</td>
<td>0.6</td>
<td>7,000</td>
<td>0.28</td>
<td>5</td>
<td>Rc 1/4</td>
<td>195.5</td>
<td>810</td>
<td>BPB-2</td>
<td>H3</td>
</tr>
</tbody>
</table>

**Scrapper (For GT-ASC5)**

**No. ASC-25-8**

**No. ASC-50-8**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Blade Width (mm)</th>
<th>Axis Dia. Ø (mm)</th>
<th>Use</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC-25-8</td>
<td>25</td>
<td>8</td>
<td>for IC chip</td>
<td>350141</td>
</tr>
<tr>
<td>ASC-50-8</td>
<td>50</td>
<td>8</td>
<td>for IC chip, wall</td>
<td>350142</td>
</tr>
</tbody>
</table>

**One point**

Ideal for recycling of automotive and PC

**Air Scraper**

**No. GT-ASC5**

Use to detach IC chips from circuit boards when recycling PCs, faxes, copiers.
Air Drills

Quick drilling

Drill Hole φ6mm
Compact and lightweight. Equipped with adjust-valve and silencer, which offer comfort to operators.

No. GT-D60-30 NEW
Noise reducer/Rear exhaust

Drill Hole φ6mm
Suitable for drilling holes on curved surfaces and/or hard-to-work-on places.

No. GT-CD60-34 NEW
Air Corner Drill
Rear exhaust

No. GT-D80-20 NEW
Noise reducer/Rear exhaust

No. GT-CD60-34L NEW
You can use commercially available snake drills.

No. GT-D80-20K NEW
Noise reducer/Rear exhaust
Key-less chuck type, which does not need a chuck handle

Drill Hole φ8mm
Compact, lightweight, and noise reducer equipped, for comfort to the workplace.

No. GT-D100-15 NEW
Noise reducer/Rear exhaust

No. GT-D100-15K NEW
Noise reducer/Rear exhaust
Key-less chuck type, which does not need a chuck handle

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Steel Plate Drilling Capacity φ (mm)</th>
<th>No Load Speed (rpm)</th>
<th>Air Consumption (m³/min)</th>
<th>Hose Coupling</th>
<th>Air Hose Inner Dia. (mm)</th>
<th>Speed (rpm)</th>
<th>Weight (g)</th>
<th>Chuck Size (mm)</th>
<th>Accessories</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-D60-30</td>
<td>6</td>
<td>3,000</td>
<td>0.52</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>188</td>
<td>880</td>
<td>6.0</td>
<td>BPB-2</td>
<td>310603</td>
</tr>
<tr>
<td>GT-D60-45</td>
<td>6</td>
<td>4,500</td>
<td>0.56</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>188</td>
<td>890</td>
<td>6.0</td>
<td>BPB-2</td>
<td>310603</td>
</tr>
<tr>
<td>GT-CD60-34</td>
<td>6</td>
<td>3,400</td>
<td>0.42</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>250</td>
<td>820</td>
<td>6.0</td>
<td>BPB-2</td>
<td>336141</td>
</tr>
<tr>
<td>GT-CD60-34L</td>
<td>6</td>
<td>3,400</td>
<td>0.42</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>251</td>
<td>840</td>
<td>6.0</td>
<td>BPB-2</td>
<td>336142</td>
</tr>
<tr>
<td>GT-D80-20</td>
<td>8</td>
<td>2,000</td>
<td>0.35</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>165</td>
<td>940</td>
<td>8.0</td>
<td>BPB-2</td>
<td>310604</td>
</tr>
<tr>
<td>GT-D80-20K</td>
<td>8</td>
<td>2,000</td>
<td>0.35</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>171</td>
<td>960</td>
<td>8.0</td>
<td>BPB-2</td>
<td>310605</td>
</tr>
<tr>
<td>GT-D100-15</td>
<td>10</td>
<td>1,500</td>
<td>0.54</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>189</td>
<td>1,280</td>
<td>10.0</td>
<td>BPB-2</td>
<td>310606</td>
</tr>
<tr>
<td>GT-D100-15K</td>
<td>10</td>
<td>1,500</td>
<td>0.54</td>
<td>Rc 1/4</td>
<td>6.35</td>
<td>195</td>
<td>1,300</td>
<td>10.0</td>
<td>BPB-2</td>
<td>310607</td>
</tr>
</tbody>
</table>

*Working air pressure: 0.6MPa. -Overall length and Weight: Accessories not included.
No. AD-4 N
Air Dusters

VESSEL’s air dusters boast aluminum die-cast bodies that are light and strong, a wide selection of replaceable nozzles such as extra-long nozzles, flexible nozzles, nozzles with flanges, and a protector to prevent loosening of the handle lever.

2 types are available to meet a variety of needs. A perfect amalgamation of materials with ergonomic design has made easy-to-use products for all applications of blowing and drying work.
Air Dusters Abundance of models supporting various applications

Standard Nozzle **AD-4 N** Standard Type.

Flow Volume Adjustment Nozzle **AD-4 J** Can control air flow.

High Volume Nozzle **AD-4 M** Booster nozzle with a higher spraying pressure.
→ See 175P One point

Brushing Nozzle **AD-4 B** Powerfully sweeps out particles with a sturdy brush.
→ See 175P One point

Long Nozzle **AD-4 N** For working in deep and distant places.

Flexible Nozzle **AD-4 NF** Bendable nozzle.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nozzle Type</th>
<th>Nozzle Inner Dia. (mm)</th>
<th>Air Consumption (L/min)</th>
<th>Seal (mm)</th>
<th>Weight (g)</th>
<th>Air Hose Connection</th>
<th>Outer Cn.</th>
<th>Card / Box Size (mm)</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-4 N</td>
<td>Standard Nozzle</td>
<td>2</td>
<td>180</td>
<td>125</td>
<td>235</td>
<td>Coupling</td>
<td>20</td>
<td>in paper box 110×173</td>
<td>141180</td>
</tr>
<tr>
<td>AD-4 N-PB</td>
<td>Standard Nozzle</td>
<td>2</td>
<td>180</td>
<td>125</td>
<td>235</td>
<td>1/4 Hose</td>
<td>10</td>
<td>185×160</td>
<td>141181</td>
</tr>
<tr>
<td>AD-4 N-PT</td>
<td>Standard Nozzle</td>
<td>2</td>
<td>180</td>
<td>125</td>
<td>235</td>
<td>Coupling</td>
<td>10</td>
<td>185×160</td>
<td>141182</td>
</tr>
<tr>
<td>AD-4 J</td>
<td>Flow Adjustment Nozzle</td>
<td>2</td>
<td>150</td>
<td>130</td>
<td>240</td>
<td>Coupling</td>
<td>20</td>
<td>in paper box 110×173</td>
<td>141183</td>
</tr>
<tr>
<td>AD-4 J-PB</td>
<td>Flow Adjustment Nozzle</td>
<td>2</td>
<td>150</td>
<td>130</td>
<td>240</td>
<td>Coupling</td>
<td>10</td>
<td>185×160</td>
<td>141184</td>
</tr>
<tr>
<td>AD-4 J-PT</td>
<td>Flow Adjustment Nozzle</td>
<td>2</td>
<td>150</td>
<td>130</td>
<td>240</td>
<td>1/4 Hose</td>
<td>10</td>
<td>185×160</td>
<td>141185</td>
</tr>
<tr>
<td>AD-4 M</td>
<td>High Volume Nozzle</td>
<td>2+1pc.08×4pcs.</td>
<td>240</td>
<td>125</td>
<td>228</td>
<td>Coupling</td>
<td>20</td>
<td>in paper box 110×173</td>
<td>141187</td>
</tr>
<tr>
<td>AD-4 B</td>
<td>Brushing Nozzle</td>
<td>2</td>
<td>180</td>
<td>170</td>
<td>248</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 115×220</td>
<td>141186</td>
</tr>
<tr>
<td>AD-4 N-150</td>
<td>Long Nozzle</td>
<td>2.5</td>
<td>180</td>
<td>275</td>
<td>248</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 140×300</td>
<td>141188</td>
</tr>
<tr>
<td>AD-4 N-200</td>
<td>Long Nozzle</td>
<td>2.5</td>
<td>180</td>
<td>325</td>
<td>253</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 140×450</td>
<td>141189</td>
</tr>
<tr>
<td>AD-4 N-300</td>
<td>Long Nozzle</td>
<td>2.5</td>
<td>180</td>
<td>425</td>
<td>260</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 140×450</td>
<td>141190</td>
</tr>
<tr>
<td>AD-4 NF-150</td>
<td>Flexible Nozzle</td>
<td>2.3</td>
<td>180</td>
<td>275</td>
<td>260</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 140×300</td>
<td>141191</td>
</tr>
<tr>
<td>AD-4 NF-300</td>
<td>Flexible Nozzle</td>
<td>2.3</td>
<td>180</td>
<td>425</td>
<td>274</td>
<td>Coupling</td>
<td>10</td>
<td>in paper box 140×450</td>
<td>141193</td>
</tr>
</tbody>
</table>

*Flow source: compressed air  
*Working air pressure: 0.5MPa  
*Max. working pressure: 0.7MPa  
*Working temperature range: 0-60°C (32-140°F)  
*Working air hose (ID: φ4mm and more  
*Overall length and weight: Air coupler included.  
*It can be bent freely due to the built-in copper tube. (Do not bend it at a steep angle.)

---

**Box package**

**Also compatible with hanging type**

**Slide package**
Interchangeable Nozzles (for AD-4) / Brushes (for AD-4 B)

**Long Nozzle**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Inner Dia. (mm)</th>
<th>Outer Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN-150</td>
<td>2.5</td>
<td>5</td>
<td>150</td>
<td>10</td>
<td>141133</td>
</tr>
<tr>
<td>LN-200</td>
<td>2.5</td>
<td>5</td>
<td>200</td>
<td>10</td>
<td>141134</td>
</tr>
<tr>
<td>LN-300</td>
<td>2.5</td>
<td>5</td>
<td>300</td>
<td>10</td>
<td>141135</td>
</tr>
<tr>
<td>LN-500</td>
<td>2.5</td>
<td>5</td>
<td>500</td>
<td>10</td>
<td>141136</td>
</tr>
</tbody>
</table>

**Air Flow Volume Adjustment Long Nozzle**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Inner Dia. (mm)</th>
<th>Outer Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LJ-150</td>
<td>2.5</td>
<td>5</td>
<td>150</td>
<td>10</td>
<td>141137</td>
</tr>
<tr>
<td>LJ-200</td>
<td>2.5</td>
<td>5</td>
<td>200</td>
<td>10</td>
<td>141138</td>
</tr>
<tr>
<td>LJ-300</td>
<td>2.5</td>
<td>5</td>
<td>300</td>
<td>10</td>
<td>141139</td>
</tr>
<tr>
<td>LJ-500</td>
<td>2.5</td>
<td>5</td>
<td>500</td>
<td>10</td>
<td>141140</td>
</tr>
</tbody>
</table>

**Slender Nozzle**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Inner Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-2-100</td>
<td>0.9</td>
<td>2</td>
<td>100</td>
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</tbody>
</table>

**Flexible Nozzle Shaft**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Inner Dia. (mm)</th>
<th>Outer Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF-150</td>
<td>2.3</td>
<td>7</td>
<td>150</td>
<td>10</td>
<td>141143</td>
</tr>
<tr>
<td>LF-200</td>
<td>2.3</td>
<td>7</td>
<td>200</td>
<td>10</td>
<td>141144</td>
</tr>
<tr>
<td>LF-300</td>
<td>2.3</td>
<td>7</td>
<td>300</td>
<td>10</td>
<td>141145</td>
</tr>
<tr>
<td>LF-700</td>
<td>2.3</td>
<td>7</td>
<td>700</td>
<td>10</td>
<td>141146</td>
</tr>
</tbody>
</table>

**Plastic Nozzle**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Brush Length (mm)</th>
<th>Outer Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-0</td>
<td>2.0</td>
<td>7.5</td>
<td>21</td>
<td>1</td>
<td>141132</td>
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</tbody>
</table>

**Interchangeable Brush**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Brush Length (mm)</th>
<th>Outer Dia. (mm)</th>
<th>Length (mm)</th>
<th>Inner Ct.</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB-50</td>
<td>60</td>
<td>35</td>
<td>68</td>
<td>5</td>
<td>141147</td>
</tr>
</tbody>
</table>

---

**One point**

Powerful brushing performance with a sturdy brush

**Brushing Nozzle**

Securely brush off oil-soaked chips and shavings which cannot be blown off by air.

Increased blowing power

**High Volume Nozzle**

Thrust force increased by 20% compared with the standard nozzle. Booster nozzle has a great wind pressure to powerfully blow off chips and shavings stuck in narrow gaps in chuck claws and cutter trench.
Air Dusters  Abundance of models supporting various applications

Standard Nozzle **AD-2** To blow off machined chips, moisture, and oil

- **No. AD-2 ON**
- **No. AD-2 ON-PB**

Long Nozzle **AD-2 100N/200N/300N** To blow off machined chips, moisture, and oil

- **No. AD-2 100N**
- **No. AD-2 100N-PB**
- 25°Long Nozzle **AD-2 100A** 25°bendable tip to improve workability

- **No. AD-2 200N/300N**
- **No. AD-2 100A**

Safety Bypass Nozzle **AD-2 0S** To blow off safely and quietly in a wide area

- **No. AD-2 0S**

Safety Bypass Long Nozzle **AD-2 100S** To blow off safely and quietly in a wide area

- **No. AD-2 100S**

Large finger throttle lever for less fatigue to control the air volume. The ergonomically designed handle enables outstanding operability. Dust removal and drying of sheet metal, coated materials, automotive parts, molds, metal working, etc.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nozzle Type</th>
<th>Nozzle</th>
<th>Air Consumption (L/min)</th>
<th>Dwell Length (m)</th>
<th>Weight (g)</th>
<th>Outer Ctn.</th>
<th>Card/Box Size (m)</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-2 ON</td>
<td>Standard Nozzle</td>
<td>0</td>
<td>135</td>
<td>145</td>
<td>122</td>
<td>10</td>
<td>152×232</td>
<td>141111</td>
</tr>
<tr>
<td>AD-2 ON-PB</td>
<td>Standard Nozzle(with plug)</td>
<td>0</td>
<td>135</td>
<td>155</td>
<td>146</td>
<td>10</td>
<td>152×232</td>
<td>141151</td>
</tr>
<tr>
<td>AD-2 100N</td>
<td>Long Nozzle</td>
<td>100</td>
<td>135</td>
<td>242</td>
<td>131</td>
<td>10</td>
<td>182×232</td>
<td>141112</td>
</tr>
<tr>
<td>AD-2 100N-PB</td>
<td>Long Nozzle(with plug)</td>
<td>100</td>
<td>135</td>
<td>252</td>
<td>157</td>
<td>10</td>
<td>182×232</td>
<td>141152</td>
</tr>
<tr>
<td>AD-2 200N</td>
<td>Long Nozzle</td>
<td>200</td>
<td>135</td>
<td>342</td>
<td>141</td>
<td>1</td>
<td>in paper box 140×445</td>
<td>141113</td>
</tr>
<tr>
<td>AD-2 300N</td>
<td>Long Nozzle</td>
<td>300</td>
<td>135</td>
<td>442</td>
<td>150</td>
<td>1</td>
<td>in paper box 140×455</td>
<td>141114</td>
</tr>
<tr>
<td>AD-2 100A</td>
<td>25° Long Nozzle</td>
<td>100</td>
<td>135</td>
<td>242</td>
<td>131</td>
<td>10</td>
<td>182×232</td>
<td>141115</td>
</tr>
<tr>
<td>AD-2 0S</td>
<td>Safety Bypass nozzle</td>
<td>0</td>
<td>105</td>
<td>155,5</td>
<td>131</td>
<td>10</td>
<td>152×232</td>
<td>141121</td>
</tr>
<tr>
<td>AD-2 100S</td>
<td>Safety Bypass long nozzle</td>
<td>100</td>
<td>105</td>
<td>239,5</td>
<td>151</td>
<td>10</td>
<td>182×232</td>
<td>141122</td>
</tr>
</tbody>
</table>

*Pressure source: compressed air  *Max. working pressure: 0.97MPa  *Working temperature range: -40°C(-40°F) - 120°C(248°F)  *Air inlet screw diameter: M1/4
*Working air hose ID: ø4mm and more  *Air pressure when air consumption is measured: 0.49MPa  *Pre-packed(200N, 300N in paper box)

*Nozzle can not be replaced.
Rubber Nozzle **AD-2 OR** Dust blow off, not making scratches on a part

![Nozzle with soft rubber tip.](image)

Rubber Long Nozzle **AD-2 100R** Dust blow off, not making scratches on a part

High Volume Nozzle **AD-2 0M** When more air volume is required in spite of low air pressure

![Air flow booster type.](image)

Chip Shield Long Nozzle **AD-2 100P** Plastic plate prevents dust and particles from blowing back and scattering

![Ideal for blowing out dust from a narrow hole or deep place.](image)

Air Screen Nozzle **AD-2 0C** Air curtain prevents dust and particles from blowing back and scattering

![Air curtain shuts out the spreading of oil, moisture and cutting dust.](image)

Large finger throttle lever for less fatigue to control the air volume. The ergonomically designed handle enables outstanding operability. Dust removal and drying of sheet metal, coated materials, automotive parts, molds, metal working.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nozzle Shape</th>
<th>Nozzle</th>
<th>Air Consumption (L/min)</th>
<th>Max (m)</th>
<th>Weight (g)</th>
<th>Outer Ctn.</th>
<th>Card/ Box Size (mm)</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-2 OR</td>
<td>Rubber Nozzle</td>
<td>0 2.1</td>
<td>115</td>
<td>155.5</td>
<td>123</td>
<td>10</td>
<td>152×232</td>
<td>141116</td>
</tr>
<tr>
<td>AD-2 100R</td>
<td>Rubber Long Nozzle</td>
<td>100 2.1</td>
<td>115</td>
<td>227</td>
<td>147</td>
<td>10</td>
<td>182×232</td>
<td>141117</td>
</tr>
<tr>
<td>AD-2 0M</td>
<td>High Volume Nozzle</td>
<td>0 10</td>
<td>185</td>
<td>160</td>
<td>126</td>
<td>10</td>
<td>152×232</td>
<td>141118</td>
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<tr>
<td>AD-2 100P</td>
<td>Chip Shield Long Nozzle</td>
<td>100 2.1</td>
<td>135</td>
<td>242</td>
<td>157</td>
<td>10</td>
<td>182×232</td>
<td>141120</td>
</tr>
<tr>
<td>AD-2 0C</td>
<td>Air Screen Nozzle</td>
<td>0 2.8</td>
<td>260</td>
<td>145</td>
<td>127</td>
<td>10</td>
<td>152×232</td>
<td>141119</td>
</tr>
</tbody>
</table>

- Power source: compressed air
- Max. working pressure: 0.97MPa
- Working temperature range: 0-60°C(32-140°F)
- Air inlet screw diameter: Rc 1/4
- Working air hose 1.5m, 6mm and more
- Air pressure when air consumption is measured: 0.49MPa
- Nozzle can not be replaced.

**VESEL**

*Abundance of models supporting various applications*  
*Air Dusters*