









Air Tools

VESSEL considers that the tools used during work must not only be convenient, but also people friendly.

VESSEL's philosophy of tools approaches air tools based on this concept, and its products are designed to thoroughly satisfy people from the aspects of performance, durability, and safety.

3	5	6.35	8	8	9.5	12.7	19	25.4	
		114							 Air Screwdrivers Oil Xtra Series
115		115							 Air Screwdrivers Clutch Type
		116~117	117						 Air Screwdrivers Impact Type
	118~119	118~119							 Air Screwdrivers Torque Control
						122		122	 Air Impact Wrenches Super Light V-Hammer
							123	123	 Air Impact Wrenches Lightweight F-Hammer
					124~125	124	125	125	 Air Impact Wrenches Single Hammer Air Ratchet Wrench
				126	126~127	126~127	126~127	127	 Air Impact Wrenches Double Hammer Torque Control Air Impact Wrenches



114

115

116

118

120

123

124

126

Air Belt Sanders
Air Grinders

Air Micro Grinders



Air Drills

Air Saws
Air ScrapersAir Nippers
For Resin Gate

Heat Air Nippers

Air Nippers
For Cutting and CrimpingAir Dusters
Air Couplings
Air Tool Supplies

128

132

135

137

140

148

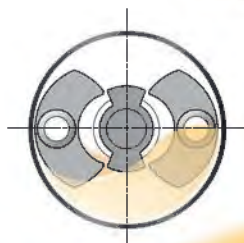
152

160

CONTENTS

Air Screwdrivers

Reduced noise at installation sites!
Low noise, low vibration specifications.
The "OIL Xtra" series changes vibration noise to a soft sound by circulating oil in the impact section of the unit.



Oil Xtra Series



Oil Circulating System



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.



oil Xtra





CE Approved
VESSEL's Oil Xtra series is manufactured in accordance with European Standards (EN792), and labeled in accordance with the basic rules of EN ISO vibration and noise standards.

 Small screw	 Phillips	Applicable Models
M1.6	0	H2
M1.7	0	H2
M2	0 (Old JIS 1)	H2, S4TFG, S4TG
M2.2	1	H2
M2.3	0 (Old JIS 1)	H2, S4TFG, S4TFS, S4TG, S4TS
M2.5	1	S4TFG, S4TFS, S4TG, S4TS, S5TFG, S5TG
M2.6	0 (Old JIS 1)	H4RC, S4TFS, S4TS, S5TFG, S5TG
M3	1 (Old JIS 2)	H4R, H4PR, PH4, H4RC, S4TFS, S4TFR, S4TS, S4TR, S5TFG, S5TFB, S5TG, S5TB
M3.5	2	H4R, H4PR, PH4, H4RC, H5RC, S4TR, S4TFR, S5TFB, S5TB
M4	2	H4R, H4PR, PH4, H5R, H5P, PH5, H5RC, S4.5DR, P4.5DR, PLR, PLP, PLZ, PLRC, P5LS, S4TFR, S4TR, S5TFB, S5TFR, S5TB, S5TR, PLXD, S4.5XD, P4.5XD
M4.5	2	H5R, H5P, PH5, H5RC, S4.5DR, P4.5DR, PLR, PLP, PLZ, PLRC, P5LS, S5TFR, S5TR, S5TS, PLXD, S4.5XD, P4.5XD
M5	2	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, PLRC, P5LS, P6LSIII, P6HS, PLHII, P6OXD, S6MLR, S6HS, S6CD, S5TFR, S5TR, S5TS, PLXD, S4.5XD, P4.5XD, P6EXD, S6LXD, P6LXD
M6	3	P6LSIII, P6HS, PLHII, S6MLR, S6HS, S5TS, S6.5D, P6.5D, S6CD, P6EXD, S6LXD, P6LXD, P6OXD
M8	4 (Old JIS 3)	S6.5D, P6.5D, P8D, P10SII, P60XW
M10	4	P8D, P10SII

 Wood screw	 Phillips	Applicable Models
1.8	—	H4R, H4PR, PH4
2.1	1	H4R, H4PR, PH4
2.4	1	H4R, H4PR, PH4
2.7	1	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, S4.5XD, P4.5XD
3.1	2	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, S4.5XD, P4.5XD
3.5	2	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6CD, PLXD, S4.5XD, P4.5XD, P6EXD, S6LXD, P6LXD, P6OXD
3.8	2	PLHII, P6LSIII, S6MLR, S6HS, P6HS, S6CD, S6.5D, P6.5D, PLXD, P6EXD, S6LXD, P6LXD, P6OXD
4.1	2	PLHII, P6LSIII, S6MLR, S6HS, P6HS, S6CD, S6.5D, P6.5D, P6EXD, S6LXD, P6LXD, P6OXD
4.5	2	S6.5D, P6.5D, P6EXD, P6OXD, P8D, P10SII
4.8	2	P8D, P10SII, P6EXD
5.1	3	P8D, P10SII
5.5	3	P8D, P10SII
5.8	3	P8D, P10SII
6.2	3	P8D, P10SII

 Tapping screw	 Phillips	Applicable Models
3.5	2	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, S4.5XD, P4.5XD
4	2	H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6.5D, P6.5D, S6CD, PLXD, S4.5XD, P4.5XD, P6EXD, S6LXD, P6LXD, P6OXD
4.2	2	P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6.5D, P6.5D, S6CD, PLXD, P6EXD, S6LXD, P6LXD, P6OXD
4.5	2	P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6.5D, P6.5D, S6CD, P6EXD, S6LXD, P6LXD, P6OXD
4.8	2	P6.5D, P6OXD
5	2	P6.5D, P8D, P10SII, P6OXD
5.5	3	P8D, P10SII
6	3	P8D, P10SII

 Hexagonal recess bolt	 Hexagonal head bolt	H (mm)	H (mm)	Applicable Models
M2.5	2.0	5.0		H4RC
M3	2.5	5.5		H4R, H4PR, PH4, H4RC
M3.5	—	6.0		H4R, H4PR, PH4, H4RC, H5RC
M4	3.0	7.0		H4R, H4PR, PH4, H5R, H5P, PH5, H5RC, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, PLRC, PLXD, S4.5XD, P4.5XD
M5	4.0	8.0		H5R, H5P, PH5, S4.5DR, P4.5DR, PLR, PLP, PLZ, P5LS, P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6CD, PLRC, PLXD, S4.5XD, P4.5XD, P6EXD, S6LXD, P6LXD, P6OXD
M6	5.0	10.0		P6LSIII, P6HS, PLHII, S6MLR, S6HS, S6.5D, P6.5D, S6CD, P6EXD, S6LXD, P6LXD, P6OXD
M7	—	11.0		S6.5D, P6.5D, P6OXD
M8	6.0	13.0		S6.5D, P6.5D, P8D, P10SII, P6OXD
		16.0		
M10	8.0	17.0		P8D, P10SII
		14.0		

Air Screwdrivers Oil Xtra Series



Standard screw >> 4~5mm



No. **GT-S4.5XD** LS1

- Bit-sleeve retainer
- Noise reducer

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



No. **GT-P4.5XD** LS5

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



No. **GT-PLXD** LS1

- Bit-sleeve retainer
- Noise reducer

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



Standard screw >> 5~6mm



No. **GT-P6EXD** LS1

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.

Air Impact Screwdriver
for House Building

No. **GT-P6EXD (A)**



Consisting of:

- GT-P6EXD ...1 pc.
- Magnetic double end bit
M-A14 $\Phi 2 \times 85H$...5 pcs.
 $\Phi 2 \times 110H$...3 pcs.
 $\Phi 2 \times 150H$...2 pcs.
- Bit holder ...1 pc.
- Plug BPB-2 ...1 pc.
- Impact parts oil: VG-32 (Green) ...1 pc.
- Rotary parts oil: VG-10 (White) ...1 pc.
- Carrying case (355×355×100mm)



No. **GT-S6LXD** LS1

- Bit-sleeve retainer
- Noise reducer

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



Standard screw >> 6~8mm



No. **GT-P6LXD** LS1

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



No. **GT-P60XD** LS1

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust

Accessories

Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.

Model No.	Capacity (mm)				No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
	Standard Screw	Tapping Screw	Wood Screw	Bolt						Bit	Plug
GT-S4.5XD	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	14,500	0.2	G 1/4	188	585	A14 $\Phi 2 \times 65G$	BPN-2F
GT-P4.5XD	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	14,000	0.2	Rc 1/4	170	735	A14 $\Phi 2 \times 65G$	BPB-2
GT-PLXD	4.0~5.0	3.8~4.2	3.3~3.8	4.0~5.0	11,000	0.35	G 1/4	198.5	670	A14 $\Phi 2 \times 65G$	BPN-2F
GT-S6LXD	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	12,000	0.4	G 1/4	212	815	A14 $\Phi 2 \times 65G$	BPN-2F
GT-P6LXD	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	12,500	0.45	Rc 1/4	184	876	A14 $\Phi 2 \times 65G$	BPB-2
GT-P6EXD	5.0~6.0	4.0~4.5	3.6~4.8	5.0~6.0	9,300	0.55	Rc 1/4	155	1,085	A14 $\Phi 2 \times 65G$	BPB-2
GT-P60XD	6.0~8.0	4.0~5.0	3.8~4.5	6.0~8.0	7,500	0.38	Rc 1/4	176	1,130	A14 $\Phi 2 \times 65G/\Phi 3 \times 65E$	BPB-2

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

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

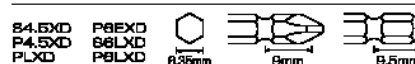
Bit installation anvil application

Unless otherwise, following bit specification should be standardized.

Standard type in Japan



*Option: Following retainer anvil is available.



Air Screwdrivers Clutch Type

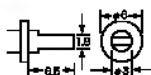


Standard screw >> **1.6~2.3mm**



No. **GT-H2** ③

- Guide spring retainer
- Push startup type
- Rear exhaust

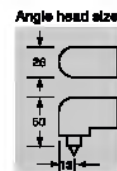


Standard screw >> **2.6~3.5mm**



No. **GT-H4RC** ⑥.35

- Ball spring retainer
- Noise reducer



Standard screw >> **3~4mm**



No. **GT-H4R** ⑥.35

- Ball spring retainer
- Lever push starting
- Noise reducer



No. **GT-H4PR** ⑥.35

- Ball spring retainer
- Push startup type
- Rear exhaust



No. **GT-PH4** ⑥.35

- Ball spring retainer
- Lever push starting
- Noise reducer
- Rear exhaust

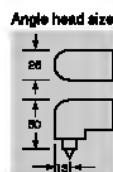


Standard screw >> **3.5~4.5mm**



No. **GT-H5RC** ⑥.35

- Ball spring retainer



Standard screw >> **4~5mm**



No. **GT-H5R** ⑥.35

- Ball spring retainer
- Lever push starting



No. **GT-H5P** ⑥.35

- Ball spring retainer
- Push startup type
- Rear exhaust



No. **GT-PH5** ⑥.35

- Ball spring retainer
- Lever push starting
- Noise reducer
- Rear exhaust

Model No.	Capacity (mm)				No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
	Standard Screw	Tapping Screw	Wood Screw	Bolt						Bit	Plug
GT-H2	1.6~2.3	—	—	—	3,200	0.16	G 1/4	164	267	A7 Ø0X36H/ Ø1X36H	BPN-2F
GT-H4R	3~4	—	1.8~2.4	3~4	1,500	0.2	G 1/4	190	590	A14 Ø2X65G	BPN-2F
GT-H4PR	3~4	—	1.8~2.4	3~4	1,500	0.19	G 1/4	213	610	A14 Ø2X65G	BPN-2F
GT-PH4	3~4	—	1.8~2.4	3~4	1,500	0.19	Rc 1/4	180	770	A14 Ø2X65G	BPB-2
GT-H4RC	2.6~3.5	—	—	2.6~3.5	1,500	0.2	G 1/4	216	735	B39 Ø2X23H	BPN-2F
GT-H5R	4~5	3.5~4	2.7~3.5	4~5	1,500	0.25	G 1/4	225	880	A14 Ø2X65G	BPN-2F
GT-H5P	4~5	3.5~4	2.7~3.5	4~5	1,500	0.25	G 1/4	235	880	A14 Ø2X65G	BPN-2F
GT-PH5	4~5	3.5~4	2.7~3.5	4~5	1,500	0.25	Rc 1/4	200	1,070	A14 Ø2X65G	BPB-2
GT-H5RC	3.5~4.5	—	—	3.5~4.5	1,500	0.25	G 1/4	248	1,047	B39 Ø2X23H	BPN-2F

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

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

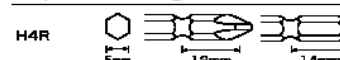
Bit installation anvil application

Unless otherwise, following bit specification should be standardized.

Standard type in Japan



*Option: Following retainer anvil is available.



Air Screwdrivers Impact Type



Standard screw >> 4~5mm



No. **GT-S4.5DR** 4.55

- Bit-sleeve retainer
- Noise reducer



No. **GT-PLR** 4.55

- Ball spring retainer



No. **GT-PLZ** 4.55

- Bit-sleeve retainer
- Noise reducer



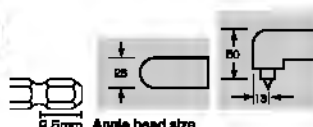
No. **GT-PLP** 4.55

- Ball spring retainer
- Push startup type
- Rear exhaust



No. **GT-PLRC** 4.55

- Ball spring retainer



No. **GT-P4.5DR** 4.55

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust



No. **GT-P5LS** 4.55

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust

Model No.	Capacity (mm)				No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
	Standard Screw	Tapping Screw	Wood Screw	Bolt						Bit	Plug
GT-S4.5DR	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	14,000	0.2	G 1/4	180	585	A14 Ø2×65G	BPN-2F
GT-P4.5DR	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	14,000	0.2	Rc 1/4	160	715	A14 Ø2×65G	BPN-2
GT-PLP	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	9,000	0.2	G 1/4	197	750	A14 Ø2×65G	BPN-2F
GT-PLR	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	9,000	0.2	G 1/4	187	830	A14 Ø2×65G	BPN-2F
GT-PLRC	4.0~5.0	—	—	4.0~5.0	9,000	0.2	G 1/4	228	1,100	B39 Ø2×23H	BPN-2F
GT-PLZ	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	9,000	0.2	G 1/4	205	950	A14 Ø2×65G	BPN-2F
GT-P5LS	4.0~5.0	3.5~4.0	2.7~3.5	4.0~5.0	9,000	0.2	Rc 1/4	165	980	A14 Ø2×65G	BPN-2 Air regulator

• Air pressure: 0.6 MPa • Air hose diameter: 6.35 mm • 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, following bit specification should be standardized.

Standard type in Japan



※Option: Following retainer anvil is available.





Standard screw >> 5~6mm

No. GT-P6LSⅢ 6.35

- Bit-sleeve retainer (Pull type)
- Noise reducer
- Rear exhaust

QP

Anvil (Bit sleeve, push type)
Rubber grip



All optional
products come with
a rubber grip.

No. GT-P6HS 6.35

- Bit-sleeve retainer
- Noise reducer
- Rear exhaust



No. GT-S6CD 6.35

- Ball spring retainer



Angle head size



No. GT-PLHⅡ 6.35

- Bit-sleeve retainer (Pull type)

QP

Anvil (Bit sleeve, push type)



No. GT-S6MLR 6.35

- Bit-sleeve retainer (Pull type)



No. GT-S6HS 6.35

- Bit-sleeve retainer



Standard screw >> 6~8mm



No. GT-S6.5D 6.35

- Bit-sleeve retainer



No. GT-P6.5D 6.35

- Bit-sleeve retainer



Standard screw >> 8~10mm



No. GT-P8D 8

- Bit-sleeve retainer



No. GT-P10SⅡ 8

- Bit-sleeve retainer (Pull type)

Model No.	Capacity (mm)				No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
	Standard Screw	Tapping Screw	Wood Screw	Bolt						Bit	Plug
GT-PLHⅡ	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	8,500	0.3	Rc 1/4	213	925	A14 Φ2×65G	BPB-2
GT-P6LSⅢ	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	9,000	0.3	Rc 1/4	177	955	A14 Φ2×65G	BPB-2
GT-S6MLR	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	8,500	0.25	G 1/4	215	1,120	A14 Φ2×65G	BPN-2F
GT-S6HS	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	10,000	0.3	G 1/4	220	1,100	A14 Φ2×65G	BPN-2F
GT-P6HS	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	10,000	0.3	Rc 1/4	180	1,170	A14 Φ2×65G	BPB-2
GT-S6CD	5.0~6.0	4.0~4.5	3.6~4.1	5.0~6.0	7,300	0.35	Rc 1/4	255	1,870	B39 Φ2×23H	BPB-2
GT-S6.5D	6.0~8.0	4.0~4.5	3.8~4.5	6.0~8.0	7,500	0.35	Rc 1/4	217	1,300	A14 Φ2×65E/Φ3×65E	BPB-2
GT-P6.5D	6.0~8.0	4.0~5.0	3.8~4.5	6.0~8.0	8,500	0.38	Rc 1/4	152	1,450	A14 Φ2×65E/Φ3×65E	BPB-2
GT-P8D	8.0~10.0	5.0~6.0	4.5~6.2	8.0~10.0	7,500	0.4	Rc 1/4	172	1,930	A15 Φ2×65G/Φ3×65E	BPB-2
GT-P10SⅡ	8.0~10.0	5.0~6.0	4.5~6.2	8.0~10.0	6,200	0.39	Rc 1/4	208	2,460	A15 Φ2×65G/Φ3×65E	BPB-2

• Air pressure: 0.6 MPa • Air hose diameter: 8.35 mm • Overall length and Weight---Accessories and hanger parts not included.

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

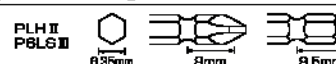
Bit Installation anvil application

Unless otherwise, following bit specification
should be standardized.

Standard type In Japan



※Option: Following retainer anvil is available.



Air Screwdrivers Torque Control

Torque Control Air Screwdriver, Reduced Type



Standard screw >> **2~2.5mm**



No. **GT-S4TFG** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring



No. **GT-S4TG** 1.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring
Hose Coupling (1/8")



Standard screw >> **2.2~3mm**



No. **GT-S4TFS** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring



No. **GT-S4TS** 1.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring
Hose Coupling (1/8")



Standard screw >> **3~4mm**



No. **GT-S4TFR** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring



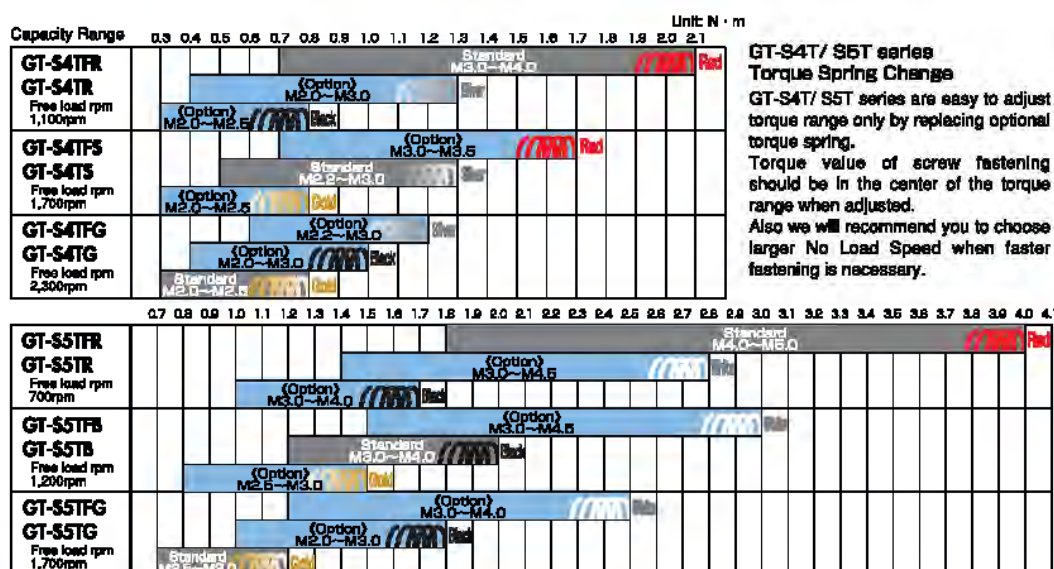
No. **GT-S4TR** 1.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring
Hose Coupling (1/8")

Model No.	Capacity Standard Screw (mm)	Torque Range (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
								Bit	Plug
GT-S4TFG	2.0~2.5	0.3~0.8	2,300	0.28	Rc 1/8	215	565	B36 Ø2×70H	—
GT-S4TFS	2.2~3.0	0.5~1.3	1,700	0.28	Rc 1/8	215	555	B36 Ø2×70H	—
GT-S4TFR	3.0~4.0	0.7~2.1	1,100	0.28	Rc 1/8	215	565	B36 Ø2×70H	—
GT-S4TG	2.0~2.5	0.3~0.8	2,300	0.28	Rc 1/4	215	650	A14 Ø2×65G	BPB-2
GT-S4TS	2.2~3.0	0.5~1.3	1,700	0.28	Rc 1/4	215	640	A14 Ø2×65G	BPB-2
GT-S4TR	3.0~4.0	0.7~2.1	1,100	0.28	Rc 1/4	215	650	A14 Ø2×65G	BPB-2

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



Torque Control Air Screwdriver, Reduced Type

Standard screw >> **2.5~3mm**No. **GT-S5TFG** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

No. **GT-S5TG** 6.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

Standard screw >> **3~4mm**No. **GT-S5TFB** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

No. **GT-S5TB** 6.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

Standard screw >> **4~5mm**No. **GT-S5TFR** 5

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

No. **GT-S5TR** 6.35

- Ball spring retainer
- Push startup type
- Noise reducer
- Rear exhaust

[OP] Torque Spring

Torque Control Air Screwdriver, Impact Type

Standard screw >> **4.5~6mm**No. **GT-S5TS** 6.35

• Bit-sleeve retainer (Pull type)



Model No.	Capacity Standard Screw (mm)	Torque Range (N·m)	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories		
								Bit	Plug	L- wrench
GT-S5TFG	2.5~3.0	0.7~1.2	1,700	0.35	Rc 1/8	243	860	B36 Φ2×70H	—	—
GT-S5TFB	3.0~4.0	1.2~2.0	1,200	0.35	Rc 1/8	243	830	B36 Φ2×70H	—	—
GT-S5TFR	4.0~5.0	1.8~4.0	700	0.35	Rc 1/8	243	850	B36 Φ2×70H	—	—
GT-S5TG	2.5~3.0	0.7~1.2	1,700	0.35	Rc 1/4	260	920	A14 Φ2×65G	BPB-2	—
GT-S5TB	3.0~4.0	1.2~2.0	1,200	0.35	Rc 1/4	260	910	A14 Φ2×65G	BPB-2	—
GT-S5TR	4.0~5.0	1.8~4.0	700	0.35	Rc 1/4	260	930	A14 Φ2×65G	BPB-2	—
GT-S5TS	4.5~6.0	3.9~9.8	6,500	0.25	Rc 1/4	292	1,310	A14 Φ2×65G	BPB-2	H3

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

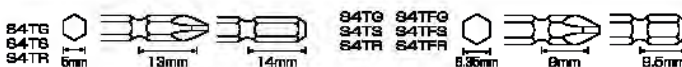
• Capacity is listed as instant reference and depends on operation conditions.

**Bit Installation
anvil application**
Unless otherwise,
following bit specification
should be standardized.

Standard type in Japan



※Option: Following retainer anvil is available.



Air Impact Wrenches

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.

Air Impact Wrench Light F-Hammer

New Ergonomic Handles

These units boast a tall handle that has been designed so that the units naturally position themselves horizontally when held with both hands. Workers will actually feel the reduction in leg and lower back fatigue during long work hours.



The air inlet is attached horizontally to the unit, the air hose will not get in the way of operations.



The load on the wrists has been reduced by positioning the grip near the hammer mechanism, where the strike recoil occurs.

Air Impact Wrenches Model Selection Chart

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

JISB1051 Strength Category																		
3.6			4.6		4.8		5.6		5.8		6.8		8.8		10.9		12.9	
Screw diameter	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models	Torque (N·m)	Applicable Models
M8	8.7	800	11.0	800	15.6	800	13.7	800 1000	19.2	800 1000	22.0	800 1000	29.3	1000	43.0	1000 1400	50.4	1000 1400
M10	17.1	800 1000	21.6	1000	30.6	1000	27.0	1000	37.8	1000 1400	43.2	1000 1400	57.6	1000 1400	84.7	1000 1400	99.1	1400 1600
M12	29.4	1000 1400	37.2	1000 1400	52.7	1400 1600	46.5	1400 1600	65.1	1400 1600	74.4	1400 1600	99.1	1400 1600	145.6	1600 2000	170.4	1600 2000
M14	46.9	1400	59.3	1400 1600	84.0	1600 2000	74.1	1400 1600	103.8	1400 1600	118.6	1600	158.1	1600 2000	232.2	2000	271.7	2000
M16	73.0	1600	92.2	1600	130.6	1600 2000	115.3	1600 2000	161.4	1600 2000	184.4	1600 2000	245.9	2000 2500	361.2	2000 2500	422.7	2000 2500
M18	100.8	1600 2000	127.3	1600 2000	180.4	2000	159.2	2000	222.8	2000	254.7	2000 2500	350.2	2000 2500	498.8	2500	583.6	2500
M20	142.7	2000	180.3	2000	255.4	2000	225.4	2000	315.5	2000 2500	360.6	2000 2500	495.9	2500	706.2	2500	826.4	2500 3800
M22	196.6	2000	284.4	2500	351.9	2500	310.5	2500	434.7	2500	496.7	2500 3800	683.0	2500 3800	972.8	3800	1138.4	3800 4200 4800
M24	245.9	3800	310.7	3800	440.1	3800	388.3	3800	543.7	3800	621.3	3800	854.3	3800	1216.8	3800 4200 4800	1423.9	3800 4200 4800
M27	365.0	3800	461.0	3800	653.1	3800	576.2	3800	806.7	3800	922.0	3800	1267.7	3800 4200	1805.6	S55R	2112.9	S55R
M30	494.6	3800	624.8	3800	885.2	3800	781.0	3800	1093.4	3800 4200 4800	1249.6	3800 4200 4800	1718.2	4200 4800 S55R	2447.2	S55R	2863.7	
M33	666.7	3800	842.1	3800	1193.0	3800	1052.6	3800	1473.7	4200 4800	1684.2	S55R	2315.8	S55R	3298.2		3859.6	
M36	862.5	3800	1089.5	4200 4800	1543.4	4200 4800 S55R	1767.8	4200 4800	1906.6	S55R	2178.9	S55R	2996.0		4267.1		4993.4	
M39	1119.6	4200 4800	1414.2	4200 4800	2003.5	S55R	1767.8	S55R	2474.9		2828.5		3889.2		5539.1		6482.0	
M42	1385.0	4200 4800	1749.4	S55R	2478.3	S55R	2186.8	S55R	3061.5		3498.8		4810.9		6851.9		8018.2	
M45	1733.0	S55R	2189.0	S55R	3101.1		2736.3		3830.8		4378.0		6019.8		8573.6		10033.0	
M48	2092.1	S55R	2642.6		3743.7		3303.3		4624.6		5285.3		7267.3		10350.3		12112.1	
M52	2692.9	S55R	3401.6		4818.9		4252.0		5953.8		6803.2		9354.4		13322.9		15590.6	

800 : GT-P6II / S650 / S65W / P65W / S70WK / P60XW

1000 : GT-P8II / P80W / W100PII

1400 : GT-1400P / P12

1600 : GT-1600VPX / 1600VPH(L) / 1600VP(L) / P14J(L) / 1600P(L) / P14W/ 1700BX

2000 : GT-2000PF / P18J(L) / 2000P(L) / S20RW

2500 : GT-2500LF / 2500PF / S220W

3800 : GT-3900VL / 3900VP/ 3900V / 3800LX / S32RW/ P32J/ 3800PX

4200 : GT-4200LF / 4200PF / 4200L / 4200

4800 : GT-4800VL S55R: GT-S55R

Air Impact Wrenches Super Light V-Hammer



Machine Bolt Dia. >> **16mm**



No. GT-1600VPX 12.7

- Retainer ring
- Rear exhaust



No. GT-1600VP 12.7

- Retainer ring
- Rear exhaust



No. GT-1600VPL 12.7

- Retainer ring
- Rear exhaust



No. GT-1600VPH 12.7

- Retainer ring
- Rear exhaust
- Oil-less type



No. GT-1600VPHL 12.7

- Retainer ring
- Rear exhaust
- Oil-less type

*Oil-less type: Can be used without lubrication.
Does not generate oil mist.

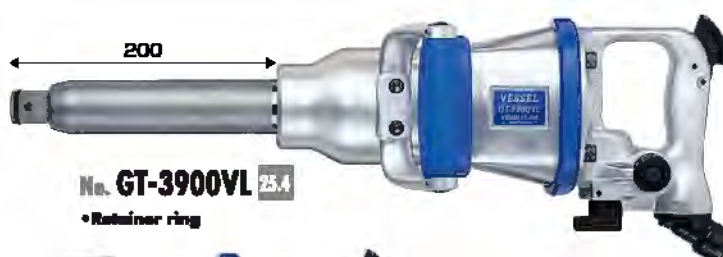


Machine Bolt Dia. >> **39mm**



No. GT-3900VP 25.4

- Retainer ring
- Rear exhaust



No. GT-3900VL 25.4

- Retainer ring



No. GT-3900V 25.4

- Retainer ring



Machine Bolt Dia. >> **48mm**



No. GT-4800VL 25.4

- Pin-lock

Model No.	Capacity Ordinary		Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories	
	Bolt Dia. (mm)									Plug	L- wrench
GT-1600VPX	16		49~294.2	8,200	0.4	Rc1/4	6.35	169	1.48	BPB-2	H4
GT-1600VP	16		49~304.0	8,500	0.4	Rc1/4	6.35	171	1.91	BPB-2	H4
GT-1600VPL	16		49~304.0	8,500	0.4	Rc1/4	6.35	199	1.95	BPB-2	H4
GT-1600VPH	16		49~284.3	8,200	0.4	Rc1/4	6.35	174.5	1.75	BPB-2	H4
GT-1600VPHL	16		49~284.3	8,200	0.4	Rc1/4	6.35	202.5	1.8	BPB-2	H4
GT-3900V	39		490~1716	4,200	0.7	Rc1/2	12.7	358.6	8.2	BPB-4	H5,H6
GT-3900VP	39		490~1716	4,200	0.7	Rc3/8	12.7	268	7.95	BPB-3	H5,H6
GT-3900VL	39		490~1716	4,200	0.7	Rc1/2	12.7	524	8.95	BPB-4	H5,H6
GT-4800VL	48		343~2010	3,200	1.0	Rc1/2	12.7	559	12.8	1/2"X1/2" (hose nipple)	H6

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

Air Impact Wrenches Lightweight F-Hammer

Machine Bolt Dia. >> **20mm**



No. GT-2000PF 19

- Retainer ring
- Rear exhaust
- Noise reducer

Machine Bolt Dia. >> **25mm**



No. GT-2500PF 19

- Retainer ring
- Rear exhaust
- Noise reducer



No. GT-2500LF 19

- Retainer ring

Machine Bolt Dia. >> **39mm**



No. GT-3800LX 25.4 Patented

- Retainer ring
- Noise reducer



Tilt-angled handle and its body balance reduces burden on the user.

Outside/ Inside throttle lever types are available.



No. GT-3800PX 25.4

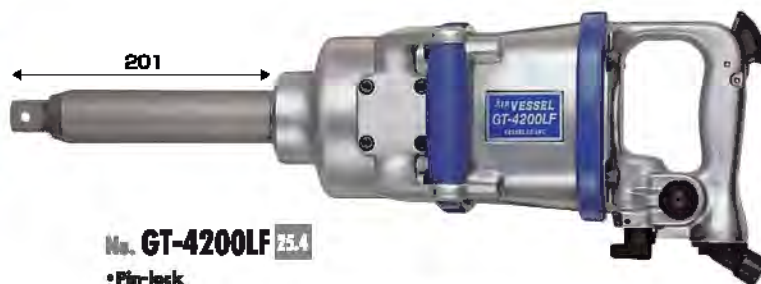
- Retainer ring
- Rear exhaust
- Noise reducer

Machine Bolt Dia. >> **42mm**



No. GT-4200PF 25.4

- Pin-lock



No. GT-4200LF 25.4

- Pin-lock



Machine Bolt Dia. >> **52mm**

No. GT-S55R 25.4

- Pin-lock
- Noise reducer



Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories	
GT-2000PF	20	98~460.9	5,500	0.43	Rc1/4	9.5	210	3.5	Plug	L-wrench
GT-2500PF	25	147~961	3,200	0.6	Rc3/8	9.5	242	6.2	BPB-2	H5
GT-2500LF	25	245~961	4,400	0.7	Rc3/8	9.5	478	7.3	BPB-3	H5, H6
GT-3800LX	39	490~1607	4,100	0.7	Rc1/2	12.7	520	10.8	BPB-4	H5
GT-3800PX	39	490~1607	4,100	0.7	Rc1/2	12.7	270	8.9	BPB-4	H5
GT-4200PF	42	343~1863	2,500	1.0	Rc3/8	12.7	297	11.5	BPB-3	H6
GT-4200LF	42	343~1863	3,200	1.0	Rc1/2	12.7	547	13.3	BPB-4	H6
GT-S55R	52	343~2450	2,800	1.2	Rc1/2	12.7	610	17.0	1/2"X1/2" (hose nipple)	H6

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

Air Impact Wrenches Single Hammer



Machine Bolt Dia. >> **6~8mm**



No. **GT-S650** **9.5**

• Retainer ring



No. **GT-P6 II**

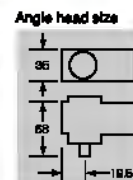
No. **GT-P6 II Z** **9.5**

• Retainer ring
• Noise reducer



No. **GT-S600C** **9.5**

• Pin-lock



Machine Bolt Dia. >> **8~10mm**



No. **GT-P8 II**

No. **GT-P8 II Z** **12.7**

• Retainer ring
• Noise reducer



No. **GT-P12**

No. **GT-P12Z** **12.7**

• Retainer ring
• Noise reducer



No. **GT-1400P** **12.7**

• Retainer ring



Machine Bolt Dia. >> **16mm**



No. **GT-P14J**

No. **GT-P14JZ** **12.7**

• Retainer ring
• Noise reducer



No. **GT-P14JL** **12.7**

• Retainer ring



No. **GT-1600P** **12.7**

• Retainer ring



No. **GT-1700BX** **12.7**

• Retainer ring
• Rear exhaust
• Noise reducer
• Twin hammer type



No. **GT-1600PL** **12.7**

• Retainer ring

Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories Plug L- wrench
GT-S650	6~8	49~121.6	7,500	0.35	Rc1/4	6.35	210	1.3	BPB-2 H4
GT-P6 II (Z)	6~8	49~121.6	8,500 (Z) 7,500	0.38	Rc1/4	6.35	146	1.43	BPB-2 H4
GT-S600C	6~8	25~47	7,300	0.35	Rc1/4	6.35	255	1.87	BPB-2 H4
GT-P8 II (Z)	8~10	49~259.8	7,500 (Z) 7,200	0.4	Rc1/4	6.35	166	1.89	BPB-2 H4
GT-P12 (Z)	12~14	49~294.1	7,500 (Z) 7,300	0.4	Rc1/4	6.35	185	2.3	BPB-2 H4
GT-1400P	12~14	49~294.1	7,000	0.35	Rc1/4	6.35	182	2.25	BPB-2 H4
GT-P14J (Z)	14~16	75~323.6	6,500 (Z) 6,300	0.42	Rc1/4	6.35	197	2.95	BPB-2 H5
GT-P14JL	14~16	75~323.6	6,500	0.42	Rc1/4	6.35	226	3.0	BPB-2 H5
GT-1600P	14~16	75~308.9	6,700	0.36	Rc1/4	6.35	196	2.7	BPB-2 H5
GT-1600PL	14~16	75~308.9	6,700	0.36	Rc1/4	6.35	224	2.8	BPB-2 H5
GT-1700BX	16	Forward 49~480/ Reverse 75~540	Forward 7,000/ Reverse 8,000	0.9	Rc1/4	6.35	192	2.2	BPB-2 -

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

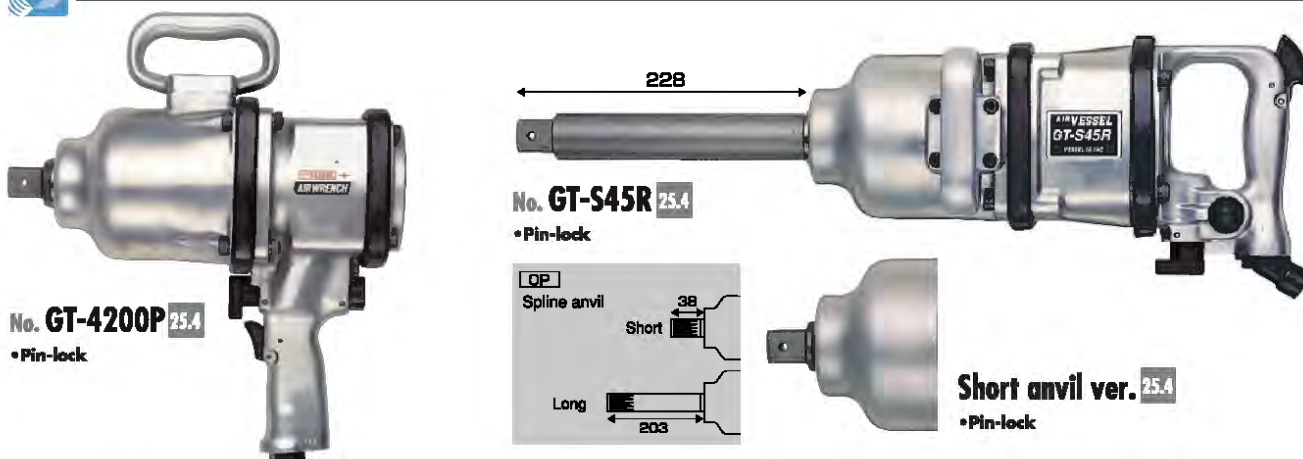
Air Impact Wrenches Single Hammer/ Air Ratchet Wrenches

Machine Bolt Dia. >> **20mm**

Machine Bolt Dia. >> **20mm**



Machine Bolt Dia. >> **42mm**



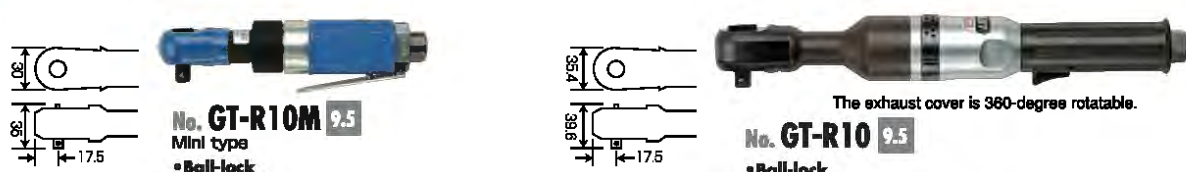
Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories	
									Plug	L- wrench
GT-P18J (Z)	16~20	98~470.7	5,000	0.52	Rc1/4	9.5	240	4.2	BPB-2	H5
GT-P18JL	16~20	98~441.3	(Z) 4,800	0.52	Rc1/4	9.5	353	4.7	BPB-2	H5
GT-2000P	16~20	98~470.7	5,000	0.45	Rc1/4	9.5	241	4.3	BPB-2	H5
GT-2000PL	16~20	98~441.3	5,000	0.45	Rc1/4	9.5	354	4.7	BPB-2	H5
GT-P32J	33	343~1569	3,700	0.8	Rc3/8	12.7	264	11.2	BPB-3	H6
GT-4200P	27~42	490~1863	2,500	1.0	Rc3/8	12.7	315	14.2	BPB-3	H6
GT-S45R	27~42	490~1863	3,200	1.0	Rc1/2	12.7	593	15.9	BPB-4	H6
GT-S45R (Short anvil Ver.)	27~42	490~1863	3,200	1.0	Rc1/2	12.7	403	14.9	BPB-4	H6

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

Air Ratchet Wrenches

This ratchet tightening system makes it possible to fine-tune the wrenching torque.

Machine Bolt Dia. >> **10mm**



Model No.	Capacity Ordinary Bolt Dia. (mm)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories
								Plug
GT-R10M	10	250	0.3	Rc1/4	6.35	170	500	BPB-2
GT-R10	10	160	0.4	Rc1/4	6.35	297	1,090	BPB-2

• Air pressure: 0.6 MPa • Overall length and Weight...Accessories and hanger parts not included.

Air Impact Wrenches Double Hammer



Machine Bolt Dia. >> **4~5mm**



No. **GT-PLRB 8**

• Pin-lock



Machine Bolt Dia. >> **5~6mm**



No. **GT-S6MLRB 9.5**

• Pin-lock



Machine Bolt Dia. >> **6~8mm**



No. **GT-P60XW 9.5**

• Pin-lock
• Rear exhaust
• Noise reducer

Accessories
Impact parts oil: VG-32 (Green) ...1 pc.
Rotary parts oil: VG-10 (White) ...1 pc.



Machine Bolt Dia. >> **6~8mm**



No. **GT-S65W 9.5**

• Pin-lock



No. **GT-P65W 9.5**

• Pin-lock



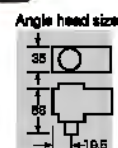
No. **GT-S70WK 9.5**

• Pin-lock
• Rear exhaust
• Noise reducer



No. **GT-S60CW 9.5**

• Pin-lock



Machine Bolt Dia. >> **8~10mm**



No. **GT-P80W 12.7**

• Pin-lock



Machine Bolt Dia. >> **10~12mm**



No. **GT-W100P II 12.7**

• Pin-lock



Machine Bolt Dia. >> **12~16mm**



No. **GT-P14W 12.7**

• Pin-lock



Machine Bolt Dia. >> **20mm**



No. **GT-S20RW 19**

• Pin-lock

Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories	
GT-PLRB	4~5	5~14	9,000	0.2	G1/4	6.35	180	0.83	Plug	L- wrench
GT-S6MLRB	5~6	10~39	8,500	0.25	G1/4	6.35	200	1.1	BPN-2F	-
GT-P60XW	6~8	49~116.8	7,500	0.38	Rc1/4	6.35	169.4	1.1	BPB-2	-
GT-P65W	6~8	49~121.6	8,500	0.38	Rc1/4	6.35	146	1.43	BPB-2	H4
GT-S65W	6~8	49~121.6	7,500	0.35	Rc1/4	6.35	210	1.3	BPB-2	H4
GT-S70WK	6~8	85~176.5	7,000	0.39	Rc1/4	6.35	231	1.3	BPB-2	H4
GT-S60CW	6~8	25~47	7,300	0.35	Rc1/4	6.35	255	1.87	BPB-2	H4
GT-P80W	8~10	49~259.8	7,500	0.4	Rc1/4	6.35	164	1.89	BPB-2	H4
GT-W100P II	10~12	49~323.6	6,200	0.39	Rc1/4	6.35	196	2.42	BPB-2	H4
GT-P14W	12~16	49~421.6	6,400	0.47	Rc1/4	9.5	200	3.2	BPB-2	H5
GT-S20RW	20	75~610	4,800	0.9	Rc3/8	9.5	300	5.4	3/8"X1/2" (hose nipple)	H5

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

Air Impact Wrenches Double Hammer/ Torque Control Torque Testers

Machine Bolt Dia. >> **22mm**No. **GT-S220W** 19

• Retainer ring

Machine Bolt Dia. >> **33mm**No. **GT-S32RW** 25.4

• Pin-lock



Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories
GT-S220W	22	147~843.4	4,400	0.7	Rc3/8	9.5	334	6.85	Plug BPB-3
GT-S32RW	33	343~1,569	3,600	1.0	Rc1/2	12.7	380	12.2	L- wrench H5, H6 1/2"X1/2" (hose nipple) H5, H6

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

Air Impact Wrenches, Torque Control Type

Machine Bolt Dia. >> **6~8mm**No. **GT-P6T** 9.5

• Pin-lock

Machine Bolt Dia. >> **8~10mm**No. **GT-P8T** 12.7

• Pin-lock



Model No.	Capacity Ordinary Bolt Dia. (mm)	Torque Range Reference (N·m)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Accessories
GT-P6T	6~8	7.8~17.6	3,000	0.27	Rc1/4	6.35	246	1.5	Plug BPB-2
GT-P8T	8~10	17.6~31.4	2,500	0.31	Rc1/4	6.35	266	2.2	L- wrench H3, H4 BPB-2 H3, H4

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

Digital Torque Tester



For controlling the output of fastening tools and checking the accuracy of torque wrenches.

- Large digital display. Settable time-out timer (0.1 ~ 9.9 sec).
- Separate pickup and amp, therefore instrument deterioration is minimized.
- Can measure both clockwise and counterclockwise rotation. Accurate to $\pm 0.5\%$ (Static load).
- Can measure the working torque of pneumatic drivers, impact wrenches, oil pulse wrenches, torque wrenches, etc.
- Use when the working torque of the tool is within 70% of the appropriate measurement range.

Model No.	Appropriate Measurement Range (N·m)	Smallest Scale Increment (N·cm)	Static Load Accuracy: Within $\pm 0.5\%$ Nm	Power Supply	Standard Accessories
TA-500	4.9~49	1.96	4.9~49 ± 2.6	AC100V~240V $\pm 10\%$ 50/60Hz · 15W	Pickup cable ...1
TA-1000	19.6~98	9.8	9.8~98 ± 5		Pickup cable ...1 3/8sqX1/2 sq adapter ...1
TA-2000	49~196	9.8	19.6~196 ± 10		Pickup cable ...1 3/8sqX1/2 sq adapter ...1
TA-5000	98~490	18.6	49~490 ± 26		Pickup cable ...1 1/2sqX3/4 sq adapter ...1 5/8X3/4 sq adapter ...1

Options: Printer parallel output (Centronics compliant), analog output (waveform monitoring terminal), pulse counter.

Air Sanders/ Air Grinders

The more you use our air belt sanders the more you will understand 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 Sander Patented

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.

Belt Width >> **12/10mm**

Patented

Ceramic Endless Belt (For GT-BS12)

No. GT-BS12
•Noise reducer



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



No. CB12

Belt Width >> **20mm**

Patented

Zirconia Endless Belt (For GT-BS20)

No. GT-BS20 (Aluminum roller head)
•Noise reducer

No. GT-BS20W (Urethane roller head)
•Noise reducer



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



OP
Bar grip
(Auxiliary handle)



No. ZB20

Belt Width >> **30mm**

Patented

Zirconia Endless Belt (For GT-BS30)

No. GT-BS30 (Aluminum roller head)
•Noise reducer

No. GT-BS30W (Urethane roller head)
•Noise reducer



Accessories
Bar grip (Auxiliary handle)...1 pc.
Sand belt #60...2 pcs.
#80...1 pc.



No. ZB30

Model No.	Applicable Belt Size (mm)	Belt Circumferential Speed (m/min)	Working Air Pressure (MPa)	No Load Speed (rpm)	Air Consumption (m³/min)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories
GT-BS12	12/10X330	1,100	0.6	17,000	0.52	Rc1/4	311	840	BPB-2 H1.5
GT-BS20 (W)	20X520	2,500	0.6	16,000	0.6	Rc1/4	398	1,300	BPB-2 H2
GT-BS30 (W)	30X540	2,040	0.6	13,000	0.72	Rc1/4	374	1,930	BPB-2 H2.5

*Total length: When mounted with belt.

Roller Heads



Aluminum
(GT-BS20/ BS30)
For heavy-duty sanding.



Urethane
(GT-BS20W/ BS30W)
For undulated and curved surfaces.

Model No.	Size	Grit No.
CB12-60	12mmX330mm	# 60
CB12-80	12mmX330mm	# 80
CB12-120	12mmX330mm	# 120
Quantity: 20		
ZB20-40	20mmX520mm	# 40
ZB20-60	20mmX520mm	# 60
ZB20-80	20mmX520mm	# 80
Quantity: 10		
ZB30-40	30mmX540mm	# 40
ZB30-60	30mmX540mm	# 60

Air Disk Sanders

Pad Dia. >> **50mm**

Collet chuck
φ6mm



No. **GT-DS50A**

• Noise reducer

Accessories
Flap wheel #60...1 pc.
Fiber wheel #600...1 pc.
Pitatto holder...1 pc.
Pitatto disk paper #60...3 pcs.

DP

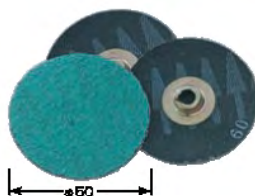
Disk bolt

Collet chuck (φ3mm, φ1/4", φ1/8")



Air Disk Sander Wheels (For DS50A)

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



Pitatto Holder
No. **PD-P6**



Flap Wheel
No. **FL-60, 120**



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



Precast Grit
No. **PCG-600**



Model No.	Grit No.	Max. Circumferential Speed (rpm)	Material	Use	Quantity
PD-P60	Z60	20,000	Zirconia	Thin pressed plate deburring, surfacing, etc.	50
PD-P6	—	—	Rubber (Pad)	For Pitatto disk paper	1
FL-60	A60	20,000	Alumina	Deburring, spatter removal Cylinder lining polishing, surfacing, etc.	5
FL-120	A120	20,000	Alumina	Deburring, spatter removal Cylinder lining polishing, surfacing, etc.	5
FB-400	400	10,000	Unwoven cloth	Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.	5
FB-600	600	10,000	Unwoven cloth	Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.	5
FB-1000	1000	10,000	Unwoven cloth	Dirt removal, cleaning prior to welding or plating, burn removal after welding, etc.	5
PCG-600	400~600	6,000	Abrasive grain nylon	Peeling lacquered topcoats, etc.	1

Pad Dia. >> **100mm**

M10 disk nut



No. **GT-DS50B**

• Noise reducer

Accessories
Protective cover
Disk nut
Pin wrench

Wheels to Remove Rust / Stains (For DS50B)

Hammer Wheel

No. **HMW10**

Patent Pending



Brush Wheel

No. **BHW10**



Model No.	Max. Circumferential Speed (rpm)	Material	Use	Quantity
HMW10	5,000	SUS	Slag and spatter removal after welding, etc.	1
BHW10	5,000	Abrasive grain nylon	Steel plate rust removal, aluminum cast finishing, etc.	1

Model No.	Disk Dia. (mm)	No Load Speed (rpm)	Air Consumption (N l / min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Tip Tool Installation Part	Accessories Plug	Spanner
GT-DS50A	50	5,000	650	Rc1/4	6.35	211	935	Collet chuck φ6mm	BPB-2	H11, H15
GT-DS50B	100	5,000	650	Rc1/4	6.35	211	1,150	Disk nut M10	BPB-2	H11, H15

• Air pressure: 0.6 MPa

Disk Dia. >> **100mm**



Ideal for grinding / polishing metal, base finishing, removing beads, burrs, rust and paint, cutting metal rods and thin panels, finish-polishing, etc.

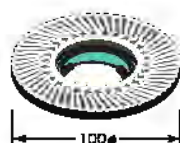
Model No.	Grindstone Size Outer Dia. X Thickness X Hole Dia. (mm)	Belt Circumferential Speed (m/min)	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Overall Length (mm)	Height (mm)	Weight (g)	Accessories Plug L-wrench
GT-DG100	100X6X15	4,300	13,500	0.7	Rc1/4	205	92	1,390	BPB-2 H6

• Air pressure: 0.6 MPa • Air hose diameter: 8.35 mm

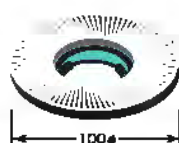
Air Disk Grinder Wheel (For GT-DG100)

Quick Lock Disk System - Disk can be easily replaced without fastening tools, by attaching a purpose-specific adapter. Ordinary grindstones (Hole diameter 15 X Thickness 3~6 mm) can be attached by detaching the adapter.

Paper wheel

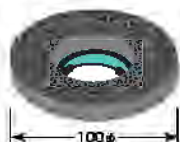


Model No.	Grit #	Use
CL-P36	36Z	Roughing
Inner Ctn.	5 per carton	



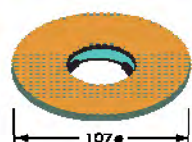
Model No.	Grit #	Use
CL-P60	60A	Grinding
CL-P80	80A	Grinding
Inner Ctn.	5 per carton	

Nylon wheel



Model No.	Grit #	Use
CL-NW	—	Rust removal
Inner Ctn.	5 per carton	

Cutter wheel



Model No.	Grit #	Use
CL-CW	—	Cutting
Inner Ctn.	5 per carton	

1 Quick Lock Adapter per box

ONE POINT

A disk swapping system that doesn't disrupt operations

Securely tightened nuts are extremely time consuming to loosen and remove using normal tools. Our quick-lock system allows for disks to be secured simply by snapping them into place and turning them by hand. Disk replacement is just as easy, as the disks can be removed by hand. We recommend this new system as an excellent means for shortening disruption time during



Click-Lock

operations and reducing industrial waste.



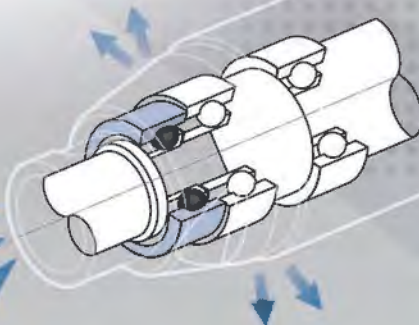
Air Micro Grinders

There is a glaring difference in axial runout. Our Air Micro Grinders feature optimum rotation speeds to match the specific bits being used, leading to more efficient grinding and cutting work marked by secure, almost suction-like bit-to-surface contact and less jumping.



A Double-Bearing System

Axial runout is suppressed by the use of precision motor engineering and our double-bearing system. Moreover, the SAR type employs angular bearings to handle the high loads of heavy work.



Air Micro Grinders (For Precision Grinding)

Collet chuck: $\phi 3$ mm



No. GT-MG75S

Collet chuck: $\phi 3$ mm



No. GT-MG75SAR (Soft Grip)

OP Collet chuck ($\phi 2.35$ mm, $\phi 1/8$ ")



Collet chuck: $\phi 3$ mm



No. GT-MG55SR (Ergo Grip)

Collet chuck: $\phi 3$ mm



No. GT-MG55SAR (Soft Grip)

OP Collet chuck ($\phi 2.35$ mm, $\phi 1/8$ ")



Collet chuck: $\phi 3$ mm



No. GT-MG55S/MG55SB (Reverse turning type)

Collet chuck: $\phi 6$ mm



No. GT-MG35SAR (Soft Grip)

OP Collet chuck ($\phi 3$ mm, $\phi 1/4$ ", $\phi 1/8$ ")



Collet chuck: $\phi 6$ mm



No. GT-MG25S

OP Collet chuck ($\phi 3$ mm, $\phi 1/4$ ", $\phi 1/8$ ")

Collet chuck: $\phi 3$ mm



No. GT-MG35-12CC (Soft Grip)

OP Collet chuck ($\phi 2.35$ mm, $\phi 1/8$ ")



OP Corner attachment

No. GT-MG25-12CC (Smooth grinding / polishing at 25,000 rpm)
No. GT-MG25-12CC (Precision grinding at 25,000 rpm)

Model No.	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Frame Dia. (mm)	Weight (g)	Collet Chuck (ϕ mm)	Accessories		
GT-MG75S	75,000	0.16	Rc1/4	6.35	170	18.5	190	3	Chuck handle	Spanner	Oil
GT-MG75SAR	75,000	0.16	Rc1/4	6.35	156	20.9	180	3	●	H9	●
GT-MG55S	55,000	0.16	Rc1/4	6.35	163	17.5	180	3	—	H5,H9	●
GT-MG55SB	55,000	0.16	Rc1/4	6.35	163	17.5	180	3	●	H9	●
GT-MG55SR	55,000	0.16	Rc1/4	6.35	180	20.0	220	3	●	H9	●
GT-MG55SAR	55,000	0.245	Rc1/4	6.35	178	24.5	260	3	—	H5,H9	●
GT-MG35SAR	35,000	0.285	Rc1/4	6.35	182	29.5	435	6	—	H11,H13	●
GT-MG25S	25,000	0.175	Rc1/4	6.35	198	30.0	600	6	—	H11,H13	●
GT-MG35-12CC	35,000	0.25	Rc1/4	6.35	183	24.5	305	3	—	H5,H9	●
GT-MG35-12CR	35,000	0.16	Rc1/4	6.35	151	20.0	160	3	—	H5,H9	●

•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, MG55SR, MG75S and a 2.35 mm collet chuck is also prepared.

OP Can be replaced by user.

OP Should be replaced at our factory.

Air Micro Grinders

Air Micro Grinders (Surface Grinding/ Polishing)



No. **GT-MG25-12CF (Soft Grip)**

OP Corner attachment

No. GT-MG25-12CC (Precision grinding at 35,000 rpm)
No. GT-MG25-12CC (Precision grinding at 25,000 rpm)



No. **GT-MG25-9CF (Soft Grip)**

OP Corner attachment

No. GT-MG25-9CC (Precision grinding at 25,000 rpm)
No. GT-MG25-9CC (Precision grinding at 35,000 rpm)

Model No.	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Frame Dia. (mm)	Weight (g)	Tip tool Installation Part	Accessories
GT-MG25-12CF	25,000	0.25	Rc1/4	6.35	181	24.5	315	M7	• Chuck handle • Oil • Rubber holder
GT-MG25-9CF	25,000	0.25	Rc1/4	6.35	173	24.5	310	M7	• PO-ring (#60•100•150•240 ...3 pcs. each
GT-MG25-12CR	25,000	0.16	Rc1/4	6.35	160	20.0	200	M7	#400•600 ...1 pc. each)
GT-MG25-9CR	25,000	0.16	Rc1/4	6.35	143	20.0	200	M7	• Lap ring (#600) • Headcup (#80)

•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.

Tip Tools for Smooth Surface Grinding and Polishing (For GT-MG25-12CF, 9CF, 12CR, 9CR)

To meet work objectives from the removal of cutter marks in the manufacture of metal molding to the finishing of mirror surfaces.

Headcup Grit #80



No. HC-80

Rubber Holder



No. RH-30

PO-Ring



Lap Ring



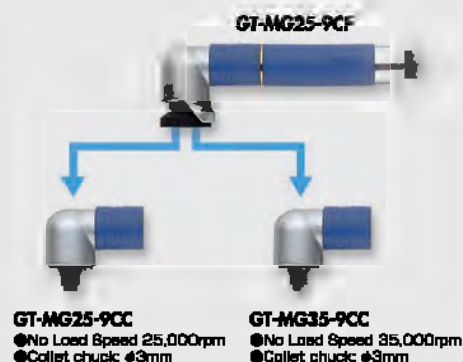
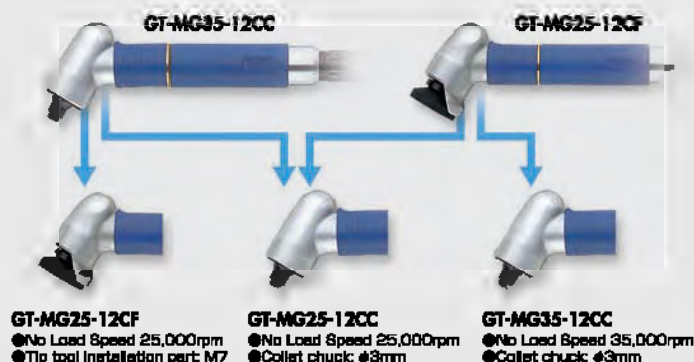
Model No.	Grit #
PR-60	60
PR-100	100
PR-150	150
PR-240	240
PR-400	400
PR-600	600

Model No.	Grit #
LP-320	320
LP-400	400
LP-600	600
LP-800	800

Color Identification

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.

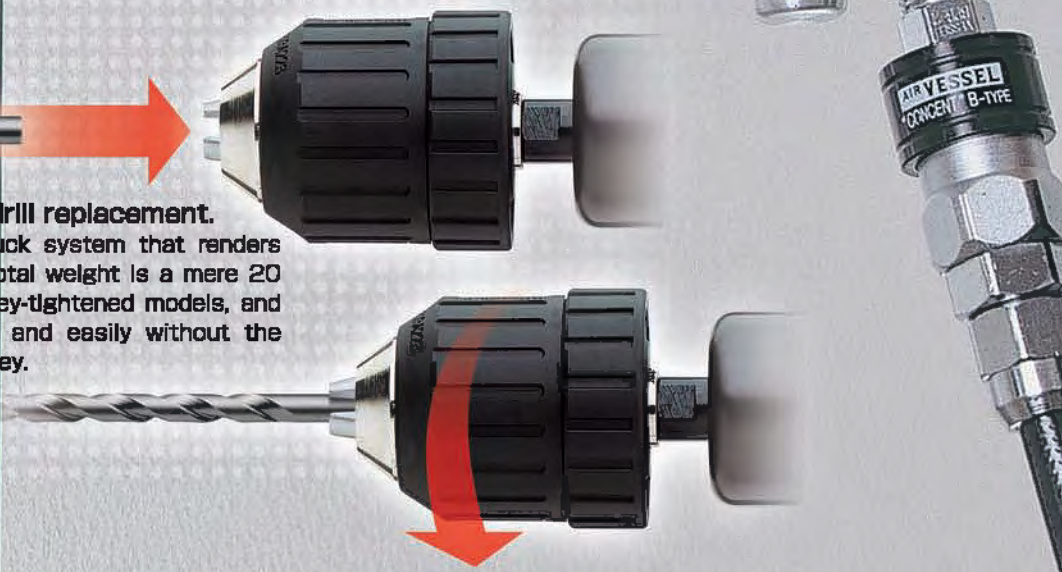


Handy, adaptable drills that can handle the precision drilling for a wide variety of applications including sash work, sheet metal work, and automobile assembly, these units boast precision motors for optimum revolution speed and minimum axial runout for both bits and shank to ensure accurate drilling without mistakes.



Keyless Chucks

Keyless chucks enable easy drill replacement. These drills feature a keyless chuck system that renders chuck handles unnecessary. The total weight is a mere 20 grams heavier than conventional key-tightened models, and drill bits can be replaced quickly and easily without the trouble of having to search for the key.



Air Drills

Air Drills

The VESSEL Air Drill speedily drills holes of every small bore. Compact and lightweight, it is provided with functions, such as adjust-valve and silencer, which adds comfort to the workplace.

Drill Hole >> $\phi 6\text{mm}$



No. **GT-D60-26**

- Rear exhaust
- Noise reducer

Drill Hole >> $\phi 8\text{mm}$



No. **GT-D80-20**

- Rear exhaust
- Noise reducer



No. **GT-D80-20K**

- Rear exhaust
- Noise reducer
- Keyless chuck

Drill Hole >> $\phi 10\text{mm}$



No. **GT-D100-15**

- Rear exhaust
- Noise reducer



No. **GT-D100-15K**

- Rear exhaust
- Noise reducer
- Keyless chuck

Model No.	Steel Plate Drilling Capacity ϕ (mm)	No Load Speed (rpm)	Air Consumption (m ³ /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Weight (g)	Chuck Size (mm)	Accessories	
									Plug	Chuck handle
GT-D60-26	6	2,600	0.2	Rc1/4	6.35	163	830	6.0	BPB-2	●
GT-D80-20	8	2,000	0.35	Rc1/4	6.35	165	940	8.0	BPB-2	●
GT-D80-20K	8	2,000	0.35	Rc1/4	6.35	171	960	8.0	BPB-2	—
GT-D100-15	10	1,500	0.54	Rc1/4	6.35	189	1,280	10.0	BPB-2	●
GT-D100-15K	10	1,500	0.54	Rc1/4	6.35	195	1,300	10.0	BPB-2	—

• Working air pressure---0.6MPa • Overall length---Accessories and exhaust hose parts not included. • Weight---Accessories not included.

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.



Carbide Blade for Glass Cut

Our glass-cutting blades of ultra hard steel can cut out the front windshield of an automobile in approximately 30 seconds, making this an absolute necessity for automobile recycling.

Air Saws

Cutting Capacity >> Metal Sheet **4mm** Patented



No. GT-AS10

*Noise reducer

Accessories

Blade: 32-tooth thin blade ... ASB-32T...1pc.

32-tooth thick blade ... ASB-32H...1pc.

24-tooth thick blade ... ASB-24H...1pc.

Cutting Capacity >> Metal Sheet **1.6mm** Patented



No. GT-AS100

Accessories

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

Model No.	Cutting Capacity	Working Air Pressure (MPa)	Stroke Speed (c.p.m.)	Air Consumption (m³/min)	Stroke (mm)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories Plug	L-wrench
GT-AS10	Steel...4mm	0.6	5,000	0.28	10	Rc1/4	195.5	870	BPB-2	H3
GT-AS100	Steel...1.6/ Wood...55mm	0.6	10,000	0.34	10	Rc1/4	170	570	BPB-2	H2,H4

Cutting capacity: GT-AS10: When used with a No. ASB-32H blade GT-AS100: When used with a No. ASB-32 blade Overall Length, Weight: Accessories not included.

ONE POINT

Easy recovery by the restart button.



When the air motor accidentally stalls, the unit can be easily restarted by pushing the restart button.

Air Saw Blades (For GT-AS10/AS100)

Attach to air saw tips for cutting.



<For steel>



<Scraper>



Flat type



Round type



Triangular type
<File>

Model No.	Specifications	Use	Quantity
ASB-32	For steel Cobalt mix, standard blade, 32 teeth	Cutting steel	10
ASB-32T	For steel Thin blades, 32 teeth	Cutting sheet metal, etc.	10
ASB-32H	For steel Cobalt mix, super thick blade, 32 teeth	Cutting plain and stainless steel sheet	10
ASB-24H	For steel Cobalt mix, super thick blade, 24 teeth	Cutting aluminum, soft steel and resin	10
ASF-25-5	Scraper 25 mm wide blade	Scraping, peeling, etc.	1
ASF-F-5	File Flat	File	5
ASF-R-5	File Round	File	5
ASF-T-5	File Triangular	File	5

GT-ASC5 Air Scraper



• Noise reducer
*Scraper sold separately

Use to detach IC chips from circuit boards when recycling PCs, faxes and copiers, or to scrape mortar or paint from external walls of structures.



Working Air Pressure (MPa)	Stroke Speed (c.p.m.)	Air Consumption (m ³ /min)	Stroke (mm)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
0.6	7,000	0.28	5	Rc1/4	195.5	810	Plug BPB-2	L-wrench H3

GT-AS10G Glass Cut Air Saw



• Noise reducer
*Scraper sold separately



For windshield recycling.



Working Air Pressure (MPa)	Stroke Speed (c.p.m.)	Air Consumption (m ³ /min)	Stroke (mm)	Hose Coupling	Overall Length (mm)	Weight (g)	Accessories	
0.6	5,000	0.28	10	Rc1/4	195.5	810	Plug BPB-2	Spanner H3

For the date of delivery, consult Vessel.

Scraper (For GT-ASC5)



No. ASC-25-8



No. ASC-50-8

Model No.	Blade Width (mm)	Axle Dia. φ (mm)	Use
ASC-25-8	25	8	for IC chip
ASC-50-8	50	8	for IC chip, wall

Carbide Blade for Glass Cut (For GT-AS10G)



Model No.	Specifications	Use
ASB-10G	Thickness 3mm, 10teeth	for windshield glass

*Not compatible with GT-AS10, AS100.

Air Nippers For Resin Gate

These are high-class air nippers that can be mounted on gate cutting equipment and standby jigs for accurate, speedy cutting of resin products. VESSEL has a wide selection of items to meet a variety of needs, from around-the-clock operations to high cutting precision.

Blades

Manufactured by our unique heat process technology using high-class materials such as alloy tool steel and high-speed steel, these air nippers boast stable and sharp blade formation through the use of precision machining processes and extremely sharp cutting performance developed in accordance with our extensive knowledge of cutting technology.

Cutting material

What is the material to be cut?

Plastic		Metal	
Soft Plastic PP, etc.	Hard Plastic ABS, etc.	Copper wire	Steel wire Non-heat treated

Select diameter

What is the size of the material?

Calculate "W×H" to obtain the cross-sectional area and select a corresponding diameter.	Select the diameter.

*Sprues cannot be trimmed properly if they are bigger than the blade length or if they are too thin.

Select nipper body

To select a nipper body, please refer to the cutting capacity on the specification chart.

Capacity φ (mm)	Model No.	Size (mm)											Air Consumption (cm ³ /sec.)
		A	B	C	D	E	F	G	H	I	J	K	
2.0	GT-NY05												48
2.0	GT-NY05R												48
2.0	GT-NY05-4	8.6	75.9	40.9	25	15	23	47.6	4	M4	3	22	48
2.0	GT-NY05R-4												48
2.3	GT-NY10												68
2.3	GT-NY10R												68
2.3	GT-NY10-4	8.8	82.1	42.1	30	20	28	51.6	6	M4	5	24	68
2.3	GT-NY10R-4												68
2.6	GT-NY15												110
2.6	GT-NY15R												110
2.6	GT-NY15-4	10.2	93	48	35	25	33	58	8	M4	5	27	110
2.6	GT-NY15R-4												110
3.4	GT-NY25												180
3.4	GT-NY25R												180

Select the item.

Select blades

Please select blades compatible with the chosen nipper body.

Applicable Nippers		Model No.		Size (mm)			
Copper	Steel	Body	Shape	a	b	d	e
		GT-NY03G(-4)	NY03 AJ	21.0	7.0	10.5	3.0
			NY03 AJL	27.0	7.0	10.5	4.0
			NY03 AJT	21.0	7.0	10.5	3.0
			NY03 RAJ	21.0	7.0	10.5	3.0
1.6	1.0	GT-NY05(-4) GT-NF05	NY05 BJ	22.0	7.0	9.0	3.5
			NY05 AJ	22.0	7.0	10.5	4.0
			NY05 AJL	31.0	7.0	10.5	5.0
			NY05 AJB	22.0	7.0	10.5	4.0
			NY05 AJT	22.0	7.0	10.5	4.0
			NY05 AH	31.0	19.0	10.5	5.0
			NY05 BBI	22.0	7.0	9.0	3.5

Select the item. (Please refer to P. 146)

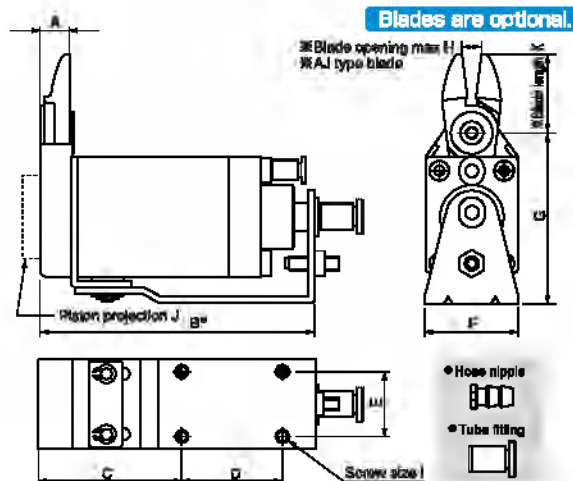
*The cutting capacity may differ depending on the temperature of material.

Air Nippers For Resin Gate

GT-NY05/10/15/25 Sliding Air Nippers Horizontal-Type



The horizontal slide enables space to be used effectively.
The low profile of the main unit allows work to be removed without obstructing the operations of the chuck plate.



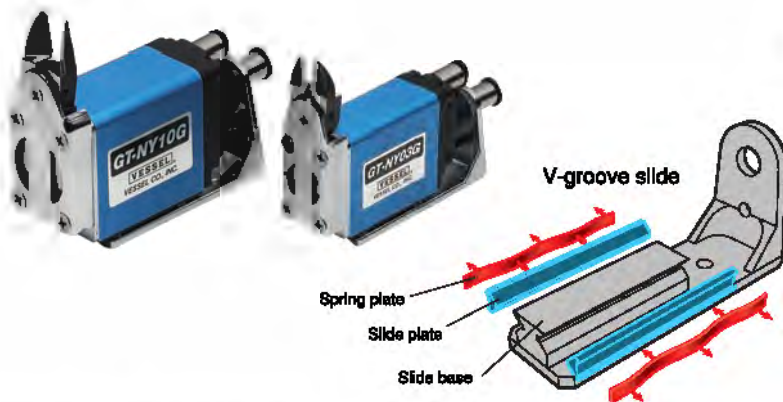
Capacity ϕ (mm)				Model No.	Size (mm)											Air Consumption (cm ³ /str.)	Weight (g)	Slide Distance (mm)	Hose Port
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D	E	F	G	H	I	J	K				
3.0	2.0	1.6	1.0	GT-NY05	8.6	75.9	40.9	25	15	23	47.6	4	M4	3	22	48	155	Pull 0~3	W/hose nipple
3.0	2.0	1.6	1.0	GT-NY05R												48	155	Push 0~3	Hose I.D. ϕ 2.5mm
3.0	2.0	1.6	1.0	GT-NY05-4												48	155	Pull 0~3	W/tube fitting
3.0	2.0	1.6	1.0	GT-NY05R-4												48	155	Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
3.5	2.3			GT-NY10	8.8	82.1	42.1	30	20	28	51.6	6	M4	5	24	68	210	Pull 0~3	W/hose nipple
3.5	2.3			GT-NY10R												68	210	Push 0~3	Hose I.D. ϕ 2.5mm
3.5	2.3			GT-NY10-4												68	210	Pull 0~3	W/tube fitting
3.5	2.3			GT-NY10R-4												68	210	Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
4.0	2.6			GT-NY15	10.2	93	48	35	25	33	58	8	M4	5	27	136	319	Pull 0~3	W/hose nipple
4.0	2.6			GT-NY15R												136	319	Push 0~3	Hose I.D. ϕ 2.5mm
4.0	2.6			GT-NY15-4												136	319	Pull 0~3	W/tube fitting
4.0	2.6			GT-NY15R-4												136	319	Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
5.0	3.4			GT-NY25	12.5	108.5	54.5	40	30	42	69	9	M5	2	31	184	580	Pull 0~5	W/hose nipple
5.0	3.4			GT-NY25R												184	580	Push 0~5	Hose I.D. ϕ 4mm
5.0	3.4			GT-NY25-6												184	580	Pull 0~5	W/tube fitting
5.0	3.4			GT-NY25R-6												184	580	Push 0~5	Hose I.D. ϕ 4XO.D. ϕ 6mm

* Air Pressure: 0.4~0.5 MPa (NY25 type: 0.5~0.8)

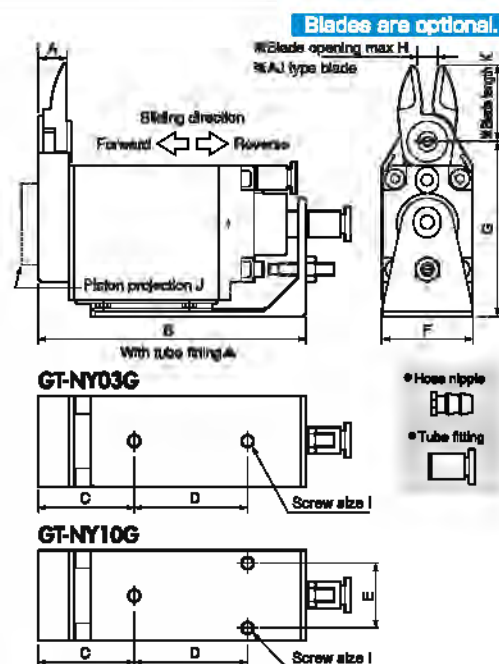
* B refers to the distance from the cut position for PUSH style models, and the distance from the start position for PULL style models.

GT-NY03G/10G Sliding Air Nippers Horizontal-Type

Patented



VESSEL's patented, V-groove slide base ensures constant, stable positioning. The unit is not subject to inclined loads, and has achieved high precision gate cutting performance.



Capacity ϕ (mm)				Model No.	Size (mm)											Air Consumption (cm ³ /str.)	Weight (g)	Slide Distance (mm)	Hose Port
Soft Plastic	Hard Plastic				A	B	C	D	E	F	G	H	I	J	K				
2.0	1.3			GT-NY03G	8.6	74.5	29.5	30	-	19	46.5	3	M4	0	21	37	160	Pull 0~3	W/hose nipple
2.0	1.3			GT-NY03GR												37	160	Push 0~3	Hose I.D. ϕ 2.5mm
2.0	1.3			GT-NY03G-4												37	160	Pull 0~3	W/tube fitting
2.0	1.3			GT-NY03GR-4												37	160	Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
3.5	2.3			GT-NY10G	8.8	82.6	29.6	35	20	28	54	6	M4	5	24	68	275	Pull 0~3	W/hose nipple
3.5	2.3			GT-NY10GR												68	275	Push 0~3	Hose I.D. ϕ 2.5mm
3.5	2.3			GT-NY10G-4												68	275	Pull 0~3	W/tube fitting
3.5	2.3			GT-NY10GR-4												68	275	Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm

* Air Pressure: 0.4~0.5 MPa

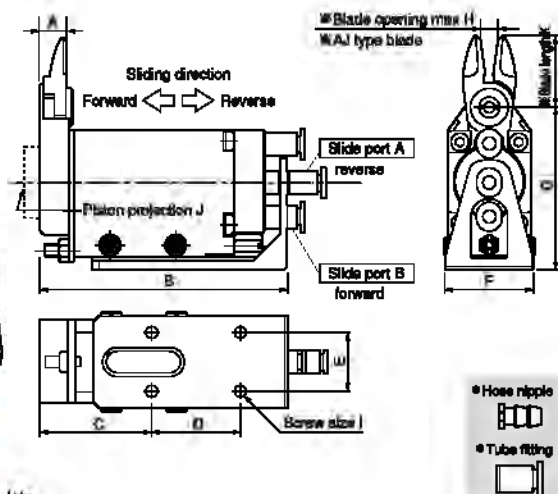
GT-NY10S/25S Double Action Sliding Air Nippers

Blades are optional.

NY-5



The springless slide construction of the main unit ensures smooth movement, and a V-groove slide base has been employed for high precision positioning.



Capacity ϕ (mm) Soft Plastic Hard Plastic	Model No.	Size (mm)											Air Consumption (cm ³ /sec.)	Weight (g)	Slide Distance (mm)	Hose Port
		A	B	C	D	E	F	G	H	I	J	K				
3.5 2.3	GT-NY10S	8.8	84.5	38	30	20	32	55	6	4-M4	5	24	68	300	0~3.5	W/hose nipple Hose I.D. ϕ 2.5XO.D. ϕ 4mm
5.0 3.4	GT-NY25S	12.5	106.5	47	40	30	47	72	9	4-M5	2	31	184	695	0~5.0	W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm

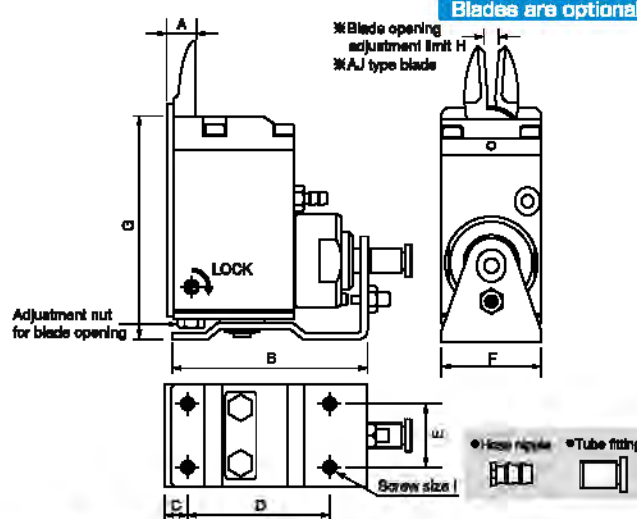
※Air Pressure: NY10S : 0.4~0.5 MPa / NY25S : 0.5~0.6 MPa

GT-NT03/05/10/20 Sliding Air Nippers Vertical-type

Blades are optional.



Blade opening is adjustable, and fine adjustments are easy to make after mounting the nippers, ensuring clean, unblemished cut surfaces.



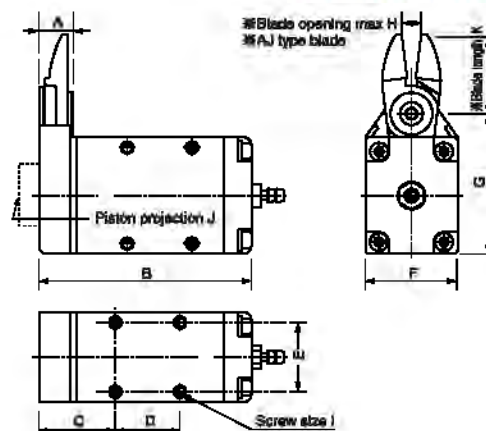
Capacity ϕ (mm) Soft Plastic Hard Plastic	Model No.	Size (mm)									Air Consumption (cm ³ /sec.)	Weight (g)	Slide Distance (mm)	Hose Port
		A	B	C	D	E	F	G	H	I				
1.5 1.0	GT-NT03	9	62	7	43	14	19	68.1	1.5~3	M3	0.4~0.5	178	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
1.5 1.0	GT-NT03R										0.4~0.5	178	Push 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
1.5 1.0	GT-NT03-4										0.4~0.5	178	Pull 0~3	W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
1.5 1.0	GT-NT03R-4										0.4~0.5	178	Push 0~3	W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
2.5 1.5	GT-NT05	9	64	7	45	20	32	71.1	3~6	M4	0.4~0.5	325	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
2.5 1.5	GT-NT05R										0.4~0.5	325	Push 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
2.5 1.5	GT-NT05-4										0.4~0.5	325	Pull 0~3	W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
2.5 1.5	GT-NT05R-4										0.4~0.5	325	Push 0~3	W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
3.5 2.3	GT-NT10	11	73	8	53	24	38	88.1	4~7	M4	0.4~0.5	515	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
3.5 2.3	GT-NT10R										0.4~0.5	515	Push 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
3.5 2.3	GT-NT10-6										0.4~0.5	515	Pull 0~3	W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm
3.5 2.3	GT-NT10R-6										0.4~0.5	515	Push 0~3	W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm
5.0 3.4	GT-NT20	14	103	10	80	28	44	102.1	4.5~9	M5	0.5~0.6	930	Pull 0~8	W/hose nipple Hose I.D. ϕ 4mm
5.0 3.4	GT-NT20R										0.5~0.6	930	Push 0~8	W/hose nipple Hose I.D. ϕ 4mm
5.0 3.4	GT-NT20-6										0.5~0.6	930	Pull 0~8	W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm
5.0 3.4	GT-NT20R-6										0.5~0.6	930	Push 0~8	W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm

※Air Pressure: 0.4~0.5 MPa

Air Nippers For Resin Gate

GT-NF05/10/15 Type-F Air Nippers

Blades are optional.



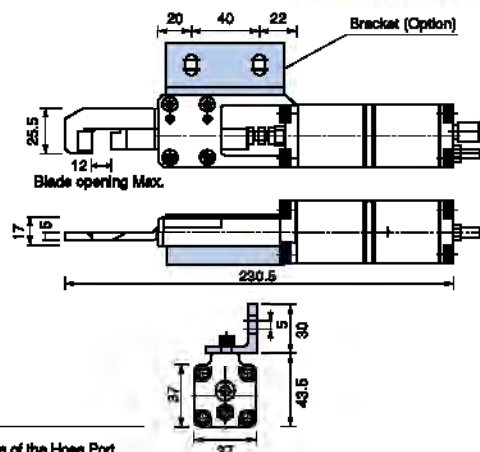
These compact, lightweight nippers have been designed for easy mounting inside equipment and to enable secure mounting under high-density mounting conditions.

Capacity ϕ (mm)				Model No.	Size (mm)										Air Consumption (cm ³ /str.)	Weight (g)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D	E	F	G	H	I	J			
3.0	2.0	1.6	1.0	GT-NF05	8.6	59.9	21.9	17	18	23	39.5	4	M3	3	43	101	W/hose nipple Hose I.D. ϕ 2.5mm \times ϕ 4mm
3.5	2.3	1.7	1.1	GT-NF10	8.8	65.1	23.1	20	22	28	43.5	6	M3.5	5	63	143	
4.0	2.6	1.8	1.2	GT-NF15	10.2	73	25	25	26	33	48.5	8	M4	5	128	219	

*Mounting screw for NF10 (M3.5) is regarded as spare part. *Air Pressure...0.4~0.5 MPa

GT-NK10 Thrust-Cut Air Nipper

Blades are optional.



These nippers are equipped with a foot switch and are linked to high precision drivers, enabling the cutting of film-shaped gates from the thin end, preventing wrinkles around the cut.

Capacity ϕ (mm)	Model No.	Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Applied Pressure (N)	Spec. & Size of the Hose Port
ABS Plastic 5	GT-NK10	110	0.4~0.5	800	735	Hose I.D. ϕ 2.5 \times O.D. ϕ 4mm

*Hose Coupling: I.D. ϕ 4 \times O.D. ϕ 6 mm *Piston stroke...Max.12 mm

GT-TC-02 Timing Controller

TC

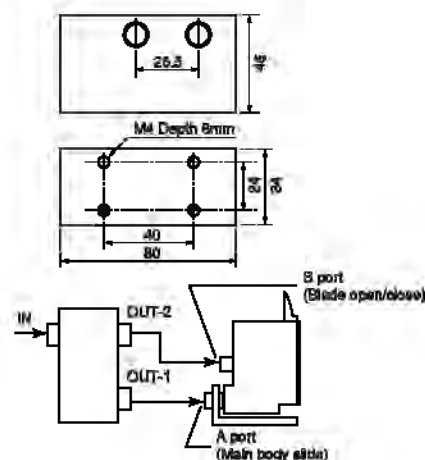
Adjusting Screw
(0.5~1.5 sec.)



Connected between the compressor and the air nippers, the timing controller enables adjustments to the slide and cutting timing. (Approximately 0.5 seconds to 1.5 seconds)

Connectable nippers (Reference)

No. GT-	NY05	NY10	NY15	NY25	NT03	NT05	NT10	NT20	NT30	NT50	NT100W	NT300W
Connectable unit number	4	3	1	1	6	4	2	1	2	1	2	1



Working air pressure ... 0.6MPa
Size ... Height 45 X Length 80 X thickness 34 (mm)
Weight ... 275 g With tube joint: I.D. $\phi 4$ X O.D. $\phi 6$ mm



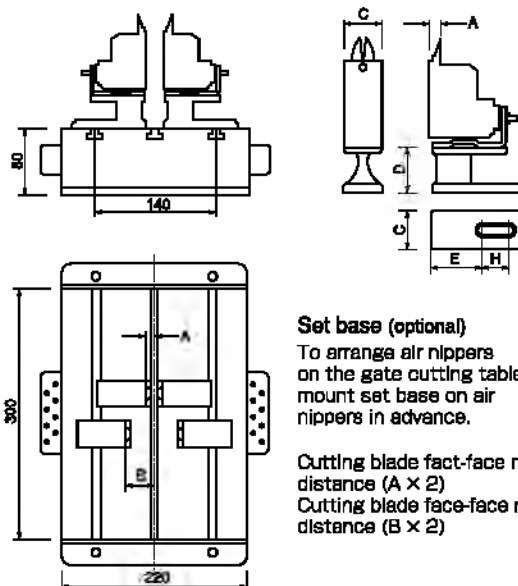
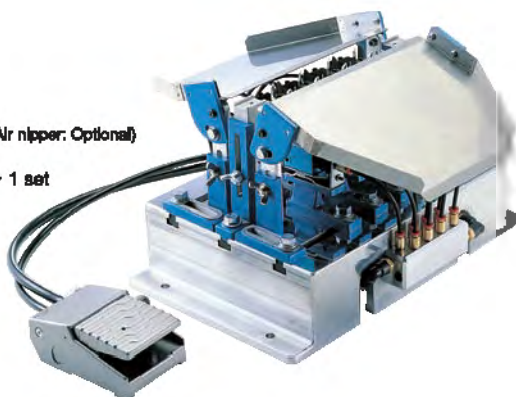
ATC-30 Gate Cutting Table

ATC

Our gate cut table eliminates the trouble of manufacturing a jig. Air nipper position can be changed in accordance with changes in work requirements.

Standard set detail (Air nipper: Optional)

- Table ... 1 unit
- Gate receiving base ... 1 set
- Foot switch ... 1 unit
- Chuter ... 1 set
- TC-02 ... 1 unit
- Accessories ... 1 set



Set base (optional)

To arrange air nippers on the gate cutting table, mount set base on air nippers in advance.

Cutting blade fact-face min. distance (A x 2)
Cutting blade fact-face max. distance (B x 2)

We quote, according to your molded sample, complete gate cut table.

Capacity ϕ (mm)	Model No.	Max. Arrangement on Table	Dimensions (mm)					
ABS Plastic			A	B	C	D	E	H
3.0	GT-NY05, NY05R, NY05-4, NY05R-4	8 units	8.6	27	23	50	40	15
1.5	GT-NT03, NT03R, NT03-4, NT03R-4	8 units	9	29	19	36	50	20
2.5	GT-NT05, NT05R, NT05-4, NT05R-4	8 units	10	30	32	40	49	20

Note: By extended piping, max. 20 pcs of NT03 max. 16 pcs of NY05, max. 12 pcs of NT05 can be installed.

Standard Blades For Sliding Air Nipper

Blade Type

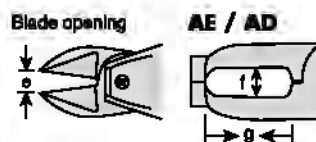
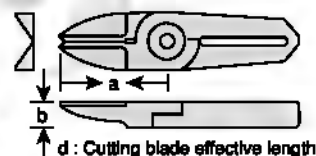


No. **NY10 A J**

Air Nipper
Applicable model

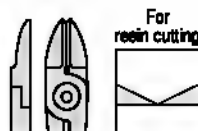
Blade shape

AJ : Plastic, Straight ————— **RAJ** : Plastic, Straight Reversed
AJL : Plastic, Straight long
AJT : Plastic, Straight thin
AE : Plastic, Cutting off
AJY : Plastic, Recessed straight
AD : Plastic, Over-ride
AH : Plastic, Crank ————— **RAH** : Plastic, Crank Reversed
AJB : Plastic, Straight (Sintered Alloy)
AJV : Plastic, Straight V-shaped
AJH : Plastic, Straight (High Speed Steel)
BJ : Metal, Straight ————— **RBJ** : Metal, Straight Reversed

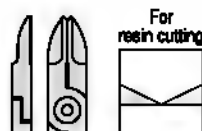


■---Sintered Alloy ■---High Speed Steel

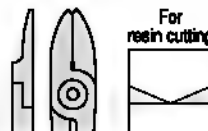
AJ Vertical blades whose cutting edges are not angled.



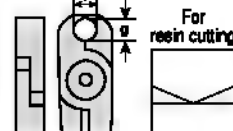
AJL In case there is a long distance between nipper body and gate.



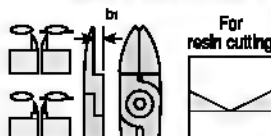
AJT Blade section is thin, enabling beautiful finish of surface.



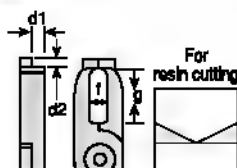
AE For many gate treatments such as over-fit gate, modified gate, etc.



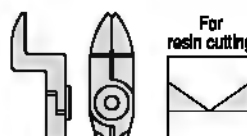
AJY In case the required gate width is small and ordinary blade is thick excessively.



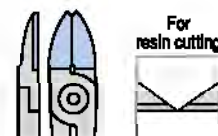
AD In case multi-dimensional de-gating is required.



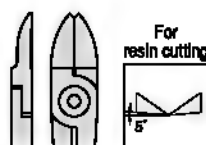
AH Cramped blades for resin cutting.



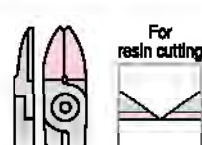
AJB Carbide tipped blades for cutting hard resin.



AJV In case cutting surface is curve and cutting face should be smooth.



AJH HSS tipped blades suitable for cutting hard resin works.



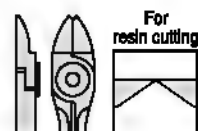
NK10AJ



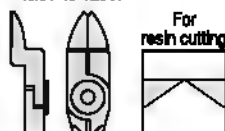
d: Cutting blade effective length ... 10.3 mm
e: Max. blade opening ... 12 mm

Material	Shape	Weight (g)
Special alloy steel	For metal cutting (Knife type)	96

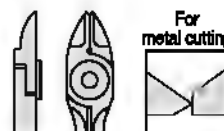
RAJ Reversed AJ blades



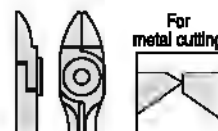
RAH Reversed AH blades to be employed when a pair of nipper bodies is installed face-to-face.



BJ Only one blade is edged for cutting metal wires.



RBJ Reversed BJ blades.



Specification chart for standard blades

Sliding nippers Horizontal type (Forward / backward)

Capacity				Applicable Nippers	Model No.		a	b	Size (mm)		f × g	Weight (g)
Soft Plastic	Hard Plastic	Copper	Steel		Body	Shape			d	e		
2.0	1.3			GT-NY03G(-4)	NY03	AJ	21.0	7.0	10.5	3.0		17
1.6	1.1				NY03	AJL	27.0	7.0	10.5	4.0		21
2.0	1.3				NY03	AJT	21.0	7.0	10.5	3.0		17
2.0	1.3			GT-NY03GR(-4)	NY03	RAJ	21.0	7.0	10.5	3.0		17
	2.0	1.6	1.0		NY05	BJ	22.0	7.0	9.0	3.5		22
3.0	2.0			GT-NY05(-4) GT-NF05	NY05	AJ	22.0	7.0	10.5	4.0		22
2.8	1.6				NY05	AJL	31.0	7.0	10.5	5.5		29
3.0	2.0				NY05	AJB	22.0	7.0	10.5	4.0		22
3.0	2.0				NY05	AJT	22.0	7.0	10.5	4.0		21
3.0	2.0				NY05	AH	31.0	19.0	10.5	5.5		37
	2.0	1.6	1.0	GT-NY05R(-4) GT-NF05	NY05	RBJ	22.0	7.0	9.0	3.5		22
3.0	2.0				NY05	RAJ	22.0	7.0	10.5	4.0		22
3.0	2.0				NY05	RAH	30.0	12.0	10.5	5.0		31
3.5	2.3			GT-NY10(-4) GT-NY10G(-4) GT-NF10 GT-NY10S	NY10	AJ	24.0	7.2	12.0	6.0		28
3.2	2.1				NY10	AJL	33.0	7.2	12.0	8.0		37
2.3	1.6				NY10	AD	26.5	7.2	12.0	6.0	6×13	31
3.5	2.3				NY10	AJB	24.0	7.2	12.0	6.0		28
3.5	2.3				NY10	AJT	24.0	7.2	12.0	6.0		26
3.5	2.3				NY10	AH	33.0	20.0	12.0	8.0		43
3.5	2.3			GT-NY10R(-4) GT-NY10GR(-4) GT-NF10/GT-NY10S	NY10	RAJ	24.0	7.2	12.0	6.0		28
3.5	2.3				NY10	RAH	32.0	12.2	12.0	7.0		36
4.0	2.6			GT-NY15(-4) GT-NF15	NY15	AJ	27.0	8.2	13.0	8.0		41
3.7	2.3				NY15	AJL	38.0	8.2	13.0	11.0		50
2.6	2.2				NY15	AD	30.0	8.2	13.0	8.0	7×4	45
4.0	2.6				NY15	AJB	27.0	8.2	13.0	8.0		41
4.0	2.6				NY15	AJT	27.0	8.2	13.0	8.0		38
4.0	2.6				NY15	AH	38.0	21.5	13.0	11.0		63
4.0	2.6			GT-NY15R(-4) GT-NF15	NY15	RAJ	27.0	8.2	13.0	8.0		41
4.0	2.6				NY15	RAH	35.0	13.2	13.0	9.0		52
5.0	3.4			GT-NY25(-6) GT-NY25S	NY25	AJ	31.0	10.0	16.0	9.0		65
4.7	3.0				NY25	AJL	46.0	10.0	16.0	13.0		88
3.3	2.0				NY25	AD	35.0	10.0	16.0	9.0	8×17	75
5.0	3.4				NY25	AJB	31.0	10.0	16.0	9.0		65
5.0	3.4				NY25	AH	46.0	24.0	17.0	13.0		110
5.0	3.4			GT-NY25R(-6) GT-NY25S	NY25	RAJ	31.0	10.0	16.0	9.0		65
5.0	3.4				NY25	RAH	42.0	16.0	16.0	12.0		89

Sliding nippers Vertical type (Forward / backward)

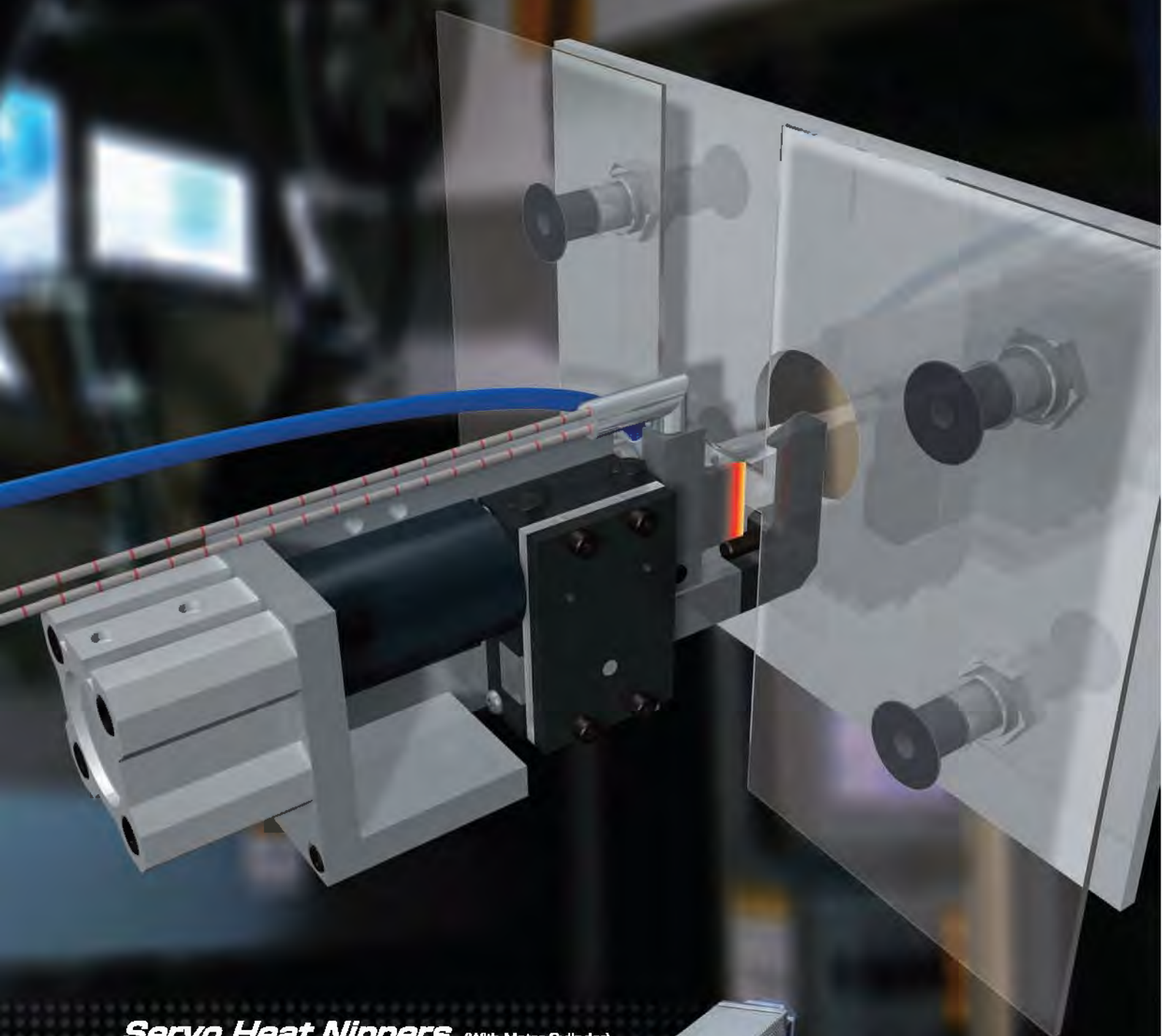
Capacity				Applicable Nippers	Model No.		a	b	Size (mm)		f × g	Weight (g)
Soft Plastic	Hard Plastic	Copper	Steel		Body	Shape			d	e		
1.5	1.0			GT-NT03	NT03	AJ	24.0	7.0	11.0	3.0		20
1.5	1.0				NT03	AJT	24.0	7.0	11.0	3.0		19
1.5	1.0				NT03	AJY	24.0	7.0	11.0	3.0		19
2.5	1.5			GT-NT05	NE5	AJ	24.0	7.0	12.0	6.0		35
2.5	1.5				NT05	AJ	29.0	7.0	15.0	6.0		30
2.0	1.3				NT05	AJL	36.0	7.0	15.0	7.0		39
2.5	1.5				NT05	AJB	29.0	7.0	15.0	6.0		30
2.5	1.5				NT05	AJT	29.0	7.0	15.0	6.0		29
2.5	1.5				NT05	AJY	29.0	7.0	15.0	6.0		29
2.5	1.5				NT05	AD	31.5	7.0	15.0	6.0	6×18	37
2.5	1.5				NT05	AJH	29.0	7.0	15.0	6.0		30
2.5	1.5				NT05	AJV	29.0	7.0	15.0	6.0		29
2.0	1.3				NT05	AE	29.0	7.0	7.0	6.0	6×18	36
3.5	2.3			GT-NT10	NE10	AJ	27.0	9.0	12.0	7.0		70
3.5	2.3				NT10	AJ	35.0	9.0	17.0	7.0		62
3.0	2.0				NT10	AJL	47.0	9.0	17.0	9.0		62
3.5	2.3				NT10	AJB	35.0	9.0	17.0	7.0		76
3.5	2.3				NT10	AJT	35.0	9.0	17.0	7.0		65
3.5	2.3				NT10	AJY	35.0	9.0	17.0	7.0		82
3.5	2.1				NT10	AD	39.0	9.0	17.0	7.0	8×21.5	65
3.5	2.3				NT10	AJH	35.0	9.0	17.0	7.0		65
3.5	2.3				NT10	AJV	35.0	9.0	17.0	7.0		63
3.5	2.1				NT10	AE	35.0	9.0	9.0	7.0	8×21.5	75
5.0	3.4			GT-NT20	NT20	AJ	40.0	12.0	20.0	9.0		120
4.5	3.2				NT20	AJL	57.0	12.0	20.0	12.0		156
5.0	2.0				NT20	AD	46.0	12.0	20.0	9.0	9×24.5	141
5.0	3.4				NT20	AJB	40.0	12.0	20.0	9.0		120
5.0	3.4				NT20	AJH	40.0	12.0	20.0	9.0		120

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

Heat Air Nippers

These air nippers are connected to a heater to suppress cracks and whitening of clear materials such as acrylic.

The gate is slowly melted as it's cut, resulting in a clean, unblemished cut surface.



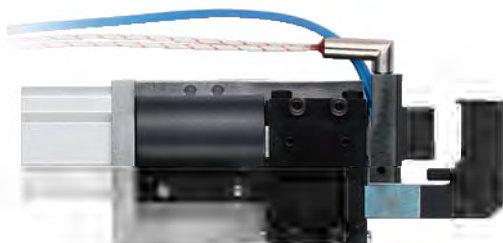
Servo Heat Nippers (With Motor Cylinder)

Outstanding positioning control by sequencer control and light movement by electromotive servo cylinder has achieved high precision lens cuts.



GT-NKH20A/20AR Heat Air Nippers (Air Hydro Type)

Air-hydro cylinders produce high power from air and oil. These units are ideal for high precision cuts required for products such as optical resin lenses.



- Requires separately sold Hydro Controller.
- Custom-made blade lengths and cylinder capacities available.

Model No.	Cutting Capacity width X thickness (mm) Acrl	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Air Consumption (cm³/str.)	Piston Stroke (mm)	Weight (g)
GT-NKH20A-25/20AR-25	10 X 1.5	180	4~5	60	10	720

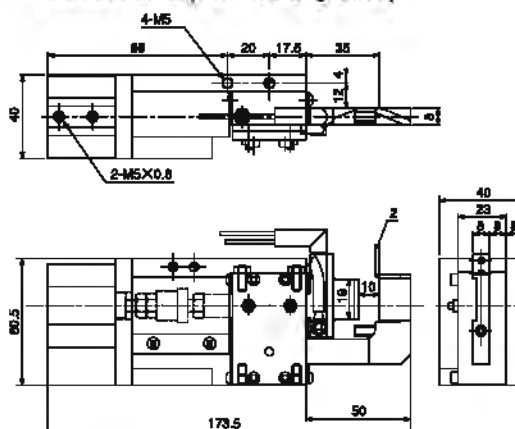
• Included heater
• Included temperature sensor
• Air Pressure: 0.6MPa • Working air hose inner diameter: 4mm
※200V/240V heaters are also available to order.

Blades Specifications

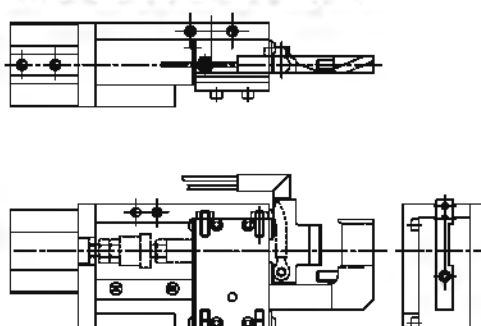
Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
Alloy Steel	Knife type (resin)	10	19	125

Option Parts • Hydro-converter (Recommended: KOGANEI AHC 32X50)
Working fluid: Petroleum hydraulic fluid or turbine oil with antifoaming agent additive (VG22~100)
• Temperature controller (DTC-001)

GT-NKH20A-25 (Forward-facing blades)

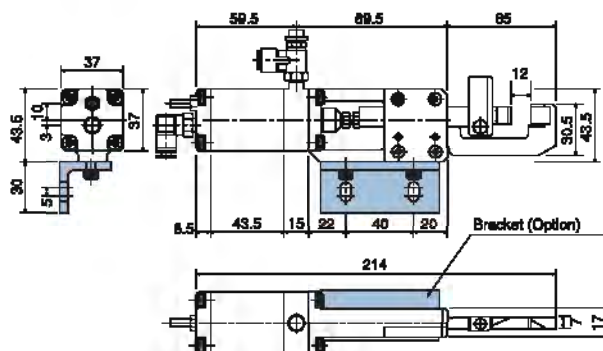


GT-NKH20AR-25 (Backward-facing blades)



GT-NKH10 Heat Air Nippers

Speed control of cut speed and heater temperature allows for variable cutting surface solutions for extremely high precision cutting demands.



Model No.	Cutting Capacity width X thickness (mm) Acrl	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Air Consumption (cm³/str.)	Piston Stroke (mm)	Weight (g)
GT-NKH10	7 X 1.5	200	4~5	73	12	715

• Included heater
• Included temperature sensor
• Air Pressure: 0.4~0.5MPa

Blades Specifications

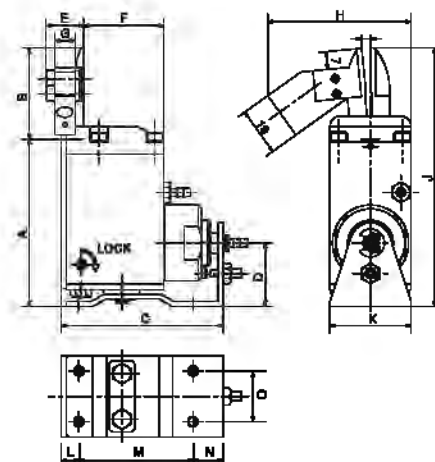
Model No.	Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
NKH10AJ/NKH10RAJ	Alloy Steel	Knife type (resin)	12	10	137

Option Parts • Temperature controller (DTC-001)

Heat Air Nippers

GT-NTH05/10 Heat Air Nippers (Sliding, Vertical-Type)

One blade is fixed in position, facilitating easy gate alignment. In addition, a slide function presses the product into position.



Model No.	Cutting Capacity φ (mm) Acrl	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/out)	Air Consumption (cm³/str.)	Slide Distance (mm)	Weight (g)	Dimensions (mm)															
							A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
GT-NTH05	2.5	200	4~5	47	0~3	325	66.1	36	64	25.1	15	31.5	8	56.5	3.5	102.1	32	7	45	12	20	M4
GT-NTH10	3.5	200	4~5	82	0~3	515	83	47	73	29	16.2	37.5	8	63	4.5	130	38	8	53	12	24	M4

- Included heater
- Included temperature sensor
- Air Pressure: 0.4~0.5MPa

Blades Specifications

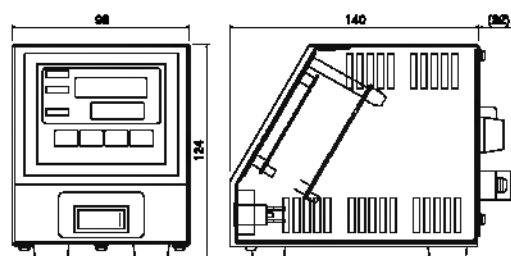
Model No.	Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
NTH05AJ	Special Alloy Steel	Nipper type (resin)	3.5	15	40
NTH10AJ	Special Alloy Steel	Nipper type (resin)	4.5	17	88

HTH type blade weight does not include heater and sensor.

Option Parts • Temperature controller (DTC-001)

DTC-001 Benchtop Temperature Controller

The heating element can be connected directly to the main unit, a useful feature that saves labor during wiring installation. Compact construction enables the unit to be easily carried, allowing for changing the work site at any time.



Please inform us of the product number of the heat nipper when placing an order.

Model No.	Temperature range Thermocouple K (°C)	Power supply (V)	Power consumption (with 100 VAC input)	Ambient temperature and humidity (°C)	Protection fuse	Weight (g)
DTC-001	0~200	AC100~240	Approx. 3W (Approx. 5VA) (With no load)	0~40 RH35~85% (No condensing)	One 1.5A fuse is incorporated.	900

※ Please ensure the input voltage in prior to operation as it is directly connected to the heater.
※ Two types of heaters are available for 100V and 240V.

Option Parts • Power supply cable : Model No. DTC-001-□□□

- ☒ : Cable for connection to the terminal block is necessary to be included.
☐ : (N/A) Cable not necessary.
- ☒ : 2m power cable w/ Japanese type plug (A-type)
☒ : 2m power cable w/ European type plug (C-type)
☐ : (N/A) Cable not necessary.

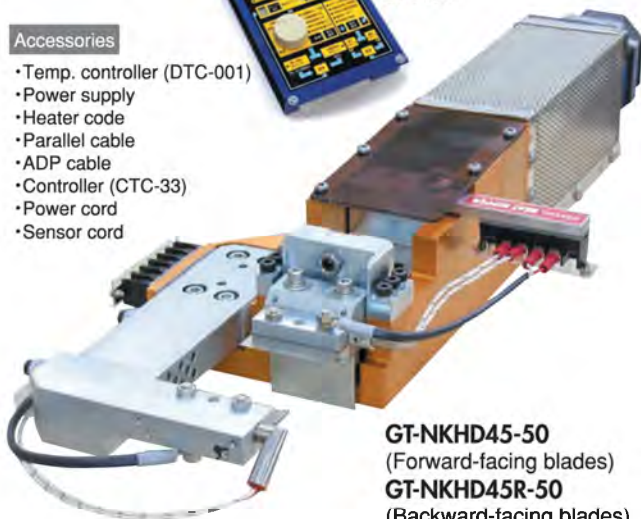
GT-NKHD20A/45 Servo Heat Nippers (With Motor Cylinder)

NKHD

Blade travel distance and speed can be easily programmed.
Servo motor control enables delicate blade feeds
and quiet gate cutting work.

Accessories

- Temp. controller (DTC-001)
- Power supply
- Heater code
- Parallel cable
- ADP cable
- Controller (CTC-33)
- Power cord
- Sensor cord

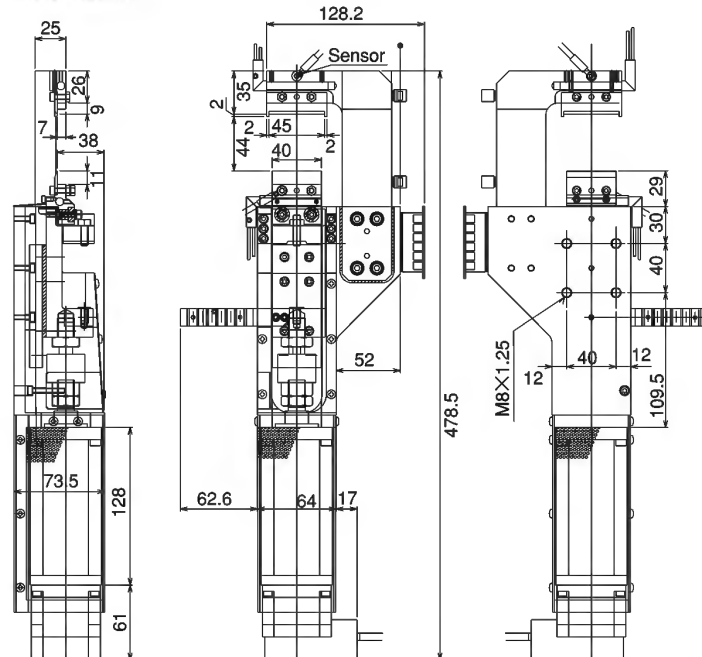


GT-NKHD45-50
(Forward-facing blades)
GT-NKHD45R-50
(Backward-facing blades)

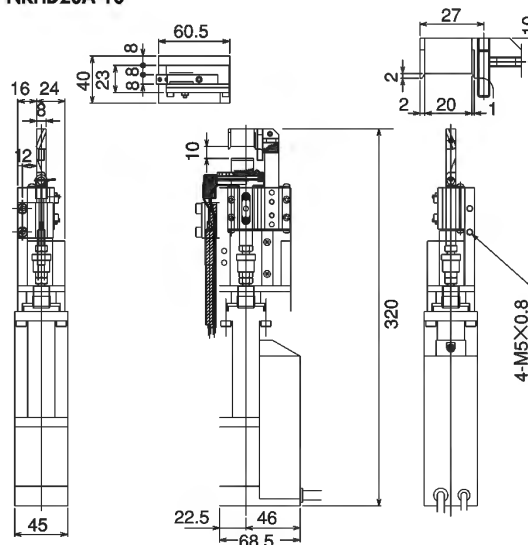


Small type for lens cutting
GT-NKHD20A-10
(Forward-facing blades)
GT-NKHD20AR-10
(Backward-facing blades)

GT-NKHD45-50



GT-NKHD20A-10



Model No.	Cutting Capacity width × thickness (mm) Acrl	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Blade Opening (mm)	Position Accuracy	Max. Thrust (N)	Max. Speed (mm/s)	Positioning Points (pts)	Power Supply Voltage	Current Consumption Power Control circuit	Weight (kg)
GT-NKHD45(R)-50	24 × 1.2	180	10	43	±0.1mm or less	500	100	16	DC24V±10%	3.0A 0.2A	5
GT-NKHD20A(R)-10	10 × 1.5	180	10	10	±0.1mm or less	100	400	16	DC24V±10%	2.0A	1.6

Option Parts •Temp. controller (DTC-001) •Power supply •Heater code •Parallel cable •ADP cable •Controller (CTC-33) •Power cord •Sensor cord

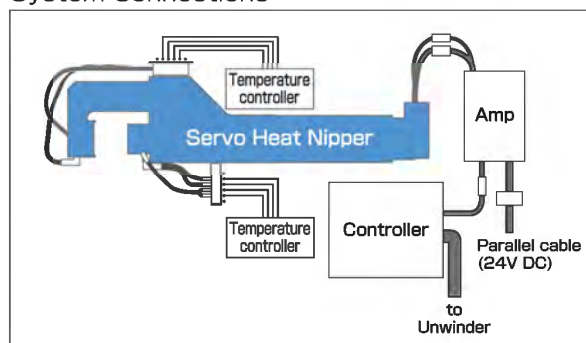
Features

Freely Settable Blade Travel Distance and Speed
Heating nippers that optimally uses the prime control features
of the servomotor.

Reduces Fusing, Cracking and Bad Cuts
Fine pitch feeding is possible, therefore cutting can be
performed at low temperature and low speed.

Stable Cutting
The blades are fed by servomotor control, therefore cutting
quality is stable.

System Connections



Air Nippers For Cutting and Crimping

A tough body for hard jobs.

Our air nippers are available in a frame diameter range of 23mm to 75mm and suitable for a broad spectrum of cutting and crimping work.



NM Blades

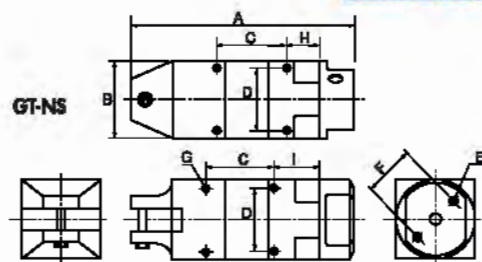
These springless nipper blades utilize magnetic repulsion to open the blades, enabling around-the-clock operations. This innovative solution eliminates the trouble of defective gate cuts.

GT-NS2/3/5/7/10L/20/30 Square Air Nippers

Blades are optional.

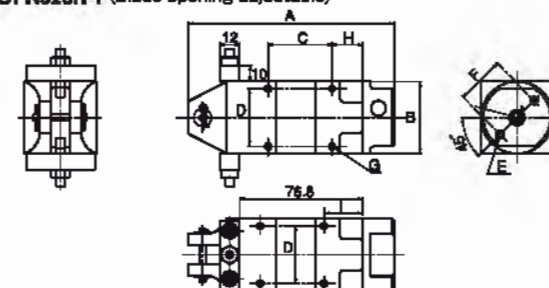
NS

VESSEL provides a generous selection of blades for all wire cutting needs, including resin product gate cuts and automatic welding equipment.



Customization

GT-NS20H-1 (Blade opening adjustable)



- The position of air intake port is 180-degree rotatable.
- Two air intake ports are provided, so they can be switched depending on the mounting place.

Capacity ϕ (mm)				Model No.		Size (mm)		Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
Soft Plastic	Hard Plastic	Copper	Steel			A	B				
				GT-NS2		109	20	35	0.4~0.5	85	Rc1/8
				GT-NS3		110	23	45	0.4~0.5	95	
				GT-NS5		94	30	64	0.4~0.5	135	
				GT-NS7		113	36	116	0.4~0.5	215	
				GT-NS10L		113	36	116	0.4~0.6	215	
				GT-NS20		129	45	230	0.5~0.6	370	
				GT-NS30		170	56	584	0.5~0.6	685	
				GT-NS20H-1		129	45	230	0.5~0.6	455	

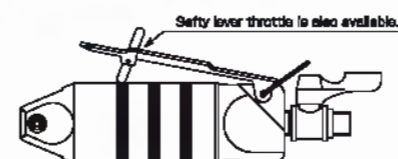
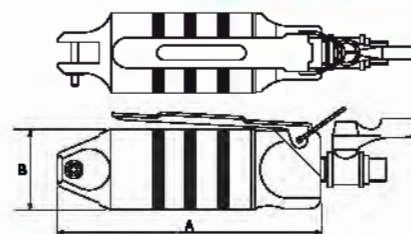
• Air hose inner dia. : 5mm • Overall length/Weight: Accessories not included.

GT-N3/5/7/10/12/20/30/50 Hand Held Air Nippers

Blades are optional.

N

VESSEL's special order blades provide solutions for a virtually unlimited range of needs, leading to safer, and more efficient work with less fatigue.



Safety lever throttle is also available.

- N20, N30 and N50 have the air cock.

Capacity ϕ (mm)				Model No.	Size (mm)		Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Body	Hose coupling
Soft Plastic	Hard Plastic	Copper	Steel		A	B					
				GT-N3	112	23	45	0.4~0.5	95	Rc1/8	R1/4
				GT-N5	103	30	64	0.4~0.5	135	Rc1/8	
				GT-N7	123	34	116	0.4~0.5	180	Rc1/4	
				GT-N10	132	34	116	0.4~0.5	185	Rc1/4	
				GT-N12	142	36	116	0.5~0.6	210	Rc1/4	
				GT-N20	156	45	230	0.5~0.6	375	Rc1/4	
				GT-N30	193	56	584	0.5~0.6	625	Rc1/4	
				GT-N50	237	75	1,170	0.5~0.6	1,220	Rc1/4	

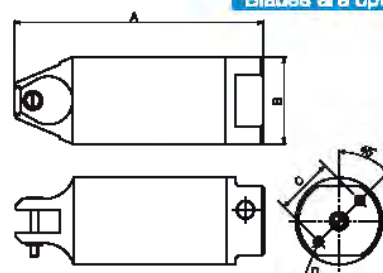
• Hose coupling: R1/4 • Air hose inner dia. : 5mm • Overall length: Accessories, Hunger not included. • Weight: Accessories not included.

Air Nippers

GT-NR3/5/7/10L/20/30/50 Air Nipper Round-Type without Lever

Blades are optional.

NR



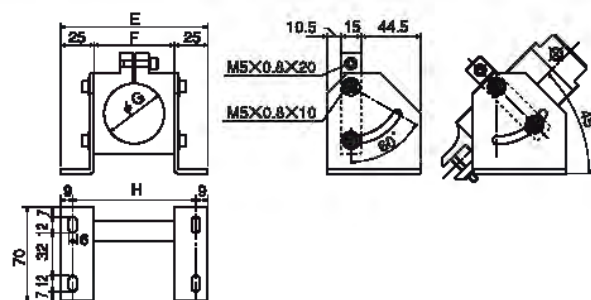
- The position of air intake port is 180-degree rotatable.
- Two air intake ports are provided, so they can be switched depending on the mounting place.

Soft Plastic	Hard Plastic	Copper	Steel	Model No.	Size (mm)				Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
					A	B	C	D				
2.0	1.0	0.5		GT-NR3	110	23	17	M3 Depth8	45	0.4~0.5	70	Rc1/8
2.0	1.0	0.5		GT-NR5	94	30	20	M4 Depth10	64	0.4~0.5	110	
3.0	2.0	1.0		GT-NR7	113	34	22	M4 Depth10	116	0.4~0.5	150	
4.0	2.6	1.8		GT-NR10L	113	36	24	M4 Depth10	116	0.4~0.6	215	
7.0	5.0	2.6	2.0	GT-NR20	129	45	30	M5 Depth12	230	0.5~0.6	280	
10.0	6.5	3.3	2.8	GT-NR30	165	56	40	M6 Depth12	584	0.5~0.6	505	
12.0	6.5	5.5	4.5	GT-NR50	222	75	50	M8 Depth12	1,170	0.5~0.6	1,190	

• Air hose inner dia. : 5mm • Overall length/Weight: Accessories not included.

Stand

Model No.	E	Size (mm)			Weight (g)
		F	G	H	
NR10LST	102	52	36	84	335
NR20ST	110	60	45	92	385
NR30ST	130	80	56	112	535
NR50ST <small>Option</small>	150	100	75	132	835



P-10L/20/30/50 Extra Pressure Boosters

P

This unit is to be used in case the originally required pressure is not obtainable by the limit of space and air pressure.



Capacity ϕ (mm)				Applicable Model	Model No.	Size (mm)		Air Consumption (cm ³ /str.)	Air Pressure	Weight (g)
Soft Plastic	Hard Plastic	Copper	Steel			A	B			
5.0	4.0	2.6	1.6	NS10L, NR10L, N12	P-10L	71	36	223	Up to 0.4MPa	115
8.0	6.0	3.0	2.2	N20, NS20, NR20	P-20	87	45	508	Up to 0.5MPa	215
13.0	7.0	4.8	4.0	N30, NS30, NR30	P-30	92	56	956	Up to 0.5MPa	330
		6.5	5.5	N50, NR50	P-50	133	75	2,670	Up to 0.5MPa	840

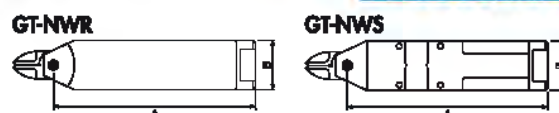
• Above figures of overall length and the weight are defined for the extra booster specs only. And these figures in the installation.

GT-NWR1/10/20/30 GT-NWS1/10/20 Double Action Air Nippers

Patented

Blades are optional.

NWR • NWS



Blade opening and closing is air piston driven.
Having no spring mechanism in the main unit facilitates maintenance operations.



Model No.	Capacity ϕ (mm)			Air Consumption (cm ³ /str.)	Applied Pressure (N)	Air Pressure (MPa)	Size (mm)		Weight (g)
	Copper	Steel	ABS Plastic				A	B	
Double Action Air Scissors (Round Type without Lever)									
GT-NWR1	1.0	0.5	2.0	45	294	0.4~0.5	95	ϕ 20	116
GT-NWR10	1.8	1.2	4.0	116	588	0.4~0.5	146	ϕ 36	280
GT-NWR20	2.6	2.0	6.5	230	1,372	0.5~0.6	165	ϕ 45	523
GT-NWR30	3.3	2.8	9.5	584	2,744	0.5~0.6	216	ϕ 56	980
Double Action Air Scissors (Square Type)									
GT-NWS1	1.0	0.5	2.0	45	294	0.4~0.5	95	23X20	116
GT-NWS10	1.8	1.2	4.0	116	588	0.4~0.5	146	36X36	356
GT-NWS20	2.6	2.0	6.5	230	1,372	0.5~0.6	165	45X45	610

GT-NB20/30/20LW/30LW Slide-Off Air Nipper Bracket-Type

NB

VESSEL has achieved smooth, continuous slide movement even for large diameter gate cuts, which produce a large shock at each cut.



GT-NB20LW-10TM

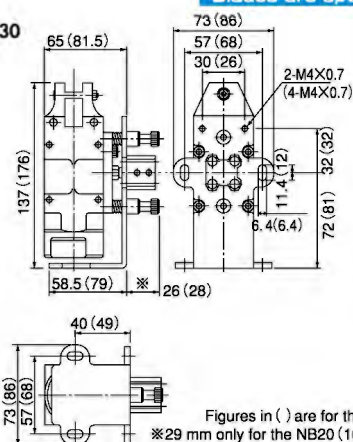


GT-NB20

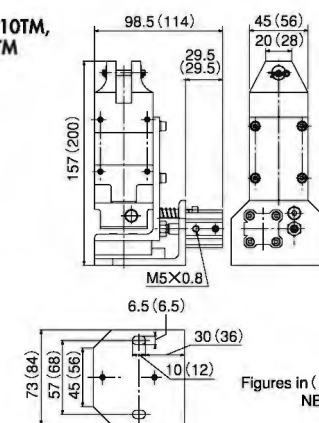
Model No.	Slide Direction/ Distance (mm)	Weight (g)
GT-NB20 (5-OSHI)	Push 0~5	755
GT-NB20 (5-HIKU)	Pull 0~5	755
GT-NB20 (10-OSHI)	Push 0~10	755
GT-NB20 (10-HIKU)	Pull 0~10	755
GT-NB30 (10-HIKU)	Pull 0~10	1,435
GT-NB20LW-10TM	Pull 0~10	785
GT-NB30LW-10TM	Pull 0~10	1,315
GT-NB20LW-10SM	Push 0~10	785
GT-NB30LW-10SM	Push 0~10	1,315

Blades are optional.

GT-NB20,NB30



Figures in () are for the NB30.
※29 mm only for the NB20 (10-HIKU)

GT-NB20LW-10TM,
NB30LW-10TM

Figures in () are for the
NB30LW-10TM.
Unit : mm

NM Blades

Patented

NM

NM blades eliminate trouble caused by Spring breakage.
Compliant with your VESSEL current air nippers.
Spring replacement is no longer required as the neodymium magnet works semi-permanently.



Powerful neodymium magnet

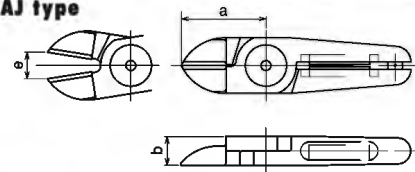
CAUTION

Powerful magnet is used.

Specifications

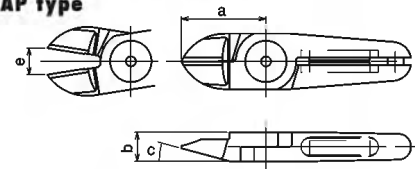
Straight and Thin / For plastic parts

AJ type



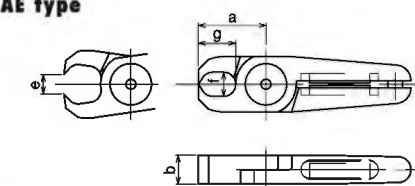
Angled / For plastic parts

AP type



Cutting-off / For plastic parts

AE type



Capacity ϕ (mm)	Soft Plastic	Hard Plastic	Applicable Nippers	Model No.	Size (mm)					Weight (g)
					a	b	c(*)	d	e	
7.0	5.0		GT-N20	NM20AJ	35	12		18.0	11.0	116
7.0	5.0		GT-N520	NM20AP	35	12	15	16.0	11.0	124
7.0	5.0		GT-NR20	NM20AE	28	12		12.0	8.0	129
10.0	6.5		GT-N30	NM30AJ	52	17		28.0	11.0	360
10.0	6.5		GT-N530	NM30AP	66	17	15	38.0	16.0	380
10.0	6.5		GT-NR30	NM30AE	45	17		17.0	12.0	358

※Customization also available upon request.

Blades For Air Nipper

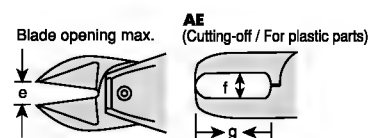
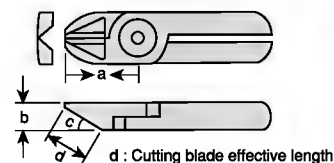
Blade Type

No. **N10L A S**

Air Nipper
Applicable model

Blade shape

- AS** : Standard
- HS** : Standard (High Speed Steel)
- AG** : Strong Cutting
- ACD** : Crimping
- BJ** : Straight
- BFB** : Clipper (Sinterd Alloy)
- BBB** : Strong Cutting (Sinterd Alloy)
- AP** : Plastic, Standard
- AJ** : Plastic, Straight Thin
- PF** : Plastic, Flat Cutting
- AJL** : Plastic, Straight Long
- AE** : Plastic, Cutting-off
- AJB** : Plastic, Straight (Sinterd Alloy)
- AH** : Plastic, Crank
- AML** : Plastic, Leftward cutting
- AMR** : Plastic, Rightward cutting



※Material (Cutting Blade)

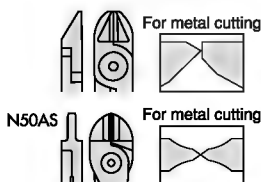
■ Sintered Alloy

Hardest, most durable material.
For cutting hard steel wire, glass
fiber-reinforced resin, etc.

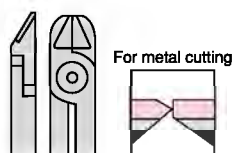
■ High Speed Steel

When more durability than special
steel alloy is needed, such
as to cut piano wire.

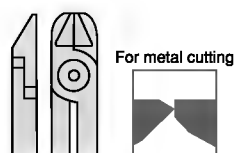
AS Standard type Ordinary blades for cutting copper wire and steel wire.



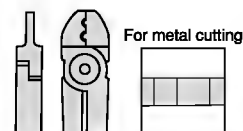
HS High speed steel brazed for durability.



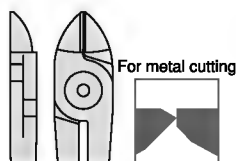
AG Shorter than the standard type for greater strength.



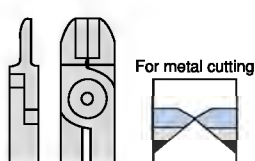
ACD For crimping.



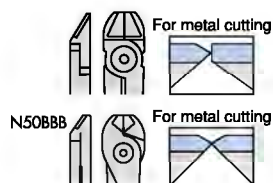
BJ Only one blade is edged for cutting metal wires.



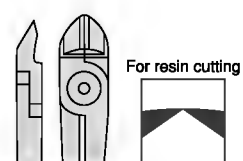
BFB Clipper type blades with ultra hard carbide tips.



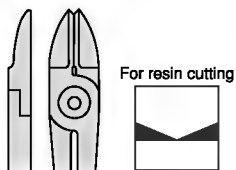
BBB These blades have ultra hard carbide tips.



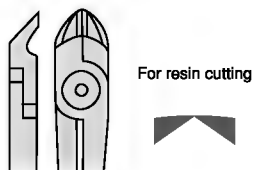
AP Standard blades used for cutting resin.



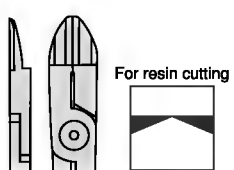
AJ Vertical blades whose cutting edges are not angled.



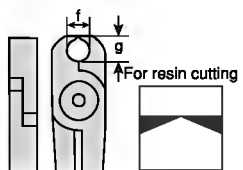
PF These blades produce a flat cut, and are used for cutting resin.



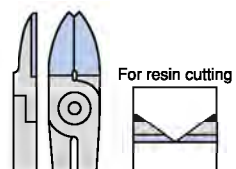
AJL In case there is a long distance between nipper body and gate.



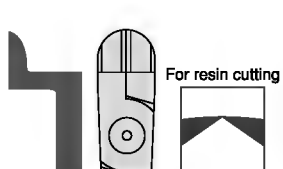
AE For many gate treatments such as over-fit gate, modified gate, etc.



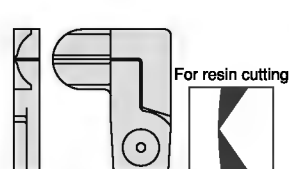
AJB Carbide tipped blades suitable for cutting hard resin.



AH Cramped blades for resin cutting.



AML These blades have a 90° angle to the left and are used for cutting resin.



AMR These blades have a 90° angle to the right and are used for cutting resin.



Specification chart for standard blades



Capacity					Applicable Nippers		Model No.		a	b	c(°)	Size (mm)		f×g	Weight (g)
Soft Plastic	Hard Plastic	Copper	Steel	Piano Wire			Body	Shape				d	e		
		1.0	0.5		GT-N3, NS3, NR3 GT-NS2 (N3BJ only)		N3	AS	24	7	25	12.0	4.0		35
		1.0	0.5	0.2			N3	HS	24	7	25	12.0	4.0		35
2.0							N3	AP	24	7	15	11.5	4.0		35
2.0							N3	AE	20	7		7.0	3.5	6×6.6	35
		1.0	0.5				N3	BJ	24	7		13.0	5.0		35
		1.0	0.5		GT-N5 GT-NS5 GT-NR5		N5	AS	24	7	25	12.0	4.0		40
		1.0	0.5	0.3			N5	HS	24	7	25	12.0	4.0		40
2.0							N5	AP	24	7	15	11.5	4.0		40
2.0							N5	AE	20	7		7.0	3.5	6×6.6	40
		1.0	0.5				N5	BJ	24	7		13.0	4.0		40
		1.6	1.0		GT-N7 GT-NS7 GT-NR7		N7	AS	27	9	30	13.5	4.0		80
		1.6	1.0	0.5			N7	HS	27	9	30	13.5	4.0		80
3.0	2.0						N7	AP	27	9	30	13.0	4.0		80
3.0	2.0						N7	PF	27	9	40	10.5	4.0		80
3.0	2.0						N7	AE	26	9		9.0	4.0	8×8.8	85
		1.6	1.0				N7	BJ	27	9		13.0	5.0		75
		1.8	1.2		GT-N10		N10	AS	27	9	30	13.5	5.0		85
		1.8	1.2	0.5			N10	HS	27	9	30	13.5	5.0		85
4.0	2.6						N10	AP	27	9	30	11.5	5.0		85
		1.8	1.2		GT-NS10L GT-NR10L		N10L	AS	35	12	30	20.0	5.0		120
4.0	2.6						N10L	AP	35	12	15	16.0	5.0		120
4.0	2.6						N10L	PF	35	12	40	13.5	5.0		120
		2.3	1.7		GT-N12		N12	AS	35	12	30	20.0	5.0		135
		2.3	1.7	0.6			N12	HS	35	12	30	20.0	5.0		135
4.5	4.0						N12	AP	35	12	15	16.0	5.0		135
		2.6	2.0		GT-NS20 GT-NR20 GT-N20		N20	AS	35	12	30	20.0	9.0		140
		2.6	2.0	1.0			N20	HS	26	12	40	10.0	7.0		135
		2.6	2.0				N20	AG	28	12	40	12.0	7.0		135
7.0	5.0						N20	AP	35	12	15	16.0	11.0		125
7.0	5.0						N20	AJ	35	12		18.0	11.0		125
6.0	4.0						N20	AJL	65	12		20.0	16.0		230
		5.0					N20	AJB	35	12		18.0	11.0		125
7.0	5.0						N20	PF	35	12	40	13.5	11.0		130
7.0	5.0						N20	AE	28	12		12.0	8.0	10×15.5	135
		2.6	2.0	1.2			N20	BFB	35	12		17.0	8.0		150
6.0							N20	AH	60	12		23.0	16.0		240
10×1.5	8×1						N20	AML	55	12		26.0	9.5		270
10×1.5	8×1						N20	AMR	55	12		26.0	9.5		270
		3.3	2.8		GT-NS30 GT-NR30 GT-N30		N30	AS	43	17	30	25.0	9.0		370
		3.3	2.8	1.2			N30	BBB	36	17	40	18.0	7.0		365
10.0	6.5						N30	AP	66	17	15	38.0	16.0		380
10.0	6.5						N30	AJ	52	17		28.0	11.0		370
8.0	5.0						N30	AJL	75	17		25.0	19.0		470
10.0	6.5						N30	PF	58	17	30	25.0	15.0		390
10.0	6.5						N30	AE	45	17		17.0	12.0	13×28	395
(1.25mm Bare Terminal)							N30	ACD	40	17					335
		5.5	4.5		GT-NR50/GT-N50		N50	AS	60	25		30.0	11.0		950
		5.5	4.5	2.0			N50	BBB	46	25	35	19.0	9.0		955

For Double Action Air Nipper

		1.0	0.5		GT-NWR1/GT-NWS1	NW1	BJ	20				10.5	3.5		16
		4.0			GT-NWR10/NWS10	NW10	AJ	30				14.0	5.0		76
		1.8	1.2			NW10	BJ	30				14.0	5.0		76
		6.5			GT-NWR20/NWS20	NW20	AJ	40				21.5	8.0		142
		2.6	2.0			NW20	BJ	40				21.5	8.0		142
		9.5			GT-NWR30	NW30	AJ	55				29.5	11.0		368
		3.3	2.8			NW30	BJ	55				29.5	11.0		368

•Capacity is listed as instant reference and depends on operation conditions. •Weight includes the blade spring. •Steel wires: Not heat treated. •Piano wires: Hardness lower than HV320
•The cutting capacity of N20AML and N20AMR is thickness.

Air Scissors

GT-H12K/H30/H120K/HS30 Air Scissors

H

Two types of blades, standard and micro-edge, are available for use in accordance with the demands of each specific job.



Serrated micro edge



GT-H12K Small lightweight type
with one fixed blade



GT-H30



GT-HS30



GT-H120K With one fixed blade

Model No.	Capacity (max) (mm)	Air Consumption (cm ³ /str.)	Applied Pressure (MPa)	Overall Length (with Blade) (mm)	Weight (with Blade) (g)
GT-H30	Kevlar t=1	584	0.3	280	1,030
GT-H12K	Kevlar t=0.3	116	0.2	186.2	290
GT-H120K	Band steel 1.5×0.5t	116	0.5~0.6	211	340
GT-H530	Kevlar t=1	584	0.3	260	970

•Hose coupling: R 1/4(Body Rc 1/8) •Air hose inner dia. : 5mm

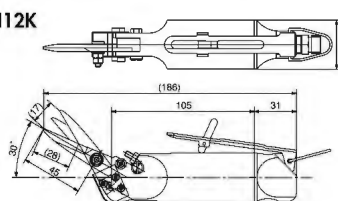
- Overall length/Weight: Accessories not included.

• Total length and weight of the GT-HS30 and HS30 are given with the H30ME blade mounted.

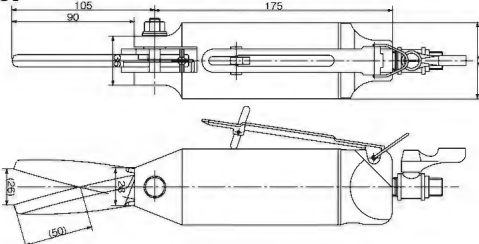
Blades specifications

Model No.	Applicable Nippers	Blade Shape	Blade Aperture (mm)	Effective Blade Cutting Length (mm)	Weight (g)
H30ME	H30,	Scissors type	26	50	280
H30MEL	HS30	Serrated micro edge	34	67	285
H12ME30K	H12K		17	28	56
H120SK	H120K	Scissors type	15	38	115

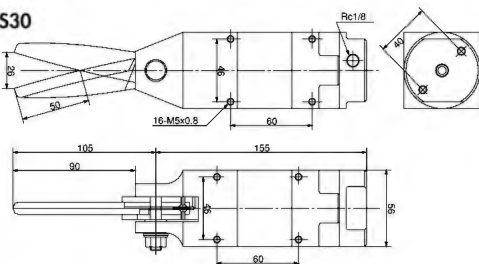
GT-H12K



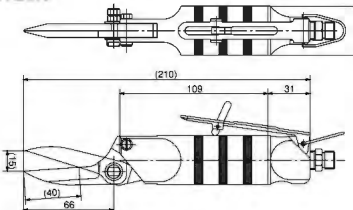
GT-H30



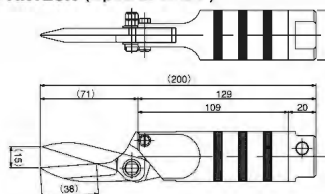
GT-HS30



GT-H120K



GT-HR120K (Special Order)



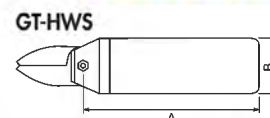
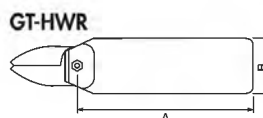
GT-HWR1/10 GT-HWS1/10 Double Action Air Scissors

Patented

Blades are optional.

HWR · HWS

Blade opening and closing is air piston driven.
Having no spring mechanism in the main unit facilitates maintenance operations.



Model No.	Capacity ϕ (mm)		Air Consumption	Applied Pressure	Air Pressure	A	B	Weight
	Copper	Steel	(cm ³ /Str.)	(N)	(MPa)	(mm)	(mm)	(g)
Double Action Air Scissors (Round Type without Lever)								
GT-HWR1	1.0	0.5	45	294	0.4~0.5	95	20	84
GT-HWR10	1.8	1.2	116	588	0.4~0.5	146	36	295
Double Action Air Scissors (Square Type)								
GT-HWS1	1.0	0.5	45	294	0.4~0.5	95	23×20	116
GT-HWS10	1.8	1.2	116	588	0.4~0.5	146	36	356

Applicable Blade Specifications

Model No.		Blade Opening (mm)	Cutting blade effective length (mm)	A (mm)	Weight (g)
For GT-HWR1/HWS1					
HW1J		3.0	10	25	16
For GT-HWS10					
HW10J		5.0	28	40	76

Blade Type

Vessel customizes blades for a wide variety of uses.

Custom-made blades are available at low cost, speedy delivery and guaranteed flexible adaptation to a wide range of work.

See the examples below. We accept orders for small quantity as well.

No. **NY10 A E H 15**

Mounting body

Blade shape

Blade edge

Drawing registered No.

Material
Only when special material is used
H→High-speed steel
B→Carbide

A: For plastic
B: For metal
C: Crimping
D: Other ?

A Angled

B Angled

C Crimping

D Mounted gate

E Disposable gate treatment

F Power cutting

G Punching

H Crankshaft

I Pliers type

J(JL) Long blade for plastic
Straight Long blade

K L-shaped
(disposable gate treatment)

L L-shaped

M/XL/XR Side opening blades

TN Tube cutting

VO Nail pulling

DI Bending

VHA Scissors

Cutting of stranded wire

Film gate

Direct gate

AHE Pin gate treatment
...Treatment of small gates which should be automatically cut at de-gating.

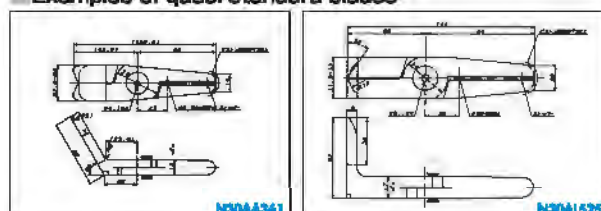
AHW Double blades

NH Double heating blades

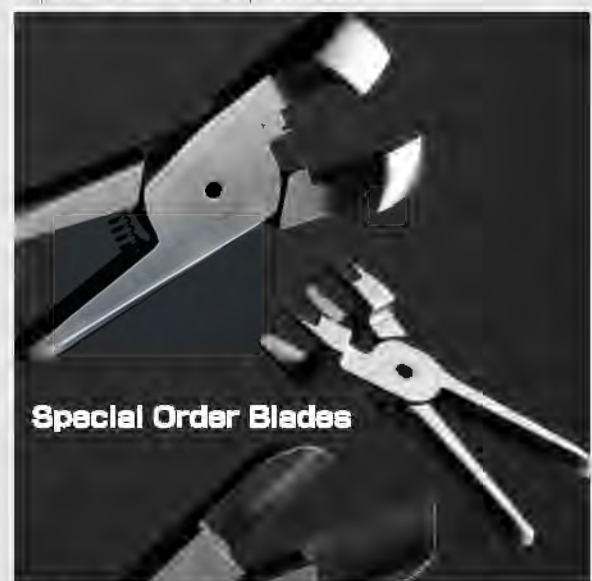
A portion of our specially shaped blades normally manufactured as special-order items are kept available as quasi-standard items. Please refer to our home page for dimensional diagrams.

▶ <http://www.vessel.co.jp/english/airnipper/>

Examples of quasi-standard blades



ONE POINT



Special Order Blades

With as many as 30 separate production processes, VESSEL painstakingly manufactures each and every blade in accordance with the needs of our customers. VESSEL blades are based on a philosophy of manufacturing that can be summed up as "Specialization is our specialty."

Air Dusters/ Air Tool Supplies

Three types of bodies are available to meet the needs of a variety of uses. The amalgamation of materials with ergonomic design has resulted in easy-to-use products for all types of blowing and drying work.

Air Duster AD-4 Patented

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.

"The Penguin" A superior, straight body that is ideal for line work. The ABS resin body is highly resistant to oil, chemical, and shock. With no need to change hands, work can begin immediately after taking up the unit.

Fine control of air volume is possible with a pistol design. Extremely light body. The large operating lever enables 4-finger control for the fine strokes needed for delicate blowing and drying work.

No. AD-4 Air Duster

Patented



Model No.	Nozzle Shape	Nozzle Inner Dia. (mm)	Air Consumption (ℓ/min)	Overall Length (mm)	Weight (g)	Air Hose Connection	Card/ Box Size (mm)	JAN code (4907587)	Outer Ctn.
AD-4 N	Standard Nozzle	2	180	125	245	Coupling	In paper box 110X173	027078	20
AD-4 N-PB	Standard Nozzle	2	180	125	245	Coupling	185X160	027085	10
AD-4 N-PT	Standard Nozzle	2	180	125	245	1/4 Hose	185X160	027092	10
AD-4 J	Adjustment Nozzle	2	150	130	245	Coupling	In paper box 110X173	027108	20
AD-4 J-PB	Adjustment Nozzle	2	150	130	245	Coupling	185X160	027115	10
AD-4 J-PT	Adjustment Nozzle	2	150	130	245	1/4 Hose	185X160	027122	10
AD-4 M	High Volume Nozzle	2X1pc. 0.8X4 pcs.	240	125	228	Coupling	In paper box 110X173	027313	20
AD-4 B	Brushing Nozzle	2	180	170	248	Coupling	In paper box 115X220	027306	10

•Power source: compressed air •Working air pressure: 0.5 MPa •Max. working pressure: 0.7 MPa •Working temperature range: 0-60°C (32-140°F)
•Working air hose I.D.: more than $\phi 4$ mm •Overall length / weight: Air coupler included.

Interchangeable Nozzle (for AD-4/ AD-4 B)

Inlet: G1/8

Long Nozzle

Air Flow Volume Adjustment Long Nozzle

Blender Nozzle

Ideal for narrow spaces

Flexible Nozzle

Bendable shaft

Plastic Nozzle

Safe and dent-free

Interchangeable brush

Long Nozzle

Model No.	Inner Dia. (mm)	Outer Dia. (mm)	Length (mm)	JAN code (4907587)	Inner Ctn.
LN-150	2.5	5	150	027160	10
LN-200	2.5	5	200	027177	10
LN-300	2.5	5	300	027184	10
LN-500	2.5	5	500	027191	10

Flexible Nozzle Shaft

Model No.	Inner Dia. (mm)	Outer Dia. (mm)	Length (mm)	JAN code (4907587)	Inner Ctn.
LF-150	2.3	7	150	027269	10
LF-200	2.3	7	200	027276	10
LF-300	2.3	7	300	027283	10
LF-700	2.3	7	700	027290	10

Air Flow Volume Adjustment Long Nozzle

LJ-150	2.5	5	150	027207	10
LJ-200	2.5	5	200	027214	10
LJ-300	2.5	5	300	027221	10
LJ-500	2.5	5	500	027238	10

Plastic Nozzle

SP-0	2.0	7.5	21	027153	10
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Interchangeable Brush (for AD-4B)

Model No.	Length (mm)	Outer Dia. (mm)	Length (mm)	JAN code (4907587)	Inner Ctn.
SB-50	60	35	68	027320	5

Slender Nozzle

LS-2-100	0.9	2	100	027245	10
LS-3-100	1.6	3	100	027252	10

No. AD-3 Ergo Handle Air Blow Gun

Patented

*Nozzle cannot be replaced.



Model No.	Nozzle Shape	Nozzle Length (mm)	Nozzle Inner Dia. (mm)	Air Consumption (ℓ/min)	Overall Length (mm)	Weight (g)	Air Hose Connection	Card Size (mm)	JAN code (4907587)	Inner Ctn.: 10
AD-3 S-PB	Safety Nozzle	—	3	230	174	96	Coupling	195X100	027016	
AD-3 S-PT	Safety Nozzle	—	3	230	177	90	1/4 Hose	195X100	027023	
AD-3 100A-PB	Long Nozzle	100	2	190	242	108	Coupling	235X100	027030	
AD-3 100A-PT	Long Nozzle	100	2	190	245	102	1/4 Hose	235X100	027047	

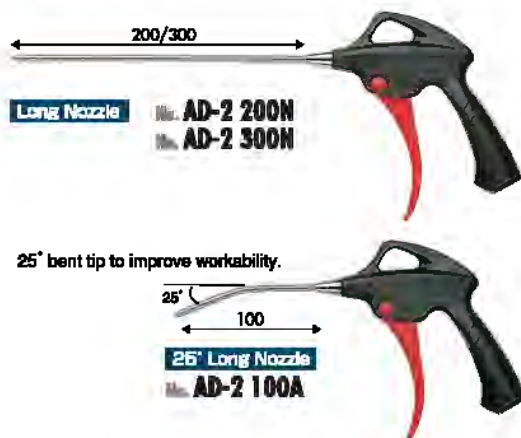
•Power source: compressed air •Working air pressure: 0.6MPa •Max. working pressure: 0.97 MPa •Working temperature range: 0-60°C (32-140°F)
•Working air hose I.D.: more than $\phi 4$ mm •Overall length / weight: Air coupler included.

Air Dusters



AD-2 Air Blow Gun

For Dusting and Drying Wet Paint



Soft Rubber Adapter

Used to blow dust and dirt from fragile molds, coated surfaces, inside pipes, etc.



Safe & Soft Blowing

Widely spreads air safe and quiet.



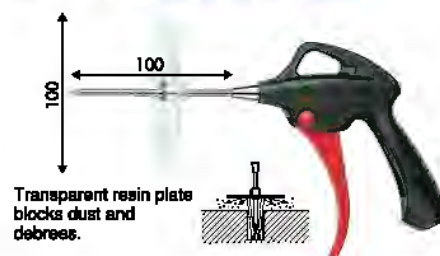
Low Pressured but for Large Air flow

AD-2 0M High Volume Nozzle



Prevents Dust and Articles Reflected

AD-2 100P Chip Shield Long Nozzle



AD-2 0C Air Screen Nozzle



Model No.	Nozzle Shape	Nozzle Length (mm)	Nozzle Inner Dia. (mm)	Air Consumption (ℓ/min)	Overall Length (mm)	Weight (g)	Card/ Box Size (mm)	JAN code (4907587)	Outer Ctn.
AD-2 0N	Standard Nozzle	0	2.1	135	145	122	152×232	017604	10
AD-2 0N-PB	Standard Nozzle (with plug)	0	2.1	135	155	146	152×232	017680	10
AD-2 100N	Long Nozzle	100	2.1	135	242	131	182×232	017611	10
AD-2 100N-PB	Long Nozzle (with plug)	100	2.1	135	252	157	182×232	017697	10
AD-2 200N	Long Nozzle	200	2.1	135	342	141	in paper box 140×445	017673	1
AD-2 300N	Long Nozzle	300	2.1	135	442	150	in paper box 140×455	017628	1
AD-2 100A	25° Long Nozzle	100	2.1	135	242	131	182×232	017635	10
AD-2 0R	Rubber Tip Nozzle	0	2.1	115	155.5	123	152×232	017659	10
AD-2 100R	Rubber Tip Long Nozzle	100	2.1	115	227	147	182×232	017666	10
AD-2 0S	Safety Bypass nozzle	0	2.1	105	155.5	131	152×232	017727	10
AD-2 100S	Safety Bypass long nozzle	100	2.1	105	239.5	151	182×232	017734	10
AD-2 100P	Chip Shield Long Nozzle	100	2.1	135	242	157	182×232	017642	10
AD-2 0M	High Volume Nozzle	0	10	185	160	126	152×232	017703	10
AD-2 0C	Air Screen Nozzle	0	2.8	260	145	127	152×232	017710	10

• Power source: compressed air • Max. working pressure: 0.97 MPa • Working temperature range: 0-60°C (32-140°F)

• Air inlet screw diameter: Rc 1/4 • Working air hose I.D.: more than φ4 mm • Air pressure when air consumption is measured: 0.49 MPa

• Pre-packed (200N, 300N in paper box)

*Nozzle can not be replaced.

Easy contact by just plug in with lock up function. Large influx type for max. performance of air tools.
New concept couplings for efficiency and safety.

One-Touch Lock Concent B Type



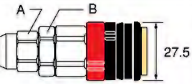

Patented

※Minimal cross-sectional area: Smallest cross-sectional area in the connected medium route.



Socket

Inner Ctn.: 5 Outer Ctn.: 50

For female screw connection (tapered screw)		Model No.	Overall Length (mm)	A (mm)	ℓ (mm)	Minimal Cross-sectional Area (mm ²)	Weight (g)	Application
		BLSB-3	66	21	14	44	93	Rc3/8
For male screw connection (tapered screw)		Model No.	Overall Length (mm)	A (mm)	ℓ (mm)	Minimal Cross-sectional Area (mm ²)	Weight (g)	Application
		BLSN-3	61	21	9.7	44	90	R3/8
		BLSN-4	65.5	26	12.7	44	120	R1/2
For Urethane hose connection		Model No.	Overall Length (mm)	A (mm)	B (mm)	Minimal Cross-sectional Area (mm ²)	Weight (g)	Application Hose I.D × O.D. (mm)
		BLSH-5	68	14	21	16	92	5.0× 8.0
		BLSH-8	72	19	21	42	108	8.0×12.0
For Urethane hose connection		Model No.	Overall Length (mm)	A (mm)	B (mm)	Minimal Cross-sectional Area (mm ²)	Weight (g)	Application Hose I.D × O.D. (mm)
Rotary concent prevents warping of air hose.		BLSF-6.5	80	17	19	28	131	6.5×10.0
		BLSF-8.5	83	19	21	44	151	8.5×12.5

All types of plugs for concent B type and nut concent B type are interchangeable.

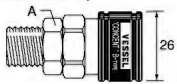

Concent B Type

Paired as follows (example)




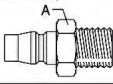
Socket

Inner Ctn.: 5 Outer Ctn.: 50

For female screw connection (tapered screw)	Model No.	Overall Length (mm)	A (mm)	Application
	BSB-2	51	19	Rc1/4
For male screw connection (tapered screw)	Model No.	Overall Length (mm)	A (mm)	Application
	BSN-3	47	21	R3/8

Plug

Inner Ctn.: 10 Outer Ctn.: 100
(BPT-4, BPB-4, BPN-4... Inner Ctn.: 5 Outer Ctn.: 50)

For hose connection	Model No.	Overall Length (mm)	A (mm)	Application
	BPT-2	50	15	For 1/4 hose
	BPT-3	53	15	For 3/8 hose
	BPT-4	56	20	For 1/2 hose
For female screw connection (tapered screw)	Model No.	Overall Length (mm)	A (mm)	Application
	BPB-2	40	14	Rc 1/4
	BPB-4	46	23	Rc 1/2

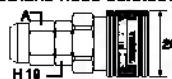
Air Couplings

Nut Concent B Type



Socket

For Urethane hose connection



Model No.	Overall Length (mm)	A (mm)	Application Hose I.D X O.D. (mm)
BSH-5	58	19	8.0X12.0
BSH-5.5	58	19	8.5X12.5

Inner Ctn.: 5 Outer Ctn.: 50

Plug

For Urethane hose connection



Model No.	Overall Length (mm)	A (mm)	Application Hose I.D X O.D. (mm)
BPH-5	43	14	5.0X 8.0
BPH-6	45.5	17	6.0X 9.0

Inner Ctn.: 10 Outer Ctn.: 100

Rotary Concent B Type



Socket

For Urethane hose connection



Model No.	Overall Length (mm)	A (mm)	B (mm)	Application Hose I.D X O.D. (mm)
BSF-6.5	70.5	17	19	6.5X10.0

Inner Ctn.: 5 Outer Ctn.: 50

Air Couplings carded type



One-Touch Lock Concent B Type

Outer Ctn.: 10

Model No.	Application	Card Size (mm)	JAN code (4907587)
BLST03	For hose connection For 3/8 hose	125X65X32	365439
BLSH05	For Urethane hose connection hose I.D. 5.0XO.D. 8.0mm	125X65X32	365750
BLSH08	For Urethane hose connection hose I.D. 8.0XO.D. 12.0mm	125X65X32	365781
BLSH05	For Urethane hose connection hose I.D. 8.5XO.D. 12.5mm	125X65X32	365798
BLSF05	For Urethane hose connection hose I.D. 8.5XO.D. 12.5mm	125X65X32	365989

Concent B Type

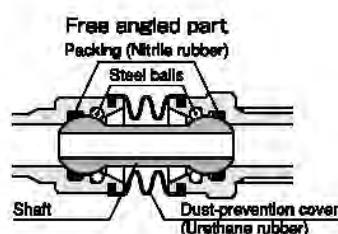
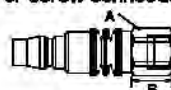
Outer Ctn.: 10

Model No.	Application	Card Size (mm)	JAN code (4907587)
BPT002	For hose connection For 1/4 hose	105X60X32	366023
BPT003	For hose connection For 3/8 hose	105X60X32	366030
BPN002	For female screw connection Rc 1/4	105X60X32	366122
BPN003	For male screw connection R 3/8	105X60X32	366238
BPN02F	For male screw connection G1/4	105X60X32	366429
BPH005	Hose I.D. 5.0XO.D. 8.0mm	105X60X32	366351
BPH006	Hose I.D. 6.0XO.D. 9.0mm	105X60X32	366368
BPH008	Hose I.D. 8.0XO.D. 12.0mm	105X60X32	366382

Free Angle Concent B Type



For screw connection



Plug

Inner Ctn.: 5

Model No.	Overall Length (mm)	A (mm)	B (mm)	Application
FPN-2F	61.7	17	15.5	G 1/4 male screw

Air Couplings carded type



Model No.	Application	Card Size (mm)	JAN code (4907587)
FPN02F	G1/4	150X67X30	366788

Outer Ctn.: 10

ONE POINT

Types of pipe thread

Parallel thread	Tapered male screw	Tapered female screw	Pitch (Threads per inch)	O.D. of male thread	I.D. of female thread
G1/8(PF1/8)	R1/8(PT1/8)	Rc1/8(PT1/8)	28	9.728	8.566
G1/4(PF1/4)	R1/4(PT1/4)	Rc1/4(PT1/4)	19	13.157	11.445
G3/8(PF3/8)	R3/8(PT3/8)	Rc3/8(PT3/8)	49	16.662	14.950
G1/2(PF1/2)	R1/2(PT1/2)	Rc1/2(PT1/2)	14	20.955	18.631mm

Air Regulator



AR-2

Model No.	Overall Length (mm)	Weight (g)	Max. Working Pressure (MPa)	Screw size (female screw) X (male screw)
AR-2	50	90	0.59	Rc1/4XR1/4

Applicable Models: VESSEL's P6LS, P5S, P6LS, P6MS, P4SD, P6GD, P6HS, etc.

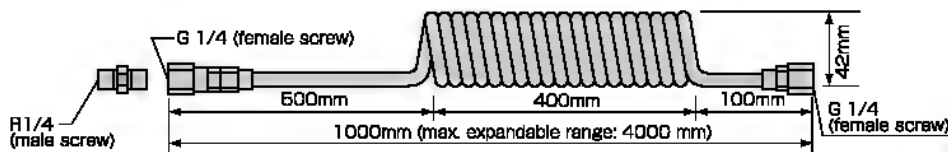
Air Hose



Air hose (thread inserted)

Model No.	Hose I.D. X O.D. (φ mm)	Max. Working Pressure (MPa)	Outer Ctn.: 100m
Air hose	6.5X12	0.98	
Model No.		Weight (g/m)	
Air hose		100	

Air Hose Set



AUC-40



Coil Urethane Hose

Model No.	Hose I.D. X O.D. (φ mm)	Max. Working Pressure (MPa)	Set	Pack Size	JAN code (4807567)	Outer Ctn.: 1
AUC-40	5X8	0.69	Coil urethane hose ... 4 m Connect G 1/4 female screw ... 2 pcs. R1/4 male screw for joint ... 1 pc.	300X200X45	310026	



AUA-820

Ultra-thin
Ultra-lightweight

Blue Eight Hose Set

Model No.	Hose I.D. X O.D. (φ mm)	Max. Working Pressure (MPa)	Weight (g/m)	Set
AUD-805	8X10.5	1.47	42	0.5m, Rc1/4 female screw for joint ... 1 pc. Plug (BPH-8 X 10.5) ... 1 pc.
AUA-820	8X10.5	1.47	42	20m, Plug (BPH-8 X 10.5) ... 1 pc. One-touch lock concent (BLSH-8 X 10.5) ... 1 pc.
AUB-20	8X10.5	1.47	42	20m, G1/4 female screw for joint, R1/4 male screw for nipple
AUB-30	8X10.5	1.47	42	30m, G1/4 female screw for joint, R1/4 male screw for nipple