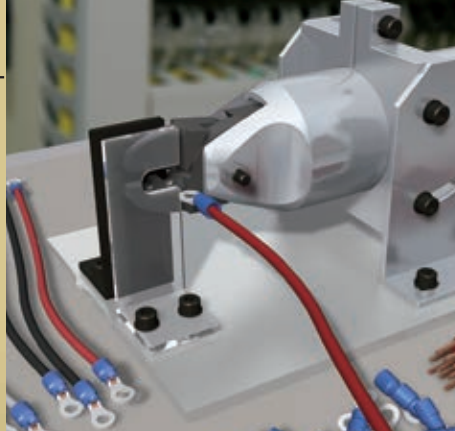


No. GT-NR20

# Air Nippers For Cutting and Crimping



Various models are available;  
Square type for automation cutting equipment;  
Round type, together with a dedicated stand,  
for resin or direct gate-cutting;  
Lever type for manual operation...



No. GT-NR20

## Air Nipper Round-Type without Lever

A tough body for hard jobs. The parts machined at high precision enable smooth cutting jobs to be accomplished.

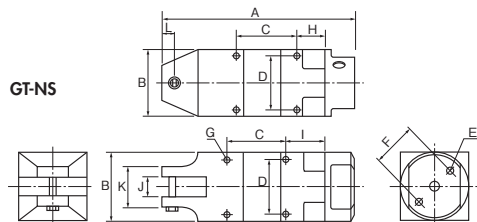
With convenient scales facilitating the installation position adjustment.

## No. GT-NS3/5/7/10L/20/30 Square Air Nippers

●VESSEL provides a generous selection of blades for gate-cutting of resin molded products and various wire cutting in a welding automatic machine and wire winding machine.

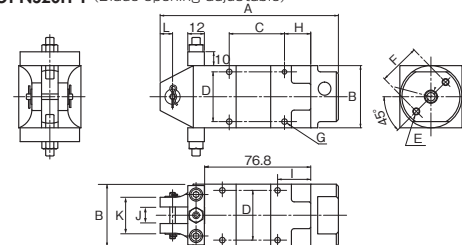


- The position of air intake port is 180-degree rotatable.
- Two air intake ports are provided, so they can be switched depending on the mounting place.



Made-to-order

GT-NS20H-1 (Blade opening adjustable)



### Reference

| Capacity $\phi$ (mm) |              |        |       | Model No.  | Size (mm) |    |    |    |            |    |             |    |    |    |    |    | Air Consumption (cm <sup>3</sup> /str.) | Air Pressure (MPa) | Weight (g) | Hose coupling | EDP No. |
|----------------------|--------------|--------|-------|------------|-----------|----|----|----|------------|----|-------------|----|----|----|----|----|-----------------------------------------|--------------------|------------|---------------|---------|
| Soft Plastic         | Hard Plastic | Copper | Steel |            | A         | B  | C  | D  | E          | F  | G           | H  | I  | J  | K  | L  |                                         |                    |            |               |         |
| 2.0                  | 1.0          | 0.5    |       | GT-NS3     | 110       | 23 | 40 | 19 | M3 Depth8  | 17 | M3 Depth3.5 | 19 | 24 | 7  | 23 | 7  | 45                                      | 0.4~0.5            | 95         | Rc 1/8        | 360012  |
| 2.0                  | 1.0          | 0.5    |       | GT-NS5     | 94        | 30 | 30 | 24 | M4 Depth10 | 20 | M3 Depth5   | 14 | 19 | 7  | 23 | 7  | 64                                      | 0.4~0.5            | 135        |               | 360013  |
| 3.0                  | 2.0          | 1.6    | 1.0   | GT-NS7     | 113       | 36 | 30 | 28 | M4 Depth10 | 24 | M4 Depth5.5 | 18 | 23 | 9  | 23 | 7  | 116                                     | 0.4~0.5            | 215        |               | 360014  |
| 4.0                  | 2.6          | 1.8    | 1.2   | GT-NS10L   | 113       | 36 | 30 | 28 | M4 Depth10 | 24 | M4 Depth5.5 | 18 | 23 | 12 | 26 | 7  | 116                                     | 0.5~0.6            | 215        |               | 360009  |
| 7.0                  | 5.0          | 2.6    | 2.0   | GT-NS20    | 129       | 45 | 40 | 36 | M5 Depth12 | 30 | M4 Depth7   | 19 | 24 | 12 | 26 | 9  | 230                                     | 0.5~0.6            | 370        |               | 360010  |
| 10.0                 | 6.5          | 3.3    | 2.8   | GT-NS30    | 170       | 56 | 60 | 46 | M6 Depth12 | 40 | M5 Depth10  | 20 | 30 | 17 | 36 | 15 | 584                                     | 0.5~0.6            | 685        |               | 360011  |
| 7.0                  | 5.0          | 2.6    | 2.0   | GT-NS20H-1 | 129       | 45 | 40 | 36 | M5 Depth12 | 30 | M4 Depth7   | 19 | 24 | 12 | 26 | 9  | 230                                     | 0.5~0.6            | 455        |               | —       |

\*The capacity in the above table is given for reference, when mounting a standard type of blade.

The capacity depends on the blade shape and the material of the object to cut.

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

• Check the dimensions of the VESSEL nippers and blades when installing them in an automation machine (outer diameter of the frame, screw diameter, distance between installation screws, and others)

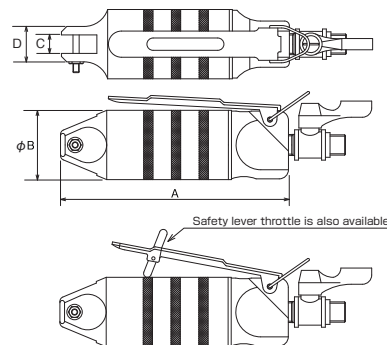
• The GT-NS50 is available as made-to-order. Please consult us for more detail.

## No. GT-N3/5/7/10/12/20/30/50 Hand Held Air Nippers

●VESSEL's made-to-order blades provide solutions for a virtually unlimited range of needs, leading to safer and more efficient working conditions, and less fatigue for the operator.



•N20, N30 and N50 have the air cock.



Safety lever throttle is also available.

### Reference

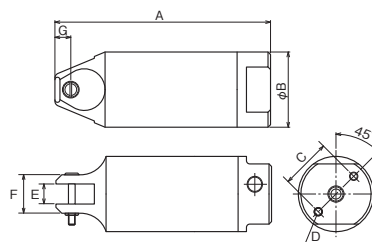
| Capacity $\phi$ (mm) |              |        |       | Model No. | Size (mm) |    |      |    | Air Consumption (cm <sup>3</sup> /str.) | Air Pressure (MPa) | Weight (g) | Body   | Hose coupling | EDP No. |
|----------------------|--------------|--------|-------|-----------|-----------|----|------|----|-----------------------------------------|--------------------|------------|--------|---------------|---------|
| Soft Plastic         | Hard Plastic | Copper | Steel |           | A         | B  | C    | D  |                                         |                    |            |        |               |         |
| 2.0                  | 1.0          | 0.5    |       | GT-N3     | 112       | 23 | 7    | 14 | 45                                      | 0.4~0.5            | 95         | Rc 1/8 | Rc 1/4        | 360002  |
| 2.0                  | 1.0          | 0.5    |       | GT-N5     | 103       | 30 | 7    | 17 | 64                                      | 0.4~0.5            | 135        | Rc 1/8 |               | 360003  |
| 3.0                  | 2.0          | 1.6    | 1.0   | GT-N7     | 123       | 34 | 9    | 17 | 116                                     | 0.4~0.5            | 180        | Rc 1/4 |               | 360004  |
| 4.0                  | 2.6          | 1.8    | 1.2   | GT-N10    | 132       | 34 | 9    | 17 | 116                                     | 0.4~0.5            | 185        | Rc 1/4 |               | 360005  |
| 4.5                  | 4.0          | 2.3    | 1.7   | GT-N12    | 142       | 36 | 12   | 20 | 116                                     | 0.5~0.6            | 210        | Rc 1/4 |               | 360006  |
| 7.0                  | 5.0          | 2.6    | 2.0   | GT-N20    | 148       | 45 | 12   | 23 | 230                                     | 0.5~0.6            | 375        | Rc 1/4 |               | 360007  |
| 10.0                 | 6.5          | 3.3    | 2.8   | GT-N30    | 185       | 56 | 17   | 30 | 584                                     | 0.5~0.6            | 625        | Rc 1/4 |               | 360008  |
|                      | 5.5          | 4.5    |       | GT-N50    | 237       | 75 | 25.2 | 43 | 1,170                                   | 0.5~0.6            | 1,220      | Rc 1/4 |               | 360001  |

\*The capacity in the above table is given for reference, when mounting a standard type of blade. The capacity depends on the blade shape and the material of the object to cut.

•Hose coupling: Rc1/4 •Air hose inner dia. : 5mm •Overall length: Accessories, Hunger not included. •Weight: Accessories not included.

## No. GT-NR3/5/7/10L/20/30/50 Air Nipper Round-Type without Lever

- 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.



### Reference

| Capacity $\phi$ (mm) |              |        |       |  | Model No. | Size (mm) |    |    |            |      |    |      | Air Consumption<br>( $\text{cm}^3/\text{str.}$ ) | Air Pressure<br>(MPa) | Weight<br>(g) | Hose coupling | EDP No. |
|----------------------|--------------|--------|-------|--|-----------|-----------|----|----|------------|------|----|------|--------------------------------------------------|-----------------------|---------------|---------------|---------|
| Soft Plastic         | Hard Plastic | Copper | Steel |  |           | A         | B  | C  | D          | E    | F  | G    |                                                  |                       |               |               |         |
| 2.0                  | 1.0          | 0.5    |       |  | GT-NR3    | 110       | 23 | 17 | M3 Depth8  | 7    | 14 | 7    | 45                                               | 0.4~0.5               | 70            | Rc 1/8        | 360015  |
| 2.0                  | 1.0          | 0.5    |       |  | GT-NR5    | 94        | 30 | 20 | M4 Depth10 | 7    | 17 | 7    | 64                                               | 0.4~0.5               | 110           |               | 360016  |
| 3.0                  | 2.0          | 1.6    | 1.0   |  | GT-NR7    | 113       | 34 | 22 | M4 Depth10 | 9    | 17 | 7    | 116                                              | 0.4~0.5               | 150           |               | 360017  |
| 4.0                  | 2.6          | 1.8    | 1.2   |  | GT-NR10L  | 113       | 36 | 24 | M4 Depth10 | 12   | 20 | 7    | 116                                              | 0.5~0.6               | 215           |               | 360018  |
| 7.0                  | 5.0          | 2.6    | 2.0   |  | GT-NR20   | 129       | 45 | 30 | M5 Depth12 | 12   | 23 | 9.5  | 230                                              | 0.5~0.6               | 280           |               | 360019  |
| 10.0                 | 6.5          | 3.3    | 2.8   |  | GT-NR30   | 165       | 56 | 40 | M6 Depth12 | 17   | 30 | 10.5 | 584                                              | 0.5~0.6               | 505           | Rc 1/4        | 360020  |
| 12.0                 | 6.5          | 5.5    | 4.5   |  | GT-NR50   | 222       | 75 | 50 | M8 Depth12 | 25.2 | 43 | 15   | 1,170                                            | 0.5~0.6               | 1,190         |               | 360024  |

\*The capacity in the above table is given for reference, when mounting a standard type of blade.  
The capacity depends on the blade shape and the material of the object to cut.  
\*Air hose inner dia.: 5mm \*Overall length and Weight: Accessories not included.

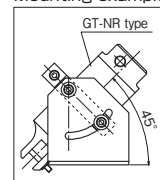
\*Before mounting on dedicated/automatic machines, check the following product dimensions.  
(Flame O.D., screw dia. (screw to screw) dimensions, etc.)  
\*Capacity ( $\phi$ ) is for reference purpose only. It varies depending on products.

## No. NR10LST/20ST/30ST/50ST Stand for GT-NR

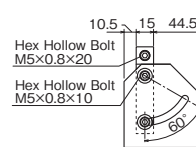
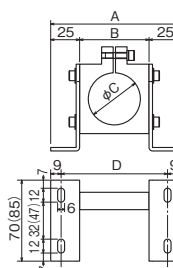
- Fixing hardware for sprue cutting of direct gates or mounting to an automatic machine.
- Mounted angle can be adjusted (0 to 60°).



### Mounting example



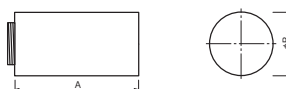
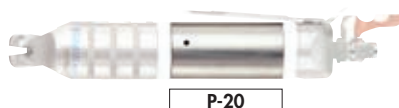
| Model No. | Size (mm) |     |    |     | Weight<br>(g) | EDP No. |
|-----------|-----------|-----|----|-----|---------------|---------|
|           | A         | B   | C  | D   |               |         |
| NR10LST   | 102       | 52  | 36 | 84  | 335           | 360057  |
| NR20ST    | 110       | 60  | 45 | 92  | 385           | 360058  |
| NR30ST    | 130       | 80  | 56 | 112 | 535           | 360059  |
| NR50ST    | 150       | 100 | 75 | 132 | 835           | —       |



Figures in ( ) are for the NR50ST

## No. P-10L/20/30/50 Extra Pressure Boosters

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



### Reference

| Capacity $\phi$ (mm) |              |        |       |  | Applicable models | Model No. | Size (mm) |    | Air Consumption<br>( $\text{cm}^3/\text{str.}$ ) | Air Pressure<br>(MPa) | Weight<br>(g) | EDP No. |
|----------------------|--------------|--------|-------|--|-------------------|-----------|-----------|----|--------------------------------------------------|-----------------------|---------------|---------|
| 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 0.5MPa          | 115           | 360051  |
| 8.0                  | 6.0          | 3.0    | 2.2   |  | N20, NS20, NR20   | P-20      | 87        | 45 | 508                                              | Up to 0.5MPa          | 215           | 360052  |
| 13.0                 | 7.0          | 4.8    | 4.0   |  | N30, NS30, NR30   | P-30      | 92        | 56 | 956                                              | Up to 0.5MPa          | 330           | 360053  |
| 6.5                  | 5.5          |        |       |  | N50, NR50         | P-50      | 133       | 75 | 2,670                                            | Up to 0.5MPa          | 840           | 360054  |

\*The capacity in the above table is given for reference, when mounting a standard type of blade. The capacity depends on the blade shape and the material of the object to cut.  
\*Above figures of overall length and the weight are defined for the extra booster specs only. And these figures in the installation.

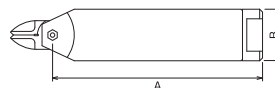
※Blades are optional.

**No. GT-NWR10/20/30 GT-NWS1/10/20/30 Double Action Air Nippers**

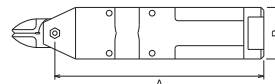
- Blade opening and closing is driven by air piston.
- Having no spring mechanism in the main unit facilitates maintenance.



GT-NWR



GT-NWS



| Model No.                                             | Capacity $\phi$ (mm) |       |             | Air Consumption<br>(cm <sup>3</sup> /str.) | Applied Pressure<br>(N) | Air Pressure<br>(MPa) | Size (mm) |           | Weight<br>(g) | EDP No. |
|-------------------------------------------------------|----------------------|-------|-------------|--------------------------------------------|-------------------------|-----------------------|-----------|-----------|---------------|---------|
|                                                       | Copper               | Steel | ABS Plastic |                                            |                         |                       | A         | B         |               |         |
| Double Action Air Scissors (Round Type without Lever) |                      |       |             |                                            |                         |                       |           |           |               |         |
| GT-NWR10                                              | 1.8                  | 1.2   | 4.0         | 116                                        | 588                     | 0.4~0.5               | 146       | $\phi 36$ | 280           | 360710  |
| GT-NWR20                                              | 2.6                  | 2.0   | 6.5         | 230                                        | 1,372                   | 0.5~0.6               | 165       | $\phi 45$ | 523           | 360711  |
| GT-NWR30                                              | 3.3                  | 2.8   | 9.5         | 584                                        | 2,744                   | 0.5~0.6               | 216       | $\phi 56$ | 980           | 360712  |
| Double Action Air Scissors (Square Type)              |                      |       |             |                                            |                         |                       |           |           |               |         |
| GT-NWS1                                               | 1.0                  | 0.5   | 2.0         | 45                                         | 294                     | 0.4~0.5               | 95        | 23×20     | 116           | 360702  |
| GT-NWS10                                              | 1.8                  | 1.2   | 4.0         | 116                                        | 588                     | 0.4~0.5               | 146       | 36×36     | 356           | 360706  |
| GT-NWS20                                              | 2.6                  | 2.0   | 6.5         | 230                                        | 1,372                   | 0.5~0.6               | 165       | 45×45     | 610           | 360707  |
| GT-NWS30                                              | 3.3                  | 2.8   | 9.5         | 584                                        | 2,744                   | 0.5~0.6               | 230.5     | 56×56     | 1,115         | 360708  |

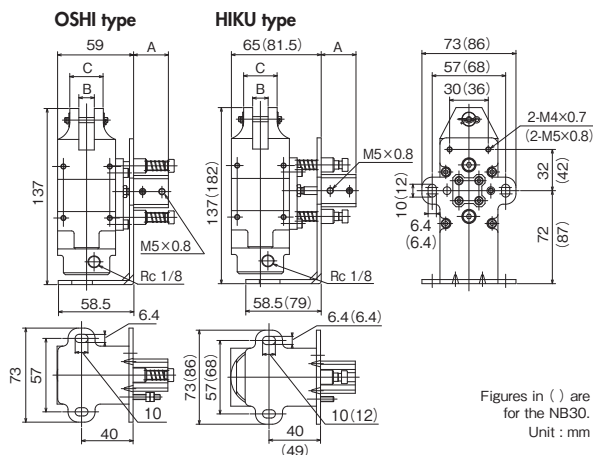
NEW

**No. GT-NB20/30/20LW/30LW**
**Sliding Air Nippers Bracket-Type**

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


 GT-NB20LW-10TM  
Slide Mechanism Accurate Model


GT-NB20



| Model No.        | Dimensions (mm) |    |    | Slide Direction/<br>Distance (mm) | Weight<br>(g) | EDP No. |
|------------------|-----------------|----|----|-----------------------------------|---------------|---------|
|                  | A               | B  | C  |                                   |               |         |
| GT-NB20(5-OSHI)  | 22              | 12 | 26 | Push 0~5                          | 755           | 360073  |
| GT-NB20(5-HIKU)  | 22              | 12 | 26 | Pull 0~5                          | 755           | 360071  |
| GT-NB20(10-OSHI) | 27              | 12 | 26 | Push 0~10                         | 755           | 360074  |
| GT-NB20(10-HIKU) | 27              | 12 | 26 | Pull 0~10                         | 755           | 360072  |
| GT-NB30(10-HIKU) | 28.5            | 17 | 36 | Pull 0~10                         | 1,420         | 360076  |
| GT-NB20LW-10TM   | 28.5            | 12 | 26 | Pull 0~10                         | 795           | 360069  |
| GT-NB30LW-10TM   | 29.5            | 17 | 36 | Pull 0~10                         | 1,315         | 360077  |
| GT-NB20LW-10SM   | 28.5            | 12 | 26 | Push 0~10                         | 795           | 360068  |
| GT-NB30LW-10SM   | 29.5            | 17 | 36 | Push 0~10                         | 1,325         | 360078  |

