

**VESSEL**  
Think Solutions!

# AIR NIPPER



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

# AIR NIPPER

## Environmental Measures

Pb (lead) / Cd (cadmium) / Hg (mercury) / Hexavalent chromium / PBB (polybrominated biphenyl) / PBDE (polybrominated diphenyl ether) / DEHP, BBP, DBP, DIBP (phthalate esters)

The products with this mark in this catalogue are compliant with the RoHS directives (EU) (usage limit of the above 10 substances).

Note: For the updated information on RoHS compliant products, visit our homepage, because some products or sizes are under investigation or are not compliant at the time of publication of this catalogue.  
www.vessel.co.jp

RoHS



## Standard blades

Blades open and close by a spring repulsion.

» 10



## NM blades

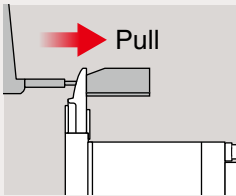
Special blade without spring for 24-hour operation; blades open and close by a magnet repulsion.

» 14



## Slide-off air nippers

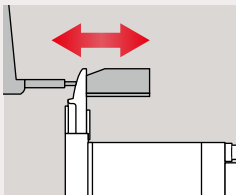
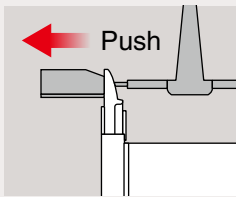
The main unit of the nipper slides and the blade comes into intimate contact with a gate, enabling to cut it without resin residue.



### Pull/Push

A wide selection of models can support various applications. Possible to fix the highly precise positioning against the gate as there is less rattling or deflection.

» 2



### Double action type

Slide mechanism not using a spring ensures smooth action. It is free from concerns about spring wear or metal fatigue, resulting in high durability.

» 3

Air nippers Model Blade shape

No. **NY10 A J**

- |   |   |
|---|---|
| <b>AJ</b> : Plastic, Straight                   | <b>RAJ</b> : Plastic, Straight Reversed                   |
| <b>AJL</b> : Plastic, Straight Long             | <b>RAJL</b> : Plastic, Straight Long Reversed             |
| <b>AJT</b> : Plastic, Straight Thin             |   |
| <b>AE</b> : Plastic, Nipping                    |   |
| <b>AJY</b> : Plastic, Straight Recessed         |   |
| <b>AD</b> : Plastic, Over-ride                  |   |
| <b>AH</b> : Plastic, Crank                      | <b>RAH</b> : Plastic, Crank Reversed                      |
| <b>AJB</b> : Plastic, Straight (Carbide tipped) | <b>RAJB</b> : Plastic, Straight (Carbide tipped) Reversed |
| <b>AJV</b> : Plastic, Straight V-shaped         |   |
| <b>AJH</b> : Plastic, Straight (HSS tipped)     |   |
| <b>BJ</b> : Metal, Straight                     | <b>RBJ</b> : Metal, Straight Reversed                     |



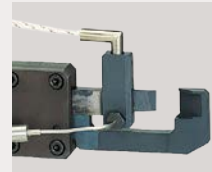
## For more precise gate-cutting:



### Heat air nippers

These nippers perform cutting by applying heat to the blade edges. They are good for cutting acrylic lens.

» 29



### Heat air nippers Thrust-cut type

Cutting by the application of heat; thrust-cutting type ensuring a clean, unblemished cut surface constantly.

» 29



### Option Parts

Bracket optional parts for easy installation. Clamps and brackets are available to facilitate mounting air nippers on equipment.

»31



### Square type

Provided with threaded holes on the 5 faces of the main unit. Suitable for incorporating into a machine or equipment.

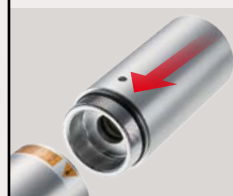
»7



### Round type

Possible to adjust freely the mounting angle by a stand (option). Suitable for installation on a robotic arm or chuck plate.

»8



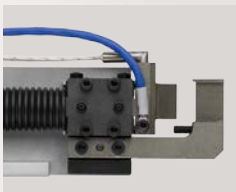
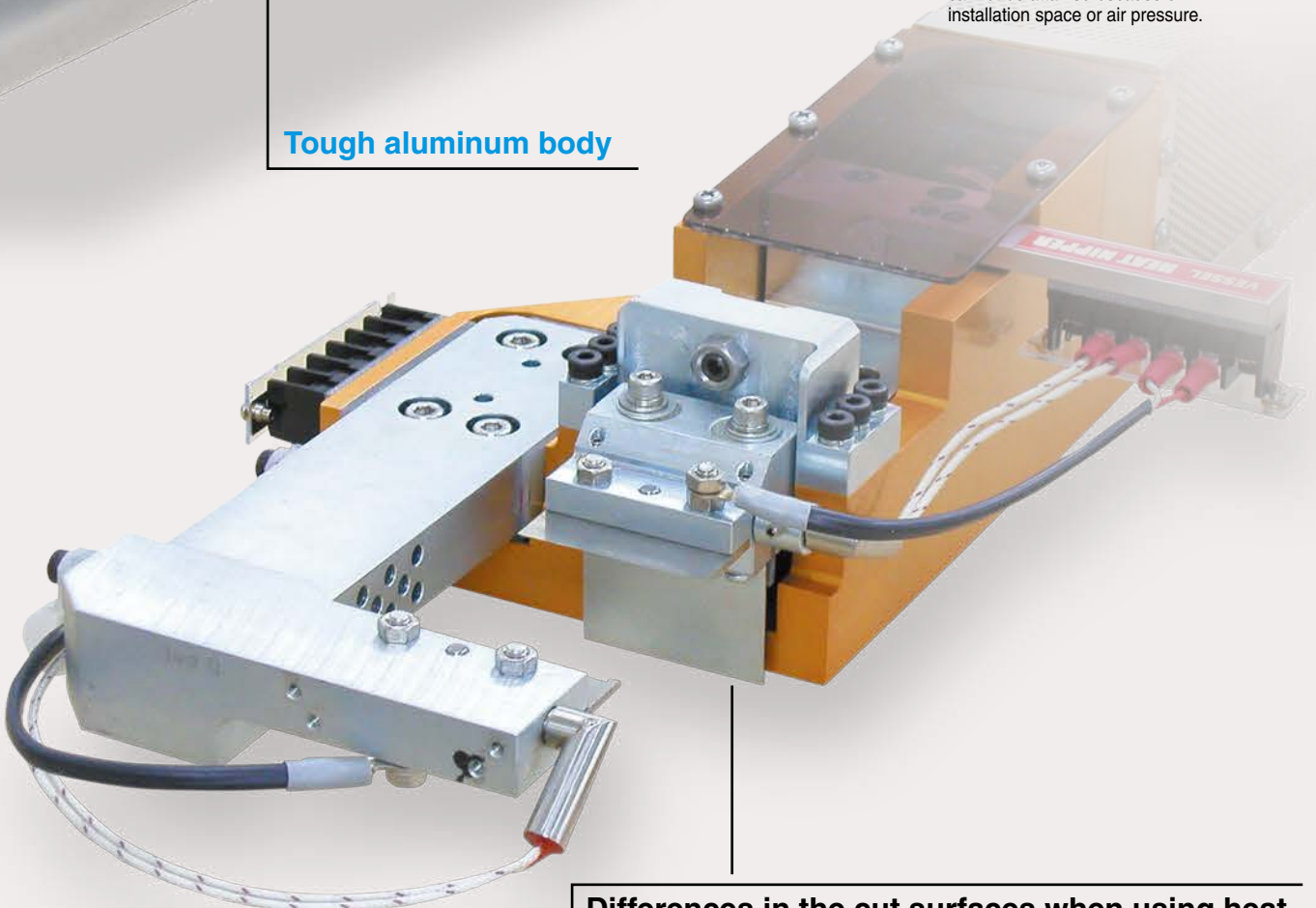
### Extra Pressure Booster

Installing this unit on either square or round air nipper enables a pressure to be boosted. Ideal for applications where the radical pressure cannot be attained because of installation space or air pressure.

»9



Tough aluminum body



### Air-hydro nippers Thrust-cut type

An air-hydro cylinder of air + oil provides low speeds and high power. These nippers are suitable for precision cutting in which gate projecting allowance is strict.

»27

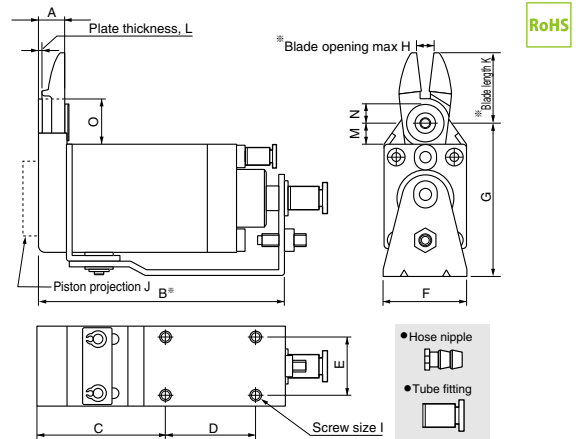
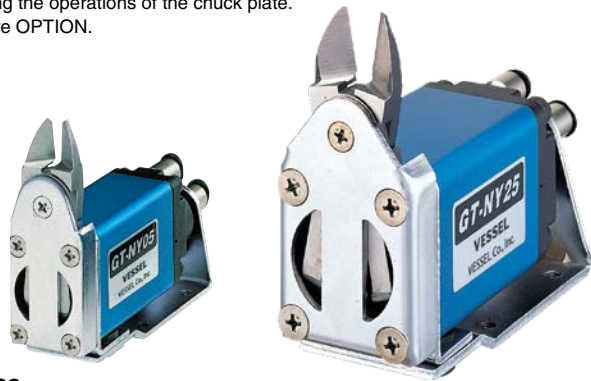
### Differences in the cut surfaces when using heat nippers (GT-NSH type)

	PVC	Nylon	Glass-contained	Polypropylene
Standard Blades (Not Heat Nipper)				
Heat Nippers				

**Sliding Air Nippers Horizontal-Type**

**GT-NY05/10/15/25**

- The horizontal slide enables space to be utilized effectively.
- The low profile of the nipper body allows objects to be removed from the machine without obstructing the operations of the chuck plate.
- Blades are OPTION.



**Reference**

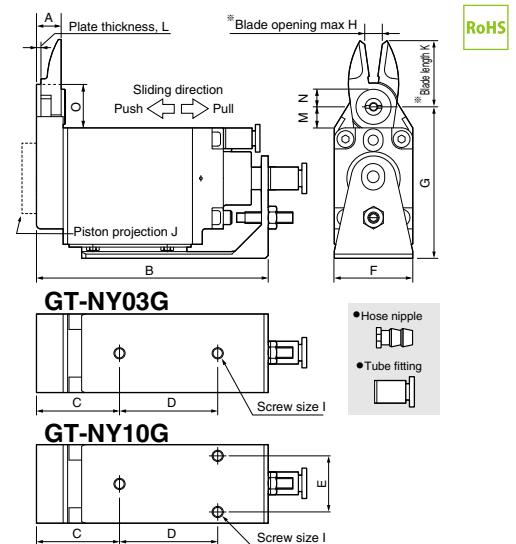
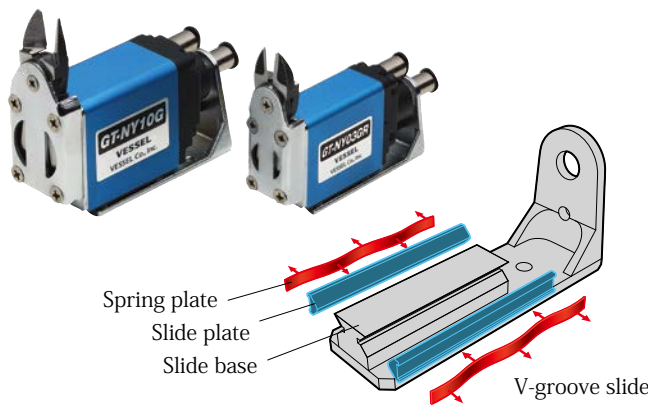
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)															Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Slide Distance (mm)	Hose Port	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O					
3.0	2.0	1.6	1.0	360646	GT-NY05																		Pull 0~3	W/hose nipple	309518
3.0	2.0	1.6	1.0	360647	GT-NY05R	8.6	75.9	40.9	25	15	23	47.6	4	M4	3	22	1.6	8.5	6.25	16.5	48	155	Push 0~3	Hose I.D. $\phi$ 2.5mm	309532
3.0	2.0	1.6	1.0	360648	GT-NY05-4																		Pull 0~3	W/tube fitting	309525
3.0	2.0	1.6	1.0	360649	GT-NY05R-4																		Push 0~3	Hose I.D. $\phi$ 2.5xO.D. $\phi$ 4mm	309549
3.5	2.3	1.7	1.1	360652	GT-NY10																		Pull 0~3	W/hose nipple	309563
3.5	2.3	1.7	1.1	360656	GT-NY10R	8.8	82.1	42.1	30	20	28	51.6	6	M4	5	24	1.6	7.5	6.25	15.5	68	210	Push 0~3	Hose I.D. $\phi$ 2.5mm	309587
3.5	2.3	1.7	1.1	360660	GT-NY10-4																		Pull 0~3	W/tube fitting	309570
3.5	2.3	1.7	1.1	360664	GT-NY10R-4																		Push 0~3	Hose I.D. $\phi$ 2.5xO.D. $\phi$ 4mm	309594
4.0	2.6	1.8	1.2	360672	GT-NY15																		Pull 0~3	W/hose nipple	309617
4.0	2.6	1.8	1.2	360673	GT-NY15R	10.2	93	48	35	25	33	58	8	M4	5	27	2	7.5	6.25	16.5	136	319	Push 0~3	Hose I.D. $\phi$ 2.5mm	309631
4.0	2.6	1.8	1.2	360674	GT-NY15-4																		Pull 0~3	W/tube fitting	309624
4.0	2.6	1.8	1.2	360675	GT-NY15R-4																		Push 0~3	Hose I.D. $\phi$ 2.5xO.D. $\phi$ 4mm	309648
5.0	3.4	1.9	1.3	360680	GT-NY25																		Pull 0~5	W/hose nipple	309679
5.0	3.4	1.9	1.3	360681	GT-NY25R	12.5	108.5	54.5	40	30	42	69	9	M5	2	31	2.5	10.5	7	20.5	184	580	Push 0~5	Hose I.D. $\phi$ 4mm	309686
5.0	3.4	1.9	1.3	360682	GT-NY25-6																		Pull 0~5	W/tube fitting	309693
5.0	3.4	1.9	1.3	360683	GT-NY25R-6																		Push 0~5	Hose I.D. $\phi$ 4xO.D. $\phi$ 6mm	309709

※Capacity indication shows the reference value when a standard blade is mounted. Values vary depending on the blade shapes and type of cut objects.  
 ※K (blade projection) and H (maximum blade opening) indicate the dimensions when a standard blade (AJ type) is mounted. ※Air Pressure: 0.4~0.5MPa (NY25 type: 0.5~0.6)  
 ※B refers to the distance from the cut position for PUSH style models, and the distance from the start position for PULL style models.

**Sliding Air Nippers Horizontal-Type**

**GT-NY03G/10G**

- V-groove slide base ensures constant, stable positioning.
- The unit is not subject to inclined loads, and has achieved high precision gate cutting performance.
- Blades are OPTION.



**Reference**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)															Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Slide Distance (mm)	Hose Port	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O					
2.0	1.3	1.5	0.9	360741	GT-NY03G																		Pull 0~3	W/hose nipple	309419
2.0	1.3	1.5	0.9	360742	GT-NY03GR	8.6	74.5	29.5	30	-	19	46.5	3	M4	0	21	1.6	7.5	5.25	14.5	37	160	Push 0~3	Hose I.D. $\phi$ 2.5mm	309426
2.0	1.3	1.5	0.9	360743	GT-NY03G-4																		Pull 0~3	W/tube fitting	309433
2.0	1.3	1.5	0.9	360744	GT-NY03GR-4																		Push 0~3	Hose I.D. $\phi$ 2.5xO.D. $\phi$ 4mm	309440
3.5	2.3	1.7	1.1	360753	GT-NY10G																		Pull 0~3	W/hose nipple	309464
3.5	2.3	1.7	1.1	360754	GT-NY10GR	8.8	82.6	29.6	35	20	28	54	6	M4	5	24	1.6	7.5	6.25	15.5	68	275	Push 0~3	Hose I.D. $\phi$ 2.5mm	309471
3.5	2.3	1.7	1.1	360755	GT-NY10G-4																		Pull 0~3	W/tube fitting	309488
3.5	2.3	1.7	1.1	360756	GT-NY10GR-4																		Push 0~3	Hose I.D. $\phi$ 2.5xO.D. $\phi$ 4mm	309495

※Capacity indication shows the reference value when a standard blade is mounted. Values vary depending on the blade shapes and type of cut objects. ※K (blade projection) and H (maximum blade opening) indicate the dimensions when a standard blade (AJ type) is mounted. ※Air Pressure: 0.4~0.5MPa

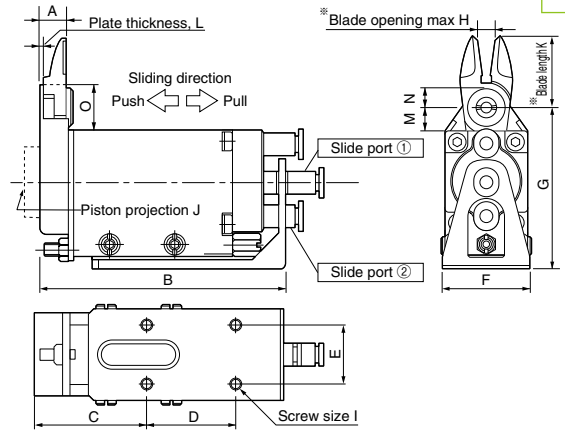
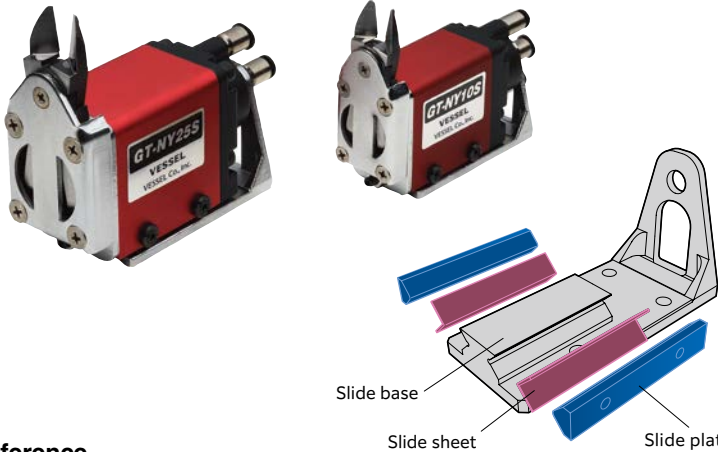
※Blades are option. Note that a forward or a backward-facing blades are respectively available.

**Double Action Sliding Air Nippers**

**GT-NY10S/25S**

RoHS

- The springless slide construction of the main unit ensures smooth movement.
- V-groove slide base has been employed for high precision positioning.
- Blades are OPTION.



<Note>  
Nipper moves  
- Backward [Pull direction] when air is fed to Slide port ①.  
- Forward [Push direction] when air is fed to Slide port ②.

**Reference**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)															Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Slide Distance (mm)	Hose Port	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O					
3.5	2.3	1.7	1.1	360731	GT-NY10S	8.8	84.5	38	30	20	32	55	6	M4	5	24	1.6	7.5	6.25	15.5	68	300	0~3.5	W/tube fitting Hose I.D. $\phi$ 2.5×O.D. $\phi$ 4mm	309761
5.0	3.4	1.9	1.3	360732	GT-NY25S	12.5	106.5	47	40	30	47	72	9	M5	2	31	2.5	10.5	7	20.5	184	695	0~5.0	W/tube fitting Hose I.D. $\phi$ 4×O.D. $\phi$ 6mm	309860

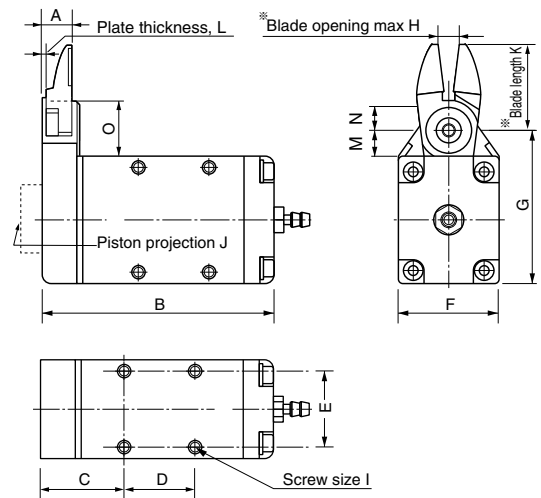
※Capacity indication shows the reference value when a standard blade is mounted. Values vary depending on the blade shapes and type of cut objects.  
※K (blade projection) and H (Maximum blade opening) indicate the dimensions when a standard blade (AJ type) is mounted. ※Air Pressure: ·NY10S: 0.4~0.5MPa / NY25S: 0.5~0.6MPa

**Type-F Air Nippers**

**GT-NF03/05/10/15/25**

RoHS

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



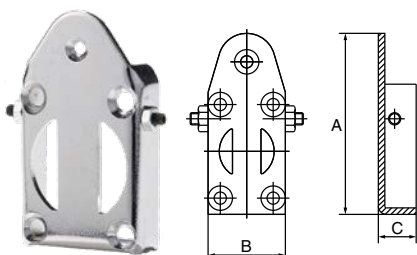
**Reference**

Capacity $\phi$ (mm)				Code No.	Model No.	Size (mm)															Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Hose Port	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
2.0	1.3	1.5	0.9	360605	GT-NF03	8.6	58.9	19.4	18	14	19	37.6	3	M3	0	21	1.6	6.4	5.25	13.4	37	85		035790
3.0	2.0	1.6	1.0	360606	GT-NF05	8.6	59.9	21.9	17	18	23	39.5	4	M3	3	22	1.6	8.4	6.25	16.4	43	101	W/hose nipple Hose I.D. $\phi$ 2.5× $\phi$ 4mm	308511
3.5	2.3	1.7	1.1	360607	GT-NF10	8.8	65.1	23.1	20	22	28	43.5	6	M3.5	5	24	1.6	7.4	6.25	15.4	63	143		308528
4.0	2.6	1.8	1.2	360608	GT-NF15	10.2	73	25	25	26	33	48.5	8	M4	5	27	2	7.4	6.25	16.4	128	219		308535
5.0	3.4	1.9	1.3	360609	GT-NF25	12.5	84	30.9	23	33.2	42	57.6	9	M5	2	31	2.5	10.4	7.0	20.4	184	378	I.D. $\phi$ 4× $\phi$ 6mm	035806

※Capacity indication shows the reference value when a standard blade is mounted. Values vary depending on the blade shapes and type of cut objects.  
※K (blade projection) and H (maximum blade opening) indicate the dimensions when a standard blade (AJ type) is mounted. Mounting screw for NF10(M3.5) is regarded as spare part.  
※Air Pressure: 0.4~0.5MPa

**Blade opening adjustment plate**

**NY03GWAS/05WAS/10WAS/15WAS/25WAS**



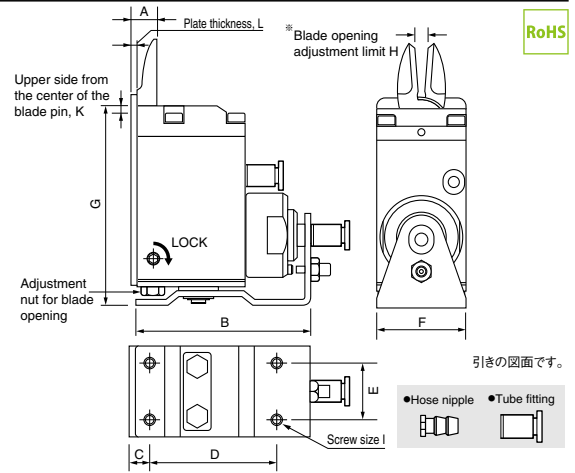
Code No.	Model No.	Size(mm)			Weight (g)	Applicable models	JAN (4907587)
		A	B	C			
855161	NY03GWAS	44.5	19	9.3	16	GT-NY03G(-4)/NY03GR(-4)/NF03	026347
855162	NY05WAS	47.5	23	9.3	19	GT-NY05(-4)/NY05R(-4)/NF05	026354
855163	NY10WAS	51.5	28	9.5	22	GT-NY10(-4)/NY10R(-4)/NY10S/NF10	026361
855164	NY15WAS	57.5	33	11.0	37	GT-NY15(-4)/NY15R(-4)/NF15	026378
855165	NY25WAS	67.5	42	13.5	70	GT-NY25(-6)/NY25R(-6)/NY25S/NF25	026385

※Blades are option. Note that a forward or a backward-facing blades are respectively available.

Sliding Air Nippers Vertical-type

GT-NT03/05/10/20

- Blade opening is adjustable, and fine adjustments are easy to make after mounting the nippers, ensuring clean, unblemished cut surfaces.
- Blade can be installed either with the cutting edge outside or inside.
- Blades are OPTION.



Reference

Capacity φ(mm)		Code No.	Model No.	Size(mm)											Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Slide Distance (mm)	Hose Port	JAN (4907587)
Soft Plastic	Hard Plastic			A	B	C	D	E	F	G	H	I	J	K					
1.5	1.0	360601	GT-NT03												27	178	Pull 0~3	W/hose nipple	309211
1.5	1.0	360611	GT-NT03R	9	62	7	43	14	19	68.1	1.5~3	M3	2	5	27	178	Push 0~3	Hose I.D φ2.5mm	309235
1.5	1.0	360621	GT-NT03-4												27	178	Pull 0~3	W/tube fitting	309228
1.5	1.0	360631	GT-NT03R-4												27	178	Push 0~3	Hose I.D φ2.5×O.D. φ4mm	309242
2.5	1.5	360602	GT-NT05												47	325	Pull 0~3	W/hose nipple	309266
2.5	1.5	360612	GT-NT05R	9	64	7	45	20	32	71.1	3~6	M4	2	5	47	325	Push 0~3	Hose I.D φ2.5mm	309280
2.5	1.5	360622	GT-NT05-4												47	325	Pull 0~3	W/tube fitting	309273
2.5	1.5	360632	GT-NT05R-4												47	325	Push 0~3	Hose I.D φ2.5×O.D. φ4mm	309297
3.5	2.3	360603	GT-NT10												82	515	Pull 0~3	W/hose nipple	309310
3.5	2.3	360613	GT-NT10R	11	73	8	53	24	38	88.1	4~7	M4	2	5	82	515	Push 0~3	Hose I.D φ2.5mm	309334
3.5	2.3	360623	GT-NT10-6												82	515	Pull 0~3	W/tube fitting	309327
3.5	2.3	360633	GT-NT10R-6												82	515	Push 0~3	Hose I.D φ4×O.D. φ6mm	309341
5.0	3.4	360604	GT-NT20												203	930	Pull 0~8	W/hose nipple	309365
5.0	3.4	360614	GT-NT20R	14	103	10	80	28	44	102.1	4.5~9	M5	2	6	203	930	Push 0~8	Hose I.D φ4mm	309389
5.0	3.4	360624	GT-NT20-6												203	930	Pull 0~8	W/tube fitting	309372
5.0	3.4	360634	GT-NT20R-6												203	930	Push 0~8	Hose I.D φ4×O.D. φ6mm	309396

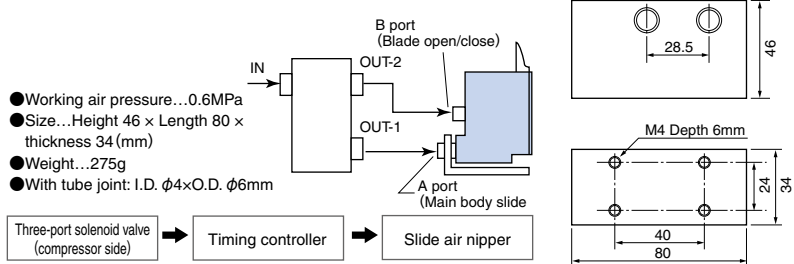
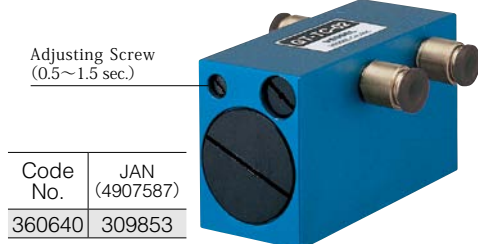
※Capacity indication shows the reference value when a standard blade is mounted. Values vary depending on the blade shapes and type of cut objects.  
 ※Blade opening adjustment limit (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure: 0.4~0.5MPa (NT20 type: 0.5~0.6)

Related product

Timing Controller

GT-TC-02

- Enables to adjust the sliding (nippers) and cutting timing, by installing this controller between the compressor and the air nippers. (Approximately 0.5 seconds to 1.5 seconds)



- Working air pressure...0.6MPa
- Size...Height 46 × Length 80 × thickness 34 (mm)
- Weight...275g
- With tube joint: I.D. φ4×O.D. φ6mm

Connectable nippers (Reference)

GT-	NY05	NY10	NY15	NY25	NT03	NT05	NT10	NT20	NB20	NB30	NB20LW	NB30LW
Connectable unit numbers	4	3	1	1	6	4	2	1	2	1	2	1

**Sliding Air Nippers Bracket Type**

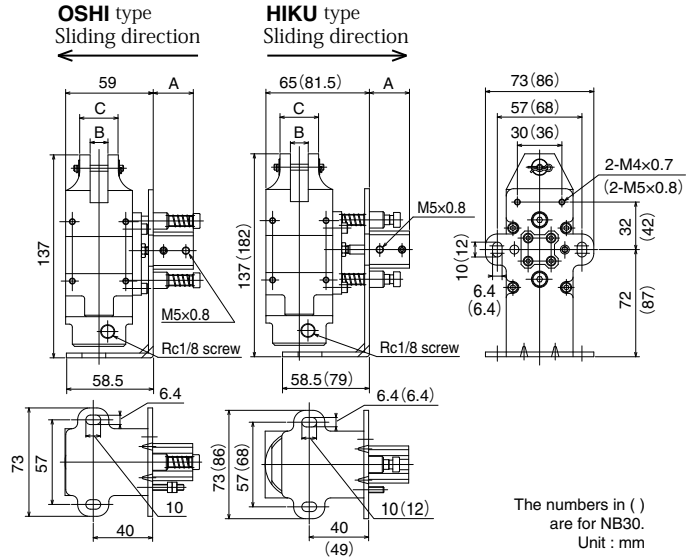
**GT-NB20/30/20LW/30LW**

- Smooth and continuous sliding even for large-diameter gate cutting, where a large impact is applied at the moment of cutting.
- Blades are OPTION.



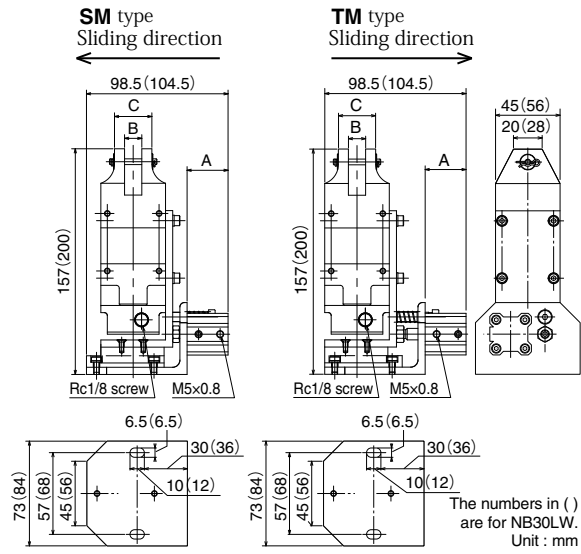
**Reference GT-NB20**

Code No.	Model No.	Dimensions(mm)			Slide Direction/Distance(mm)	Weight (g)	JAN (4907587)
		A	B	C			
360073	<b>GT-NB20(5-OSHI)</b>	22	12	26	Push 0~5	755	309013
360071	<b>GT-NB20(5-HIKU)</b>	22	12	26	Pull 0~5	755	309020
360074	<b>GT-NB20(10-OSHI)</b>	27	12	26	Push 0~10	755	309037
360072	<b>GT-NB20(10-HIKU)</b>	27	12	26	Pull 0~10	755	309044
360076	<b>GT-NB30(10-HIKU)</b>	28.5	17	36	Pull 0~10	1,420	309068



**Reference GT-NB20LW-10TM Slide Mechanism High Precision Type**

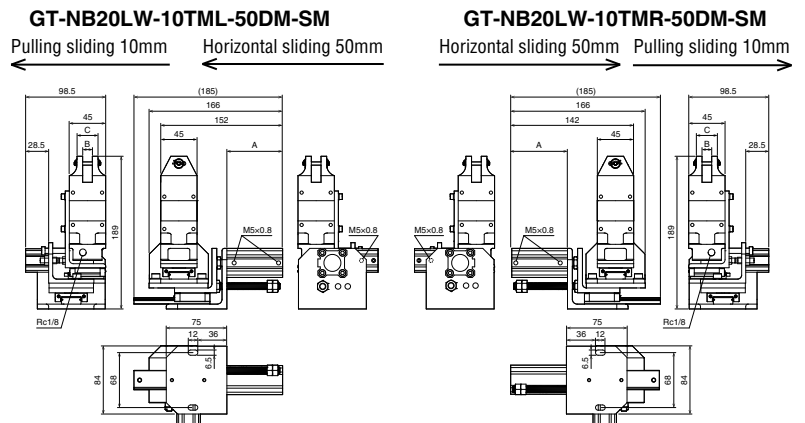
Code No.	Model No.	Dimensions(mm)			Slide Direction/Distance(mm)	Weight (g)	JAN (4907587)
		A	B	C			
360069	<b>GT-NB20LW-10TM</b>	28.5	12	26	Pull 0~10	795	309082
360068	<b>GT-NB20LW-10SM</b>	28.5	12	26	Push 0~10	795	309105
360077	<b>GT-NB30LW-10TM</b>	29.5	17	36	Pull 0~10	1,315	309099
360078	<b>GT-NB30LW-10SM</b>	29.5	17	36	Push 0~10	1,325	309051



**W Sliding Air Nipper Bracket Type**

**GT-NB20LW-10TML(TMR)-50DM-SM**

- With a side opening blade for plastic mounted, this nipper can make itself insert to the place where ordinary nippers cannot reach, and move close to the gate to cut.
- Sliding direction moves up to 50mm in the horizontal direction and up to 10mm in the pulling direction.
- Blades are OPTION.



**Reference GT-NB20LW-10TMR-50DM-SM**

Code No.	Model No.	Dimensions(mm)			Sliding Direction / Distance(mm)	Weight (g)	JAN (4907587)
		A	B	C			
360066	<b>GT-NB20LW-10TML-50DM-SM</b>	69.5	12	26	Pulling sliding 0~10/Horizontal sliding 0~50	1,621	014665
360067	<b>GT-NB20LW-10TMR-50DM-SM</b>	69.5	12	26	Pulling sliding 0~10/Horizontal sliding 0~50	1,621	014672

ADV Series

**Pressurized force is increased by 20%. Recommended to make equipment lighter and smaller.**  
 Compared to the existing model, the 20 type is about 20% more powerful. This has been realized by review of the internal structure and by the new design of the piston and the inside diameter.

**Dimensions are same as the existing model.**  
 It is easy to replace the existing model with this new product. **Corresponding to the trend of hardening of the resin products and the larger diameter of the gate, without changing the current jig.**

**The blade that you have for the existing model can be used.**  
 The standard blades can be used as the replacement blade, as long as the nipper has the same capacity.

**Note:** Since the internal structure of this new nipper is different from the existing model, parts are not interchangeable between them. Also, some custom-made blades may not perform as sufficiently as intended.

**Booster unit also available.**

Dedicated option for the demand of more powerful cutting force. By attaching the booster to the ADV series, the pressurized force is even further increased by about 20%.

**Scale is a convenient reference when using with a stand.**  
 The NR series has the scale that is convenient when using with a stand.

**Recommended to the following cases:**

- ▶ You want to make the nipper **as light as possible** without using a pressure booster unit.
- ▶ The cutting capacity of the current model (NR20, NS20, NR30, NS30) is **a little insufficient**.
- ▶ The upper capacity nipper type would be appropriate, but could not be used **due to space limitations**.
- ▶ The cutting capacity is sufficient, but **the air pressure needs to be lowered**.
- ▶ Applications that **require pressurization**, such as crimping, punching, bending, etc.

**Air Nipper Square Type ADV**

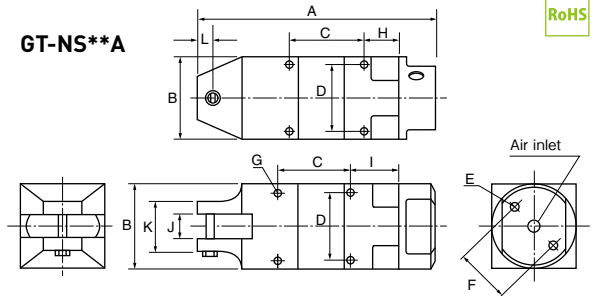
**GT-NS20A/30A**

- The nipper that has about 20% more pressurized force than the existing NS20 series and 50% more than the NS30.
- The air inlet position can be adjusted 180 degrees, so it can be changed freely according to the mounting position of the main unit.
- Blades are OPTION.



※The photo represents GT-NS30A.

GT-NS\*\*A



RoHS

**Reference**

Capacityφ (mm)				Code No.	Model No.	Size(mm)										Air Consumption (cm <sup>3</sup> /str)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J						K	L
8.0	5.5	3.0	2.4	360029	GT-NS20A	129	45	40	36	M5 Depth12	30	M4 Depth7	19	24	12	26	9	262	0.4~0.6	366	Rc1/8	035165
11.0	7.0	4.5	3.0	360030	GT-NS30A	170	56	60	46	M6 Depth12	40	M5 Depth8	20	30	17	36	15	648	0.5~0.6	686	Rc1/8	035172

※The capacity is for reference only, when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※Make sure in advance of the product dimensions for installation to dedicated or automated machine. (Frame outer dimension, screw size, distance between screws, etc.)  
 ※Working air hose inner dia.: 5mm ※Overall length and Weight: Accessories not included.

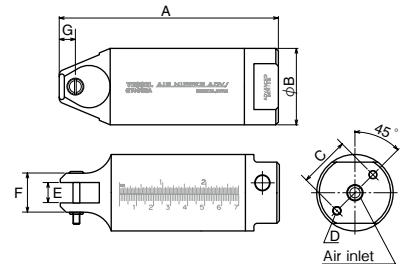
**Air Nipper Round Type without Lever, ADV**

**GT-NR20A/30A**

- The nipper that has about 20% more pressurized force than the existing NR20 series and 50% more than the NR30.
- The air inlet position can be adjusted 180 degrees, so it can be changed freely according to the mounting position of the main unit.
- Scale is on the lateral side.
- Blades are OPTION.



※The photo represents GT-NR30A.



RoHS

**Reference**

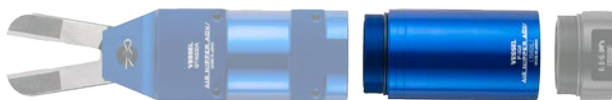
Capacityφ (mm)				Code No.	Model No.	Size(mm)						Air Consumption (cm <sup>3</sup> /str)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F						G
8.0	5.5	3.0	2.4	360027	GT-NR20A	129	45	30	M5 Depth12	12	23	9.5	262	0.4~0.6	269.5	Rc1/8	034700
11.0	7.0	4.5	3.0	360028	GT-NR30A	170	56	30	M6 Depth12	117	30	10.5	648	0.5~0.6	496.0	Rc1/8	035158

※The capacity is for reference only, when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※Make sure in advance of the product dimensions for installation to dedicated or automated machine. (Frame outer dimension, screw size, distance between screws, etc.)  
 ※Working air hose inner dia.: 5mm ※Overall length and Weight: Accessories not included. ※Use an optional stand (NR20ST, NR30ST) for installation in equipment.

**Booster Unit ADV**

**P-20A/30A**

- Booster unit dedicated to the ADV series. • The booster unit that has about 20% more pressurized force than the existing P series.
- For the application that the originally expected pressurized force cannot be obtained because of the limit of the space and the air pressure.



※The photo represents P-30A.



RoHS

**Reference**

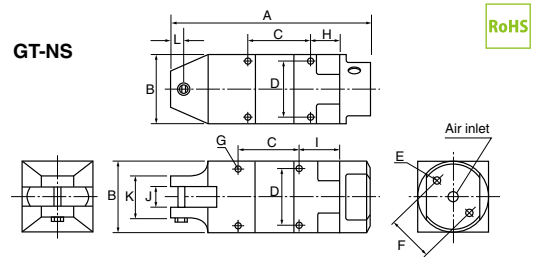
Capacityφ (mm)				Code No.	Model No.	Size(mm)		Air Consumption (cm <sup>3</sup> /str)	Air Pressure (MPa)	Weight (g)	Applicable Nippers (GT-)	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B					
9.0	6.5	3.4	2.6	360055	P-20A	87	45	538	~0.5	164	NS20A/NR20A	034717
14.0	8.0	5.5	4.5	360056	P-30A	92	56	744	~0.5	266	NS30A/NR30A	035189

※The capacity is for reference only, when mounting a standard blade. Subject to the blade type and the material of the product to cut. The total length and the weight will be the sum of the one of the nipper and the booster unit that is attached.  
 ※Dedicated to the ADV series. Cannot be attached to the existing model (GT-NS/NR).

**Square Air Nippers**

**GT-NS3/5/7/10L/20/30**

- For gate cutting of resin molded products, automatic welding machines, wire coiling machines, and various other types of wire cutting. A wide variety of blades are available.
- Blades are OPTION.



RoHS

- 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**

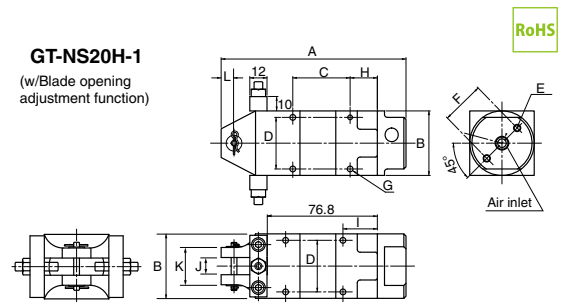
Capacity φ(mm)				Code No.	Model No.	Size(mm)											Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K						L
2.0		1.0	0.5	360012	GT-NS3	110	23	40	19	M3 Depth8	17	M3 Depth3.5	19	24	7	23	7	45	0.4~0.5	95	Rc 1/8	308115
2.0		1.0	0.5	360013	GT-NS5	94	30	30	24	M4 Depth10	20	M3 Depth5	14	19	7	23	7	64	0.4~0.5	135		308122
3.0	2.0	1.6	1.0	360014	GT-NS7	113	36	30	28	M4 Depth10	24	M4 Depth5.5	18	23	9	23	7	116	0.4~0.5	215		308139
4.0	2.6	1.8	1.2	360009	GT-NS10L	113	36	30	28	M4 Depth10	24	M4 Depth5.5	18	23	12	26	7	116	0.5~0.6	215		308146
7.0	5.0	2.6	2.0	360010	GT-NS20	129	45	40	36	M5 Depth12	30	M4 Depth7	19	24	12	26	9	230	0.5~0.6	370		308153
10.0	6.5	3.3	2.8	360011	GT-NS30	170	56	60	46	M6 Depth12	40	M5 Depth10	20	30	17	36	15	584	0.5~0.6	685		308160

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※Working air hose inner dia.: 5mm  
 ※Overall length and Weight: Accessories not included.  
 \*Make sure in advance of the product dimensions for installation to dedicated or automated machine. (Frame outer dimension, screw size, distance between screws, etc.)  
 \*GT-NS3~GT-NS10L are with blade opening adjustment function. GT-NS50 with this function is by made-to-order. Please contact us.

**Square Air Nippers (w/Blade opening adjustment function)**

**GT-NS20H-1/30H-1**

- For gate cutting of resin molded products, automatic welding machines, winding machines, and various other types of wire cutting.
- Equipped with a screw for the blade opening adjustment.
- Blades are OPTION.



RoHS

**Reference**

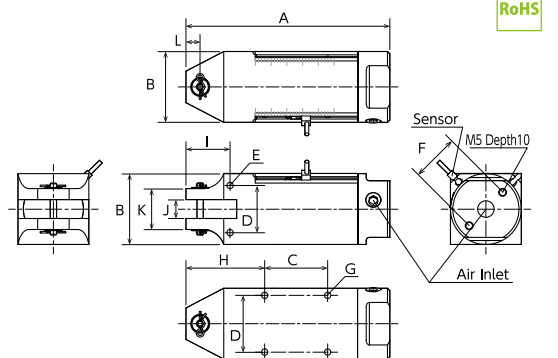
Capacity φ(mm)				Code No.	Model No.	Size(mm)											Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K						L
7.0	5.0	2.6	2.0	360021	GT-NS20H-1	129	45	40	36	M5 Depth12	30	M4 Depth7	19	24	12	26	9	230	0.5~0.6	453	Rc 1/8	014702
10.0	6.5	3.3	2.8	360022	GT-NS30H-1	170	56	60	46	M6 Depth12	40	M5 Depth10	20	30	17	36	15	584	0.5~0.6	809		015112

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※Working air hose inner dia.: 5mm  
 ※Overall length and weight: Accessories not included.

**Square Air Nipper w/Sensor**

**GT-NS20SR**

- Nipper operation can be detected with the sensor.
- Scales on the top-surface of the body for sensor position adjustment.
- The screw holes for body mounting is on the bottom and the lateral side.
- The air inlet position can be adjusted 180 degrees, so it can be changed freely according to the mounting position of the body.
- Blades are OPTION.



RoHS

**Reference**

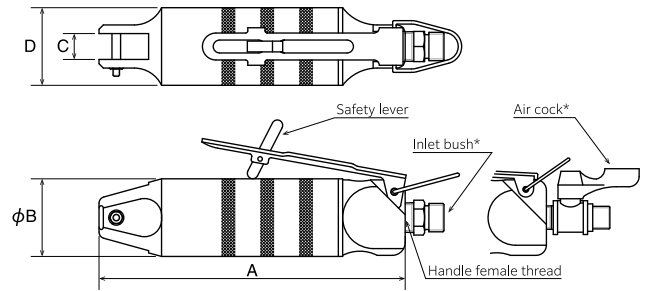
Capacity φ(mm)				Code No.	Model No.	Size(mm)											Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K						L
7.0	5.0	2.6	2.0	360034	GT-NS20SR	129	45	40	30	M5 Depth10	30	M4 Depth7	50	28	12	26	9	230	0.5~0.6	404.5	Rc1/8	035141

※The capacity is for reference only when mounting a standard blade, and is subject to the blade type and the material of the product to cut.  
 ※Make sure in advance of the product dimensions for mounting in the dedicated or automated machine. (Frame outer dimension, screw size, distance between screws, etc.)  
 ※Working air hose inner dia.: 4mm ※Overall length and Weight: Accessories not included. The tightening torque of a screw ("G" in the above diagram) to mount the nipper body is 1.5N·m.

Air Nippers with Safety Lever

GT-NL

- For cutting plastic and steel, or for crimping work.
- With the made-to-order blades, the supported range of applications is endless.
- Safer and more efficient. Less fatigue.
- Blades are OPTION.



Reference

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Handle Female Thread dia.	Hose coupling	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D						
2.0		1.0	0.5	360771	GT-NL3	112	23	7	14	45	0.4~0.5	70	Rc 1/8	Rc 1/4	035257
2.0		1.0	0.5	360772	GT-NL5	103	30	7	17	64	0.4~0.5	110			035264
3.0	2.0	1.6	1.0	360773	GT-NL7	123	34	9	17	116	0.4~0.5	150			035271
4.0	2.6	1.8	1.2	360774	GT-NL10	132	34	9	17	116	0.5~0.6	215	Rc 1/4	Rc 1/4	035288
4.5	4.0	2.3	1.7	360775	GT-NL12	142	36	12	20	116	0.5~0.6	280			035295
7.0	5.0	2.6	2.0	360776	GT-NL20	148	45	12	23	230	0.5~0.6	505			035301
10.0	6.5	3.3	2.8	360777	GT-NL30	185	56	17	30	584	0.5~0.6	1,190	Rc 1/4	Rc 1/4	035318
12.0	6.5	5.5	4.5	360778	GT-NL50	237	75	25.2	43	1,170	0.5~0.6	1,005			035325

The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※Working air hose inner dia.: 5mm ※Overall length / Weight: Accessories not included.

The existing GT-N will be discontinued as soon as the stock runs out, and the GT-NL will be the replacement model after the discontinuation.

Air Nipper Round-Type without Lever

GT-NR3/5/7/10L/20/30/50

- The air inlet position can be adjusted 180 degrees, so it can be changed freely according to the mounting position of the main unit. (except GT-NR50F)
- Blades are OPTION.

RoHS

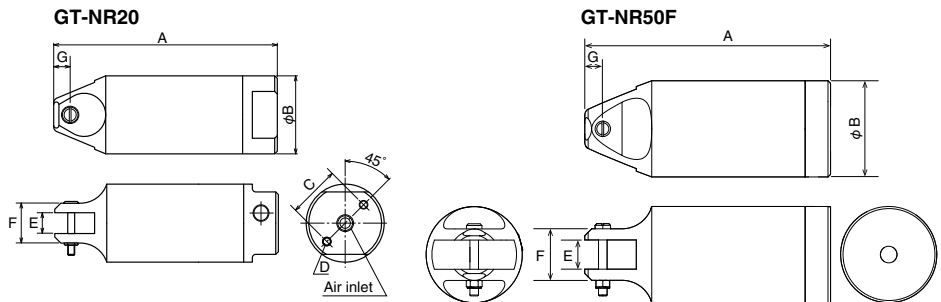


GT-NR20

• The NR20 is with a scale on both side of the body.



GT-NR50F



Reference

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)							Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G					
2.0		1.0	0.5	360015	GT-NR3	110	23	17	M3 Depth8	7	14	7	45	0.4~0.5	70	Rc 1/8	308214
2.0		1.0	0.5	360016	GT-NR5	94	30	20	M4 Depth10	7	17	7	64	0.4~0.5	110		308221
3.0	2.0	1.6	1.0	360017	GT-NR7	113	34	22	M4 Depth10	9	17	7	116	0.4~0.5	150		308238
4.0	2.6	1.8	1.2	360018	GT-NR10L	113	36	24	M4 Depth10	12	20	7	116	0.5~0.6	215		308245
7.0	5.0	2.6	2.0	360019	GT-NR20	129	45	30	M5 Depth12	12	23	9.5	230	0.5~0.6	280		308252
10.0	6.5	3.3	2.8	360020	GT-NR30	165	56	40	M6 Depth12	17	30	10.5	584	0.5~0.6	505	Rc 1/4	308269
		5.5	4.5	360024	GT-NR50	222	75	50	M8 Depth12	25.2	43	15	1,170	0.5~0.6	1,190		308276
				360026	GT-NR50F	158	75	-	-	17	31	9	1,212	0.5~0.6	1,005		014689

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.

※Make sure in advance of the product dimensions for installation to dedicated or automated machine. (Frame outer dimension, screw size, distance between screws, etc.)

※Use the NR50ST (option) for installation of the GT-NR50F.

※Working air hose inner dia.: 5mm ※Overall length, weight: Accessories not included.

**Blade Opening Adjustment End-Cap**

- Optional part for reducing the blade opening width.
- Can adjust with a screw at the rear of the end-cap.



Code No.			Hose Coupling	Applicable Nippers (GT-)	JAN (4907587)
	Length	Outer dia.			
855166	4	23	Rc1/8	NS3, NR3	-
855167	7	30	Rc1/8	NS5, NR5	-
855168	7	34	Rc1/8	NR7	-
855169	7	36	Rc1/8	NS7, NS 10L, NR10L	-
855170	12	45	Rc1/8	NS20, NR20	-
855171	8	56	Rc1/8	NS30, NR30	-
854922	16	45	Rc1/8	NS20A, NR20A	-
854923	14	56	Rc1/8	NS30A, NR30A	-

**Extra Pressure Boosters**

**P-10L/20/30/50**

- For the application that the originally required pressure cannot be obtained because of the limit of the space and the air pressure.



**Reference**

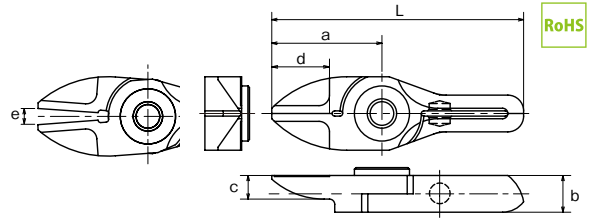
Capacity φ(mm)				Code No.	Model No.	Size(mm)		Air Consumption (cm³/str.)	Air Pressure (MPa)	Applicable Models	Weight (g)	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B					
5.0	4.0	2.6	1.6	360051	<b>P-10L</b>	71	36	223	Up to 0.5	NL12, NS10L, NR10L	115	318008
8.0	6.0	3.0	2.2	360052	<b>P-20</b>	87	45	508	Up to 0.5	NL20, NS20, NR20	215	318015
13.0	7.0	4.8	4.0	360053	<b>P-30</b>	92	56	956	Up to 0.5	NL30, NS30, NR30	330	318022
		6.5	5.5	360054	<b>P-50</b>	133	75	2,670	Up to 0.5	NL50, NR50	840	318039

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
 ※The overall length and the weight are for the pressure booster only. When attached, the total length will be the sum of the nipper body and the booster.

Straight blades for plastic

AJ/RAJ

Plastic AJ/Upright blade with an unbeveled cutting edge. Can be applied at a right angle to the gate. RAJ/Reversed blade of RAJ/AJ type.



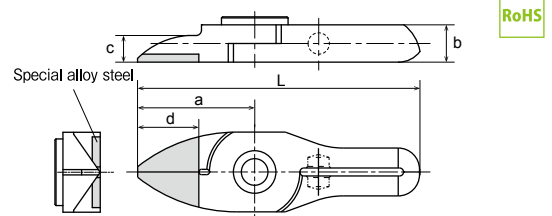
NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
2.0	1.3			360591	NY03AJ	21	7	4.5	11.5	3	48	17	GT-NY03G(-4) / NF03	370662
2.0	1.3			360594	NY03RAJ	21	7	4.5	11.5	3	48	17	GT-NY03GR(-4) / NF03	370693
3.0	2.0			360551	NY05AJ	22	7	5	11.5	4	53	22	GT-NY05(-4) / NF05	370341
3.0	2.0			360556	NY05RAJ	22	7	5	11.5	4	53	22	GT-NY05R(-4) / NF05	370396
3.5	2.3			360561	NY10AJ	24	7.2	5	13.5	6	57	28	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370433
3.5	2.3			360566	NY10RAJ	24	7.2	5	13.5	6	57	28	GT-NY10R(-4) / NY10GR(-4) / NF10 / NY10S	370488
4.0	2.6			360571	NY15AJ	27	8.2	5.5	14.5	8	65	41	GT-NY15(-4) / NF15	370518
4.0	2.6			360576	NY15RAJ	27	8.2	5.5	14.5	8	65	41	GT-NY15R(-4) / NF15	370563
5.0	3.4			360583	NY25AJ	31	10	6	17.5	9	77	65	GT-NY25(-6) / NY25S / NF25	370594
5.0	3.4			360587	NY25RAJ	31	10	6	17.5	9	77	65	GT-NY25R(-6) / NY25S / NF25	370631

Straight blades for plastic (Carbide tipped)

AJB/RAJB

Plastic AJB/Carbide tipped (brazing), for cutting hard plastic or glass-fiber containing plastic.



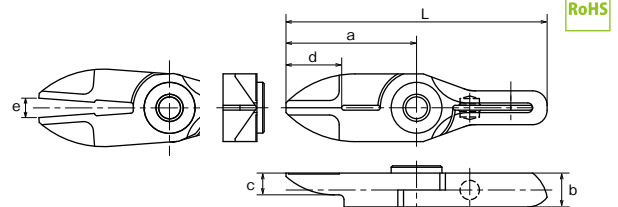
NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
3.0	2.0			360553	NY05AJB	22	7	5	11.5	4	53	22	GT-NY05(-4) / NF05	370365
3.0	2.0			360579	NY05RAJB	22	7	5	11.5	4	53	22	GT-NY05R(-4) / NF05	008978
3.5	2.3			360563	NY10AJB	24	7.2	5	13.5	6	57	28	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370457
3.5	2.3			360580	NY10RAJB	24	7.2	5	13.5	6	57	28	GT-NY10R(-4) / NY10GR(-4) / NY10S / NF10	008985
4.0	2.6			360573	NY15AJB	27	8.2	5.5	14.5	8	65	41	GT-NY15(-4) / NF15	370532
4.0	2.6			360581	NY15RAJB	27	8.2	5.5	14.5	8	65	41	GT-NY15R(-4) / NF15	008992
5.0	3.4			360585	NY25AJB	31	10	6	17.5	9	77	72	GT-NY25(-6) / NY25S / NF25	370617
5.0	3.4			360582	NY25RAJB	31	10	6	17.5	9	77	72	GT-NY25R(-6) / NY25S / NF25	009005

Straight long blades for plastic

AJL/RAJL

Plastic AJL/Long type of straight blade. Effective when there is a distance between the nipper and the cutting point of the gate of the workpiece.

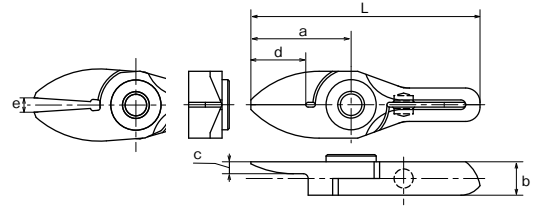


NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
1.6	1.1			360592	NY03AJL	27	7	4.5	11.5	4	54	21	GT-NY03G(-4) / NF03	370679
1.6	1.1			360595	NY03RAJL	27	7	4.5	11.5	4	54	21	GT-NY03GR(-4) / NF03	009913
2.8	1.6			360552	NY05AJL	31	7	5	11.5	5.5	62	29	GT-NY05(-4) / NF05	370358
2.8	1.6			360596	NY05RAJL	31	7	5	11.5	5.5	62	29	GT-NY05R(-4) / GT-NF05	009920
3.2	2.1			360562	NY10AJL	33	7.2	5	13.5	8	66	37	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370440
3.2	2.1			360597	NY10RAJL	33	7.2	5	13.5	8	66	37	GT-NY10R(-4) / NY10GR(-4) / NY10S / NF10	009937
3.7	2.3			360572	NY15AJL	38	8.2	5.5	14.5	11	76	50	GT-NY15(-4) / NF15	370525
3.7	2.3			360598	NY15RAJL	38	8.2	5.5	14.5	11	76	50	GT-NY15R(-4) / GT-NF15	009944
4.7	3.0			360584	NY25AJL	46	10	6	17.5	13	92	88	GT-NY25(-6) / NY25S / NF25	370600
4.7	3.0			360599	NY25RAJL	46	10	6	17.5	13	92	88	GT-NY25R(-6) / NY25S / NF25	009951

Thin, straight blades for plastic | AJT

Plastic AJT/This is a set of straight blades with a thin cutting edge. It can cleanly trim cross sections without remnants. RoHS

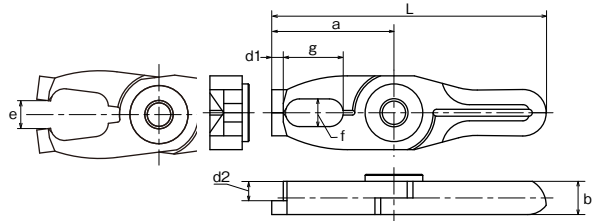


NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
2.0	1.3			360593	NY03AJT	21	7	2.5	11.5	3	48	17	GT-NY03G(-4) / NF03	370686
3.0	2.0			360554	NY05AJT	22	7	3	11.5	4	53	21	GT-NY05(-4) / NF05	370372
3.5	2.3			360564	NY10AJT	24	7.2	3	13.5	6	57	26	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370464
4.0	2.6			360574	NY15AJT	27	8.2	3.5	14.5	8	65	38	GT-NY15(-4) / NF15	370549

Over-ride blades for plastic | AD

Plastic AD/This is used for batch processing of the three-dimensional gate such as ride gate. RoHS

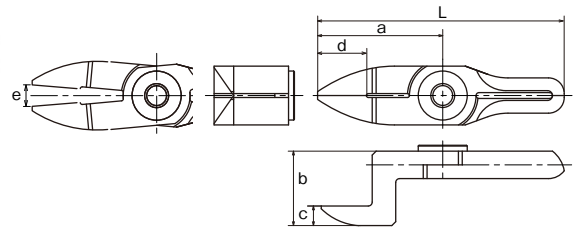


NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)			Effective length(mm)		e(mm)	L(mm)	Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	f×g	d1	d2					
2.3	1.6			360568	NY10AD	26.5	7.2	6×13	2.5	4.2	6	59.5	31	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370501
2.6	2.2			360578	NY15AD	30	8.2	7×14	3	4.7	8	68	45	GT-NY15(-4) / NF15	370587
3.3	2.0			360589	NY25AD	35	10	8×17	4	6	9	81	75	GT-NY25(-6) / NY25S / NF25	370655

Crank blades for plastic | AH/RAH

Plastic AH/Crank shaped blade for plastic. Effective when there are obstacles in the way or the gate section is too narrow. RoHS  
 RAH/Reversed blade of AH type that is used when the nippers are installed facing each other.

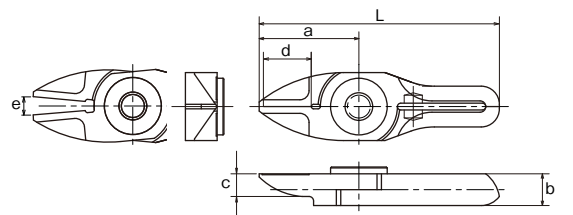


NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
3.0	2.0			360555	NY05AH	31	19	5	11.5	5.5	62	37	GT-NY05(-4) / NF05	370389
3.0	2.0			360557	NY05RAH	30	12	5	11.5	5	61	31	GT-NY05R(-4) / NF05	370402
3.5	2.3			360565	NY10AH	33	20	5	13.5	8	66	43	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S	370471
3.5	2.3			360567	NY10RAH	32	12.2	5	13.5	7	65	36	GT-NY10R(-4) / NY10GR(-4) / NF10 / NY10S	370495
4.0	2.6			360575	NY15AH	38	21.5	5.5	14.5	11	76	63	GT-NY15(-4) / NF15	370556
4.0	2.6			360577	NY15RAH	35	13.2	5.5	14.5	9	73	52	GT-NY15R(-4) / NF15	370570
5.0	3.4			360586	NY25AH	46	24	6	18.5	13	92	110	GT-NY25(-6) / NY25S / NF25	370624
5.0	3.4			360588	NY25RAH	42	16	6	17.5	12	88	89	GT-NY25R(-6) / NY25S / NF25	370648

Straight blades for metal | BJ/RBJ

Metal BJ/Upright type blade for metal with an unbeveled cutting edge. RoHS  
 RBJ/Reversed blade of BJ type.



RoHS NY NF

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
	2.0	1.0	1.6	360558	NY05BJ	22	7	5	11.5	4	53	22	GT-NY05(-4) / NF05	370419
	2.0	1.0	1.6	360559	NY05RBJ	22	7	5	11.5	4	53	22	GT-NY05R(-4) / NF05	370426

**Straight Blade - Single Cutting Edge (Carbide tipped)**

**IRBJB**

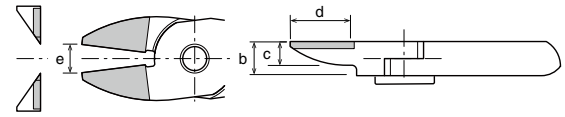


Straight shape blade (flat shape) for metal.  
The carbide tips are brazed on the cutting edges for further improved durability.

RoHS



NY10RBJB



**NY NF**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
		1.0	0.5	360506	<b>NY03RBJB</b>	21	7	4.5	10.5	3	48	17	GT-NY03GR / NF03	035660
		1.6	1.0	360507	<b>NY05RBJB</b>	22	7	5	10.5	4	53	24	GT-NF05	035677
		1.7	1.1	360508	<b>NY10RBJB</b>	24	7.2	5	12	6	57	29	GT-NF10	035684
		1.8	1.2	360509	<b>NY15RBJB</b>	27	8.2	5.5	13	8	65	41	GT-NF15	035691
		2.2	1.6	360510	<b>NY25RBJB</b>	31	10	6	16	9	77	70	GT-NY25R / 25S / NF25	035707

**Straight blades for plastic**

**AJ/AJH/AJB**

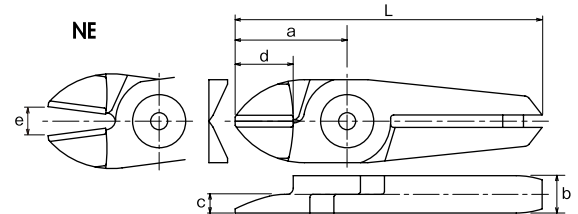
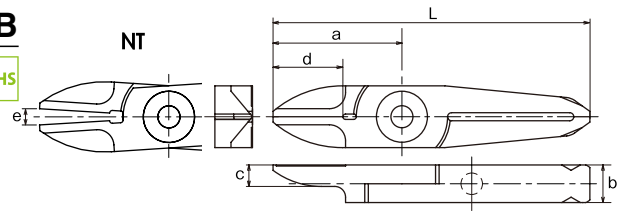


AJ/Upright blade with an unbeveled cutting edge. Can be applied at a right angle to the gate.

AJH/HSS tipped (brazing) for cutting hard plastic.

AJB/Carbide tipped (brazing), for cutting hard plastic or glass-fiber containing plastic. Improved durability.

RoHS



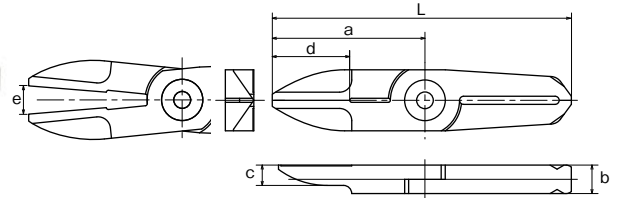
**NT**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
1.5	1.0			360511	<b>NT03AJ</b>	24	7	4	13	3	59	20	GT-NT03 types	370037
2.5	1.5			360512	<b>NT05AJ</b>	29	7	5	17.5	6	65	30	GT-NT05 types	370044
2.5	1.5			360534	<b>NT05AJH</b>	29	7	5	17.5	6	65	30		370198
2.5	1.5			360515	<b>NT05AJB</b>	29	7	5	17.5	6	65	30		370075
2.5	1.5			360184	<b>NE5AJ</b>	24	7	3.5	12	6	60	35	GT-NT10 types	372444
3.5	2.3			360513	<b>NT10AJ</b>	35	9	6	21	7	82	62		370051
3.5	2.3			360539	<b>NT10AJH</b>	35	9	6	21	7	82	76		370242
3.5	2.3			360518	<b>NT10AJB</b>	35	9	6	21	7	82	76	GT-NT20 types	370105
3.5	2.3			360185	<b>NE10AJ</b>	27	9	4.5	12	7	74	70		372451
5.0	3.4			360514	<b>NT20AJ</b>	40	12	6	24	9	97	120	GT-NT20 types	370068
4.5	3.2			360544	<b>NT20AJH</b>	40	12	6	24	9	97	120		370297
5.0	3.4			360543	<b>NT20AJB</b>	40	12	6	24	9	97	120		370280

### Straight long blades for plastic | AJL

**Plastic** AJL/This is a long type set of straight blades. This is useful when there is distance between the nipper and the gate cut portion of the molded object.

RoHS



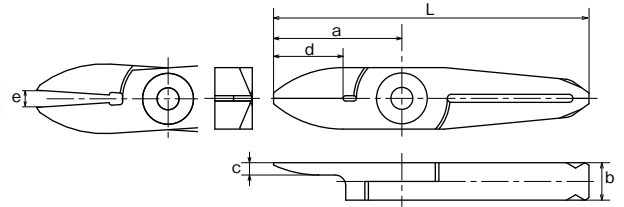
NT

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L			
2.0	1.3			360516	NT05AJL	36	7	5	17.5	7	72	39	GT-NT05 types	370082
3.0	2.0			360520	NT10AJL	47	9	6	21	9	94	62	GT-NT10 types	370129
4.5	3.2			360541	NT20AJL	57	12	6	24	12	114	156	GT-NT20 types	370266

### Thin, straight blades for plastic | AJT

**Plastic** AJT/This is a set of straight blades with a thin cutting edge. It can cleanly trim cross sections without remnants.

RoHS



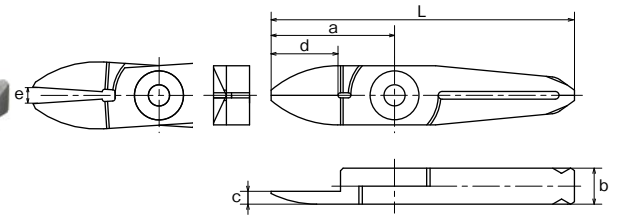
NT

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L			
1.5	1.0			360526	NT03AJT	24	7	2.3	13	3	59	19	GT-NT03 types	370143
2.5	1.5			360531	NT05AJT	29	7	3	17.5	6	65	29	GT-NT05 types	370167
3.5	2.3			360536	NT10AJT	35	9	4	21	7	82	65	GT-NT10 types	370211

### Thin, straight blades for plastic (approaching to a gate) | AJY

**Plastic** AJY/This is effective when the width between the opposing gates is too short and the blade cannot go in due to its thickness.

RoHS



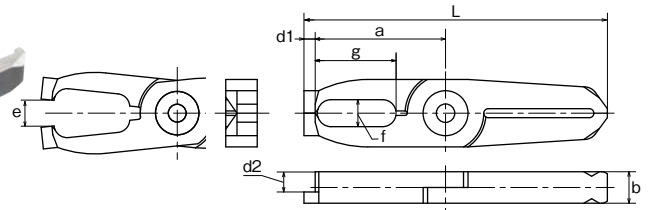
NT

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L			
1.5	1.0			360527	NT03AJY	24	7	2.5	13	3	59	19	GT-NT03 types	370150
2.5	1.5			360532	NT05AJY	29	7	3	17.5	6	65	29	GT-NT05 types	370174
3.5	2.3			360537	NT10AJY	35	9	4	21	7	72	82	GT-NT10 types	370228

### Over-ride blades for plastic | AD

**Plastic** AD/This is used for batch processing of the three-dimensional gate such as ride gate.

RoHS



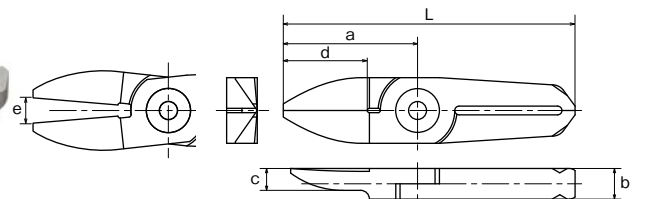
NT

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)			Effective length(mm)		e(mm)	L(mm)	Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	f×g	d1	d2					
2.5	1.2			360533	NT05AD	31.5	7	6×18	2.5	4.5	6	67.5	37	GT-NT05 types	370181
3.5	2.1			360538	NT10AD	39	9	8×21.5	4	5	7	86	65	GT-NT10 types	370235
5.0	2.0			360542	NT20AD	46	12	9×24.5	6	7	9	103	141	GT-NT20 types	370273

### V shaped straight blades for plastic | AJV

**Plastic** AJV/This is suitable for gate processing when the cross section is curved or the cut end must not be left.

RoHS



NT

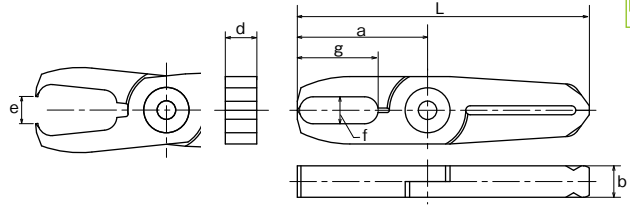
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L			
2.5	1.5			360535	NT05AJV	29	7	5	17.5	6	65	29	GT-NT05 types	370204
3.5	2.3			360540	NT10AJV	35	9	6	21	7	82	63	GT-NT10 types	370259

Nipping blades for plastic

AE

Plastic AE/Used for processing plastic gates such as ride gates and discard gates.

RoHS



NT

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	f×g	d: Effective Length	e				L
2.5	1.3			360517	NT05AE	29	7	6×18	7	6	65	36	GT-NT05 types	370099
3.5	2.1			360519	NT10AE	35	9	8×21.5	9	7	82	75	GT-NT10 types	370112

NM Blades

NM

NM blades eliminate troubles caused by spring breakage. Can be mounted on the VESSEL current air nippers. Periodic replacement of spring is no more necessary as the magnet works semi-permanently.  
 ● Patented.

RoHS

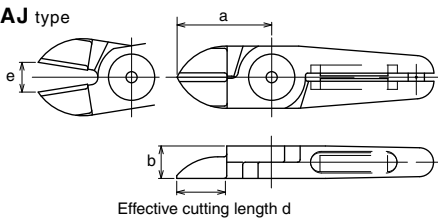


- Ideal for around-the-clock operations
- Semi-permanent magnetic force
- Compatible with our standard nipper bodies

NS NL NR NB

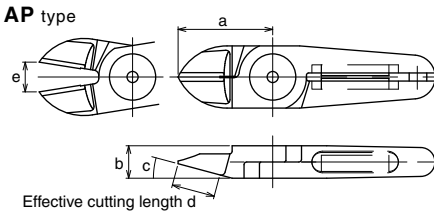
Straight Thin

AJ type



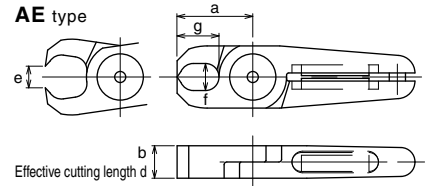
For plastic parts

AP type



Nipping type / For plastic parts

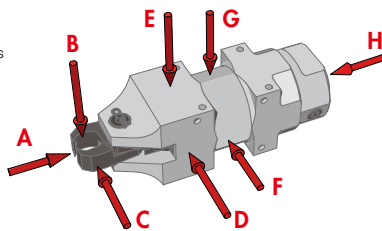
AE type



Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d	e				f×g
7.0	5.0			360246	NM20AJ	35	12	-	18	11	-	116	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372765
7.0	5.0			360247	NM20AP	35	12	15	16	11	-	124	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372772
7.0	5.0			360248	NM20AE	28	12	-	12	8	10×15.5	129	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372789
10.0	6.5			360261	NM30AJ	52	17	-	28	14	-	360	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372918
10.0	6.5			360262	NM30AP	66	17	15	38	16	-	380	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372925
10.0	6.5			360263	NM30AE	45	17	-	17	12	13×28	358	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372932

※Customization also available upon request.

CAUTION  
Powerful magnet is used.



Result of magnetic force measurement

If a magnetic sensor for operation check is installed nearby, please confirm the magnetic force level in the following diagram.

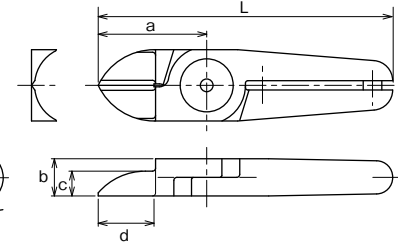
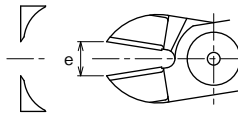
Model No.	A	B	C	D	E	F	G	H
NM20AE	85	10	10	5	32	5	2	0
NM30AE	34	8	8	6	42	15	30	3

Measurement unit: Gauss Measurement device: Gaussmeter GM-1200 manufactured by DENSHIJIKI INDUSTRY Co., Ltd.

Straight blades - Double Cutting Edge

AJ/AJB

Plastic AJ/Upright blade with an unbeveled cutting edge for plastic. Can be applied at a right angle to the gate.  
Metal



RoHS

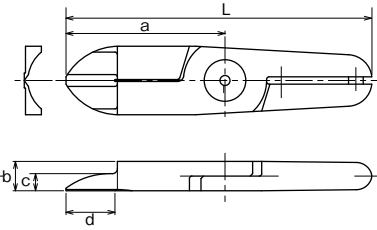
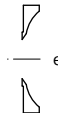
NS NL NR NB

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length				e	L
7.0	5.0			360152	N20AJ	35	12	8	18	11	95	125	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372246
7.0	5.0	2.6	2.0	360381	N20AJB	35	12	8	18	11	95	125	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378712
10.0	6.5			360169	N30AJ	52	17	8	28	14	136	370	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372352
10.0	6.5	3.3	2.0	360162	N30AJB	52	17	7.5	25	14	136	349	GT-NS30 (A) / NL30 / NR30 (A) / NB30	035837

Straight long blades for plastic

AJL

Plastic AJL/Long type of straight blade. Effective when there is a distance between the nipper and the cutting point. N30AJ163 is useful for cutting the wide gate.  
The image is N20AJL. N20AJL is with screw stopper.



RoHS

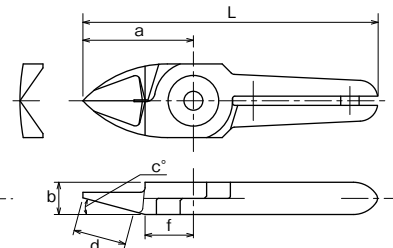
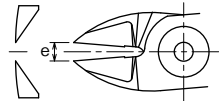
NS NL NR NB

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length				e	L
3.5	2.0			360369	N10LAJ141	61	12	7	34	10	115	165	GT-NS10L / NR10L	378590
6.0	4.0			360150	N20AJL	65	12	7	20	16	125	230	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372222
6.5	4.5			360376	N20AB39	61	12	7	36	14	121	185	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378668
8.0	5.0			360389	N30AJ163	65	17	7	41	17.5	149	355	GT-NS30 (A) / NL30 / NR30 (A) / NB30	378798
8.0	5.0			360170	N30AJL	75	17	8	25	19	159	470	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372369

Standard blades for plastic

AP

Plastic AP/Standard blade for cutting plastic. A large curve is on the cutting surface to support the gate whose cut edge must not be left. (The cutting edge is angled.)



RoHS

NS NL NR NB

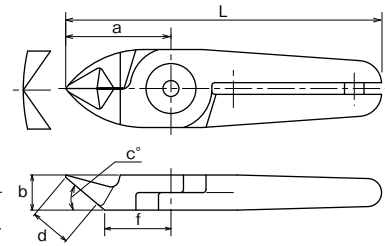
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)			
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d: Effective Length				e	f	L
2.0				360104	N3AP	24	7	15	11.5	4	10.5	64	35	GT-NS3 / NL3 / NR3	372031
2.0				360114	N5AP	24	7	15	11.5	4	10.5	64	40	GT-NS5 / NL5 / NR5	372086
3.0	2.0			360124	N7AP	27	9	30	11.5	4	14.5	81	80	GT-NS7 / NL7 / NR7	372123
4.0	2.6			360134	N10AP	27	9	30	11.5	5	14.5	91	85	GT-NL10	372185
4.0	2.6			360182	N10LAP	35	12	15	16	5	15	89	120	GT-NS10L / NR10L	372420
4.5	4.0			360144	N12AP	35	12	15	16	5	15	105	135	GT-NL12	372215
7.0	5.0			360155	N20AP	35	12	15	16	11	15	95	125	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372253
10.0	6.5			360165	N30AP	66	17	15	38	16	24	150	380	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372321

Flat blades for plastic

PF



Plastic PF/Blade for cutting plastic, making the cut surface flat. A large curve is on the cutting surface to support the gate whose cut edge must not be left.



RoHS

NS NL NR NB

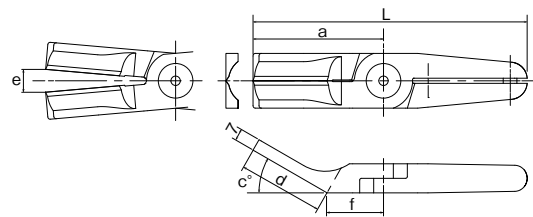
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d: Effective Length	e	f				L
3.0	2.0			360127	<b>N7PF</b>	27	9	40	10.5	4	17	81	80	GT-NS7 / NL7 / NR7	372147
4.0	2.6			360183	<b>N10LPF</b>	35	12	40	13.5	5	21	89	120	GT-NS10L / NR10L	372437
7.0	5.0			360160	<b>N20PF</b>	35	12	40	13.5	11	21	95	130	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372307
10.0	6.5			360167	<b>N30PF</b>	58	17	30	25	15	33	142	390	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372345

Flat long blades for plastic

N50FPFL



Plastic PF/Blade for plastic that makes the cut surface flat. Cutting capacity: Soft plastic  $\phi$ 9.5mm, Hard plastic  $\phi$ 5.5mm



RoHS

NR

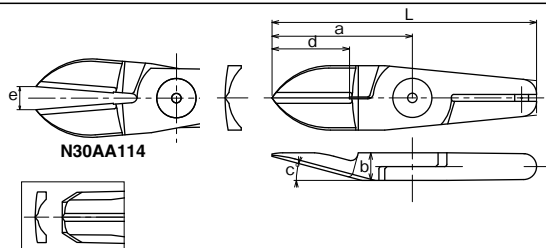
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d: Effective Length	e	f				L
9.5	5.5			360179	<b>N50FPFL</b>	76	31	30	50	35	76.3	160	394	GT-NR50F	014696

R blades for plastic

LAB/AA/AB



Plastic A large curve is on the cutting surface to support the gate whose cut edge must not be left. Angled blades can be chosen to match the installation angle of the nipper.



RoHS

NS NL NR NB

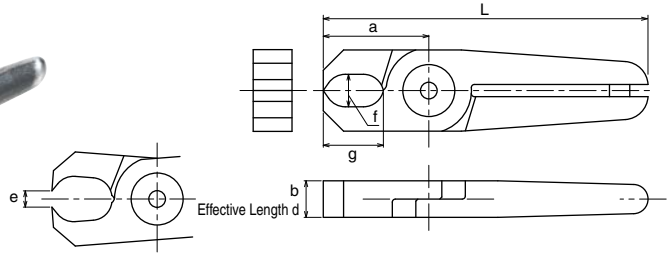
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d: Effective Length	e	L			
3.5	2.0			360367	<b>N10LAB152</b>	61	12	15	35	10	115	165	GT-NS10 / NR10L	378576
6.5	4.5			360373	<b>N20AA27</b>	45	12	23	25	12	105	145	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378637
6.5	4.5			360372	<b>N20AA239</b>	52.3	12	40	27	14	112.3	195	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378620
6.5	4.5			360375	<b>N20AB360</b>	61	12	15	35	16	121	185	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378651
8.0	5.0			360386	<b>N30AA114</b>	76.3	17	30	50	20	160.3	385	GT-NS30 (A) / NL30 / NR30 (A) / NB30	378767
7.0	5.0			360374	<b>N20AA361</b>	(48.9)	12	60	40	14	(108.9)	188	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378644
4.0	2.6			360368	<b>N10LAB2</b>	61	12	-	36	10	115	159	GT-NS10L / NR10L	378583
10.0	6.5			360387	<b>N30AA160</b>	(76.3)	17	30	44	19	(160.3)	400	GT-NS30(A) / NL30 / NR30(A) / NB30	378774

Nipping blades for plastic

AE

Plastic AE/For cutting plastic gates such as over-ride gate and discard gate.

RoHS



NS NL NR NB

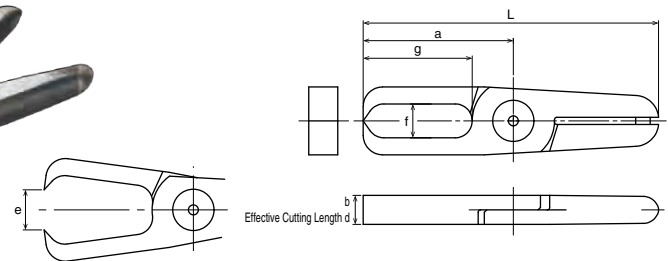
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	f×g	d: Effective Length				e	L
2.0				360108	N3AE	20	7	6×11	7	3.5	60	35	GT-NS3 / NL3 / NR3	372055
2.0				360118	N5AE	20	7	6×11	7	3.5	60	40	GT-NS5 / NL5 / NR5	372093
3.0	2.0			360126	N7AE	26	9	8×14.8	9	4	80	85	GT-NS7 / NL7 / NR7	372130
7.0	5.0			360158	N20AE	28	12	10×15.5	12	8	88	135	GT-NS20 (A) / NL20 / NR20 (A) / NB20	372284
10.0	6.5			360166	N30AE	45	17	13×28	17	12	129	395	GT-NS30 (A) / NL30 / NR30 (A) / NB30	372338

Nipping blades for plastic

AE

Plastic AE/For cutting plastic gates such as over-ride gate and discard gate.

RoHS



NS NL NR NB

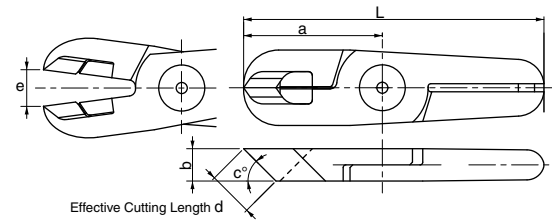
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	f×g	d: Effective Length				e	L
5.5	3.5			360378	N20AE1205	62	12	14×45	12	16.5	122	202	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378682
6.5	4.5			360173	N30AE2125	70	17	16×53	17	19.5	154	385	GT-NS30 (A) / NL30 / NR30 (A)	007292

Nipping blades for plastic (Angled)

N20AE19A

Plastic AE/For cutting plastic gates such as over-ride gate and discard gate. The cutting edge is angled so that the nipper can be diagonally installed.

RoHS



NS NL NR NB

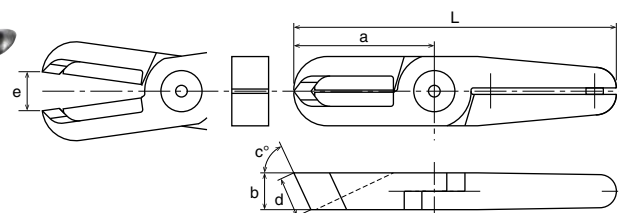
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c (°)	d: Effective Length				e	L
6.0	4.0			360382	N20AE19A	51.5	12	45	(17)	13.5	111.5	200	GT-NS20 (A) / NL20 / NR20 (A) / NB20	010186

Nipping blades for plastic (Angled)

N30AE53A

Plastic AE/For cutting plastic gates such as over-ride gate and discard gate. The cutting edge is angled so that the nipper can be diagonally installed.

RoHS



NS NL NR NB

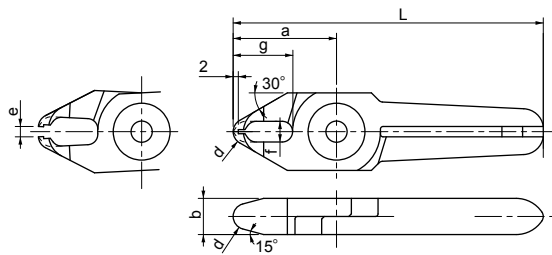
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c (°)	d: Effective Length				e	L
7.0	4.5			360395	N30AE53A	65	17	65	(18.7)	18	149	440	GT-NS30 (A) / NL30 / NR30 (A) / NB30	029744

### Nipping blade for pin gates

N3AE406



Plastic Nipping blade for pin gate. Useful for cutting the pin gate coming out from the depression or under the step of the workpiece at the bottom of the step.



RoHS

NS NL NR

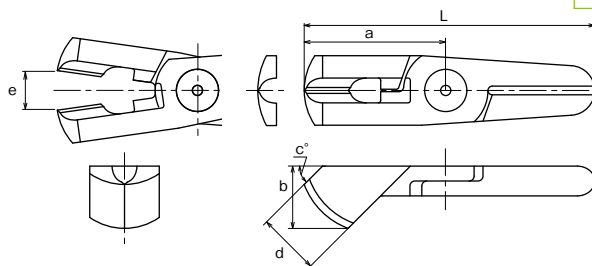
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	d:Effective Length	f×g	e	L			
1.5	0.8			360174	N3AE406	20	7	R2.5	4×11.5	3.5	60	34	GT-NS3H-1 / NL3 / NS3 / NR3	007308

### Nipping blades for sprue cut

N20AK249



Plastic Spherical cutting blade ideal for cutting sprue. The blade can be inserted securely even in narrow areas with ribs around the sprue, resulting in a very clean finish.



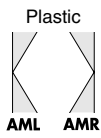
RoHS

NS NL NR NB

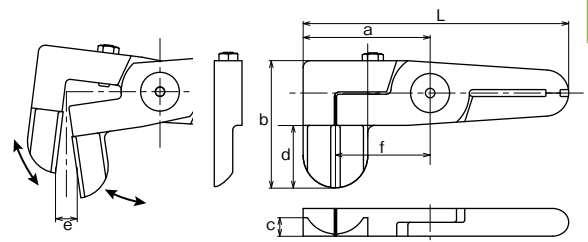
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d: Effective Length	e	L			
5.5	3.5			360383	N20AK249	57	25	45	25	14	117	240	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378736

Side opening blades for plastic

AML/AMR



AML/AMR For plastic with the cutting edge bent 90°. Effective for the narrow space where ordinary nippers cannot enter.



RoHS

NS NL NR NB

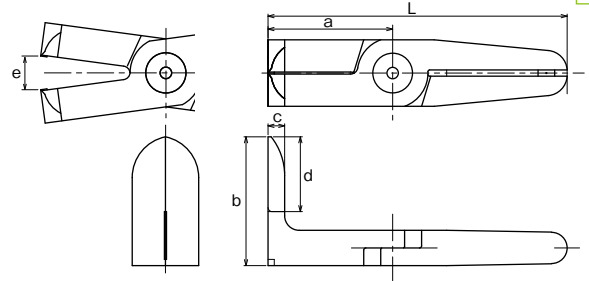
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)							Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	f	L			
10 x 1.5	8 x 1			360384	N20AML1498	55	55	8	26	9.5	41	115	270	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378743
10 x 1.5	8 x 1			360385	N20AMR1499	55	55	8	26	9.5	41	115	270	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378750
15 x 2.0	10 x 1.5			360370	N30AML1435	55	68	10	35	13	39	139	520	GT-NS30 (A) / NL30 / NR30 (A) / NB30	375520
15 x 2.0	10 x 1.5			360371	N30AMR1395	55	68	10	35	13	39	139	520	GT-NS30 (A) / NL30 / NR30 (A) / NB30	375537

L blades for sprue cut

N30AL525



90° angled long type of straight blade. Ideal for cutting the direct gates.



RoHS

NS NL NR NB

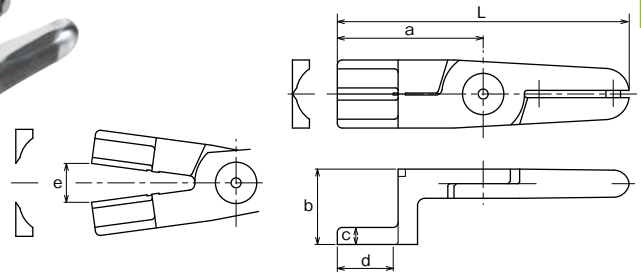
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)							Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L				
7.5	4.5			360390	N30AL525	60	62	8	36	16	144	520	GT-NS30 (A) / NL30 / NR30 (A) / NB30	378804	

Crank blades for plastic

N20AH



AH/Crank shaped blade for plastic. Effective when there are obstacles in the way or the gate section is too narrow.



RoHS

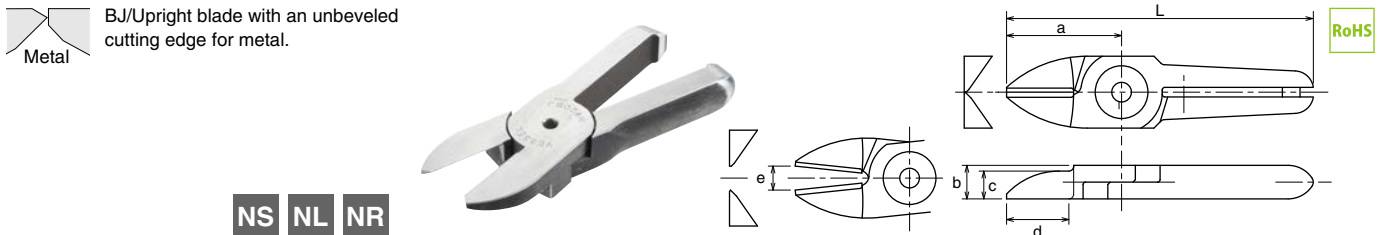
NS NL NR NB

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)							Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e	L				
6.0				360149	N20AH	60	31	7	23	16	120	240	GT-NS20 (A) / NL20 / NR20 (A) / NB20	378873	

**Straight blades for metal**

BJ

BJ/Upright blade with an unbeveled cutting edge for metal.



NS NL NR

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d:Effective Length	e				L
		1.0	0.5	360106	<b>N3BJ</b>	24	7	5.8	13	5	64	35	GT-NS3 / NL3 / NR3	372048
		1.0	0.5	360119	<b>N5BJ</b>	24	7	5.8	13	4	64	40	GT-NS5 / NL5 / NR5	378552
		1.6	1.0	360128	<b>N7BJ</b>	27	9	7.5	13	5	81	75	GT-NS7 / NL7 / NR7	378569

**Straight Blade - Single Cutting Edge (Carbide tipped)**

BJB

Straight shape blade (flat blade) for metal. The carbide tips are brazed on the cutting edges for further improved durability.



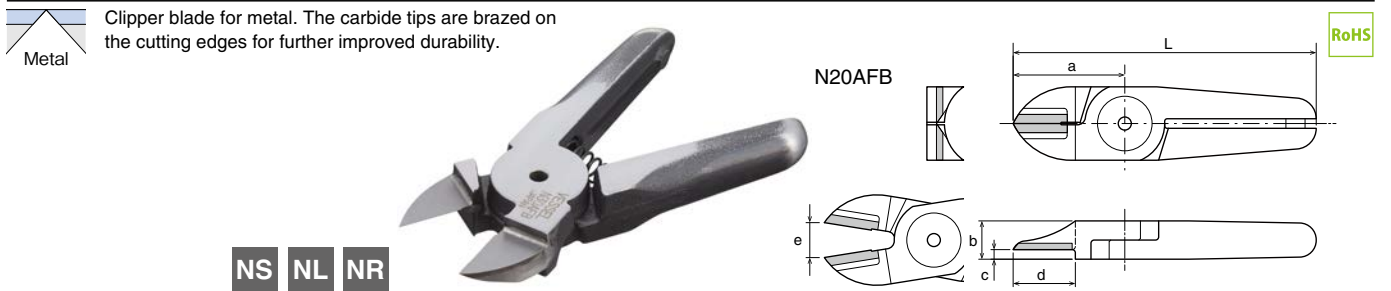
NS NL NR

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	d: Effective Length	e	L			
		1.0	0.5	360109	<b>N3BJB</b>	21	7	13	5	64	28	GT-NS3 / NL3 / NR3	035813
		1.6	1.0	360129	<b>N7BJB</b>	31	10	14	5.5	81	68	GT-NS7 / NL7 / NR7	035820

**Clipper Blade (Carbide tipped)**

AFB

Clipper blade for metal. The carbide tips are brazed on the cutting edges for further improved durability.



NS NL NR

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d: Effective Length	e				L
		2.6	2.0	360153	<b>N20AFB</b>	35	12	3	15	11	95	115	GT-NS20(A) / NL20 / NR20(A)	035868
		3.3	2.8	360163	<b>N30AFB</b>	43	17	4.5	19	11	125	322	GT-NS30(A) / NL30 / NR30(A)	035875

**Clipper Blade (Carbide tipped)**

BFB

BJ/Upright blade with an unbeveled cutting edge for metal.



NS NL NR

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length	e				L
		1.0	0.5	360110	<b>N3BFB</b>	24	7	5.5	13	5	64	28	GT-NS3 / NR3 / NL3	035844
		1.6	1.0	360130	<b>N7BFB</b>	27	9	6.5	27	5.5	81	68	GT-NS7 / NR7 / NL7	035851
		2.6	2.0	360156	<b>N20BFB</b>	35	12	5	17	8	180	150	GT-NS20(A) / NL20 / NR20(A)	372260

**Standard Blade - Single Cutting Edge | AS**

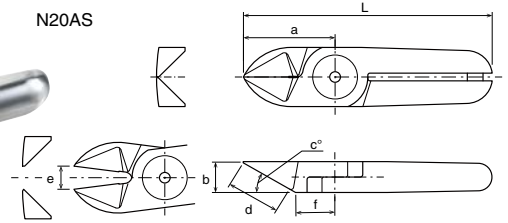


Standard blade (rounded shape) suitable for cutting copper wires, steel wires, and so on.

RoHS



N20AS



**NS NL NR**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length				e	L
		1.0	0.5	360102	<b>N3AS</b>	24	7	25	12	4	10.5	35	GT-NS3 / NR3 / NL3	372024
		1.0	0.5	360112	<b>N5AS</b>	24	7	25	12	4	10.5	40	GT-NS5 / NR5 / NL5	372079
		1.6	1.0	360122	<b>N7AS</b>	27	9	30	13.5	4	12.5	80	GT-NS7 / NR7 / NL7	372116
		1.8	1.0	360132	<b>N10AS</b>	27	9	30	13.5	5	12.5	85	GT-NL10	372161
		1.8	1.2	360181	<b>N10LAS</b>	35	12	30	20	5	15	85	GT-NL10L / NR10L	372413
		2.3	1.7	360142	<b>N12AS</b>	35	12	30	20	5	15	135	GT-NL12	372208
		2.6	2.0	360151	<b>N20AS</b>	35	12	30	20	9	15	140	GT-NS20(A) / NL20 / NR20(A)	372239
		3.3	2.8	360161	<b>N30AS</b>	43	9	30	25	9	18	370	GT-NS30(A) / NL30 / NR30(A)	372314

**Standard Blade for metal | AS**

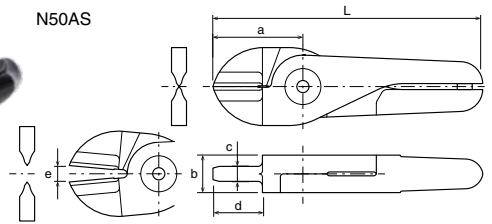


Standard blade (rounded shape) suitable for cutting copper wires, steel wires, and so on.

RoHS



N50AS



**NR**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length				e	L
		5.5	4.5	360175	<b>N50AS</b>	60	25	10	30	11	180	950	GT-NR50	372390

**Standard Blade - Single Cutting Edge (HSS tipped) | HS**

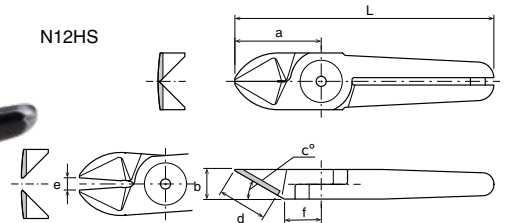


Standard blade (rounded blade) for metal. The high speed steel tips are brazed on the cutting edges for improved durability.

RoHS



N12HS



**NS NL NR**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)			
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length				e	f	L
		1.0	0.5	360101	<b>N3HS</b>	24	7	25	12	4	10.5	64	35	GT-NS3 / NL3 / NR3	372017
		1.0	0.5	360111	<b>N5HS</b>	24	7	25	12	4	10.5	64	40	GT-NS5 / NL5 / NR5	372062
		1.6	1.0	360121	<b>N7HS</b>	27	9	30	13.5	4	10.5	81	80	GT-NS7 / NL7 / NR7	372109
		1.8	1.2	360131	<b>N10HS</b>	27	9	30	13.5	5	10.5	91	85	GT-NL10	372154
		2.3	1.7	360141	<b>N12HS</b>	35	12	30	20	5	10.5	105	135	GT-NL12	372192

**Powerful Cutting Blade - Single Cutting Edge | AG**

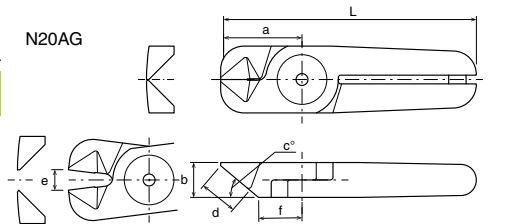


Rounded blade for metal. The cutting edges are designed to be thick by shortening the blade effective length.

RoHS



N20AG



**NS NL NR**

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)			
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length				e	f	L
		2.6	2.0	360159	<b>N20AG</b>	28	12	40	12	7	15	88	135	GT-NS20(A) / NL20 / NR20(A)	372291

**Powerful Cutting Blade - Single Cutting Edge (HSS tipped) | HS**

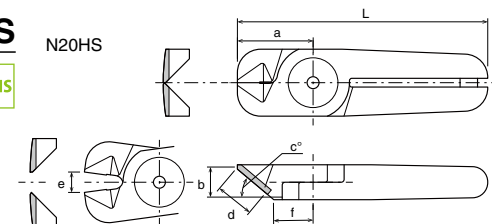


Rounded blade for metal. The cutting edges are designed to be thick by shortening the blade effective length. In addition, the high speed steel tips are brazed for improved durability.

RoHS



N20HS



**NS NL NR**

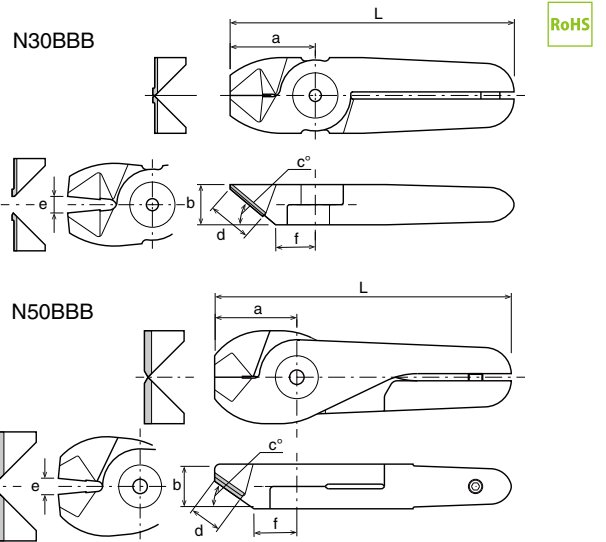
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)				Weight (g)	Applicable Models	JAN (4907587)			
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length				e	f	L
		2.6	2.0	360157	<b>N20HS</b>	26	2	40	10	7	13.5	86	135	GT-NS20 (A) / NL20 / NR20 (A)	372277

Powerful cutting blades (Carbide tipped)

BBB

**Metal**  
 N30BBB  
 N50BBB

Rounded blade for metal. The cutting edges are designed to be thick by shortening the blade length. In addition, the carbide tips are brazed for further improved durability.  
 N50BBB, the double cutting edge type, enables to cut even more powerfully.



NS NL NR

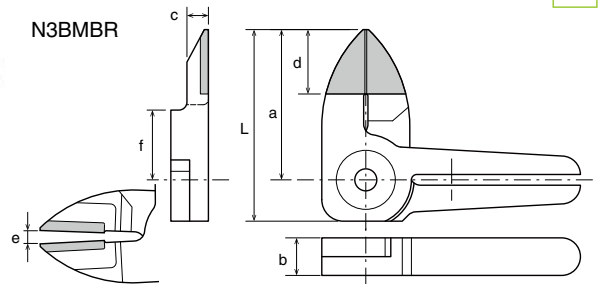
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length	e	f				L
		3.3	2.0	360172	<b>N30BBB</b>	36	17	40	18	7	18	120	365	GT-NS30 (A) / NL30 / NR30 (A)	372383
		5.5	4.5	360177	<b>N50BBB</b>	46	25	35	19	9	24	166	955	GT-NL50 / NR50	372406

Side Opening Blade - Single Cutting Edge (Carbide tipped)

BMB

**Metal**

Straight blade for metal with the cutting edge bent 90°. Effective for the narrow space where it is difficult to install an ordinary nipper.



NS NL NR

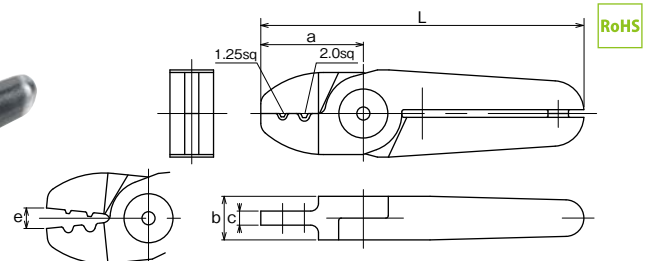
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)	
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c(°)	d:Effective Length	e	f				L
		1.0	0.5	360197	<b>N3BMBL</b>	28	7	4	12	5	13	35.5	31	GT-NS3 / NL3 / NR3	035882
		1.0	0.5	360198	<b>N3BMBR</b>	28	7	4	12	5	13	35.5	31	GT-NS3 / NL3 / NR3	035899

Crimp edge for solderless terminals

ACD

**Metal**

ACD/For crimping solderless terminals. (Bare terminal 1.25sq./2.0sq.)



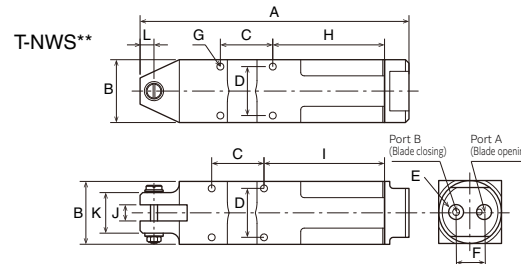
NS NL NR

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Bare Terminal	1.25sq./2.0sq.					a	b	c	e	L				
				360171	<b>N30ACD</b>	40	17	5.5	8		126	335	GT-NS30 (A) / NL30 / NR30 (A)	372376

### Double Action Air Nipper (Square Type)

### GT-NWS1/ 10/ 20/ 30

Blade opening and closing is driven by air piston.  
Maintenance is easy because there are no spring parts in the nipper body and blade.



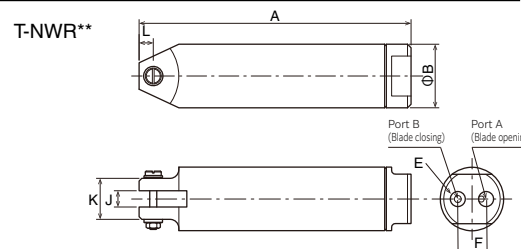
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)										Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (N)	Weight (g)	Hose I/D (mm)	JAN (4907587)		
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J						K	L
	2.0	1.0	0.5	360702	GT-NWS1	95	20 x 18	40	16	M5-P0.8	9	M3 Depth4.5	-	32	5	16	6	95	0.4~0.5	95	I/D $\phi$ 2.5 x O/D $\phi$ 4	309730
4.3	4.0	1.8	1.2	360706	GT-NWS10	146	36 x 36	30	28	PT1/8	16	M4 Depth6	64	69	9	23	8	146	0.4~0.5	146	I/D $\phi$ 4 x O/D $\phi$ 6	309778
6.8	6.5	2.6	2.0	360707	GT-NWS20	176	45 x 45	40	36	PT1/8	18	M4 Depth8	68.5	73.5	12	26	9.5	165	0.4~0.6	165	I/D $\phi$ 4 x O/D $\phi$ 6	309785
9.8	7.5	3.3	2.8	360708	GT-NWS30	231	56 x 56	60	46	PT1/8	24	M5 Depth12	84.5	94.5	17	36	13	230.5	0.4~0.6	230.5	I/D $\phi$ 4 x O/D $\phi$ 6	309891

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
※Overall length, Weight: Accessories not included.

### Double Action Air Nipper (Round Type without Lever)

### GT-NWR10/ 20/ 30

Blade opening and closing is driven by air piston.  
Maintenance is easy because there are no spring parts in the nipper body and blade.



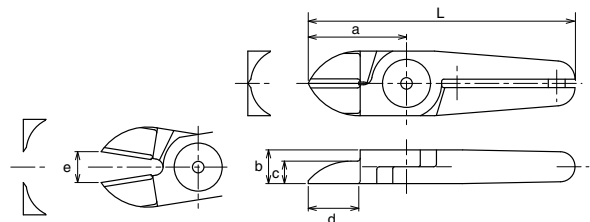
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)							Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (N)	Weight (g)	Hose I/D (mm)	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	E	F	J	K	L					
4.3	4.0	1.8	1.2	360710	GT-NWR10	154	36	PT1/8	16	9	23	8	146	0.4~0.5	95	I/D $\phi$ 4 x O/D $\phi$ 6	309808
6.8	6.5	2.6	2.0	360711	GT-NWR20	159.5	45	PT1/8	18	12	26	9.5	165	0.4~0.6	165	I/D $\phi$ 4 x O/D $\phi$ 6	309815
9.8	7.5	3.3	2.8	360712	GT-NWR30	231.5	56	PT1/4	24	17	36	13	230.5	0.4~0.6	230.5	I/D $\phi$ 4 x O/D $\phi$ 6	309822

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
※Overall length, Weight: Accessories not included.

### Straight blades for plastic

### AJ

Plastic AJ/Upright blade with an unbeveled cutting edge for plastic. Can be applied at a right angle to the gate.



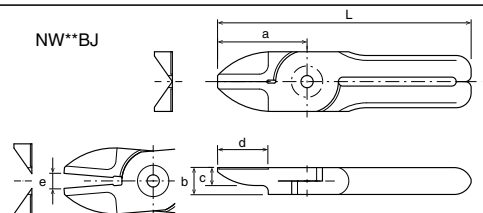
NWR NWS

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d:Effective Length	e	L			
4.3	4.0	1.0	0.5	360454	NW10AJ	30	9	6	14	5	85	28	GT-NWR10 / NWS10	370716
6.8	6.5	1.6	1.0	360457	NW20AJ	40	12	6	21.5	8	100	68	GT-NWR20 / NWS20	370723
8.5	7.5	2.6	2.0	360461	NW30AJ	55	17	8	33	11	140	150	GT-NWR30 / NWS30	370761

### Straight blades for metal

### BJ

Metal Straight shape blade (flat shape) for metal.




NWR NWS

Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)						Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	c	d:Effective Length	e	L			
		1.0	0.5	360450	NW1BJ	20	5	3	10.5	3.5	50	16	GT-NWS1	370006
		1.8	1.2	360453	NW10BJ	30	9	6	14	5	85	76	GT-NWR10 / NWS10	370709
		2.6	2.0	360459	NW20BJ	40	12	6	21.5	8	100	142	GT-NWR20 / NWS20	370747
		3.3	2.8	360460	NW30BJ	55	17	8	29.5	11	140	367	GT-NWR30 / NWS30	370754

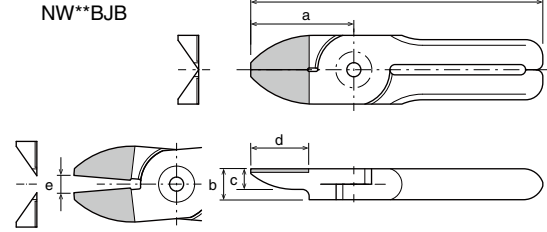
Double Action Straight Blade - Single Cutting Edge (Carbide tipped)

IBJB

 Straight shape blade (flat shape) for metal.  
The carbide tips are brazed for further improved durability.

RoHS

NWR NWS



Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	d: Effective Length	e	L			
		1.8	1.2	360464	NW10BJB	30	9	16.5	5	85	80	GT-NWR10 / NWS10	035226
		2.6	2.0	360465	NW20BJB	40	12	24.5	8	100	149	GT-NWR20 / NWS20	035783

Blade Spring (Replacement Part)

Applicable nipper	NT03	NT05	NT10	NT20	NY03	NY05	NY10	NY15	NY25
	Outer dia. (mm)	3.8	3.8	5.2	5.5	3.6	3.8	3.6	3.6
Free length (mm)	14	14	17	23	10	11	16.5	16.5	17
Code No.	859110	859110	859112	859113	859116	859111	859115	859115	859114

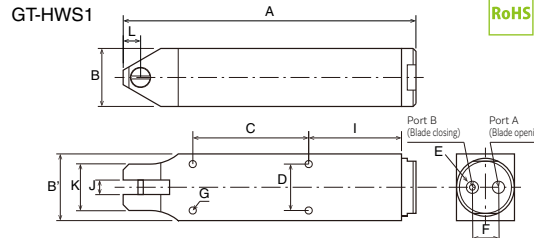
  

Applicable nipper	N3·N5·NE5	N7·N10·NE10	N10L·N12·N20	N30AS/BBB/ACD	N30AP/PF/AE/AJ	N50
	Outer dia.(mm)	3.5	5.1	5.6	8	8
Free length(mm)	13	18	22.5	24	28	37
Code No.	859100	859101	859102	859103	859104	859105

Double Action Air Scissor (Square Type)

GT-HWS1/ 10

Blade opening and closing is driven by air piston.  
Free from troubles due to the spring breakage because there is no spring part in the nipper body and blade.  
Blades are OPTION.



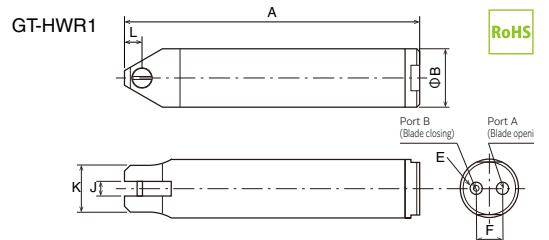
Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)													Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (N)	Weight (g)	Hose I/D (mm)	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I	J	K	L						
		1.0	0.5	360700	GT-HWS1	101	23 x 20	40	16	M5-P0.8	9	M3 Depth4.5	-	32	5	16	6	45	0.4~0.5	116	I/D $\phi$ 2.5 x O/D $\phi$ 4	309716	
		1.8	1.2	360713	GT-HWS10	154	36 x 36	30	28	PT1/8	16	M4 Depth6	64	69	9	36	8	116	0.4~0.6	356	I/D $\phi$ 4 x O/D $\phi$ 6	309747	

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
※Overall length, Weight: Accessories not included.

Double Action Air Scissor (Round Type without Lever)

GT-NWR1/ 10

Blade opening and closing is driven by air piston.  
Free from troubles due to the spring breakage because there is no spring part in the nipper body and blade.  
Blades are OPTION.



Capacity $\phi$ (mm)				Code No.	Model No.	Size(mm)								Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (N)	Weight (g)	Hose I/D (mm)	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			A	B	E	F	J	K	L						
		1.0	0.5	360701	GT-HWR1	101	20	M5-P0.8	9	5	16	6	45	0.4~0.5	84	I/D $\phi$ 2.5 x O/D $\phi$ 4	309723	
		1.8	1.2	360714	GT-HWR10	154	36	PT1/4	16	9	23	8	116	0.4~0.6	295	I/D $\phi$ 4 x O/D $\phi$ 6	309754	

※The capacity is for reference only when mounting a standard blade. Subject to the blade type and the material of the product to cut.  
※Overall length, Weight: Accessories not included.

## Double Action Scissor Blade

IJ

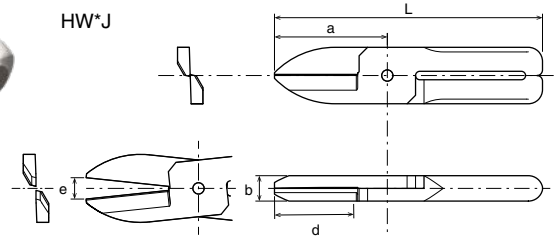


Scissor type blade for metal  
The scissor cutting edges overlap and there is less remain of cutting residue.

RoHS



HWR HWS



Capacity φ(mm)				Code No.	Model No.	Size(mm)					Weight (g)	Applicable Models	JAN (4907587)
Soft Plastic	Hard Plastic	Copper	Steel			a	b	d: Effective Length	e	L			
		1.0	0.5	360452	HW1J	25	5.3	17	3	55	28	GT-HWR1 / HWS1	370013
		1.8	1.2	360462	HW10J	40	9.4	28	5	95	68	GT-HWR10 / HWS10	370020

## Air Scissors

- Two types of blades, standard and micro-edge, are available.
- Blades are OPTION.

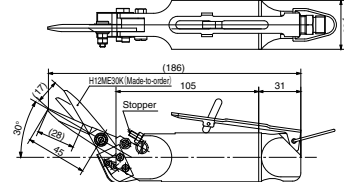
## GT-H12K/H120K/H30/HS30

RoHS



**GT-H12K** Small lightweight type with one fixed blade (Made-to-order)

### GT-H12K (Made-to-order)

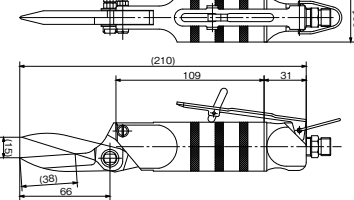


GT-HS30 only



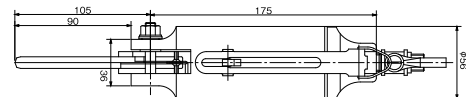
**GT-H120K** With one fixed blade

### GT-H120K



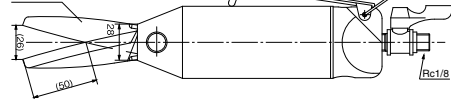
**GT-H30** Round-Type Double movable blades

### GT-H30



**GT-HS30** Square-Type Double movable blades

### H30ME



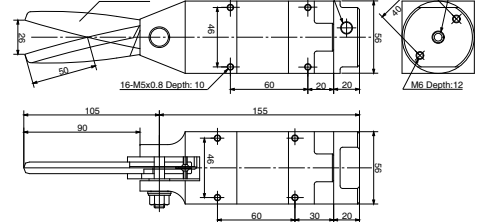
### Body only

Code No.	Model No.	Capacity (max) (mm)	Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (MPa)	Overall Length (with Blade) (mm)	Weight (with Blade) (g)	JAN (4907587)
360211	GT-H30	Kevlar t=1	584	0.3	280	1,030	010490
—	GT-H12K*	Kevlar t=0.3	116	0.2	186.2	290	—
360202	GT-H120K	Band steel 15×0.5t	116	0.5~0.6	211	340	010483
360212	GT-HS30	Kevlar t=1	584	0.3	260	970	010506

\*(made-to-order)

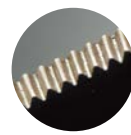
·Hose coupling: R1/4(Nipper Rc1/8) ·Working air hose inner dia.: 5mm  
·GT-H30, HS30: Overall length/Weight is with H30ME blade mounted.

### GT-HS30 H30ME



### Blade (OPTION)

Code No.	Model No.	Applicable Nippers	Blade Shape	Blade Opening (mm)	Effective Cutting Length (mm)	Weight (g)	JAN (4907587)
360311	H30ME	H30,HS30	Scissors type	26	50	280	009982
360312	H30MEL	H30,HS30	Serrated micro edge	34	67	285	009999
360301	H12ME30K*	H12K	Serrated micro edge	17	28	56	—
360302	H120SK	H120K	Scissors type	15	38	115	009975



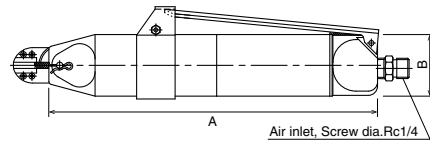
Serrated micro edge

\*(made-to-order)

## Air Nipper for Orchid Support Stick

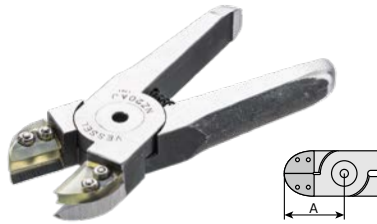
### GT-NZ15

- Includes a cutting position stopper to prevent cutting errors.
- Blades are equipped with urethane covers to prevent props from flying off after cutting.



Code No.	Model No.	Capacity		Air Consumption (cm <sup>3</sup> /str.)	Applied Pressure (N)	Air Pressure (MPa)	A (mm)	B (mm)	Weight (g)	JAN (4907587)
		Annealing Wire	Vinyl Stick(Pipe)							
360759	<b>GT-NZ15(NZ15AJ)</b>	#10(Thin)	φ4.2~6	250	1177	0.65	213.5	40	455	030504
360758	<b>GT-NZ15(NZ20AJ)</b>	#8(Thick)	φ4.2~6	250	1177	0.65	213.5	40	465	369888

※High-hardness annealing wire may not be cut.



### Blade specifications

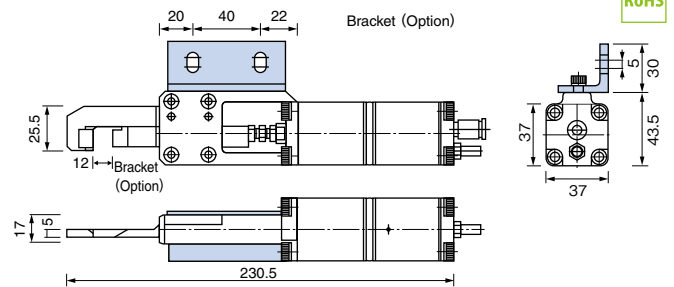
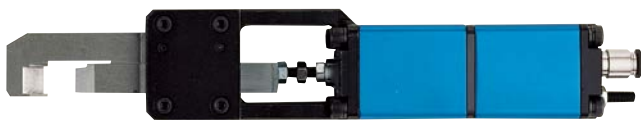
RoHS

Code No.	Model No.	Blade Opening (mm)	Effective Cutting Length (mm)	A (mm)	Weight (g)	JAN (4907587)
360504	<b>NZ15AJ</b>	7.2	15	30	132	370792
360505	<b>NZ20AJ</b>	7.5	15	31	142	370808

## Thrust-Cut Air Nipper

### GT-NK10

- This nipper can cut film-shaped gates in conjunction with a foot switch or high precision travers machine.
- Can cut from the thin end, preventing wrinkles around the cut edge.



### Reference

Capacity φ(mm) ABS Plastic	Code No.	Model No.	Air Consumption (cm <sup>3</sup> /str.)	Air Pressure (MPa)	Weight (g)	Applied Pressure (N)	Spec. & Size of the Hose Port	JAN (4907587)
5	360641	<b>GT-NK10(w/NZ15AJ)</b>	110	0.5~0.6	910	735	Hose I.D. φ2.5×O.D. φ4mm	308610

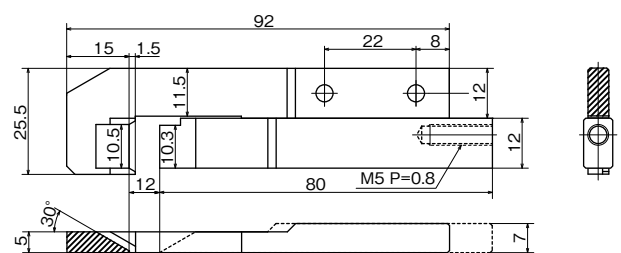
·Hose Coupling: I.D. φ4×O.D. φ6mm ·Piston stroke···Max.12mm

## Thrust-Cut Air Nipper blades

### NK10AJ

Plastic This is a dedicated set of blades for GT-NK10. Suitable for processing of film gates attached to robot hands.

RoHS



Code No.	Model No.	Size(mm)	Shape	Overall Length (mm)	Weight (g)	Material	Applicable Models	JAN (4907587)
360521	<b>NK10AJ</b>	See Drawing	For plastic (Knife type)	95	96	Special alloy steel	GT-NK10	370136

## Air-Hydro Heat Nipper (thrust cut type)

## NKH20XL-25/NKH20XR-25

- PTFE-plated blade for excellent durability. The melted workpiece does not tend to adhere to the blade edges.
- HSS tipped (brazing) for increased durability.
- The blade can be easily removed from the cylinder set, making blade replacement easier than with conventional model.
- High power air hydro cylinder with air and oil.
- Suitable for ultra-high precision cutting applications such as optical resin lenses.



- Hydro-converter (option) is required.
- The change in the blade length and the cylinder (cutting capacity) are available by made-to-order.

Code No.	Model No.	Cutting Capacity width × thickness (mm) Acrylic	Blade Edge Temp. (MAX °C)	Air Consumption (cm <sup>3</sup> /str.)	Piston Stroke (mm)	Weight (g)	JAN (4907587)
360191	<b>NKH20XL-25</b>	10×1.5	180	60	10	690	030702
360192	<b>NKH20XR-25</b>						030719

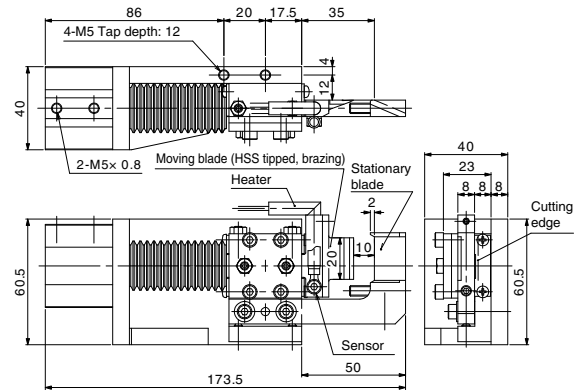
· Working air hose inner dia.: 4mm · Working air pressure: 0.6MPa  
 ※ Heater and sensor are not included in the weight.  
 ※ Heater for 200VAC, 220VAC, and 240VAC is available by made-to-order.  
 ※ Blade length change and cylinder replacement for increased cutting capacity can be designed as made-to-order.  
 · Heater (accessory): HTL-28.5-6.25-300L-80W1H (80W/100VAC) Recommended operating temp.: 140°C Cord length: 300mm Weight: 13g  
 · Temperature sensor (accessory): SNO-300L-H (K thermocouple) Recommended operating temp.: 140°C Cord length: 300mm Weight: 7g

### Blades Specifications

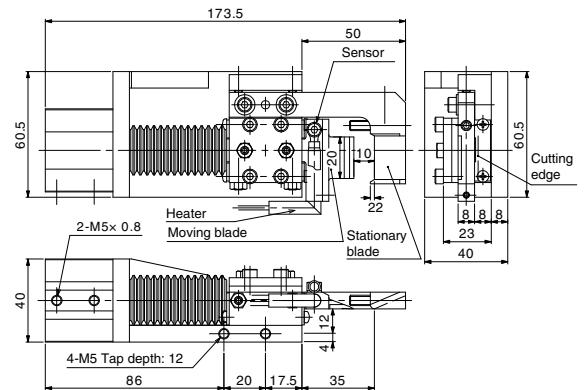
Material	Blade Shape	Blade Opening (mm)	Effective Cutting Length (mm)	Weight (g)
Special alloy steel	Knife type (for plastic)	10	20	125

- Options**
- Hydro-converter (Recommended: KOGANEI AHC 32×50)
  - Working fluid: Petroleum hydraulic fluid or turbine oil with antifoaming agent additive (VG22~100)
  - Temperature controller (DTC-001)

### NKH20XL-25



### NKH20XR-25



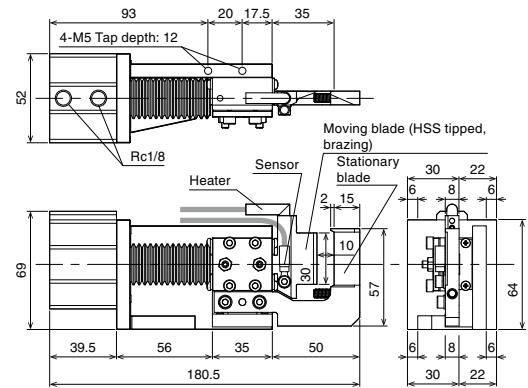
**Air Hydro Heat Nippers(Thrust Cut Type)**

**NKH30XL-40/NKH30XR-40**

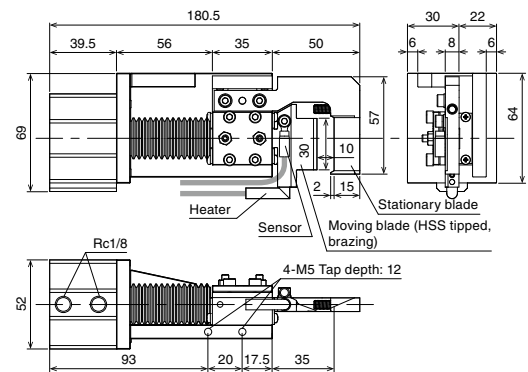
- PTFE-plated blade for excellent durability and the melted workpiece does not tend to adhere to the blade edges.
- HSS tipped(brazing)for increased durability.
- The blade can be easily removed from the cylinder set, making blade replacement easier than with conventional model.
- High power air hydro cylinder with air and oil.
- Suitable for ultra-high precision cutting applications such as optical resin lenses.



**NKH30XL-40**



**NKH30XR-40**



Code No.	Model No.	Cutting Capacity width × thickness (mm) Acrylic	Blade Edge Temp. (MAX. °C)	Air Consumption (cm <sup>3</sup> /str.)	Piston Stroke (mm)	Weight (g)	JAN (4907587)
360193	<b>NKH30XL-40</b>	16×1.5	180	139	10	865	030726
360194	<b>NKH30XR-40</b>						030733

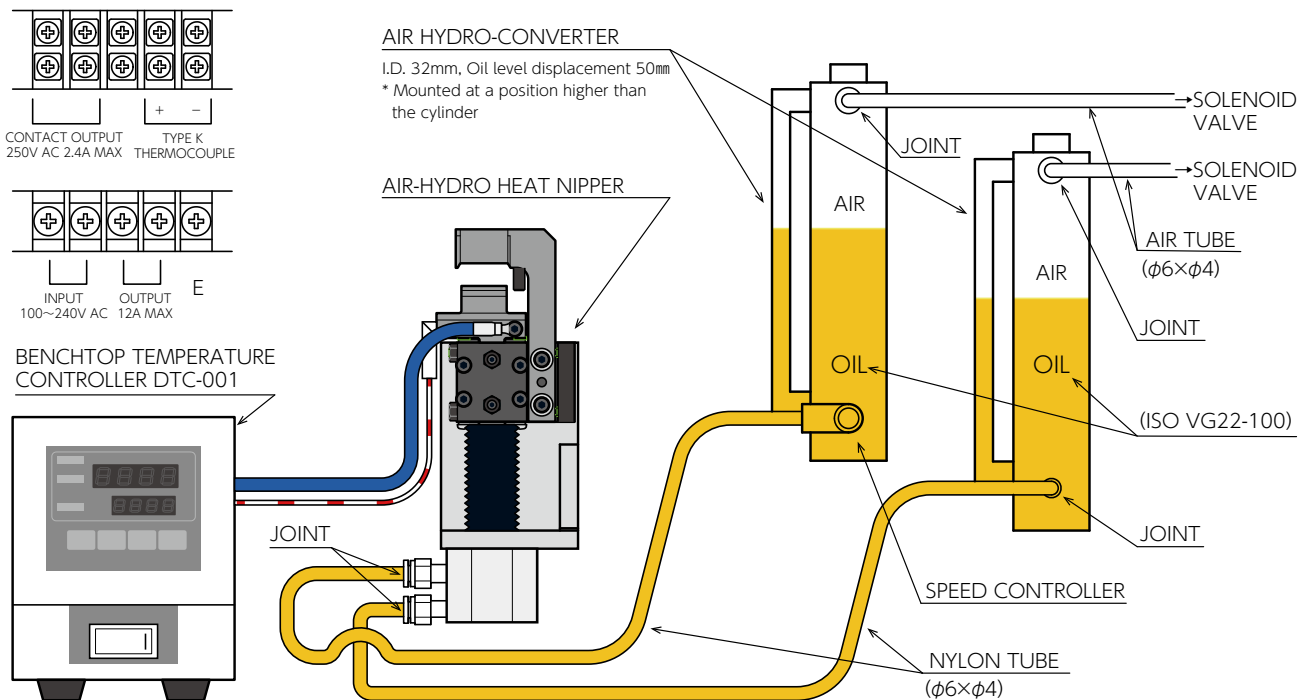
· Working air hose inner dia.: 4mm. Working air pressure: 0.6MPa ※Heater and sensor are not included in the weight.  
 ※Heater for 200V, 220V, and 240V is available by made-to-order.  
 ※Blade length change, cylinder replacement for increased cutting capacity, and the model with KINECHECK that does not require a hydro converter (oil) can be designed as made-to-order.  
 ·Heater (accessory): HTL-34.5-6.25-300L-80W1H (80W/100V) Recommended operating temp.: 140°C Cord length: 300mm Weight: 13g  
 ·Temperature sensor (accessory): SNO-300L-H (K thermocouple) Cord length: 300mm Weight: 7g

**Blades Specifications**

Material	Blade Shape	Blade Opening (mm)	Effective Cutting Length (mm)	Weight (g)
Special alloy steel	Knife type (resin)	10	30	157

- Options**
- Hydro-converter (Recommended: KOGANEI AHC 50 x 50)
  - Operating oil: Petroleum-based hydraulic oil or turbine oil with antifoaming agent added (VG22~100)
  - Temperature Controller (DTC-001)

**PIPING CONNECTION**

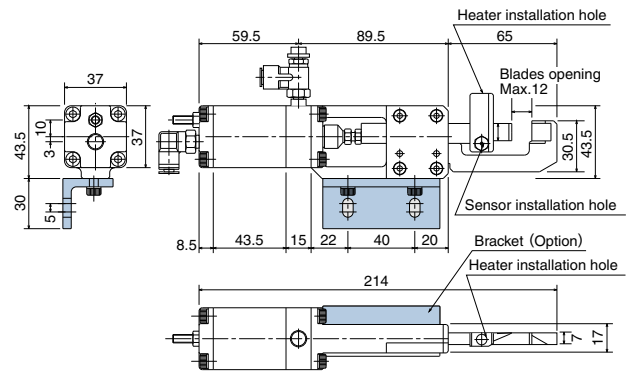
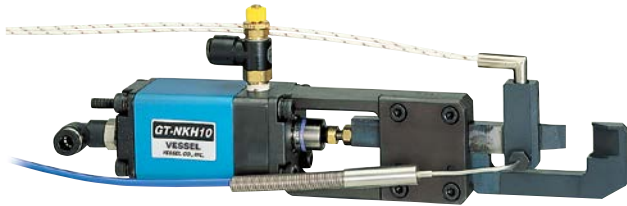


**Heat Air Nipper (Thrust Cut Type)**

**GT-NKH10**



- The cutting surface can be changed by adjusting the cutting speed by a speed controller and the heater temperature.



Code No.	Model No.	Cutting Capacity width × thickness (mm) Acrylic	Blade Edge Temp. (MAX. °C)	Air Consumption (cm <sup>3</sup> /str.)	Piston Stroke (mm)	Weight (g)	JAN (4907587)
360643 360644	<b>GT-NKH10</b>	7×1.5	200	73	12	715	309655(w/NKH10AJ) 309662(w/NKH10RAJ)

·Working air hose inner dia.: 4mm ·Working air pressure: 0.5~0.6MPa  
 ·Heater (accessory): 80W/120V, cord length 300mm  
 ·Temperature sensor (accessory): K thermocouple ·Cord length: 300mm

**Blades Specifications**

Code No.	Model No.	Material	Blade Shape	Blade Opening (mm)	Effective Cutting Length (mm)	Weight (g)	JAN (4907587)
360548	<b>NKH10AJ</b>	Special alloy steel	Knife type (for plastic)	12	10	137	370327
360549	<b>NKH10RAJ</b>						370334

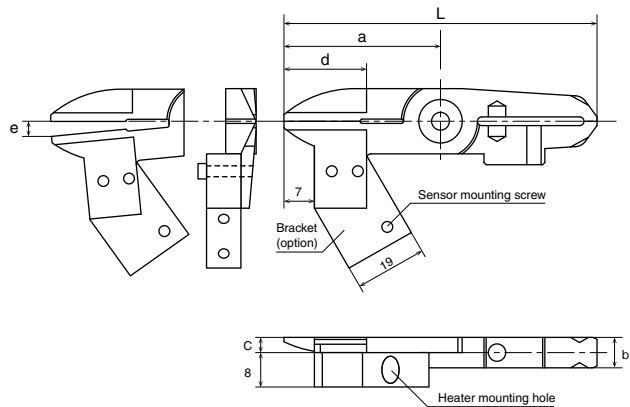
Option · Temperature controller(DTC-001)

**Heat Air Nipper**

**GT-NTH05AJ/NTH10AJ**



- One cutting side of the blade is fixed, making the gate alignment easy. Furthermore, the sliding function of the nipper allows the blade to be pressed firmly against the workpiece.



·Use in combination with the Sliding Air Nipper Vertical Type (GT-NT05/10 type).  
 ·For the dimensions of the main unit, please refer to "Sliding Air Nipper Vertical Type" on P4.

Code No.	Model No.	Cutting Capacity φ (mm) Acrylic	Set Temperature (MAX. °C)	Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	Blade	JAN (4907587)
360635	<b>GT-NTH05</b>	2.5	200	47	436	w/NTH05AJ	309839
360636	<b>GT-NTH10</b>	3.5	200	82	666	w/NTH10AJ	309846

·Working air hose inner dia.:2.5mm ·Working air pressure: 0.4~0.5MPa  
 Accessories  
 ·Heater: 80W/120V, cord length 300mm  
 ·Temperature sensor: K thermocouple, cord length 300mm  
 ·Speed controller, and Bracket for heater installation

**Blades Specifications**

Code No.	Model No.	Size(mm)						Weight (g)	Material	Applicable Models	JAN (4907587)
		a	b	c	d: Effective Length	e	L				
360546	<b>NTH05AJ</b>	36	7	3.5	15	3.5	72	40	Special alloy steel	GT-NT05(-4) / NT05R(-4)	370303
360547	<b>NTH10AJ</b>	47	9	4.7	17	4.5	94	88	Special alloy steel	GT-NT10(-6) / NT10R(-6)	370310

※The following items are not included in the weight of blade: heater, sensor, and bracket.

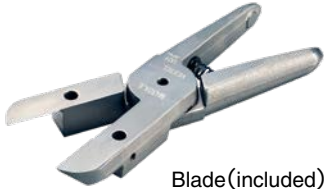
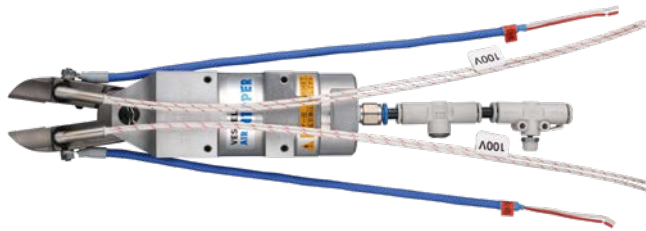
Option · Temperature controller (DTC-001)

**Heat Air Nipper(Square Type) with Blade**

**GT-NSH20B-S/NSH30B-S**

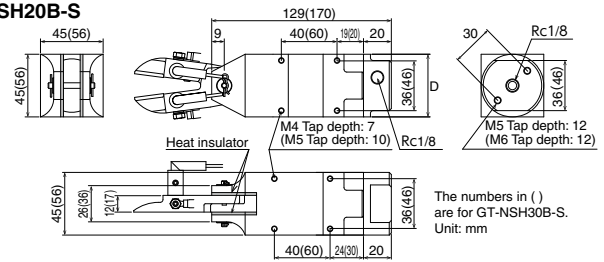
- PTFE-plated blade for excellent durability and the melted workpiece does not tend to adhere to the blade edges.
- Suitable for rough cutting of direct gates.
- The change in the length and shape of the blade is supported by made-to-order.

RoHS

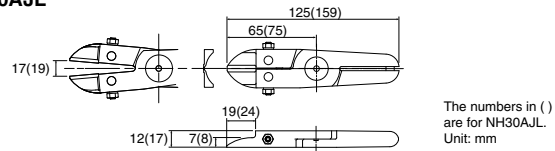


Blade(included)

**GT-NSH20B-S**



**NH20AJL**



Code No.	Model No.	Capacity(mm)		Blade Edge Temp. (MAX °C)	Air Consumption (cm <sup>3</sup> /str.)	Weight (g)	JAN (4907587)
		Soft Plastic	Hard Plastic				
360097	<b>GT-NSH20B-S (w/NH20AJL)</b>	φ6	φ4	150	230	689	027689(w/NH20AJL)
360098	<b>GT-NSH30B-S (w/NH30AJL)</b>	φ6	φ5	150	584	1,196	027696(w/NH30AJL)

·Working air hose inner dia.: 5mm  
 ·Working air pressure: 0.5~0.6MPa  
 ※The weight of dedicated blade, dedicated heater, and sensor is included.  
 ※Heater for 200V, 220V, and 240V is available by made-to-order.

·Accessories  
 Heater: HTL-28.5-6.25-1000L-80W1H(80W/100V) 2 pcs, Recommended operating temp. 140°C  
 Temperature sensor: SNO-1000L-H(K thermocouple) 2 pcs. Recommended operating temp. 140°C  
 Speed Controller Meter-in AS2002F-06  
 Speed Exhaust Controller AQ340F-06-00

**Blades Specifications**

Code No.	Model No.	Material	Blade Shape	Blade Opening (mm)	Applicable Models	Weight (g)	JAN (4907587)
360189	<b>NH20AJL</b>	Special alloy steel	Straight Long (Plastic)	17	GT-NSH20B-S	199	015167
360190	<b>NH30AJL</b>			19	GT-NSH30B-S	408	015266

※The dedicated heater, temperature sensor, and collar (for heater installation) are not included. They are option and ordered separately.

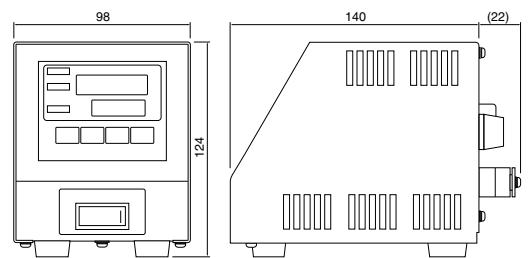
Option · Temperature controller (DTC-001)

**Benchtop Temperature Controller**

**DTC-001**

- Heater can be connected directly to the main unit, which helps labor-saving when wiring.
- The compact size makes it portable, so the installation location can be changed at any time.

RoHS



Please inform us of the Model No. of the heat nipper when ordering.

Code No.	Model No.	Temperature Range Thermocouple K (°C)	Power Supply (VAC)	Power Consumption (with 100 VAC input)	Operating Ambient Temperature/Humidity (°C)/(%)	Protection Fuse	Weight (g)	JAN (4907587)
360280	<b>DTC-001</b>	0~200	100~240	Approx. 3W (Approx. 5VA)(With no load)	0~40 / RH35~85(No condensing)	15A	900	030764

※The power supply voltage is output directly to the heater, so please check the voltage specifications of your heater.

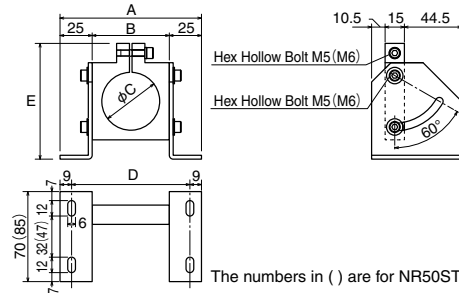
Options · Power cord : Part No. DTC-001-□-□

- 1 : Cord from terminal block required(2m for sensor)
- 2 : Cord from terminal block required(2m for heater)
- 3 : Cord from terminal block required(2m for heater and sensor)
- : (Blank)No cord
- Ⓐ : Japan power plug(2m)
- Ⓒ : Europe power plug(2m)
- : (Blank)No plug

### Stand for GT-NR

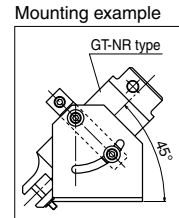
### NR10LST/20ST/30ST/50ST

- Fixture for direct gate sprue cutting and for mounting to automatic machine.
- Mounting angle can be adjusted (0 to 60°).



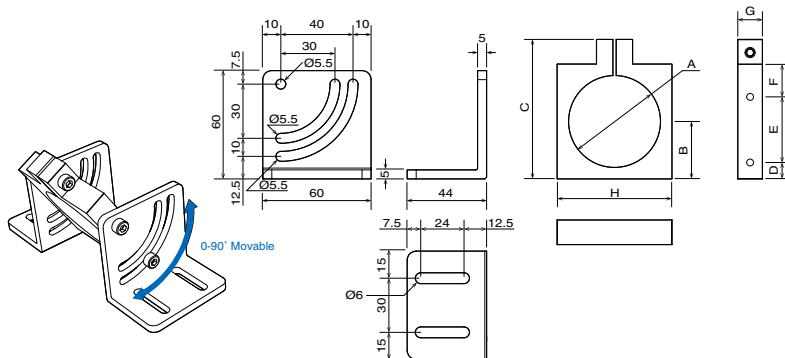
RoHS

Code No.	Model No.	Size(mm)					Applicable Models	Weight (g)	JAN (4907587)
		A	B	C	D	E			
360057	<b>NR10LST</b>	102	52	36	84	82	NR10L	335	308924
360058	<b>NR20ST</b>	110	60	45	92	90	NR20	385	308931
360059	<b>NR30ST</b>	130	80	56	112	110	NR30	535	308641
852436	<b>NR50ST</b>	150	100	75	132	130	NR50, NR50F	861	014597



### Stand for the GT-NR30

### NR30ST-M

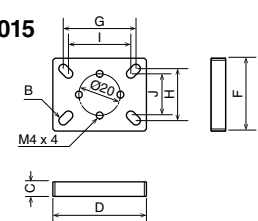
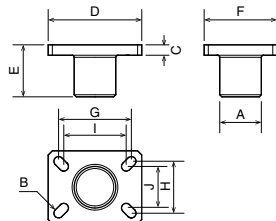


RoHS

Code No.	Model No.	Size(mm)								Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G	H		
360048	<b>NR30ST-M</b>	56	35	85	10	40	20	15	70	255	—

### Mounting/Flat Bracket for the GT-NY10/15

### VBRNY1015/VFLBNY1015

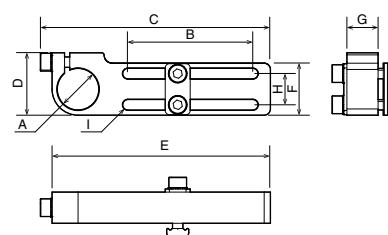


RoHS

Code No.	Model No.	Size(mm)										Applicable Models	Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G	H	I	J			
360063	<b>VBRNY1015</b>	φ20	φ4.5	5	45	25	35	35	25	30	20	GT-NY10/15	38	—
360065	<b>VFLBNY1015</b>	-	φ4.5	7	45	-	35	35	25	30	20	GT-NY10/15	25	—

### Slide Base

### VSB2060



RoHS



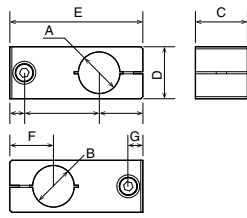
Code No.	Model No.	Size(mm)									Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G	H	I		
360047	<b>VSB2060</b>	φ20	60	110.6	30	105	25	15	15	φ5.2	111	—

**Cross Connector**

**VCC2020**



RoHS



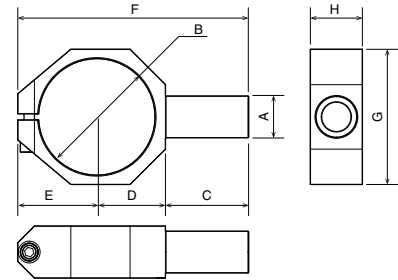
Code No.	Model No.	Size(mm)							Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G		
360050	VCC2020	φ20	φ20	25	25	64	21	65	68	—

**Bracket for the GT-NR20/30**

**VBNR20/30**



RoHS



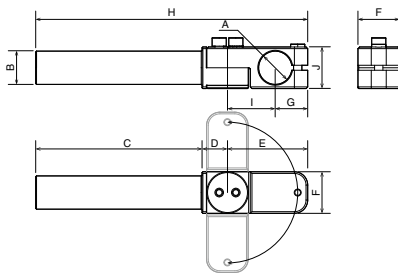
Code No.	Model No.	Size(mm)								Applicable models	Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G	H			
360060	VBNR20	φ20	φ45	35	28	31.5	94.5	53	20	GT-NR20	65	—
360061	VBNR30	φ20	φ56	40	33	38	111	65	25	GT-NR30	110	—

**Elbow Arm**

**VEA20100**



RoHS



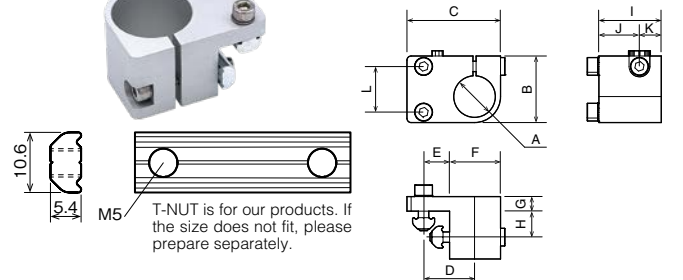
Code No.	Model No.	Size(mm)										Weight (g)	JAN (4907587)
		A	B	C	D	E	F	G	H	I	J		
360062	VEA20100	φ20	φ20	100	15.3	48.2	25	19.5	163.5	28.7	25	115	—

**Mounting Bracket**

**VMB20125**



RoHS

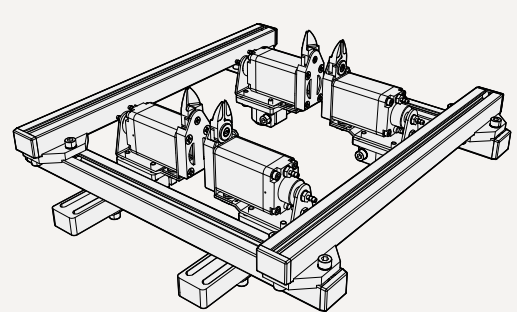
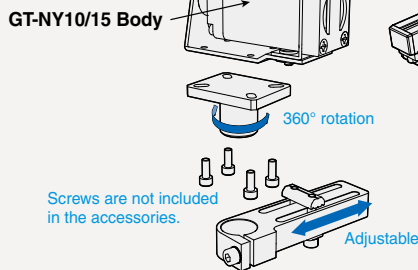
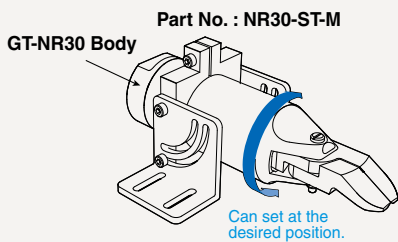


Code No.	Model No.	Size(mm)											Weight (g)	JAN (4907587)	
		A	B	C	D	E	F	G	H	I	J	K			L
360049	VMB20125	φ20	32	45	24.5	12.5	24.5	7	12.5	30	19.5	10.5	22	70	—

**ONE POINT**

**VBRNY1015 | VSB2060**

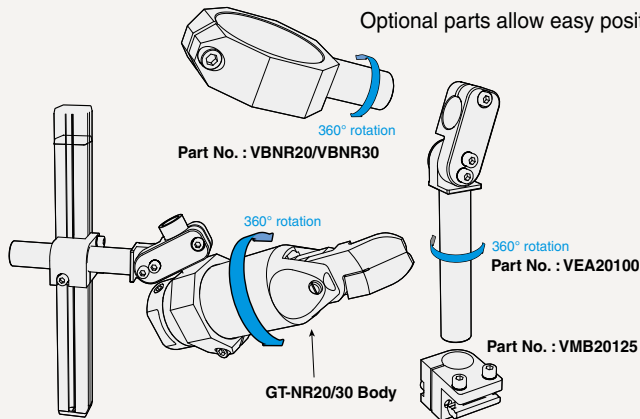
Optional parts allow easy positioning of air nippers.



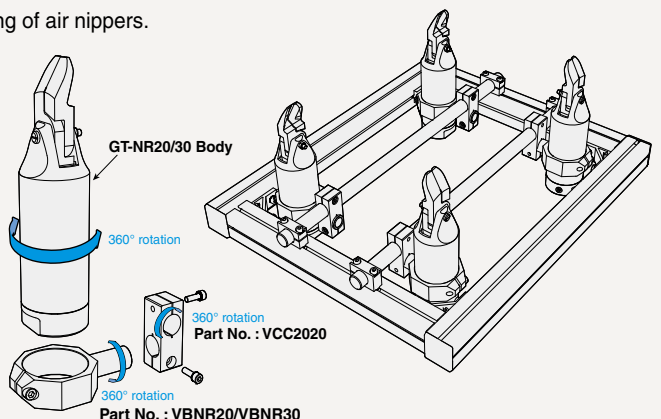
Example of use

**VCC2020 | VBNR20/30 | VEA20100 | VMB20125**

Optional parts allow easy positioning of air nippers.



Example of use

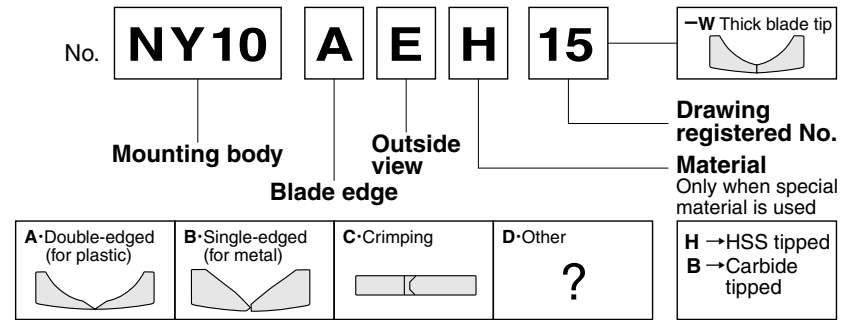


Example of use

We design your custom-made blades, even from 1 piece!

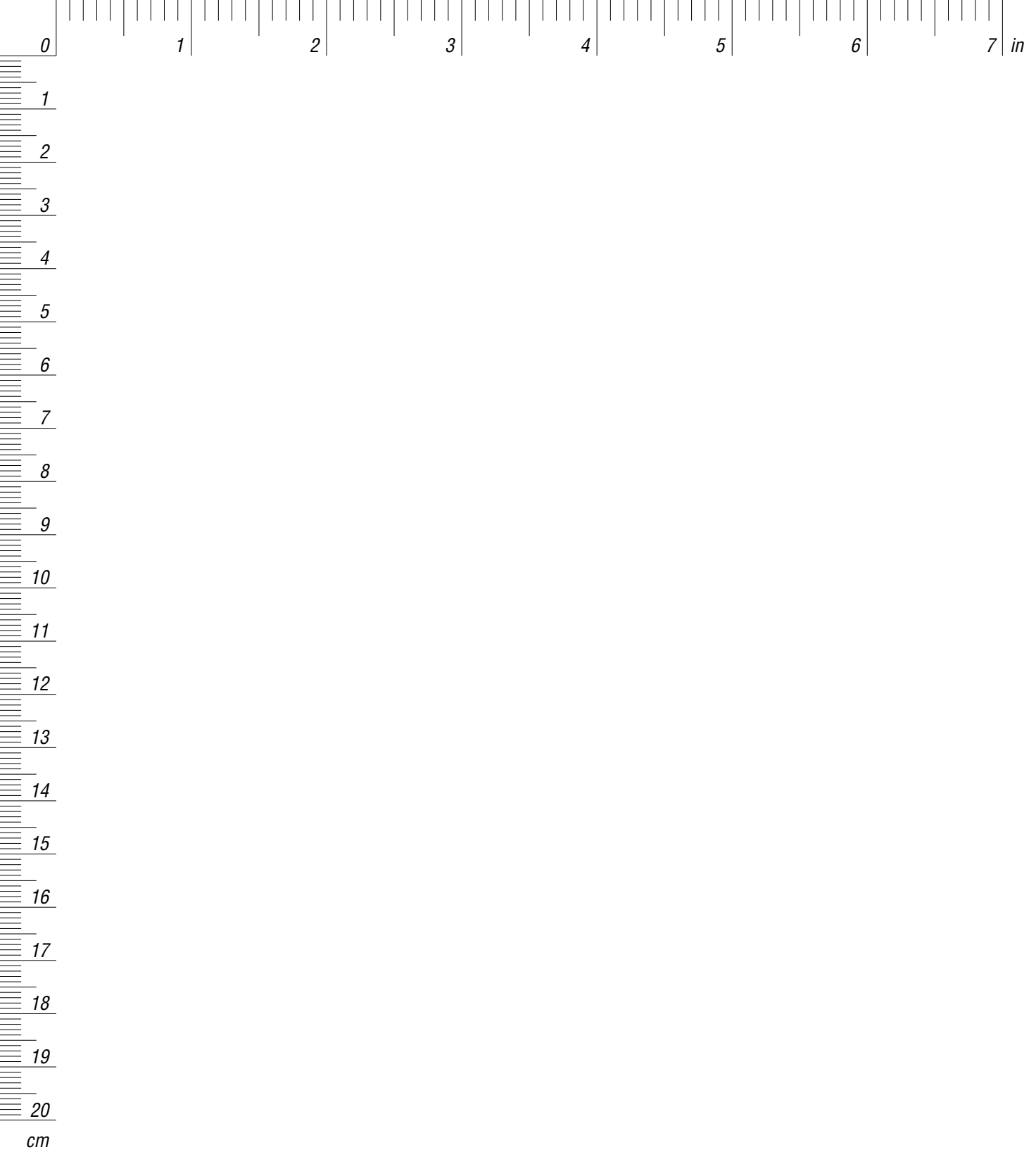
VESSEL provides solutions of customized blades for a wide variety of applications. Custom-made blades are designed flexibly according to a wide range of demands and offered at the minimum cost and lead-time. See the examples below. We accept orders for small quantity as well.

Ref: What the model code stands for



**Blade Types**

<b>A</b> Angled 	<b>B</b> Angled 	<b>C</b> Crimping 	<b>D</b> Ride gate 
<b>E</b> Nipping 	<b>F</b> Powerful cutting 	<b>G</b> Punching 	<b>H</b> Crank 
<b>I</b> Plier type 	<b>J(JL)</b> Straight, Straight long For cases that the nipper cannot reach the gate with a normal blade because the product is long. 	<b>K</b> Nipping, L-shaped 	<b>L</b> L-shaped 
<b>M/XL/XR</b> Side opening 	<b>TN</b> Tube 	<b>VO</b> Nail pulling 	<b>DI</b> Bending 
<b>VHA</b> Scissors 	Cutting stranded wires Film gate 	Direct gate A sprue that is directly gated. 	<b>AHE</b> Crank, nipping For processing small gates that are automatically cut during mold release, etc. 
<b>AHW</b> Double blades 	<b>NH</b> Heat nipper 		



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