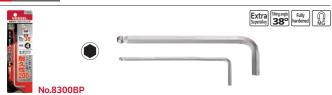


Ball Point Wrenches



No. 8300BP Ball Point Wrench



Code No.	Size H		(mm	Package size n) (mm)	Inner ctn. (pcs.)	JAN (4907587)
143917	1.5	16	79	160×45×5	10	025142
143918	2	17	86	160×45×5	10	025159
143919	2.5	18	94	200×60×8	10	025166
143920	3	20	101	200×60×8	10	025173
143921	4	25	110	200×60×8	10	025180
143922	5	28	120	200×60×8	10	025197
143923	6	32	133	200×60×8	10	025203
143924	8	36	154	235×75×14	5	025210
143925	10	40	172	235×75×14	5	025227

No. 8309BP Ball Point Wrench 9-pc. set



-				
	Code No.	S	et content	
	143926	H 1.5, 2, 2.	5, 3, 4, 5, 6, 8,10	mm
	Accessory	Package size (mm)	Inner ctn. (sets)	JAN (4907587)

No. 8300BP-L Ball Point Wrench (Long Type)

Extra Test until Specific Speci

VESSEL				Superalloy 38	Bo hardened MG
1: 38 1: 38 (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)		4			
	No.8300E	P-L			
ada Na	Size	Γ	Package size	Inner ctn.	JAN

the standard type, it is possible to apply force on the short shank.

Code No.	Н		(mn	n) (mm)	(pcs.)	(4907587)
143927	1.5	16	79	160×45×5	10	025241
143928	2	17	95	200×60×8	10	025258
143929	2.5	18	110	200×60×8	10	025265
143930	3	20	126	200×60×8	10	025272
143931	4	25	142	200×60×8	10	025289
143932	5	28	160	235×75×14	5	025296
143933	6	32	180	235×75×14	5	025302
143934	8	36	200	280×65×14	5	025319
143935	10	40	224	350×75×14	5	025326
143936	12	45	250	350×110×12*	30	025333
143937	14	55	280	350×110×14*	30	025340
143938	17	60	320	400×130×17*	20	025357
143939	19	70	360	400×130×19*	20	025364
					*Sun	nlied in a plastic har

No. 8309BP-L Ball Point Wrench (Long Type) 9-pc. set



Code No.	Set content											
143940	H 1.5, 2, 2.5, 3, 4, 5, 6, 8,10 mm											
Accessory	Package size (mm)	Inner ctn. (sets)	JAN (4907587)									
Holder	295×105×27	10	025371									

△Cautions

●Do not touch the blade. ●Always wear protective goggles and earplugs when working with the product. ●When installing or replacing blades or nippers, be sure to shut off the power source. ●Do not use the product if any abnormality such as cracks, chipping, abrasion, or deformation is found. ●Do not use the product in which electricity is running. ●The product may cause vibration. ●Do not modify the product.

VESSEL Co., Inc.

VESSEL EUROPE

contact@vessel-europe.com www.vessel-europe.com



For Metal

AIR NIPPER



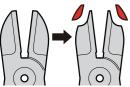
Solutions with Air Nippers

VESSEL has solved users' problems. Here are some examples of our solutions.

Our

Cutting edges are bent due to lack of strength.

Workpiece: Copper wire Blade that was used: Blade for metal (carbide tipped)



Causes: Since the blade tip had to be thin for insert into the equipment, the standard blade was grinded by the use to make it thinner. As a result, strength of the blade tip was reduced, which caused its bending and misalignment of

Custom-made thin tip blade

Nipper: GT-NWS20 Custom-made blade: NW20BJ[***]



We have designed a blade to meet the customer's requirements by asking about specifications of the workpiece and restrictions around the equipment. Some standard blades can be additionally machined to be thinner, but in this case it is necessary to

Need to retain the copper wire after cutting.

Workpiece: Copper wire 2.8~4.5Φ Blade that was used: Commercially available robotic hand air chuck





Causes: A non-slip chuck jaws will scratch the enameled coating of the copper wire when they grip it. With a straight chuck, the copper wire will be displaced

Custom-made wire retaining blade

Nipper: GT-NS20 Custom-made blade: N20DI[***]



We designed a special retaining blade with an "hollow" that matches the wire Multiple shapes were designed according to various sizes of the wire. The place where the wire comes in contact is chamfered, and the retaining force is adjusted by a decompression

When cutting brass material, there is a cutting residue.

Workpiece: Brass hoop material (4×0.6mm) Blade that was used: Blade for metal



Causes: Used to use the carbide tipped blade and the NS30 nipper. The nipping blade sometimes did not cut fully the material, leaving some that was not cut, because it is soft and thin rather than because of the

Our

Our

Solution

Custom-made scissor blade with carbide chip

Custom-made nipper: GT-NS20 Blade: N20VHAB[***]



Scissors-shaped blade is custom-made to meet the application so as to cut the material while the cutting edges slide perfectly, and to prevent the wire material from remaining between the cutting edges. The model selection for nippers was reviewed, which reduced the weight of

Equipment does not have enough space to have a nipper in it.

Workpiece: Copper wire Blade that was used: N3BJ

#4

a nippe



Causes: Since this is for application to cut thin wires, a small nipper is chosen, but actually it cannot be installed because even such a small type interrupts the

Side opening blade

Nipper: GT-NS3



By using the side opening blade, the nipper can now be placed on the equipment without probler If there is a space for the GT-NF05, the blade NY05RBJB can be used.

(1) Material and size of the item to cut

Check the detail of the material such as copper wire, steel wire, pipe, band iron etc., and its outer

As for rectangular item, calculate the nipper/blade model from its cross-section.



Reference Capacity φ (mm) 3.3 2.8

(2) Nipper selection

Choose a nipper that is suitable for the required capacity that is estimated from the material and the diameter. Also, choose the nipper type (square, round, horizontal, or double-action) in consideration of equipment and the required function

05~1

No.GT-N*()

NR : Round NL : w/Lever NF : Horizontal NW % : Double-action

(3) Blade selection

Choose a blade that matches the selected nipper. Confirm the blade shape and necessity of carbide, taking into consideration installation in equipment and the expected durability of the blade

Round w/Lever NY : Horizontal

(4) Before order

We may cut your item for trial. This is recommended to confirm the cutting performance and the cut surface quality. Contact us or the nearest distributor.

(5) Custom-made blades

In case that our standard blades don't match your application, we may design a custom-made blade and quote from 1 piece. Contact us or the nearest

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 exiting 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

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 po 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 New

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.

Reference

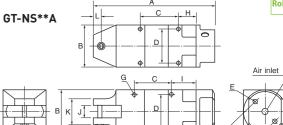
Wire Wire New 3.0 2.4

ADV

Series



*The photo represents GT-NS30A.



		*Т	he pho	to repre	esents (GT-NS30A.					1	۔ لا	ļ		' 		J { L	
Code No.	Model No.	А	В	С	D	E	Size F	(mm) G	Н	ı	J	К	L	Air Consumption (cm³/str)	Air Pressure (MPa)	Weight (g)	Hose coupling	JAN (4907587)
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
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 New

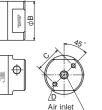
GT-NR20A/30A

- •The nipper that has about 20% more pressurized force than the existing NR20 series and
- •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.

Dofor







*The photo represents GT-NR30A

	кете	rence														•
	Capacit		Code No.	Model No.				Size(mm)				Air Consumption	Air Pressure			JAN
	Copper Wire	Steel Wire	Code No.	Wiodel No.	А	В	С	D	E	F	G	(cm³/str)	(MPa)	(g)	coupling	(4907587)
New	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
New	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 equipme

Booster Unit ADV New



• 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.











ence	*The photo represents P-3

	Capacit		Code No.	Model No.	Size	(mm)	Air Consumption	Air Pressure	Weight	Applicable Nippers	JAN
	Copper Wire	Wire		Woder No.	А	В	(cm³/str)	(MPa)	(g)	(GT-)	(4907587)
New	3.4	2.6	360055	P-20A	87	45	538	~0.5	164	NS20A/NR20A	034717
New	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 Nipper

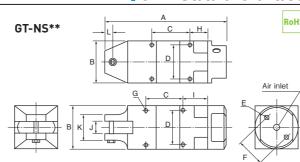
GT-NS3/5/7/10L/20/30

- For gate cutting of resin molded products, automatic welding machines, wire coiling machines, and various other types of wire cutting.
- •The position of air intake port is 180-degree rotatable.
- A wide variety of blades are available.
- Blades are OPTION.

Deference



*The photo represents GT-NS20.



-	CICI	CIICC																			
		tyφ (mm) Steel	Code No.	Model No.		Size(mm)									Air Consumption	Air Pressure	Weight	Hose	JAN		
			Code No.	Model No.	Α	В	С	D	Е	F	G	Н	- 1	J	K	L	(cm³/str)	(MPa)	(g)	coupling	(4907587)
	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	Rc1/8	308115
	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	Rc1/8	308122
	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	Rc1/8	308139
	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	Rc1/8	308146
	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	Rc1/8	308153
	3.3	2.8	360011	GT-NS30	170	56	60	46	M6 Depth12	40	M5 Depth8	20	30	17	36	15	584	0.5~0.6	685	Rc1/8	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, weight: Accessories not included. **GT-NS50 is a made-to-order model.

Air Nipper Round-Type without Lever

•The air inlet position can be adjusted 180 degrees,

so it can be changed freely according to the mounting position of the main unit.

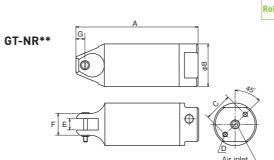
•The NR20 is with a scale on the body.

● Blades are OPTION



*The photo represents GT-NR20

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



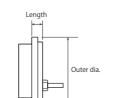
Refe	rence														
	ityφ (mm) Steel	Code No.	Model No.				Size(mm)				Air Consumption	Air Pressure	Weight	Hose	JAN
Wire	Wire	Code No.	Model No.	А	В	С	D	Е	F	G	(cm³/str)	(MPa)		coupling	(4907587)
1.0	0.5	360015	GT-NR3	110	23	17	M3 Depth8	7	14	7	45	0.4~0.5	70	Rc1/8	308214
1.0	0.5	360016	GT-NR5	94	30	20	M4 Depth10	7	17	7	64	0.4~0.5	110	Rc1/8	308221
1.6	1.0	360017	GT-NR7	113	34	22	M4 Depth10	9	17	7	116	0.4~0.5	150	Rc1/8	308238
1.8	1.2	360018	GT-NR10L	113	36	24	M4 Depth10	12	20	7	116	0.5~0.6	215	Rc1/8	308245
2.6	2.0	360019	GT-NR20	129	45	30	M5 Depth12	12	23	9.5	230	0.5~0.6	280	Rc1/8	308252
3.3	2.8	360020	GT-NR30	165	56	40	M6 Depth12	17	30	10.5	584	0.5~0.6	505	Rc1/8	308269
5.5	4.5	360024	GT-NR50	222	75	50	M8 Depth12	15	1,170	0.5~0.6	1,190	Rc1/4	308276		
MATE!			1 1 1				1.1		1						

**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. **GT-NS50 is a made-to-order model.
**Use a stand (option) for installation in equipment.

Blade Opening Adjustment End-Cap New

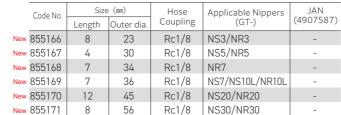
• Optional part for reducing the blade opening width.

• Can adjust with a screw at the rear of the end-cap.









Air Nipper with Safety Lever New

GT-NL3/5/7/10/12/20/30/50

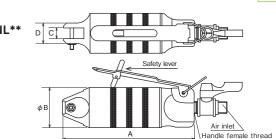
• Air nippers suitable for hand-held work.

• Equipped with a safety lever. Prevents accidental operation.

• A wide variety of blades are available.



*The photo represents GT-NL20.



Re	f	e	r	e	ľ	10	:(3

	Capaci	tyφ (mm) Steel	Code No.	Model No.		Size (mm)		Air Consumption	Air Pressure	Weight	Handle Female	Inlet	Air Cock	Hose	JAN
		Wire	Code No.	Wiodel No.	А	В	С	D	(cm³/str)	(MPa)	(g)	Thread dia	Bush	All COCK	coupling	(4907587)
New	1.0	0.5	360771	GT-NL3	112	23	7	14	45	0.4~0.5	115	Rc1/8		-	Rc1/4	035257
New	1.0	0.5	360772	GT-NL5	103	30	7	17	64	0.4~0.5	157	Rc1/8		-	Rc1/4	035264
New	1.6	1.0	360773	GT-NL7	123	34	9	17	116	0.4~0.5	201	Rc1/4		-	Rc1/4	035271
New	1.8	1.2	360774	GT-NL10	132	34	9	17	116	0.4~0.5	208	Rc1/4		-	Rc1/4	035288
New	2.3	1.7	360775	GT-NL12	143	36	12	20	116	0.5~0.6	242	Rc1/4		-	Rc1/4	035295
New	2.6	2.0	360776	GT-NL20	148	45	12	23	230	0.5~0.6	372	Rc1/4	-		Rc1/4	035301
New	3.3	2.8	360777	GT-NL30	185	56	17	30	584	0.5~0.6	627	Rc1/4	-		Rc1/4	035318
New	5.5	4.5	360778	GT-NL50	237	75	25.2	43	1,170	0.5~0.6	1,211	Rc1/4	-		Rc1/4	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.

Extra Pressure Booster

P-10L/20/30/50

• For the application that the originally expected pressurized force cannot be obtained because of the limit of the space and the air pressure • Can obtain about 20% more pressurized force than when not using this.











*The photo represents P-20.

Reference

Capacit Copper Wire	yφ (mm) Steel Wire	Code No.	Model No.	Size A	(mm) B	Air Consumption (cm³/str)	Air Pressure (MPa)	Weight (g)	Applicable Nippers (GT-)	JAN (4907587)
2.6	1.6	360051	P-10L	71	36	223	~0.5	115	NS10L/NR10L/NL10	308924
3.0	2.2	360052	P-20	87	45	508	~0.5	215	NS20/NR20/NL20	308931
4.8	4.0	360053	P-30	92	56	956	~0.5	330	NS30/NR30/NL30	308641
6.5	5.5	360054	P-50	133	75	2,670	~0.5	840	NR50/NL50	014597

*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.

Stand for Round-Type without Lever | NR-ST

Mounting angle can be adjusted (0 to 60°)



Code No.	Model No.		Si	ze (mr	n)		Weight	Applicable	JAN	
Code No. Model No.		Α	В	С	D	Е	(g) Nippers (GT-)		(4907587)	
360057	NR10LST	102	52	36	84	82	335	NR10L	318008	
360058	NR20ST	110	60	45	92	90	385	NR20/NR20A	318015	
360059	NR30ST	130	80	56	112	110	535	NR30/NR30A	318022	
852436	NR50ST	150	100	75	132	130	861	NR50	318039	

Blade Spring

- Spring for making the blade open (Optional part)
- Regular replacement is recommended.

Code No.	Size	(mm)	Applicable Nippers					
Code No.	Outer Dia.φ	Free Length	(GT-)					
859100	3.5	13	NS3~5/NR3~5/NL3~5					
859101	5.1	18	NS7/NR7/NL7					
859102	5.6	22.5	NS10L~20/NR10~20/NL10~20/NS20A/NR20A					
859103	8	24	NS30/NR30/NL30/NS30A/NR30A (AS/BBB/AFB)					
859104	8	28	NS30/NR30/NL30/NS30A/NR30A(AJB)					
859105	11.2	37	NR50					



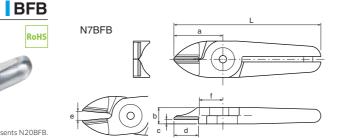
New

	Capacit	yφ(mm)
	Copper	Steel
	Wire	Wire
New	2.6	2.0
New	3.3	2.8

Coc	de No.	Model No.				Size (r	mm)		Weight	Material	Applicable Nippers	JAN
CUC	JE INO.	Wiodel No.	а	b	С	d Effective Length	e Blade Opening	L Overall Length	(g)	iviaterial	(GT-)	(4907587)
36	0153	N20AFB	35	12	3	15	11	95	115	Carbide tipped	NS20/NR20/NL20/NS20A/NR20A	035868
36	0163	N30AFB	43	17	4.5	19	11	125	322	Carbide tipped	NS30/NR30/NL30/NS30A/NR30A	035875

Clipper Blade (Carbide tipped)





Reference

			_
	Capacit	yφ (mm)	
	Copper	Steel	
	Wire	Wire	_
New	1.0	0.5	
New	1.6	1.0	
	2.6	2.0	

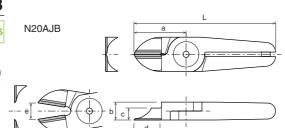
n)	Code No.	Model No.				Size (mn	n)		Weight	Material	Applicable Nippers	JAN
ei e	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	(GT-)	(4907587)
5	360110	N3BFB	24	7	5.5	13	5	64	28	Carbide tipped	NS3/NR3/NL3	035844
)	360130	N7BFB	27	9	6.5	27	5.5	81	68	Carbide tipped	NS7/NR7/NL7	035851
)	360156	N20BFB	35	12	5	17	8	180	150	Carbide tipped	NS20/NR20/NL20/NS20A/NR20A	372260

Straight Blade - Double Cutting Edge (Carbide tipped) New | AJB



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

•The double cutting edges enable to cut ever more powerfully.



Reference

	Capacit	yφ (mm)	
	Copper	Steel	
	Wire	Wire	
	2.6	2.0	
Now	2 2	2.8	

mm)	Code No.	Model No.				Size (m	m)		Weight	Material	Applicable Nippers	JAN
ire	Code No.	Woder No.	а	b	С	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	(GT-)	(4907587)
.0	360381	N20AJB	35	12	8	19	11	95	125	Carbide tipped	NS20/NR20/NL20/NS20A/NR20A	378712
.8	360162	N30AJB	52	17	7.5	25	14	136	349	Carbide tipped	NS30/NR30/NL30/NS30A/NR30A	035837

Straight Blade - Single Cutting Edge (Carbide tipped) New





oHS	N7BJB	a

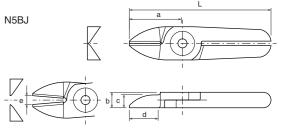
Reference

	Capacit	yφ (mm)
	Copper	Steel
	Wire	Wire
New	1.0	0.5
New	1.6	1.0

Capacit Copper		Code No.	Model No.			Size	e (mm)		Weight	Material	Applicable Nippers	JAN
Wire	Wire	Code No.	Wiodel No.	а	b	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	(GT-)	(4907587)
1.0	0.5	360109	N3BJB	24	7	13	5	64	28	Carbide tipped	NS3/NR3/NL3	035813
1.6	1.0	360129	N7BJB	27	9	14	5.5	81	68	Carbide tipped	NS7/NR7/NL7	035820

Straight Blade - Single Cutting Edge | BJ





Reference

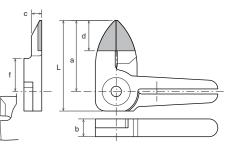
	Capacit		Code No.	Model No.				Size (mm)			Weight	Material	Applicable Nippers	JAN
		Steel Wire	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	(GT-)	(4907587)
Ī	1.0	0.5	360106	N3BJ	24	7	5.8	13	5	64	35	Special alloy steel	NS3/NR3/NL3	372048
	1.0	0.5	360119	N5BJ	24	7	5.8	13	5	64	40	Special alloy steel	NS5/NR5/NL5	378552
	1.6	1.0	360128	N7BJ	27	9	7.5	13	5	81	75	Special alloy steel	NS7/NR7/NL7	378569

Side Opening Blade - Single Cutting Edge (Carbide tipped) √ew | BMB



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





Ref	er	e	n	ce	
_		_		$\overline{}$	

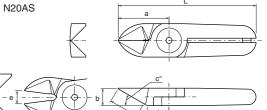
	Capacit		Code No.	Model No.				Size (m	nm)			Weight	Material	Applicable Nippers	JAN
	Copper Wire	Steel Wire	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	iviateriai	(GT-)	(4907587)
New	1.0	0.5	360197	N3BMBL	28	7	4	12	5	13	35.5	31	Carbide tipped	NS3/NR3/NL3	035882
New	1.0	0.5	360198	N3BMBR	28	7	4	12	5	13	35.5	31	Carbide tipped	NS3/NR3/NL3	035899

Standard Blade - Single Cutting Edge | AS



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





Reference

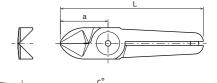
Capacit	yφ (mm) Steel	Code No.	Model No.				Size	(mm)			Weight	Material	Applicable Nippers	JAN
Copper Wire	Wire	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	Iviaterial	(GT-)	(4907587)
1.0	0.5	360102	N3AS	24	7	25	12	4	10.5	64	35	Special alloy steel	NS3/NR3/NL3	372024
1.0	0.5	360112	N5AS	24	7	25	12	4	10.5	64	40	Special alloy steel	NS5/NR5/NL5	372079
1.6	1.0	360122	N7AS	27	9	30	13.5	4	12.5	81	80	Special alloy steel	NS7/NR7/NL7	372116
1.8	1.0	360132	N10AS	27	9	30	13.5	5	12.5	91	85	Special alloy steel	NL10	372161
1.8	1.2	360181	N10LAS	35	12	30	20	5	15	89	85	Special alloy steel	NS10L/NR10L	372413
2.3	1.7	360142	N12AS	35	12	30	20	5	15	105	135	Special alloy steel	NL12	372208
2.6	2.0	360151	N20AS	35	12	30	20	9	15	95	140	Special alloy steel	NS20/NR20/NL20/NS20A/NR20A	372239
3.3	2.8	360161	N30AS	43	17	30	25	9	18	127	370	Special alloy steel	NS30/NR30/NL30/NS30A/NR30A	372314

Standard Blade - Single Cutting Edge (HSS tipped)



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





-	Refe	rence		/2	THE PI	ioto rep	n esents	3 IV 12113.				V_		d → T	
-		yφ (mm)	Code No.	Model No.				Size	(mm)			Weight	Material	Applicable Nippers	JAN
	Copper Wire	Steel Wire	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	iviaterial	(GT-)	(4907587)
Ī	1.0	0.5	360101	N3HS	24	7	25	12	4	10.5	64	35	HSS tipped	NS3/NR3/NL3	372017
	1.0	0.5	360111	N5HS	24	7	25	12	4	10.5	64	40	HSS tipped	NS5/NR5/NL5	372062
	1.6	1.0	360121	N7HS	27	9	30	13.5	4	12.5	81	80	HSS tipped	NS7/NR7/NL7	372109
	1.8	1.2	360131	N10HS	27	9	30	13.5	5	12.5	91	85	HSS tipped	NL10	372154
	2.3	1.7	360141	N12HS	35	12	30	20	5	15	105	135	HSS tipped	NL12	372192

HS

Powerful Cutting Blade - Single Cutting Edge



N20AG

Reference

Capacit	yφ (mm)_
Copper	Steel
Wire	Wire
2.6	2.0

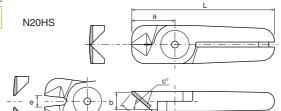
a b c(°) d Effective Length e Blade Opening f L Overall Length (g) Nippers (G1-) (49075)	_ `	Code No.	Model No.				Size	(mm)			Weight	Material	Applicable	JAN
360159 N20AG 28 12 40 12 7 15 88 135 Special alloy steel NS20/NR20/NL20/NS20A/NR20A 3722		Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	iviaterial	Nippers (GT-)	(4907587)
		360159	N20AG	28	12	40	12	7	15	88	135	Special alloy steel	NS20/NR20/NL20/NS20A/NR20A	372291

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









Reference

Capacit	yφ (IIIII)	
Copper		(
Wire	Wire	
2.6	2.0	

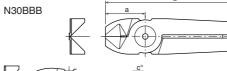
-	Code No.	Model No.				Size	e (mm)			Weight	Material	Applicable	JAN
	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	iviaterial	Nippers (GT-)	(4907587)
	360157	N20HS	26	12	40	10	7	13.5	86	135	HSS tipped	NS20/NR20/NL20/NS20A/NR20A	372277

Powerful Cutting Blade - Single Cutting Edge (Carbide tipped) | BBB



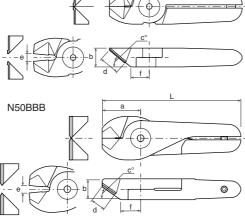
• Rounded blade for metal. The cutting edges are designed to be thick by shortening the blade length. In addition, the carbide tips are brazed for further improved durability.





• N50BBB, the double cutting edge type, enables to cut even more powerfully.





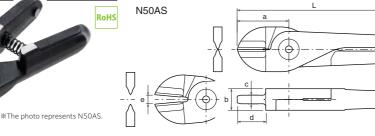
Reference

(Capacit	yφ (mm)	
(Copper	Steel	
_	Wire	Wire	_
	3.3	2.8	
	5.5	4.5	

eel Code N	o. Model No.				Size	e (mm)			Weight	Material	Applicable	JAN
eel Codeli ire	o. Woder No.	а	b	c(°)	d Effective Length	e Blade Opening	f	L Overall Length	(g)	iviateriai	Nippers (GT-)	(4907587)
.8 36017	2 N30BBB	36	17	40	18	7	18	120	364	Carbide tipped	NS30/NR30/NS30A/NR30A/NL30	372383
.5 36017	7 N50BBB	46	25	35	19	9	24	166	955	Carbide tipped	NS50/NR50	372406

Clipper Blade - Double Cutting Edge





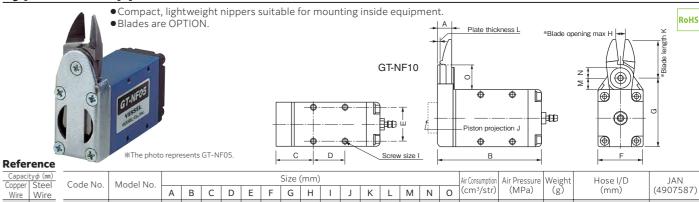
Capacit	yφ (mm)
Copper	Steel
Wire	Wire
5.5	4.5

Code No.	Model No.				Size	(mm)		Weight	Material	Applicable	JAN
Code No.	Wiodel IVo.	а	b	c(°)	d Effective Length	e Blade Opening	L Overall Length	(g)	IVIACCITAL	Nippers (GT-)	(4907587)
360175	N50AS	60	25	10	30	11	180	950	Special alloy steel	NR50	372390

Type-F Air Nipper

GT-NF05/10/15

(4907587)



360608 | **GT-NF15** | 10.2 | 73 | 25 | 25 | 26 | 33 | 48.5 | 8 | M4 | 2 | 27 | 2 | 7.4 | 6.25 | 16.4 | 128 | 0.4~0.5 | 219 | I/DФ2.5×0/DФ4 | 308535

A B C D E F G H I J K L M N O (cm³/str)

8.6 59.9 21.9 17 18 23 39.5 4 M3 1.6 22 1.6 8.4 6.25 16.4 43

8.8 | 65.1 | 23.1 | 20 | 22 | 28 | 43.5 | 6 | M3.5 | 1.6 | 24 | 1.6 | 7.4 | 6.25 | 15.4 |

360606 **GT-NF05**

360607 **GT-NF10**

Code No.

Model No.

Blade Opening Adjustment Plate | WAS



1.6 1.0

1.7 1.1

- Optional part for reducing the opening width of the nipper blade.
- Can adjust the width with the screw on the right and left side.

Code No.	Model No.	S	ize (mm	1)	Weight	Applicable	JAN
	IVIOGETTVO.	Α	В	С	(g)	Nippers (GT-)	(4907587)
855162	NY05WAS	47.5	23.0	9.3	19	NF05	308511
855163	NY10WAS	51.5	28.0	9.5	22	NF10	308528
855164	NY15WAS	57.5	33.0	11.0	37	NF15	308535

Blade Spring

•Spring for making the blade open (Optional part)

(MPa)

0.4~0.5 101 I/DΦ2.5×0/DΦ4 308511

0.4~0.5 | 143 | I/DΦ2.5×0/DΦ4 | 308528

• Regular replacement is recommended.

63

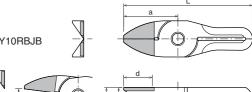
Code No.	Model No.	Size	(mm)	Applicable	JAN
Code No.	WIOGCI IVO.	Outer Dia.φ	Free Length	Nippers (GT-)	(4907587)
859111	Blade Spring	3.8	11	NF05	-
859115	Blade Spring	3.6	16.5	NF10	-
859115	Blade Spring	3.6	16.5	NF15	-

Straight Blade - Single Cutting Edge (Carbide tipped) New RBJB



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

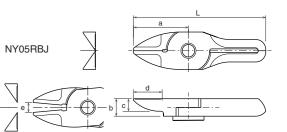




	Refe	rence							*The photo represer	nts NY25RBJB.				
	Capacit		Code No.	Model No.				Size (r	nm)		Weight	Material	Applicable	JAN
	Copper Wire	Wire	Code No.	Wiodel No.	а	b	c(°)	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	Nippers (GT-)	(4907587)
New	1.0	0.5	360506	NY03RBJB	21	7	4.5	10.5	3	48	17	Carbide tipped	NY03GR	035660
New	1.6	1.0	360507	NY05RBJB	22	7	5	10.5	4	53	24	Carbide tipped	NF05	035677
New	1.7	1.1	360508	NY10RBJB	24	7.2	5	12	6	57	29	Carbide tipped	NF10	035684
New	1.8	1.2	360509	NY15RBJB	27	8.2	5.5	13	8	65	41	Carbide tipped	NF15	035691
New	2.2	1.6	360510	NY25RBJB	31	10	6	16	9	77	70	Carbide tipped	NY25R/25S	035707

Straight Blade - Single Cutting Edge





Reference

Capacit	yφ (mm)	
Copper	Steel	Code
Wire	Wire	
1.6	1.0	3605

Code No.	Model No.				Size (mm)			Weight	Material	Applicable	JAN
	Wiodel IVO.	а	b	С	d Effective Length	e Blade Opening	L Overall Length	(g)	Iviaterial	Nippers (GT-)	(4907587)
360559	NY05RBJ	22	7	5	5 11.5 4		53	22	Special alloy steel	NF05	370426

RBJ

Double Action Air Nipper (Square Type)

GT-NWS1/10/20/30

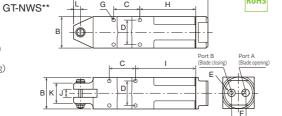
• Blade opening and closing is driven by air piston.

• Blades are OPTION.

Reference



←Port B (Blade closing) -Port A (Blade opening)



*The photo represents GT-NWS20

Capacit	yφ (mm) Steel	Code No.	Model No.					Si	ze (n	nm)						Air Consumption	Air Pressure	Weight	Hose I/D	JAN
Wire	Wire	Code No.	Wiodel No.	Α	В	С	D	Е	F	G	Н	-	J	Κ	L	(cm³/str)	(MPa)	(g)	(mm)	(4907587)
1.0	1.5	360702	GT-NWS1	95	20×18	40	16	M5-P0.8	9	M3 Depth4.5	-	32	5	16	6	95	0.4~0.5	116	I/DФ2.5×0/DФ4	309730
1.8	1.2	360706	GT-NWS10	146	36×36	30	28	PT1/8	16	M4 Depth6	64	69	9	23	8	146	0.4~0.5	356	I/DФ4×0/DФ6	309778
2.6	2.0	360707	GT-NWS20	176	45×45	40	36	PT1/8	18	M4 Depth8	68.5	73.5	12	26	9.5	165	0.5~0.6	610	I/DФ4×0/DФ6	309785
3.3	2.8	360708	GT-NWS30	231	56×56	60	46	PT1/4	24	M5 Depth12	84.5	94.5	17	36	13	230.5	0.5~0.6	1,115	I/DФ4×0/DФ6	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

Blades are OPTION.



←Port B (Blade closing)

GT-NWR**



*The photo represents GT-NWR20.

Refe	rence														F
Capa	cityφ (mm) r Steel	Code No.	Model No.			Size (mr	n)				Air Consumption	Air Pressure	Weight	Hose I/D	JAN
Wire		Code No.	Wioder No.	А	В	E	F	J	K	L	(cm³/str)	(MPa)	(g)	(mm)	(4907587)
1.8	1.2	360710	GT-NWR10	154	36	PT1/8	16	9	23	8	146	0.4~0.5	280	I/DФ4×0/DФ6	309808
2.6	2.0	360711	GT-NWR20	159.5	45	PT1/8	18	12	26	9.5	165	0.4~0.5	523	I/DФ4×0/DФ6	309815
3.3	2.8	360712	GT-NWR30	213.5	56	PT1/4	24	17	36	13	230.5	0.5~0.6	980	I/DФ4×0/DФ6	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.

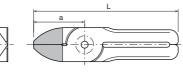
Double Action Straight Blade - Single Cutting Edge (Carbide tipped) New | BJB

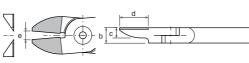


•Straight shape blade (flat shape) for metal. The carbide tips are brazed for further improved durability.









Reference

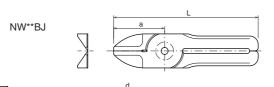
	Capacit		Code No.	Model No.				Size (mm)			Weight	Material	Applicable	JAN
	Copper Wire	Wire	Code No.	Model No.	а	b	С	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	Nippers (GT-)	(4907587)
New	1.8	1.2	360464	NW10BJB	30	9	6	16.5	5	85	80	Carbide tipped	GT-NWR10/NWS10	035226
New	2.6	2.0	360465	NW20BJB	40	12	6	24.5	8	100	149	Carbide tipped	GT-NWR20/NWS20	035783

Double Action Straight Blade - Single Cutting Edge









JAN (4907587) 370006 370709 370747

Reference

Capacit Copper		Code No.	Model No.				Size (mm)			Weight	Material	Applicable
		Code No.	Wiodel IVo.	а	b	С	d Effective Length	e Blade Opening	L Overall Length	(g)	Iviaterial	Nippers (GT-)
1.0	0.5	360450	NW1BJ	20	5	3	10.5	3.5	50	16	Special alloy steel	NWS1
1.8	1.2	360453	NW10BJ	30	9	6	14	5	85	76	Special alloy steel	NWR10/NWS10
2.6	2.0	360459	NW20BJ	40	12	6	21.5	8	100	142	Special alloy steel	NWR20/NWS20
3.3	2.8	360460	NW30BJ	55	17	8	29.5	11	140	367	Special alloy steel	NWR30/NWS30

Double Action Air Scissor (Square Type)

GT-HWS1/10

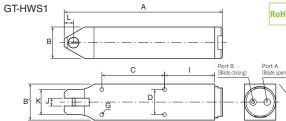
• Blade opening and closing is driven by air piston.

• Free from troubles due to the spring breakage because there is no spring part in the nipper body and blade.

• Blades are OPTION.







*The photo represents GT-HWS1

Refer	ence																			-
												Air Pressure	Weight	Hose I/D	JAN					
Wire		Code No.	Model No.	Α	В	С	D	Е	F	G	Н	1	J	K	L	(cm³/str)	(MPa)	(g)	(mm)	(4907587)
1.0	0.5	360700	GT-HWS1	101	23×20	40	16	M5-P0.8	9	M3 Depth4.5	-	32	5	16	6	45	0.4~0.5	116	I/DФ2.5×0/DФ4	309716
1.8	1.2	360713	GT-HWS10	154	36×36	30	28	PT1/8"	16	M4 Depth6	64	69	9	23	8	116	0.4~0.6	356	I/DФ4×0/DФ6	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-HWR1/10

• Blade opening and closing is driven by air piston.

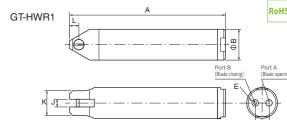
• Free from troubles due to the spring breakage because there is no spring part in the nipper body and blade.

• Blades are OPTION.



←Port B (Blade closing) ←Port A (Blade opening)

*The photo represents GT-HWR1



Ref	ere	nce	

-	Kelei	ence														l←→l
	Capacit Copper	tyφ (mm) Steel	Code No.	Model No.			Size	(mm)				Air Consumption	Air Pressure	Weight	Hose I/D	JAN
	Wire	Wire	Code No.	Wiodel IVO.	А	В	E	F	J	K	L	(cm³/str)	(MPa)	(g)	(mm)	(4907587)
	1.0	0.5	360701	GT-HWR1	101	20	M5-P0.8	9	5	16	6	45	$0.4 \sim 0.5$	84	I/DФ2.5×0/DФ4	309723
	1.8	1.2	360714	GT-HWR10	154	36	PT1/8"	16	9	23	8	116	0.4~0.6	295	I/DФ4×0/DФ6	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.



Reference

Capacityφ (mm) Copper Steel		Code No.	Model No.	Size (mm)						Material	Applicable	JAN
Wire		Code No.	Wiodel No.	а	b	d Effective Length	e Blade Opening	L Overall Length	(g)	iviateriai	Nippers (GT-)	(4907587)
1.0	0.5	360452	HW1J	25	5.3	17	3	55	16	Special alloy steel	GT-HWR1/HWS1	370013
1.8	1.2	360462	HW10J	40	9.4	28	5	95	76	Special alloy steel	GT-HWR10/HWS10	370020

Air Nipper for Orchid Support Stick •Includes a cutting position stopper to prevent cutting errors.

• Blades are equipped with urethane covers to prevent

the stick from flying off after being cut.

GT-NZ15 **Blade for the GT-NZ15**



NZ

Ref	ere	nce

Keter	ence									
Capacit		Code No.	Model No.	Size (ı	mm)	Air Pressure	Air Pressure			JAN
Wire	Stick	Code No.	Wiodel IVo.	А	В	(MPa)	(MPa)	(g)	coupling	(4907587)
#10	Φ4.2~6	360759	GT-NZ15(w/NZ15AJ)	213.5	40	250	0.65	455	Rc1/4	030504
#8	n/ı 2~6	340758	GT-N715(/N720A I)	2135	/ ₁ ∩	250	0.45	445	Rc1 //	349888

**High-hardness annealing wire may not be cut
**Overall length · Weight ... Accessories not included



Code No	Model No.		Size (mm	Weight	JAN	
Couc No.	IVIOGEI IVO.	а	d Effective Length	e Blade Opening	(g)	(4907587)
360504	NZ15AJ	30	15	7.2	132	370013
360505	NZ20AJ	31	15	7.5	142	370020