

# Parallel Gripper

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

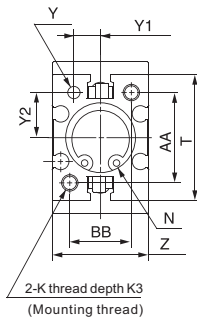
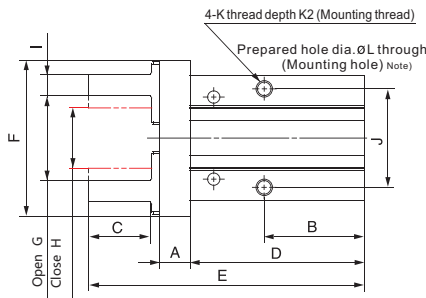
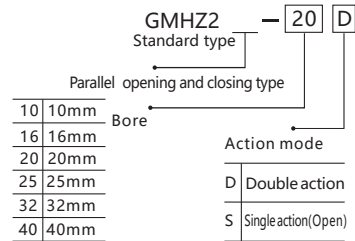
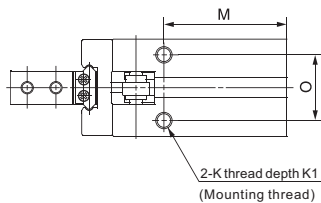
Air Nipper

Vacuum Module

Accessory Components

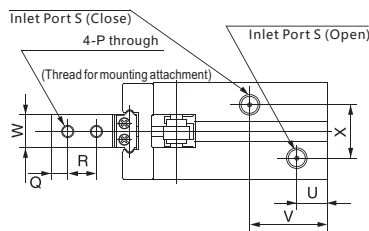


PN	S	1.Y00258	1.Y00257	1.Y03080	1.Y09884	1.Y09885	1.Y09887
	D	1.Y00252	1.Y00256	1.Y02703	1.Y09338	1.Y09886	1.Y09888
Model	S	GMHZ2-10S	GMHZ2-16S	GMHZ2-20S	GMHZ2-25S	GMHZ2-32S	GMHZ2-40S
	D	GMHZ2-10D	GMHZ2-16D	GMHZ2-20D	GMHZ2-25D	GMHZ2-32D	GMHZ2-40D
Bore		10	16	20	25	32	40
Fluid		Air					
Operating pressure range (MPa)	Single action	0.35~0.7		0.25~0.7			
	Double action	0.2~0.7		0.1~0.7			
Environment and fluid temperature		-10~60°C					
Repeatability accuracy (mm)		±0.01				±0.02	
Maximum frequency of use (c.p.m)		180				60	
Action mode		Single action · Double action					
Magnetic switch (optional)		Contactless magnetic switch					
Pipe Size		M3×0.5		M5×0.8			



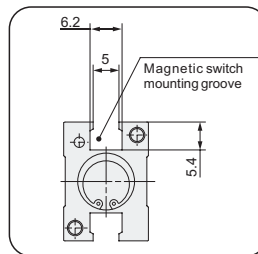
### Gripping force

Model	Gripping force N			Opening/Closing stroke (Both sides) (mm)
	Gripping force per finger Effective value			
	(D) Double action		(S) Single action	
	External	Internal	External	
GMHZ2-10□	11	17	7.1	4
GMHZ2-16□	34	45	27	6
GMHZ2-20□	42	66	33	10
GMHZ2-25□	65	104	45	14
GMHZ2-32□	158	193	131	22
GMHZ2-40□	254	318	217	30



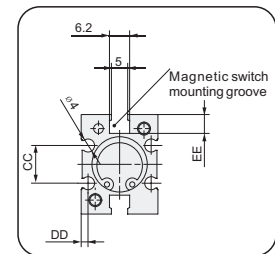
\* For single action, the port on one side is a breathing hole.

GMHZ2-10□ Magnetic Switch Mounting Groove Dimensions



Note) When using Magnetic switches, throughhole mounting is not possible.

GMHZ2-□□ Magnetic Switch Mounting Groove Dimensions



D-Y69 D-Y7

Note) When using Magnetic switches D-Y59, D-Y69, D-Y7, throughhole mounting is not possible.

### Dimensions table

Bore	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ØL	M	N
10	6	23	12	37.8	57	29	15.2 <sup>+0.2</sup> <sub>-0.2</sub>	11.2 <sup>+0.2</sup> <sub>-0.2</sub>	4 <sup>+0.1</sup> <sub>-0.1</sub>	16	M3x0.5	6	5.5	6	2.6	27	Ø11H9T2
16	7.5	24.5	15	42.5	67.3	38	20.9 <sup>+0.2</sup> <sub>-0.2</sub>	14.9 <sup>+0.2</sup> <sub>-0.2</sub>	5 <sup>+0.1</sup> <sub>-0.1</sub>	24	M4x0.7	4.5	8	8	3.4	30	Ø17H9T2
20	9.5	29	20	52.8	84.8	50	26.3 <sup>+0.2</sup> <sub>-0.2</sub>	16.3 <sup>+0.2</sup> <sub>-0.2</sub>	8 <sup>+0.1</sup> <sub>-0.1</sub>	30	M5x0.8	8	10	10	4.3	35	Ø21H9T3
25	11	30	25	63.6	102.7	63	33.3 <sup>+0.2</sup> <sub>-0.2</sub>	19.3 <sup>+0.2</sup> <sub>-0.2</sub>	10 <sup>+0.1</sup> <sub>-0.1</sub>	36	M6x1	10	12	12	5.1	36.5	Ø26H9T3.5
32	12	40(49)	29	67(76)	113(122)	97	48 <sup>+0.5</sup> <sub>-0.5</sub>	26 <sup>+0.5</sup> <sub>-0.5</sub>	12 <sup>+0.1</sup> <sub>-0.1</sub>	46	M6x1	10	13	13	5.1	48(57)	Ø34H9T4
40	15	49(62)	36	83(96)	139(152)	119	60 <sup>+0.7</sup> <sub>-0.7</sub>	30 <sup>+0.8</sup> <sub>-0.8</sub>	14 <sup>+0.1</sup> <sub>-0.1</sub>	56	M8x1.25	13	16	17	6.6	58(71)	Ø42H9T4

Bore	O	P	Q	R	S	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE
10	11.4	M2.5x0.45	3	5.7	M3x0.5	23	9	19	5 <sup>+0.05</sup> <sub>-0.05</sub>	11	Ø2H9T3	16.4 <sup>+0.05</sup> <sub>-0.05</sub>	5.2 <sup>+0.02</sup> <sub>-0.02</sub>	7.6 <sup>+0.02</sup> <sub>-0.02</sub>	18	12	-	-	-
16	16	M3x0.5	4	7	M5x0.8	30.6	7.5	19	8 <sup>+0.05</sup> <sub>-0.05</sub>	13	Ø3H9T3	23.6 <sup>+0.05</sup> <sub>-0.05</sub>	6.5 <sup>+0.02</sup> <sub>-0.02</sub>	11 <sup>+0.02</sup> <sub>-0.02</sub>	22	15	11.6	2.1	5.8
20	18.6	M4x0.7	5	9	M5x0.8	42	10	23	10 <sup>+0.05</sup> <sub>-0.05</sub>	15	Ø4H9T4	27.6 <sup>+0.05</sup> <sub>-0.05</sub>	7.5 <sup>+0.02</sup> <sub>-0.02</sub>	16.8 <sup>+0.02</sup> <sub>-0.02</sub>	32	18	14	2.1	9
25	22	M5x0.8	6	12	M5x0.8	52	10.7	23.5	12 <sup>+0.05</sup> <sub>-0.05</sub>	20	Ø4H9T4	33.6 <sup>+0.05</sup> <sub>-0.05</sub>	10 <sup>+0.02</sup> <sub>-0.02</sub>	21.8 <sup>+0.02</sup> <sub>-0.02</sub>	40	22	19	3.5	11.5
32	26	M6x1	7	14	M5x0.8	60	11	31(37)	15 <sup>+0.05</sup> <sub>-0.05</sub>	24	Ø5H9T5	40 <sup>+0.1</sup> <sub>-0.1</sub>	12 <sup>+0.02</sup> <sub>-0.02</sub>	23 <sup>+0.02</sup> <sub>-0.02</sub>	46	26	24	3.3	11.5
40	32	M8x1.25	9	17	M5x0.8	72	12	38(45)	18 <sup>+0.05</sup> <sub>-0.05</sub>	28	Ø5H9T5	48 <sup>+0.1</sup> <sub>-0.1</sub>	14 <sup>+0.02</sup> <sub>-0.02</sub>	29 <sup>+0.02</sup> <sub>-0.02</sub>	56	32	29.4	3.7	13



# Y Type Gripper

Profile · SUS Tube

Stents Module

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Grip Module

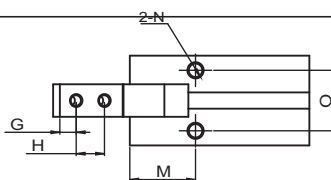
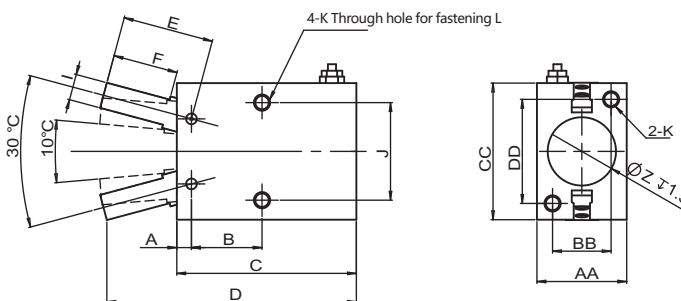
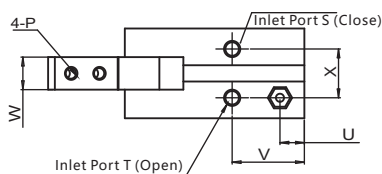
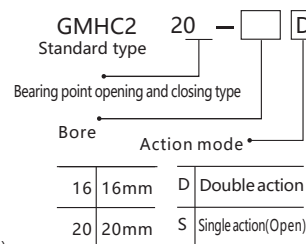
Air Nipper

Vacuum Module

Accessory Components



PN	S	1.Y02014	1.Y02730
	D	1.Y05738	1.Y04328
Model	S	GMHC2-16S	GMHC2-20S
	D	GMHC2-16D	GMHC2-20D
Bore	16		20
Fluid	Air		
Operating pressure range	Single action	0.1~0.6	
	Double action	0.25~0.6	
Environment and fluid temperature	-10~60°C		
Maximum frequency of use	180c.p.m		
Repeatability accuracy	±0.01		



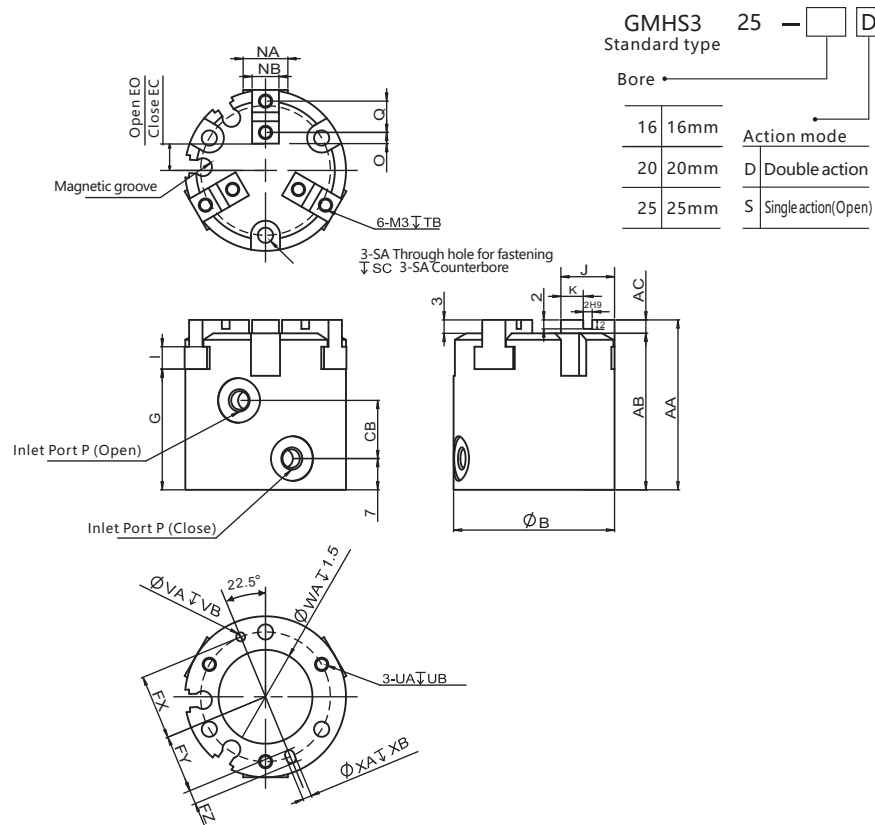
(Bore) (mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Pipe Size S T	U	V	W	X	Z	AA	BB	CC	DD
16	3.9	16.2	44.6	62.5	22.6	16	4	7	7	24	M4X0.7 $\nabla$ 8	3.4	10.7	M4X0.7 $\nabla$ 8	16	M3X0.5	M5X0.8	7	18.3	8	13	17	23.6	15	30.6	22
20	4.5	21.7	55.2	78.7	28	20	5.2	9	8	30	M5X0.8 $\nabla$ 10	4.3	15.7	M5X0.8 $\nabla$ 8	8.6	M4X0.7	M5X0.8	7.5	22.2	10	15	21	27.6	18	42	32

# Three Jaws Gripper



PN	1.Y04529	1.Y04764	1.Y05750	
Model	GMHS3-16D	GMHS3-20D	GMHS3-25D	
Bore	16	20	25	
Fluid	Air			
Operating pressure range	0.2~0.6MPa			
Environment and fluid temperature	-10~60°C			
Repeatability accuracy	±0.01			
Maximum frequency of use	120c.p.m			
Action mode	Double action			
*Note gripping force N Pressure 0.5MPa	External diameter clamping	14	25	42
	Internal diameter clamping	16	28	47
	External diameter clamping with dust cover	9	21	36
Standard finger stroke with hood	4	4	6	
Long stroke finger stroke	10	10	12	
Pipe Size	M3×0.5	M5×0.8		
Magnetic switch	Built in magnetic ring type			

Note (Clamping force when holding the outside diameter, The value of the holding point of Ø16-Ø25 is L=20mm)



Bore	AA	AB	B	CB	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB
16	35	32	30	11	5	7	12.5	11	3	25	4	10	4	8	5h9
20	38	35	36	13	6	8	14.5	13	3	27	5	12	5	10	6h9
25	40	37	42	15	7	10	17	14.5	5	28	5	14	6	12	6h9

Bore	O	P	Q	SA	SB	SC	TB	UA	UB	VA	VB	WA	XA	XB
16	2	M3x0.5	6	3.4	6.5	8	5	M3x0.5	4.5	2H9	2	17H9	2H9	2
20	2.5	M5x0.8	7	3.4	6.5	9.5	6	M3x0.5	6	2H9	2	21H9	2H9	2
25	3	M5x0.8	8	4.5	8	10	6	M4x0.7	6	3H9	3	26H9	3H9	3

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# Air Slide Table Double-ported Type GMXQ □A Series

**NEW**

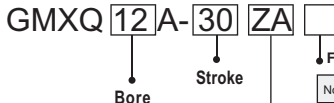


Bore size (mm)	6	8	12	16	20	25
Piping port size	M5 x 0.8					
Fluid	Air					
Action	Double acting					
Operating pressure	0.15 to 0.7 MPa*1 (End lock: 0.35 to 0.7 Mpa)*1					
Proof pressure	1.05MPa					
Ambient and fluid temperatures	-10~60°C					
Operating speed range	50 to 500 mm/s (Metal stopper with bumper: 50 to 300 mm/s)					
(Average operating speed)	50~300mm/s the standard stroke table : 50 to 300 mm/s					
Cushion (Without stroke adjuster)	Internal rubber bumper					
Cushion (With stroke adjuster)	Metal stopper with bumper, Rubber stopper, Shock absorber, Metal stopper					
Lubrication	Non-lube					
Magnetic switch	2-color indicator solid state magnetic switch (2-wire, 3-wire)					
Stroke length tolerance	+2.0~0					

Solid state magnetic switch, Reed magnetic switch (2-wire, 3-wire)

Note) If the operating pressure is lower than the minimum operating pressure, the repeated accuracy will decline. Minimum operating pressure of the metal stopper with bumper: Pressure required to fully compress the protrusion of the bumper to get in contact with the metal part The operating pressure of the bore size 20 cylinder with shock absorber is 0.15 to 0.6 MPa.

### Model representation methods



Functional options	None	Without functional option
1	With buffer	
2	With end lock	
3	Axial piping	
4	With buffer, end lock	
5	With buffer, axial piping	

### Stroke/magnetic switch selection

Model	(mm)	Standard stroke (mm)	Magnetic switch	
			Contactless	
			2-wire	3-wire
GMXQ6A	6	10,20,30,40,50	D-M9B D-M9BL D-M9BV D-M9BVL	D-M9N
GMXQ8A	8	10,20,30,40,50,75		D-M9NL
GMXQ12A	12	10,20,30,40,50,75,100		D-M9NV
GMXQ16A	16	10,20,30,40,50,75,100,125		D-M9NVL
GMXQ20A	20	10,20,30,40,50,75,100,125,150		D-M9P
GMXQ25A	25	10,20,30,40,50,75,100,125,150*		D-M9PL
				D-M9PV
				D-M9PVL

\* The operating speed range of the stroke marked with an asterisk (\*) is 50 to 300 mm/s. (Without stroke adjuster)

### Adjuster options/Functional option combinations

Symbol	Adjuster type	Adjuster mounting position*1		Functional option combination					
		Extension stroke end	Retraction stroke end	None	1	2	3	4	5
Z	Without adjuster			Without functional option	With buffer 2,3	With end lock 4	Axial piping	With buffer, end lock 2,4	With buffer, axial piping 2
ZA	Metal stopper with bumper (Ø6)	●	●	○	○	○	○	○	○
ZB		●	●	○	○	○	○	○	○
ZC		●	●	○	○	○	○	○	○
ZD		●	●	○	○	○	○	○	○
ZE	Rubber stopper	●	●	○	○	○	○	○	○
ZF		●	●	○	○	○	○	○	○
ZG		●	●	○	○	○	○	○	○
ZH	Shock absorber/RJ	●	●	○	○	○	○	○	○
ZJ		●	●	○	○	○	○	○	○
ZN		●	●	○	○	○	○	○	○
ZP		●	●	○	○	○	○	○	○
ZQ	Shorter total length type*5	●	●	○	○	○	○	○	○
ZS		●	●	○	○	○	○	○	○
ZS		●	●	○	○	○	○	○	○

### Maximum Load Weight

Model	Adjuster option			kg	
	Without adjuster	Rubber stopper	Metal stopper with bumper	Horizontal	Vertical
GMXQ6A	0.6	0.6	—	0.6	
GMXQ8A	1	1	1	1	
GMXQ12A	2	2	2	1.5	1
GMXQ16A	4	4	4	4	2.5
GMXQ20A	6	6	6	6	
GMXQ25A	9	9	9	9	6

### Allowable Kinetic Energy

Model	Adjuster option			
	Without adjuster	Rubber stopper	Metal stopper with bumper	Shock absorber/RJ
GMXQ6A	0.026	0.051	—	0.14
GMXQ8A	0.033	0.053	0.016	0.17
GMXQ12A	0.09	0.11	0.034	0.24
GMXQ16A	0.1	0.18	0.07	0.61
GMXQ20A	0.2	0.34	0.10	1.2
GMXQ25A	0.32	0.51	0.15	1.3

### Theoretical Output

Bore size(mm)	Rod size mm	Operating direction	Piston area (mm <sup>2</sup> )	(Mpa) Operating pressure (Mpa)						
				0.2	0.3	0.4	0.5	0.6	0.7	
6	3	OUT	57	11	17	23	29	34	40	
		IN	42	8	13	17	21	25	29	
8	4	OUT	101	20	30	40	51	61	71	
		IN	75	15	23	30	38	45	53	
12	6	OUT	226	45	68	90	113	136	158	
		IN	170	34	51	68	85	102	119	
16	6	OUT	402	80	121	161	201	241	281	
		IN	346	69	104	138	173	207	242	
20	8	OUT	628	126	188	251	314	377	440	
		IN	528	106	158	211	264	317	369	
25	10	OUT	982	196	295	393	491	589	687	
		IN	825	165	247	330	412	495	577	

The dual rod ensures an output twice that of current cylinders.

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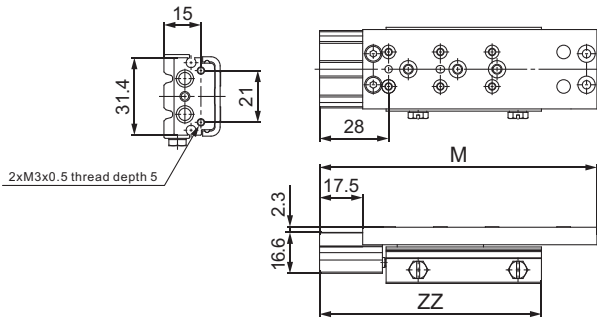
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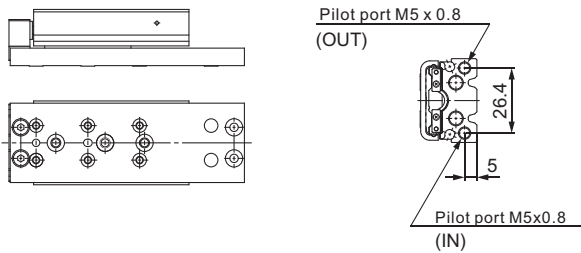
### GMXQ6A - □□1 With buffer (Ø6)



\* Dimensions other than those listed above are the same as those for the standard type.

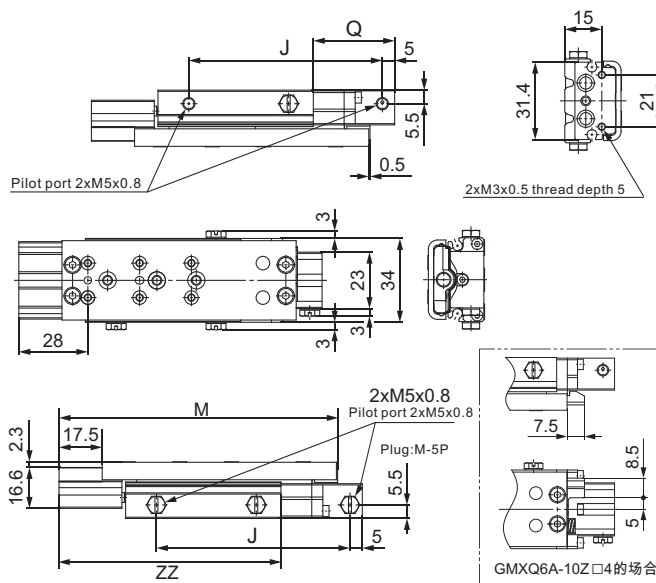
Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ6A-10Z□1	81.5	72	77
GMXQ6A-20Z□1	91.5	82	77
GMXQ6A-30Z□1	112.5	103	90
GMXQ6A-40Z□1	124.5	115	102
GMXQ6A-50Z□1	134.5	125	112

### GMXQ6A-□□3 Axial piping (Ø6)



\* Dimensions other than those listed above are the same as those for the standard type.

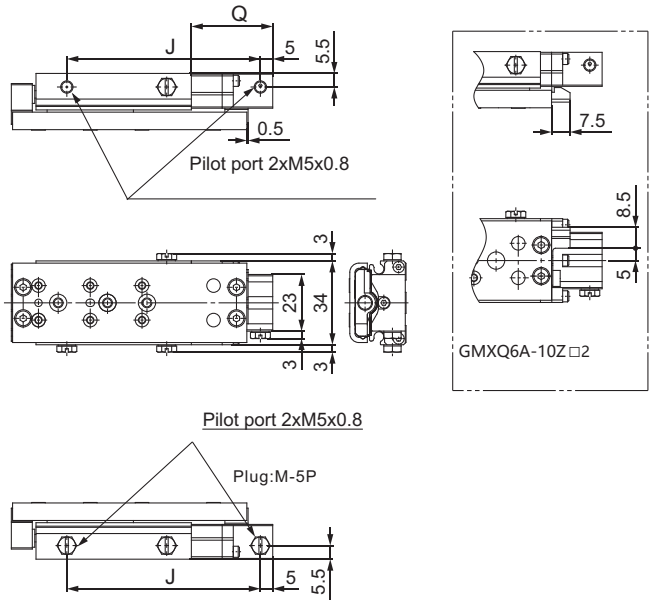
### GMXQ6A-□□4 With buffer, end lock (Ø6)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Q	Standard type	Shorter total length type	ZZ
			M	M	
GMXQ6A-10Z□4	57.5	25	81.5	72	77
GMXQ6A-20Z□4	57.5	25	91.5	82	77
GMXQ6A-30Z□4	78.5	33	112.5	103	90
GMXQ6A-40Z□4	90.5	33	124.5	115	102
GMXQ6A-50Z□4	100.5	33	134.5	125	112

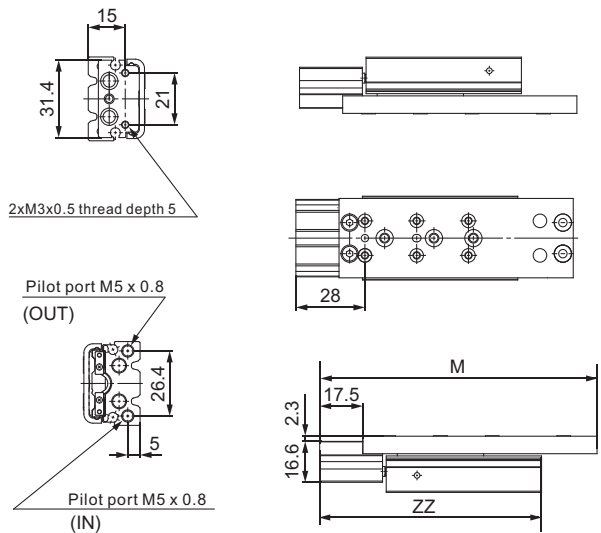
### GMXQ6A - □□2 With end lock (Ø6)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Q
GMXQ6A-10Z□2	57.5	25
GMXQ6A-20Z□2	57.5	25
GMXQ6A-30Z□2	78.5	33
GMXQ6A-40Z□2	90.5	33
GMXQ6A-50Z□2	100.5	33

### GMXQ6A-□□5 With buffer, axial piping (Ø6)

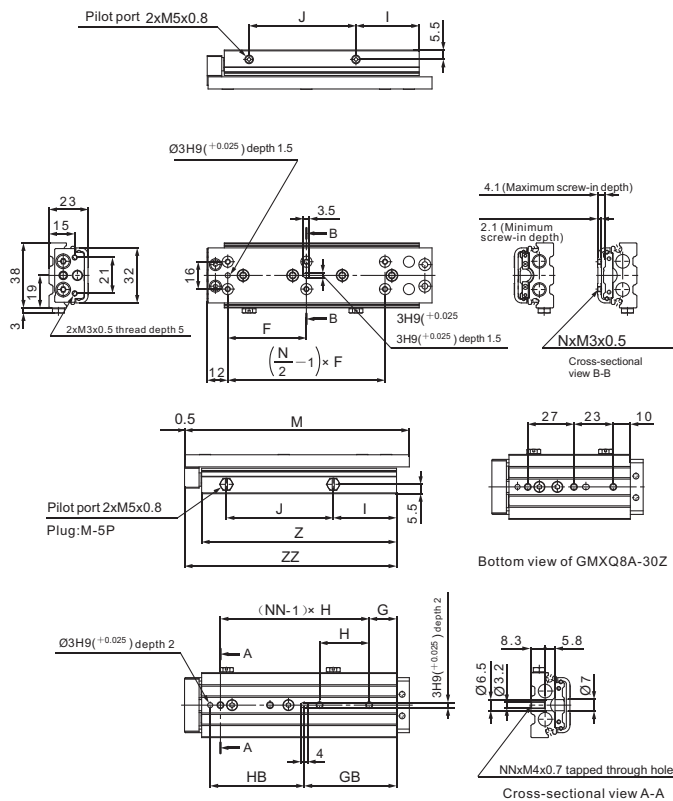


\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ6A-10Z□5	81.5	72	77
GMXQ6A-20Z□5	91.5	82	77
GMXQ6A-30Z□5	112.5	103	90
GMXQ6A-40Z□5	124.5	115	102
GMXQ6A-50Z□5	134.5	125	112

# Air Slide Table Double-ported Type GMXQ□ A Series

## GMXQ8A-□Z Standard type



\*1 If long bolts are used, they may touch the guide block and cause a malfunction, etc. Use a screw which has an intermediate length between the maximum screw-in depth and minimum screw-in depth.  
 \*2 Since the table is made of a magnetic substance, it could become magnetized if touched by a magnet, etc. This could cause an auto switch malfunction.

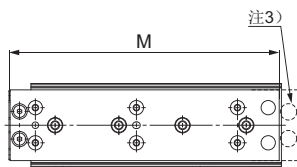
**Dimensions (mm)**

Model	F	G	GB	H	HB	I
GMXQ8A-10Z	25	15	9	25	37	10
GMXQ8A-20Z	25	22	16	28	40	14
GMXQ8A-30Z	26	-	26	-	40	14.5
GMXQ8A-40Z	32	14	27	31	55	20
GMXQ8A-50Z	46	16	54	29	55	37
GMXQ8A-75Z	50	15	56	30	55	10

Model	J	M	N	NN	Z	ZZ
GMXQ8A-10Z	26.5	68.5	4	2	51	61
GMXQ8A-20Z	32.5	78.5	4	2	61	71
GMXQ8A-30Z	42	88.5	6	3	71	81
GMXQ8A-40Z	52.5	104.5	6	3	87	97
GMXQ8A-50Z	62.5	131.5	6	4	114	124
GMXQ8A-75Z	91.5	156.5	6	4	116	126

## GMXQ8A-□ZN Shorter total length type



Mode	M
GMXQ8A-10ZN	60
GMXQ8A-20ZN	70
GMXQ8A-30ZN	80
GMXQ8A-40ZN	96
GMXQ8A-50ZN	123
GMXQ8A-75ZN	148

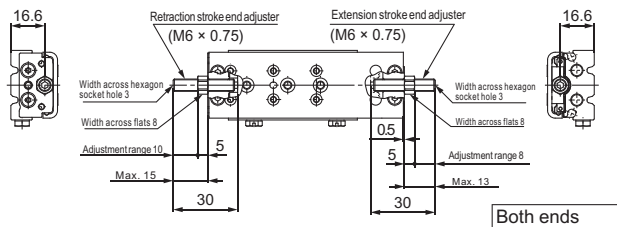
\* Dimensions other than those listed above are the same as those for the standard type.  
 注3)

\*3 As the total length has been reduced by removing the extension stroke end adjuster mounting holes, an extension stroke end adjuster cannot be mounted afterward. (Retraction stroke end adjusters can be mounted afterward.)

## GMXQ8A □□ With adjuster option (Ø8)

Metal stopper with bumper **ZA** : Both ends, **ZB** : Extension stroke end, **ZC** : Retraction stroke end,

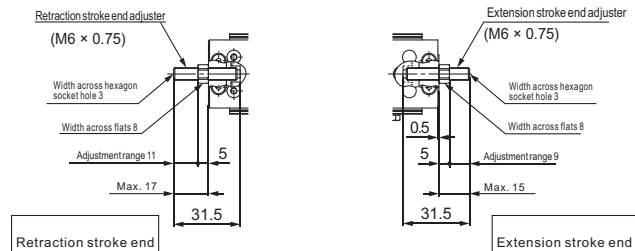
**ZS** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Rubber stopper **ZD** : Both ends, **ZE** : Extension stroke end, **ZF** : Retraction stroke end,

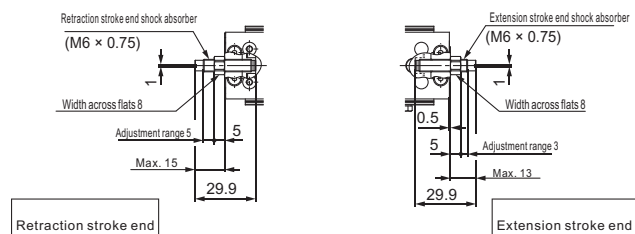
**ZP** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Shock absorber/RJ **ZG** : Both ends, **ZH** : Extension stroke end, **ZJ** : Retraction stroke end,

**ZQ** : Retraction stroke end (Shorter total length type)

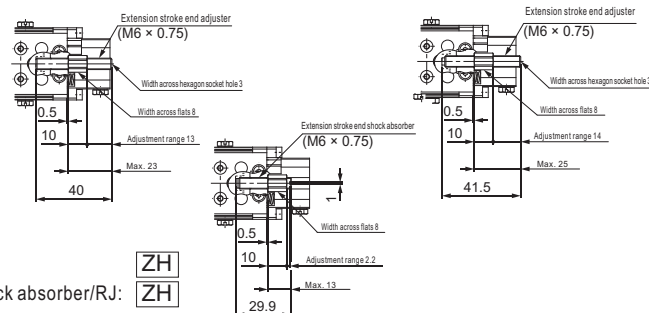


\* Dimensions other than those listed above are the same as those for the standard type.

## GMXQ8A □□ 2 With adjuster option (Ø8)

Metal stopper with bumper **ZB**

Rubber stopper: **ZE**

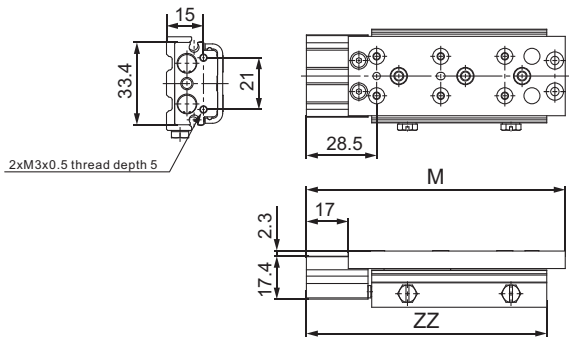


Shock absorber/RJ: **ZH**

\* Dimensions other than those listed above are the same as those for the standard type.

# Air Slide Table Double-ported Type GMXQ□A Series

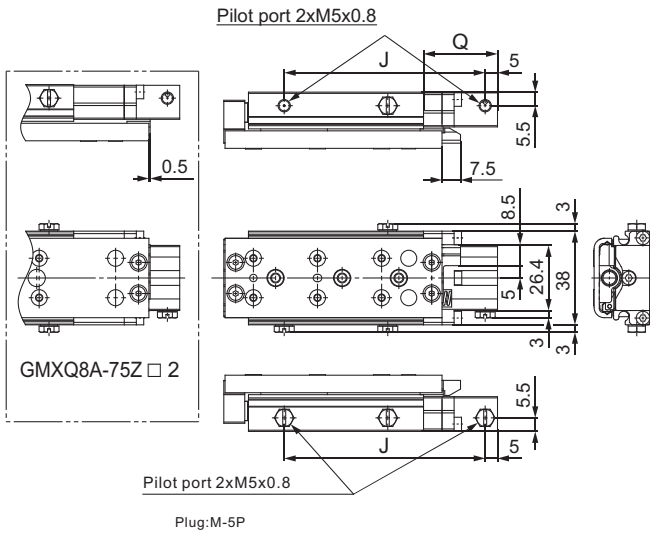
## GMXQ8A - □□1 With buffer (Ø8)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ8A-10Z□1	85	76.5	77.5
GMXQ8A-20Z□1	95	86.5	87.5
GMXQ8A-30Z□1	105	96.5	97.5
GMXQ8A-40Z□1	121	112.5	113.5
GMXQ8A-50Z□1	148	139.5	140.5
GMXQ8A-75Z□1	173	164.5	142.5

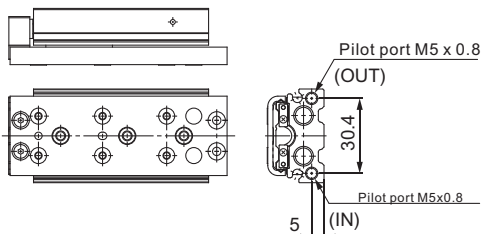
## GMXQ8A - □□2 With buffer (Ø8)



\* Dimensions other than those listed above are the same as those for the standard type.

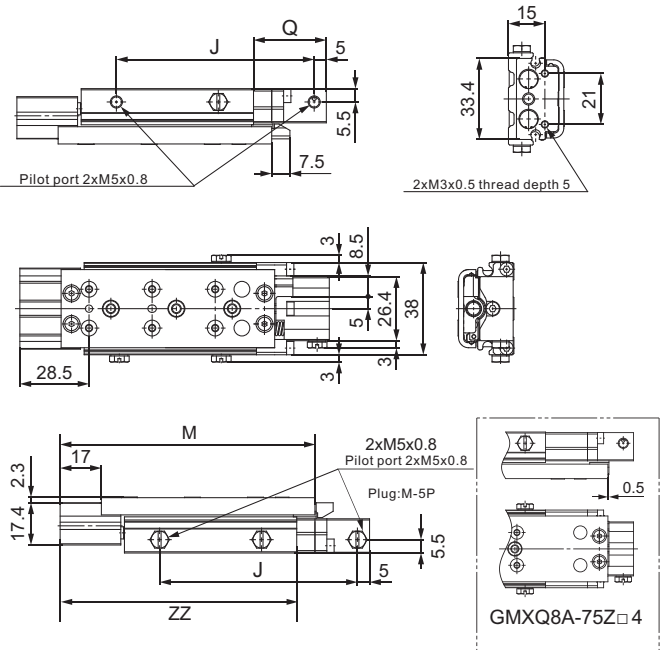
Model	J	Q	Standard type	Shorter total length type	ZZ
			M	M	
GMXQ8A-10Z□2	61.5	30	85	76.5	77.5
GMXQ8A-20Z□2	71.5	30	95	86.5	87.5
GMXQ8A-30Z□2	81.5	30	105	96.5	97.5
GMXQ8A-40Z□2	97.5	30	121	112.5	113.5
GMXQ8A-50Z□2	124.5	30	148	139.5	140.5
GMXQ8A-75Z□2	139.5	43	173	164.5	142.5

## GMXQ8A-□□3 Axial piping (Ø8)



\* Dimensions other than those listed above are the same as those for the standard type.

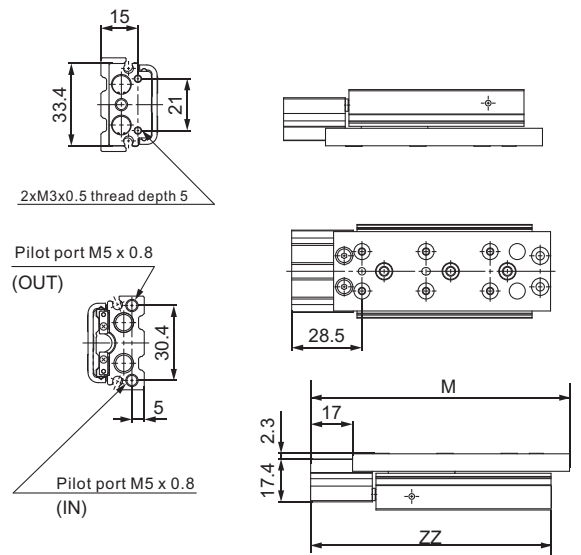
## GMXQ8A-□□4 With buffer, end lock (Ø8)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Q	Standard type	Shorter total length type	ZZ
			M	M	
GMXQ8A-10Z□4	61.5	30	85	76.5	77.5
GMXQ8A-20Z□4	71.5	30	95	86.5	87.5
GMXQ8A-30Z□4	81.5	30	105	96.5	97.5
GMXQ8A-40Z□4	97.5	30	121	112.5	113.5
GMXQ8A-50Z□4	124.5	30	148	139.5	140.5
GMXQ8A-75Z□4	139.5	43	173	164.5	142.5

## GMXQ8A-□□5 With buffer axial piping (Ø8)

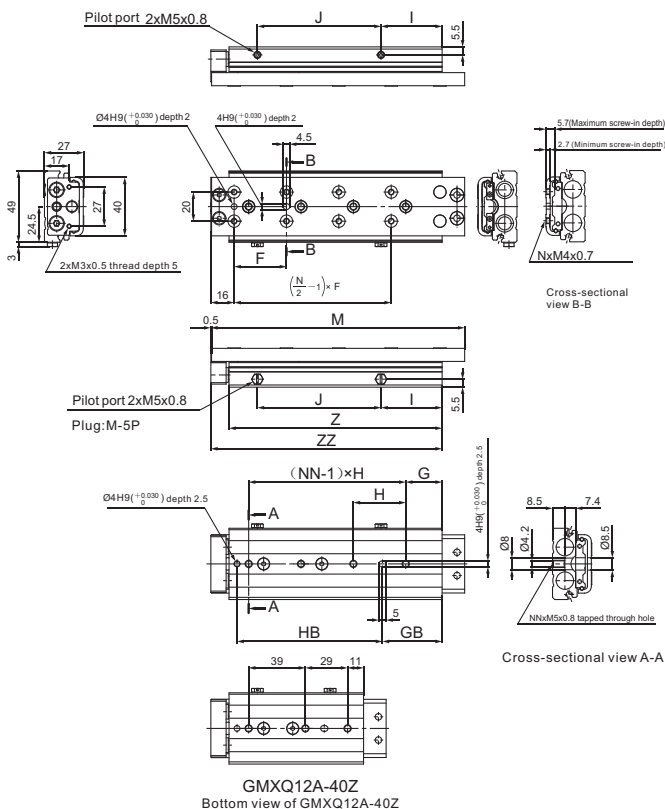


\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ8A-10Z□5	85	76.5	77.5
GMXQ8A-20Z□5	95	86.5	87.5
GMXQ8A-30Z□5	105	96.5	97.5
GMXQ8A-40Z□5	121	112.5	113.5
GMXQ8A-50Z□5	148	139.5	140.5
GMXQ8A-75Z□5	173	164.5	142.5

# Air Slide Table Double-ported Type GMXQ□A Series

## GMXQ12A-□Z Standard type



\*1 If long bolts are used, they may touch the guide block and cause a malfunction, etc. Use a screw which has an intermediate length between the maximum screw-in depth and minimum screw-in depth.  
 \*2 Since the table is made of a magnetic substance, it could become magnetized if touched by a magnet, etc. This could cause an auto switch malfunction.

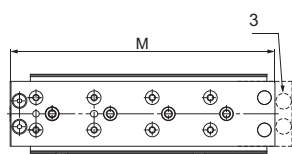
**Dimensions (mm)**

Model	F	G	GB	H	HB	I
GMXQ12A-10Z	28	17	11	32	46	11
GMXQ12A-20Z	28	19	11	32	48	13
GMXQ12A-30Z	38	21	11	40	58	15
GMXQ12A-40Z	34	-	27	-	60	23
GMXQ12A-50Z	34	11	37	39	60	23
GMXQ12A-75Z	36	25	41	36	100	42
GMXQ12A-100Z	36	14	66	36	100	42

型号 (Model)	J	M	N	NN	Z	ZZ
GMXQ12A-10Z	32	82.5	4	2	62.5	75
GMXQ12A-20Z	32	92.5	4	2	64.5	77
GMXQ12A-30Z	40	102.5	4	2	74.5	87
GMXQ12A-40Z	50	120.5	6	3	92.5	105
GMXQ12A-50Z	60	130.5	6	3	102.5	115
GMXQ12A-75Z	85	174.5	8	4	146.5	159
GMXQ12A-100Z	110	199.5	10	5	171.5	184

## GMXQ12A-□ZN Shorter total length type



Model	M
GMXQ12A-10ZN	72
GMXQ12A-20ZN	82
GMXQ12A-30ZN	92
GMXQ12A-40ZN	110
GMXQ12A-50ZN	120
GMXQ12A-75ZN	164
GMXQ12A-100ZN	189

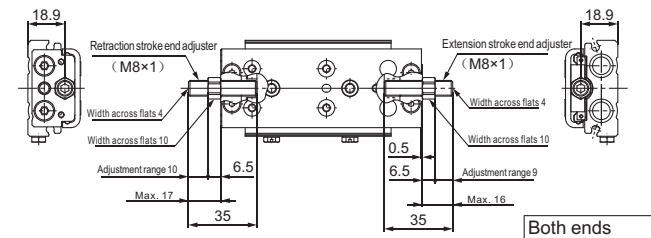
\* Dimensions other than those listed above are the same as those for the standard type.

\*3 As the total length has been reduced by removing the extension stroke end adjuster mounting holes, an extension stroke end adjuster cannot be mounted afterward. (Retraction stroke end adjusters can be mounted afterward.)

## GMXQ12A-□□ With adjuster option (Ø12)

Metal stopper with bumper **ZA** : Both ends, **ZB** : Extension stroke end, **ZC** : Retraction stroke end,

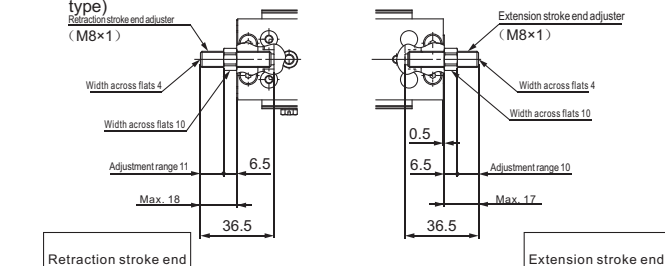
**ZS** : Retraction stroke end (Shorter total length type)



Rubber stopper

**ZD** : Both ends, **ZE** : Extension stroke end, **ZF** : Retraction stroke end,

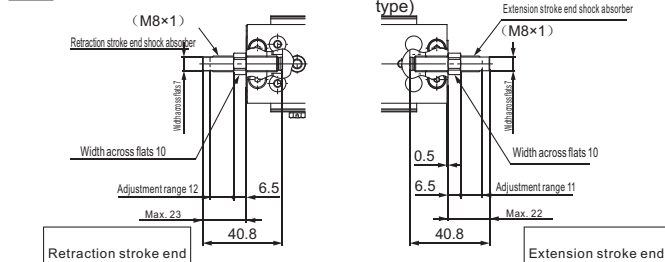
**ZP** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Shock absorber/RJ **ZG** : Both ends, **ZH** : Extension stroke end, **ZJ** : Retraction stroke end,

**ZQ** : Retraction stroke end (Shorter total length type)

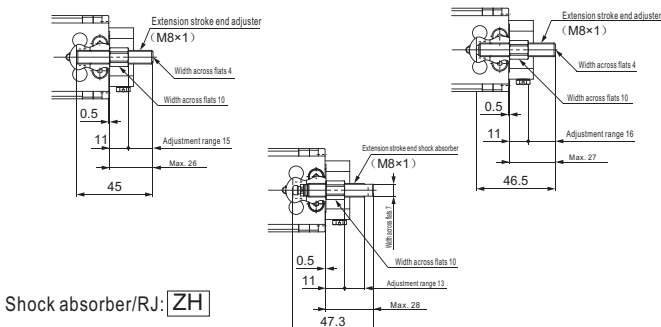


\* Dimensions other than those listed above are the same as those for the standard type.

## GMXQ12A □□ With end lock, extension stroke end adjuster (Ø12)

Metal stopper with bumper **ZB**

Rubber stopper: **ZE**



Shock absorber/RJ: **ZH**

\* Dimensions other than those listed above are the same as those for the standard type.



# Air Slide Table Double-ported Type GMXQ □A Series

Profile · SUS Tube

Stents Module

Quick Changer

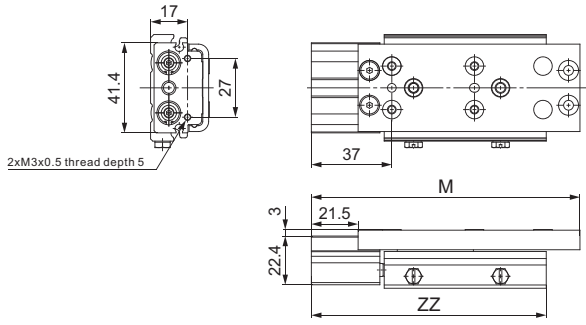
Grip Module

Air Nipper

Vacuum Module

Accessory Components

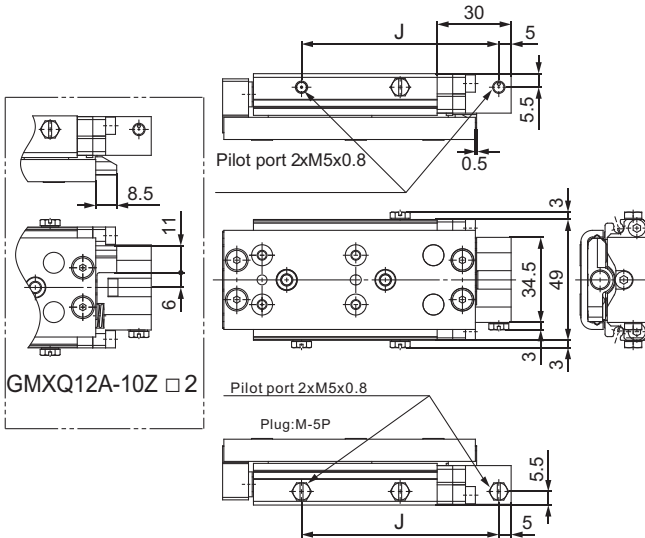
## GMXQ12A - □□1 With buffer (Ø12)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ12A-10Z□1	103.5	93	96
GMXQ12A-20Z□1	113.5	103	98
GMXQ12A-30Z□1	123.5	113	108
GMXQ12A-40Z□1	141.5	131	126
GMXQ12A-50Z□1	151.5	141	136
GMXQ12A-75Z□1	195.5	185	180
GMXQ12A-100Z□1	220.5	210	205

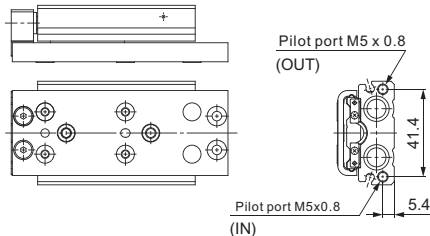
## GMXQ12A - □□2 With end lock (Ø12)



\* Dimensions other than those listed above are the same as those for the standard type.

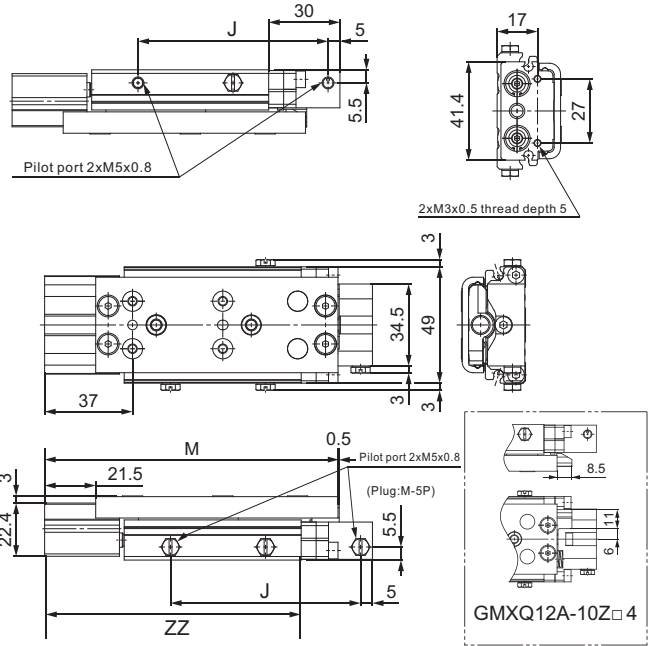
Model	J
GMXQ12A-10Z□2	68
GMXQ12A-20Z□2	70
GMXQ12A-30Z□2	80
GMXQ12A-40Z□2	98
GMXQ12A-50Z□2	108
GMXQ12A-75Z□2	152
GMXQ12A-100Z□2	177

## GMXQ12A-□□3 Axial piping (Ø12)



\* Dimensions other than those listed above are the same as those for the standard type.

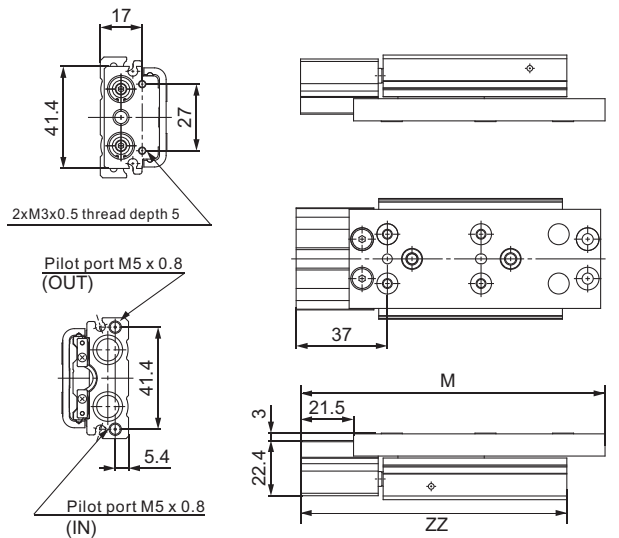
## GMXQ12A - □□4 With buffer, end lock (Ø12)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Standard type	Shorter total length type	ZZ
		M	M	
GMXQ12A-10Z□4	68	103.5	93	96
GMXQ12A-20Z□4	70	113.5	103	98
GMXQ12A-30Z□4	80	123.5	113	108
GMXQ12A-40Z□4	98	141.5	131	126
GMXQ12A-50Z□4	108	151.5	141	136
GMXQ12A-75Z□4	152	195.5	185	180
GMXQ12A-100Z□4	177	220.5	210	205

## GMXQ12A-□□5 With buffer, axial piping (Ø12)

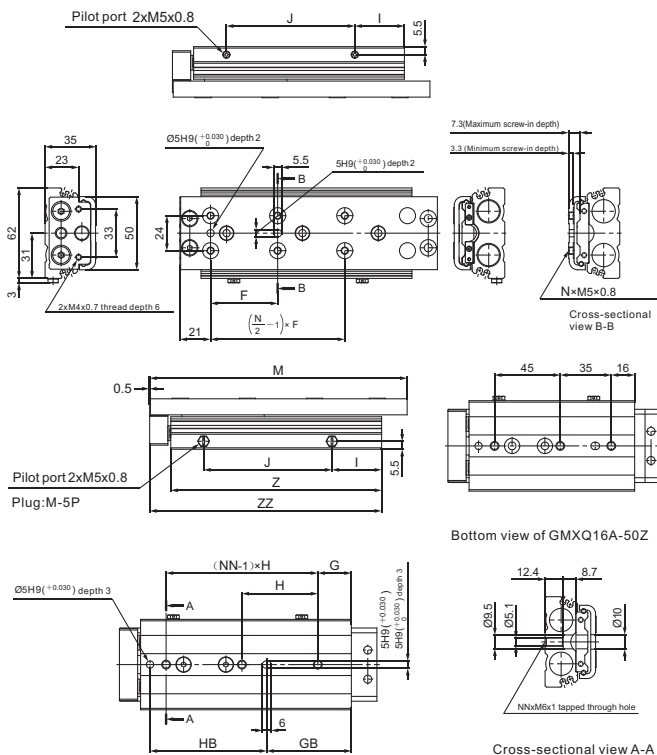


\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ12A-10Z□5	103.5	93	96
GMXQ12A-20Z□5	113.5	103	98
GMXQ12A-30Z□5	123.5	113	108
GMXQ12A-40Z□5	141.5	131	126
GMXQ12A-50Z□5	151.5	141	136
GMXQ12A-75Z□5	195.5	185	180
GMXQ12A-100Z□5	220.5	210	205

# Air Slide Table Double-ported Type GMXQ□ A Series

## GMXQ16A-□Z Standard type



\*1 If long bolts are used, they may touch the guide block and cause a malfunction, etc. Use a screw which has an intermediate length between the maximum screw-in depth and minimum screw-in depth.  
 \*2 Since the table is made of a magnetic substance, it could become magnetized if touched by a magnet, etc. This could cause an auto switch malfunction.

Dimensions (mm)

Model	F	G	GB	H	HB	I
GMXQ16A-10Z	38	16	8	39	58	22
GMXQ16A-20Z	38	20	12	39	58	15
GMXQ16A-30Z	48	21	30	48	50	16
GMXQ16A-40Z	58	28	1	58	80	23
GMXQ16A-50Z	40	-	27	-	80	28
GMXQ16A-75Z	46	23	58	52	80	34
GMXQ16A-100Z	44	39	102	44	80	53
GMXQ16A-125Z	44	20	127	44	80	53

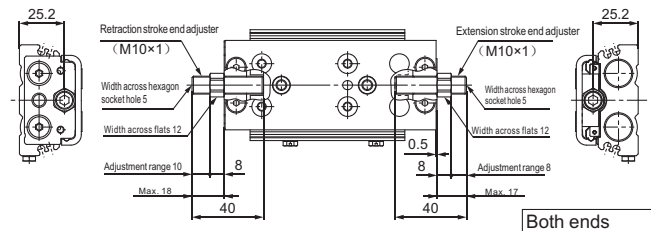
  

Model	J	M	N	NN	Z	ZZ
GMXQ16A-10Z	28	98.5	4	2	72.5	87
GMXQ16A-20Z	39	108.5	4	2	76.5	91
GMXQ16A-30Z	48	118.5	4	2	86.5	101
GMXQ16A-40Z	58	135.5	4	2	103.5	118
GMXQ16A-50Z	63	145.5	6	3	113.5	128
GMXQ16A-75Z	88	176.5	6	3	144.5	159
GMXQ16A-100Z	113	220.5	8	4	188.5	203
GMXQ16A-125Z	138	245.5	10	5	213.5	228

## GMXQ 16A □□ With adjuster option (Ø16)

Metal stopper with bumper **ZA** : Both ends, **ZB** : Extension stroke end, **ZC** : Retraction stroke end,

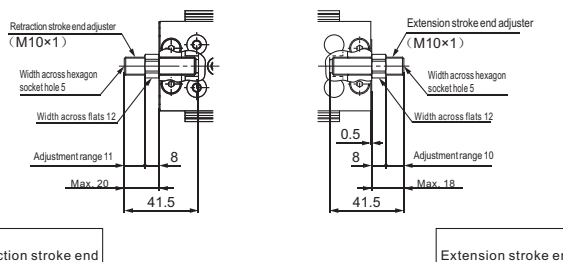
**ZS** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Rubber stopper **ZD** : Both ends, **ZE** : Extension stroke end, **ZF** : Retraction stroke end,

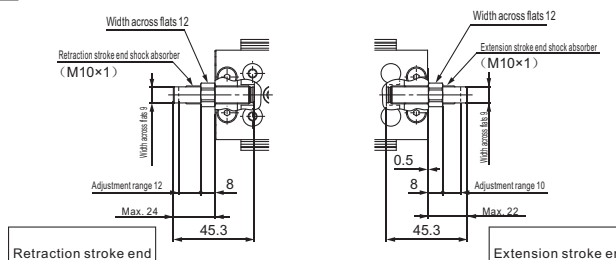
**ZP** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

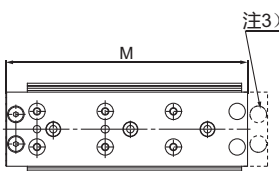
Shock absorber/RJ **ZG** : Both ends, **ZH** : Extension stroke end, **ZJ** : Retraction stroke end,

**ZQ** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

## GMXQ16A-□ZN Shorter total length type



Model	M
GMXQ16A-10ZN	85
GMXQ16A-20ZN	95
GMXQ16A-30ZN	105
GMXQ16A-40ZN	122
GMXQ16A-50ZN	132
GMXQ16A-75ZN	163
GMXQ16A-100ZN	207
GMXQ16A-125ZN	232

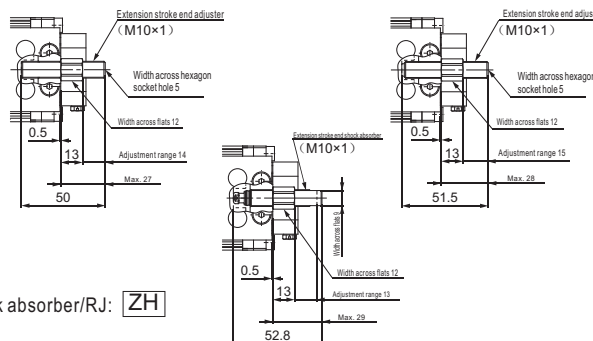
\* Dimensions other than those listed above are the same as those for the standard type.

\*3 As the total length has been reduced by removing the extension stroke end adjuster mounting holes, an extension stroke end adjuster cannot be mounted afterward. (Retraction stroke end adjusters can be mounted afterward.)

## GMXQ 16A □□ With end lock, extension stroke end adjuster (Ø16)

Metal stopper with bumper **ZB**

Rubber stopper: **ZE**



Shock absorber/RJ: **ZH**

\* Dimensions other than those listed above are the same as those for the standard type.



# Air Slide Table Double-ported Type GMXQ□ A Series

Profile · SUS Tube

Stents Module

Quick Changer

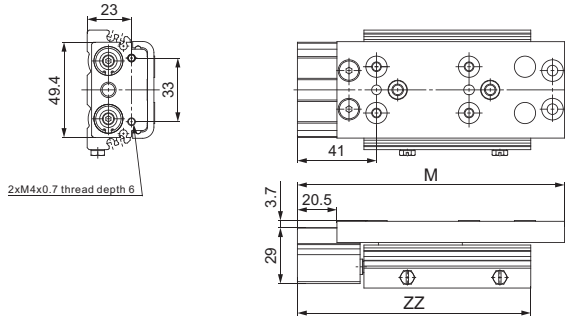
Grip Module

Air Nipper

Vacuum Module

Accessory Components

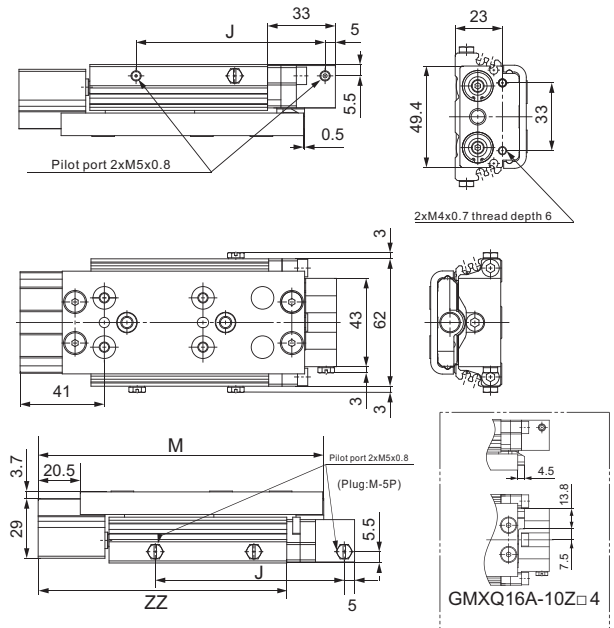
## GMXQ16A - □□1 With buffer (Ø16 )



\* Dimensions other than those listed above are the same as those for the standard type.

Model)	Standard type		ZZ
	M	Shorter total length type M	
GMXQ16A-10Z□1	118.5	105	107
GMXQ16A-20Z□1	128.5	115	111
GMXQ16A-30Z□1	138.5	125	121
GMXQ16A-40Z□1	155.5	142	138
GMXQ16A-50Z□1	165.5	152	148
GMXQ16A-75Z□1	196.5	183	179
GMXQ16A-100Z□1	240.5	227	223
GMXQ16A-125Z□1	265.5	252	248

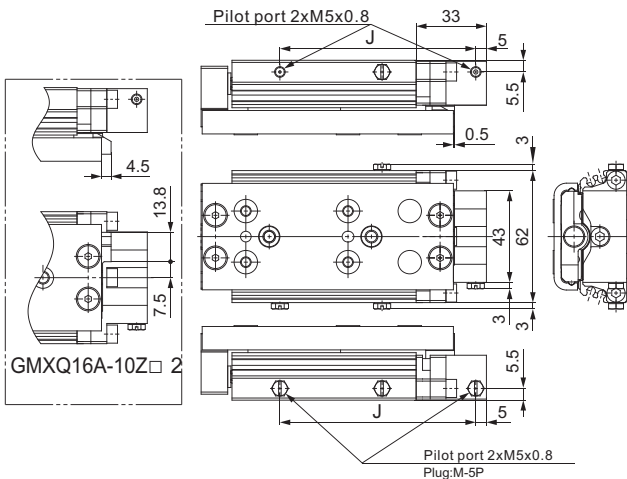
## GMXQ16A- □□4 With buffer, end lock (Ø16 )



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Standard type		ZZ
		M	Shorter total length type M	
GMXQ16A-10Z□4	78	118.5	105	107
GMXQ16A-20Z□4	82	128.5	115	111
GMXQ16A-30Z□4	92	138.5	125	121
GMXQ16A-40Z□4	109	155.5	142	138
GMXQ16A-50Z□4	119	165.5	152	148
GMXQ16A-75Z□4	150	196.5	183	179
GMXQ16A-100Z□4	194	240.5	227	223
GMXQ16A-125Z□4	219	265.5	252	248

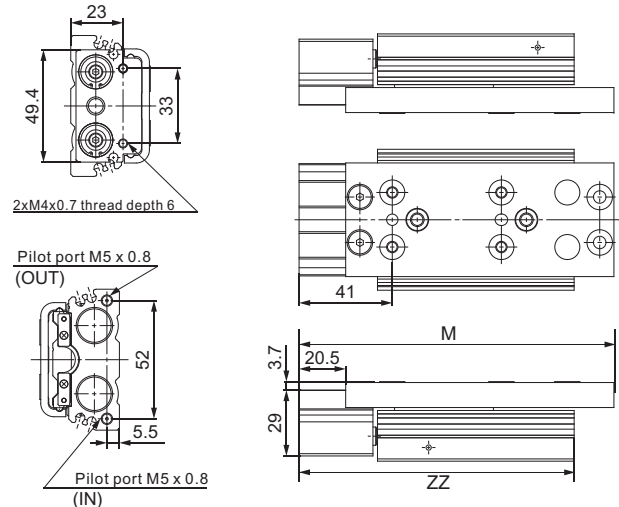
## GMXQ16A - □□2 With end lock (Ø16 )



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J
GMXQ16A-10Z□2	78
GMXQ16A-20Z□2	82
GMXQ16A-30Z□2	92
GMXQ16A-40Z□2	109
GMXQ16A-50Z□2	119
GMXQ16A-75Z□2	150
GMXQ16A-100Z□2	194
GMXQ16A-125Z□2	219

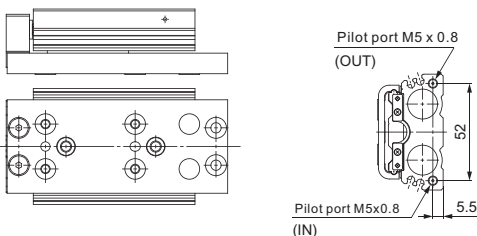
## GMXQ16A-□□5 With buffer, axial piping (Ø16 )



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type		ZZ
	M	Shorter total length type M	
GMXQ16A-10Z□5	118.5	105	107
GMXQ16A-20Z□5	128.5	115	111
GMXQ16A-30Z□5	138.5	125	121
GMXQ16A-40Z□5	155.5	142	138
GMXQ16A-50Z□5	165.5	152	148
GMXQ16A-75Z□5	196.5	183	179
GMXQ16A-100Z□5	240.5	227	223
GMXQ16A-125Z□5	265.5	252	248

## GMXQ16A- □□3 Axial piping (Ø16 )



\* Dimensions other than those listed above are the same as those for the standard type.



# Air Slide Table Double-ported Type GMXQ□ A Series

Profile · SUS Tube

Stents Module

Quick Changer

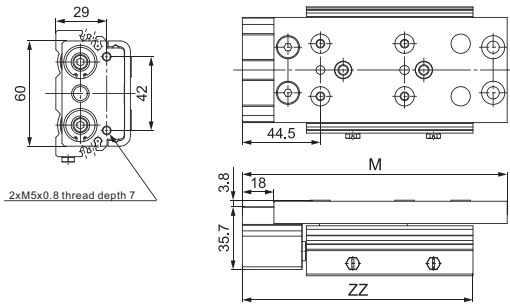
Grip Module

Air Nipper

Vacuum Module

Accessory Components

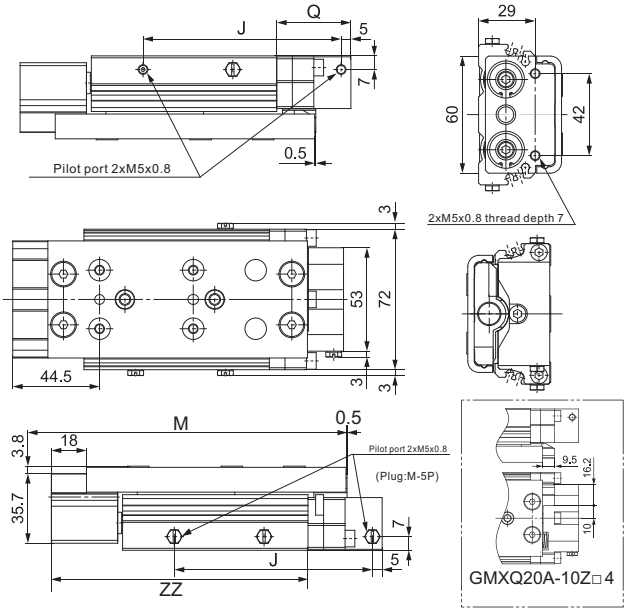
## GMXQ20A - □1 With buffer (Ø20)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type		ZZ
	M	Shorter total length type	
GMXQ20A-10Z□1	131	113.5	121.5
GMXQ20A-20Z□1	141	123.5	121.5
GMXQ20A-30Z□1	151	133.5	131.5
GMXQ20A-40Z□1	161	143.5	141.5
GMXQ20A-50Z□1	177	159.5	157.5
GMXQ20A-75Z□1	211	193.5	191.5
GMXQ20A-100Z□1	284	266.5	241.5
GMXQ20A-125Z□1	309	291.5	266.5
GMXQ20A-150Z□1	334	316.5	291.5

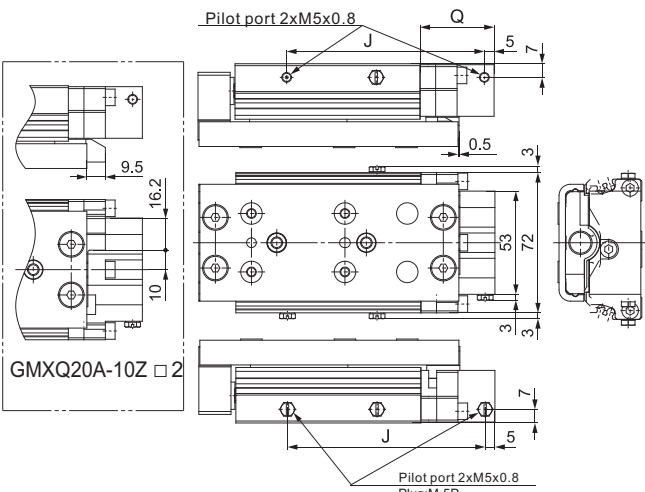
## GMXQ20A- □4 With buffer, end lock (Ø20)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Q	Standard type		ZZ
			M	Shorter total length type	
GMXQ20A-10Z□4	91.5	38	131	113.5	121.5
GMXQ20A-20Z□4	91.5	38	141	123.5	121.5
GMXQ20A-30Z□4	101.5	38	151	133.5	131.5
GMXQ20A-40Z□4	111.5	38	161	143.5	141.5
GMXQ20A-50Z□4	127.5	38	177	159.5	157.5
GMXQ20A-75Z□4	161.5	38	211	193.5	191.5
GMXQ20A-100Z□4	234.5	61	284	266.5	241.5
GMXQ20A-125Z□4	259.5	61	309	291.5	266.5
GMXQ20A-150Z□4	284.5	61	334	316.5	291.5

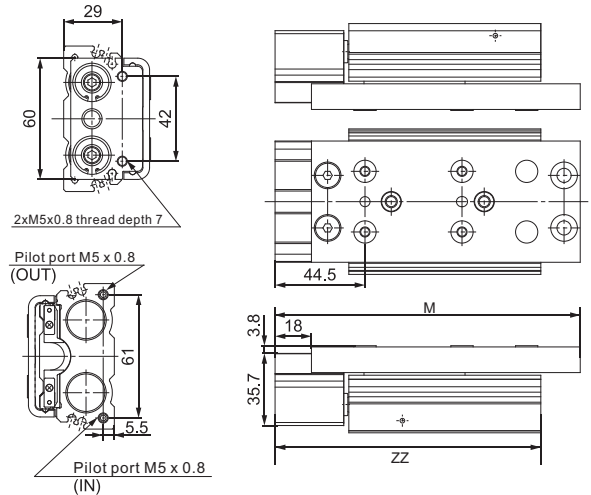
## GMXQ 20A - □2 With end lock (Ø20)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type		ZZ
	J	Q	
GMXQ20A-10Z□2	91.5	38	121.5
GMXQ20A-20Z□2	91.5	38	121.5
GMXQ20A-30Z□2	101.5	38	131.5
GMXQ20A-40Z□2	111.5	38	141.5
GMXQ20A-50Z□2	127.5	38	157.5
GMXQ20A-75Z□2	161.5	38	191.5
GMXQ20A-100Z□2	234.5	61	241.5
GMXQ20A-125Z□2	259.5	61	266.5
GMXQ20A-150Z□2	284.5	61	291.5

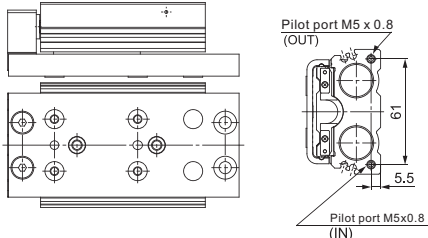
## GMXQ 20A- □5 With buffer, axial piping (Ø20)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type		ZZ
	M	Shorter total length type	
GMXQ20A-10Z□5	131	113.5	121.5
GMXQ20A-20Z□5	141	123.5	121.5
GMXQ20A-30Z□5	151	133.5	131.5
GMXQ20A-40Z□5	161	143.5	141.5
GMXQ20A-50Z□5	177	159.5	157.5
GMXQ20A-75Z□5	211	193.5	191.5
GMXQ20A-100Z□5	284	266.5	241.5
GMXQ20A-125Z□5	309	291.5	266.5
GMXQ20A-150Z□5	334	316.5	291.5

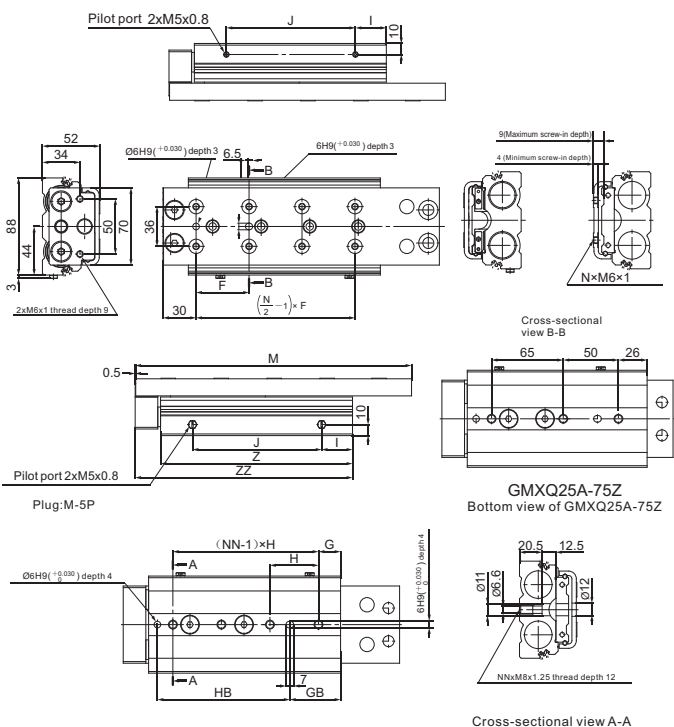
## GMXQ 20A- □3 Axial piping (Ø20)



\* Dimensions other than those listed above are the same as those for the standard type.

# Air Slide Table Double-ported Type GMXQ □A Series

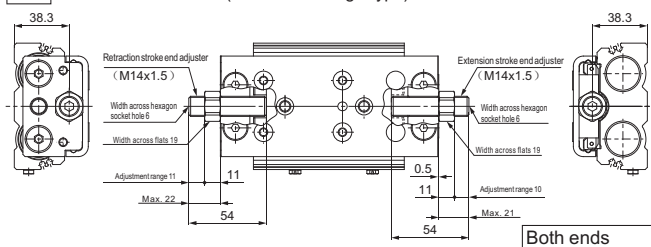
## GMXQ25A-□Z Standard type



## GMXQ25A-□□ With adjuster option (Ø25)

Metal stopper with bumper **ZA** : Both ends, **ZB** : Extension stroke end, **ZC** : Retraction stroke end,

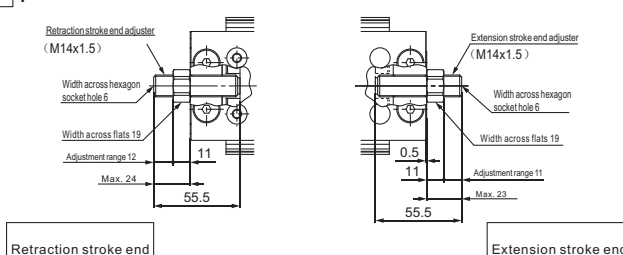
**ZS** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Rubber stopper **ZD** : Both ends, **ZE** : Extension stroke end, **ZF** : Retraction stroke end,

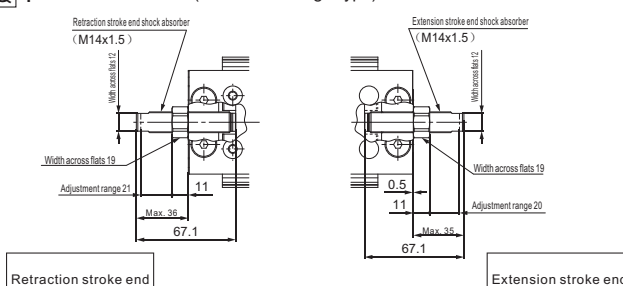
**ZP** : Retraction stroke end (Shorter total length type)



\* Dimensions other than those listed above are the same as those for the standard type.

Shock absorber/RJ **ZG** : Both ends, **ZH** : Extension stroke end, **ZJ** : Retraction stroke end,

**ZQ** : Retraction stroke end (Shorter total length type)

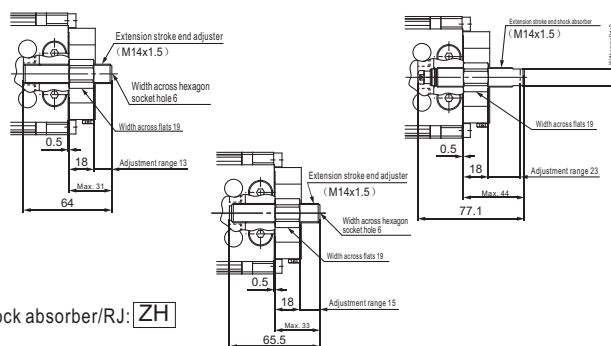


\* Dimensions other than those listed above are the same as those for the standard type.

## GMXQ25A □□2 With end lock, extension stroke end adjuster (Ø25)

Metal stopper with bumper **ZB**

Rubber stopper: **ZE**



Shock absorber/RJ: **ZH**

\* Dimensions other than those listed above are the same as those for the standard type.

\*1 If long bolts are used, they may touch the guide block and cause a malfunction, etc. Use a screw which has an intermediate length between the maximum screw-in depth and minimum screw-in depth.

\*2 Since the table is made of a magnetic substance, it could become magnetized if touched by a magnet, etc. This could cause an Magnetic switch malfunction.

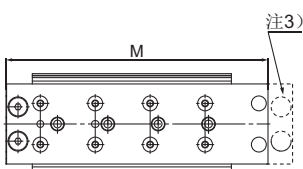
### Dimensions

Model	F	G	GB	H	HB	I
GMXQ25A-10Z	55	18	7	55	80	30
GMXQ25A-20Z	46	18	7	55	80	30
GMXQ25A-30Z	55	28	17	55	80	22
GMXQ25A-40Z	65	28	17	65	90	22
GMXQ25A-50Z	75	36	20	80	110	43
GMXQ25A-75Z	60	-	45	-	110	42
GMXQ25A-100Z	48	20	46	44	120	28
GMXQ25A-125Z	60	18	60	66	170	67
GMXQ25A-150Z	65	43	85	66	170	66

Model	J	M	N	NN	Z	ZZ
GMXQ25A-10Z	36	131.5	4	2	95	118
GMXQ25A-20Z	36	141.5	4	2	95	118
GMXQ25A-30Z	54	151.5	4	2	105	128
GMXQ25A-40Z	64	161.5	4	2	115	138
GMXQ25A-50Z	66	184.5	4	2	138	161
GMXQ25A-75Z	92	209.5	6	3	163	186
GMXQ25A-100Z	117	250.5	8	4	174	197
GMXQ25A-125Z	142	314.5	8	4	238	261
GMXQ25A-150Z	168	339.5	8	4	263	286

## GMXQ25A-□ZN Shorter total length type



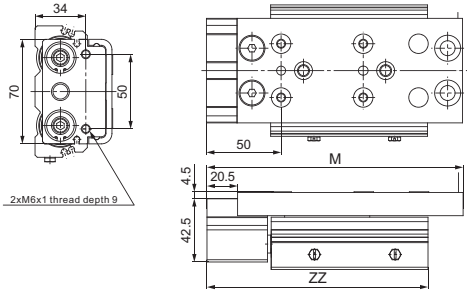
Model	M
GMXQ25A-10ZN	110
GMXQ25A-20ZN	120
GMXQ25A-30ZN	130
GMXQ25A-40ZN	140
GMXQ25A-50ZN	163
GMXQ25A-75ZN	188
GMXQ25A-100ZN	229
GMXQ25A-125ZN	293
GMXQ25A-150ZN	318

\* Dimensions other than those listed above are the same as those for the standard type.

\*3 As the total length has been reduced by removing the extension stroke end adjuster mounting holes, an extension stroke end adjuster cannot be mounted afterward. (Retraction stroke end adjusters can be mounted afterward.)

# Air Slide Table Double-ported Type GMXQ□A

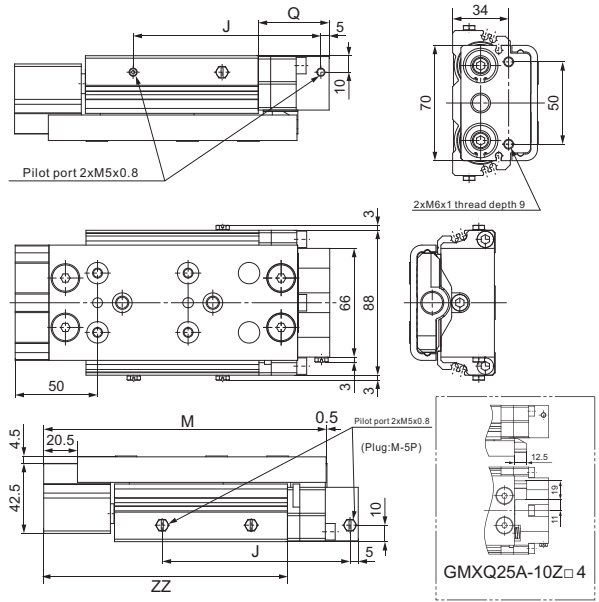
## GMXQ25A - □□1 With buffer (Ø25)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ25A-10Z□1	151.5	130	138
GMXQ25A-20Z□1	161.5	140	138
GMXQ25A-30Z□1	171.5	150	148
GMXQ25A-40Z□1	181.5	160	158
GMXQ25A-50Z□1	204.5	183	181
GMXQ25A-75Z□1	229.5	208	206
GMXQ25A-100Z□1	270.5	249	217
GMXQ25A-125Z□1	334.5	313	281
GMXQ25A-150Z□1	359.5	338	306

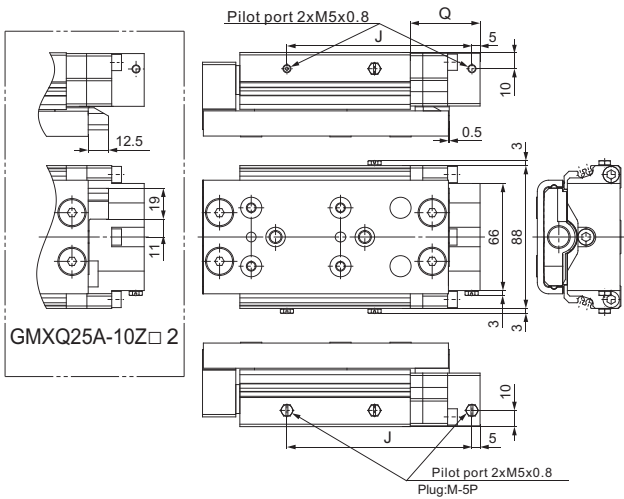
## GMXQ25A- □□4 With buffer, end lock (Ø25)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	J	Q	Standard type	Shorter total length type	ZZ
			M	M	
GMXQ25A-10Z□4	109	48	151.5	130	138
GMXQ25A-20Z□4	104	43	161.5	140	138
GMXQ25A-30Z□4	114	43	171.5	150	148
GMXQ25A-40Z□4	124	43	181.5	160	158
GMXQ25A-50Z□4	147	43	204.5	183	181
GMXQ25A-75Z□4	172	43	229.5	208	206
GMXQ25A-100Z□4	213	73	270.5	149	217
GMXQ25A-125Z□4	277	73	334.5	313	281
GMXQ25A-150Z□4	302	73	359.5	338	306

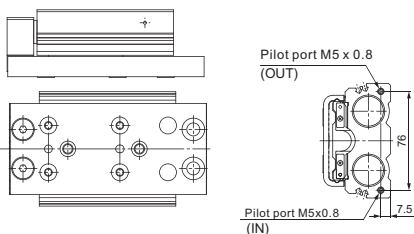
## GMXQ 25A - □□2 With end lock (Ø25)



\* Dimensions other than those listed above are the same as those for the standard type.

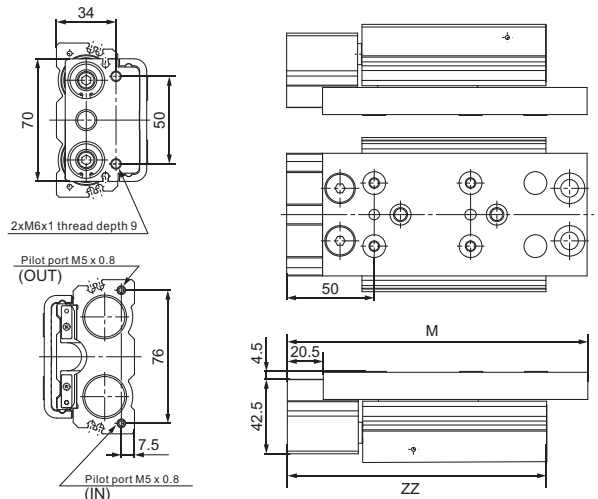
Model	J	Q
GMXQ25A-10Z□2	109	48
GMXQ25A-20Z□2	104	43
GMXQ25A-30Z□2	114	43
GMXQ25A-40Z□2	124	43
GMXQ25A-50Z□2	147	43
GMXQ25A-75Z□2	172	43
GMXQ25A-100Z□2	213	73
GMXQ25A-125Z□2	277	73
GMXQ25A-150Z□2	302	73

## GMXQ 25A- □□3 Axial piping (Ø25)



\* Dimensions other than those listed above are the same as those for the standard type.

## GMXQ 25A- □□5 With buffer, axial piping (Ø25)



\* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ25A-10Z□5	151.5	130	138
GMXQ25A-20Z□5	161.5	140	138
GMXQ25A-30Z□5	171.5	150	148
GMXQ25A-40Z□5	181.5	160	158
GMXQ25A-50Z□5	204.5	183	181
GMXQ25A-75Z□5	229.5	208	206
GMXQ25A-100Z□5	270.5	149	217
GMXQ25A-125Z□5	334.5	313	281
GMXQ25A-150Z□5	359.5	338	306



# Air Slide Table GMXS Series

**NEW**



Model	GMXS6	GMXS8	GMXS12	GMXS16	GMXS20	GMXS25
Bore size (mm)	Ø 6x2	Ø 8x2	Ø 12x2	Ø 16x2	Ø 20x2	Ø 25x2
Piping port size	M3 x 0.5	M5 x 0.8		Rc1/8		
Fluid	Air					
Action	Double acting					
Maximum operating pressure	0.7MPa					
Minimum operating pressure	0.15MPa					
Ambient and fluid temperatures	-10~+60°C (No freezing)					
Piston speed	50~500mm/s					
Action	Rubber buffer (Standard)					
Lubrication	Non-lube					

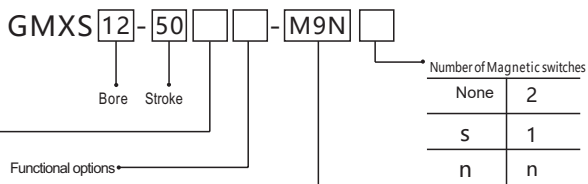
- \*Optional with adjustable stroke device (0-5mm)
- \*Double cylinder with 2 times output force, thin volume
- \*The combination of cylinder and worktable reduces the overall size
- \*Roller slider design, small friction, no gap between cylinder and worktable, suitable for precise assembly
- \*Can install from 3 sides
- \*Built-in ring, can install magnetic switch

\*Please use turbine No.1 oil ISOVG32 if need.

## Selection table

GMXS	Bore size (mm)	stroke (mm)								Functional options				Magnetic switch		
		10	20	30	40	50	75	100	125	150	Adjustable stroke device (0~5mm)	With buffer	With end lock	Axial piping	Install directly	
														2-wire	3-wire	
	Ø 6x2	●	●	●	●	●					●	●				
	Ø 8x2	●	●	●	●	●	●			●	●		●			D-M9N D-M9NL
	Ø 12x2	●	●	●	●	●	●	●		●	●		●			D-M9B D-M9BL D-M9BV D-M9BVL
	Ø 16x2	●	●	●	●	●	●	●	●	●	●		●	●		D-M9P D-M9PL D-M9PV D-M9PVL
	Ø 20x2	●	●	●	●	●	●	●	●	●	●		●	●		
	Ø 25x2	●	●	●	●	●	●	●	●	●	●		●	●		

## Model representation methods



Adjusting device

Nil	Without adjuster
AS	Adjuster on extension end
AT	Adjuster on retraction end
A	Adjuster on both ends
*BS	Absorber on extension end
*BT	Absorber on retraction end
*B	Absorber on both ends

\*GMXS6 without hydraulic buffer

Functional options\*

None	Without adjuster
F	With buffer
*R	With end lock
P	Axial piping type
*FR	With buffer and end lock
FP	With buffer, Axial piping type

\*GMXS6 without locking

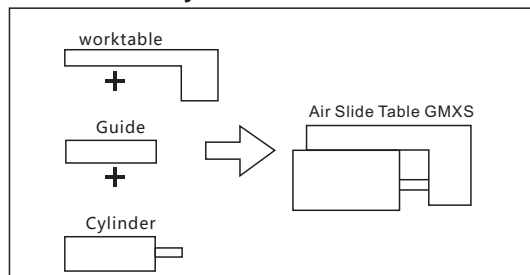
Magnetic switch

None	Without Magnetic switch
------	-------------------------

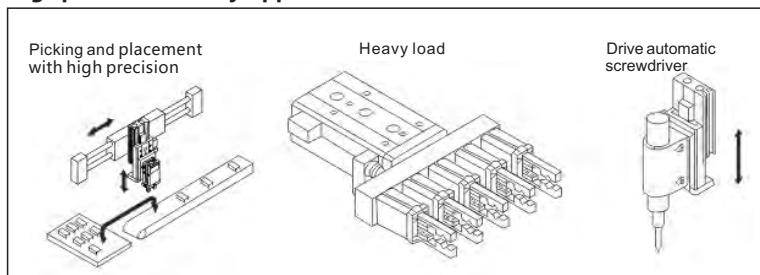
\* For the applicable Magnetic switch models, refer to the table above.

Note  
The specification and characteristics of magnetic switch can refer to the series of magnetic switch. At the end of the model of magnetic switch, the length mark of conductor is attached:  
Nomark-0.5m, L-3m, Z-5m  
Example: A96, A96L

## Combination of cylinder and worktable



## High precision, sturdy application



# Air Slide Table GMXS Series

Fig. (1) Load Mass: W (kg)

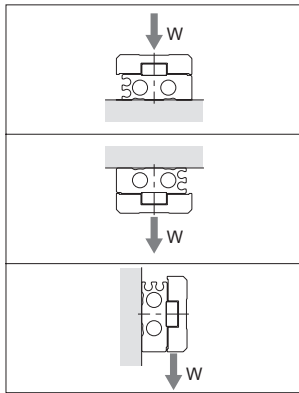


Fig. (3) Workpiece Mounting Coefficient: K

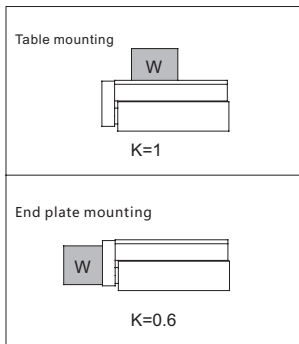


Table (2) Maximum Allowable Load Mass: Wmax (kg)

Model	Maximum allowable load mass
GMXS6	0.6
GMXS8	1
GMXS12	2
GMXS16	4
GMXS20	6
GMXS25	9

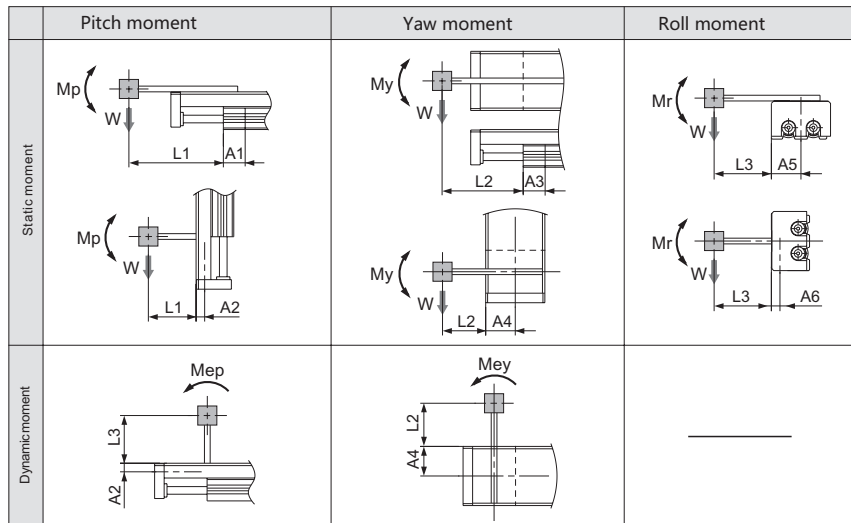
Table (4) Maximum Allowable Moment: Mmax (N·m)

Mode	(mm) Stroke (mm)									
	10	20	30	40	50	75	100	125	150	
GMXS6	0.7	1.0	1.2	1.2	1.2	-	-	-	-	
GMXS8	2.0	2.0	2.8	3.6	4.2	4.2	-	-	-	
GMXS12	4.2	4.2	4.2	5.8	7.0	10.0	10.0	-	-	
GMXS16	11.3	11.3	11.3	11.3	15.9	25.0	34.1	34.1	-	
GMXS20	19.4	19.4	19.4	19.4	27.2	35.0	50.5	50.5	50.5	
GMXS25	30.6	30.6	30.6	30.6	42.8	55.1	67.3	67.3	67.3	

## Symbol

Symbol	Definition	Unit
An(n=1-6)	Correction value of moment center position distance	mm
E	Kinetic energy	J
Ea	Allowable kinetic energy	J
Emax	Max. allowable kinetic energy	J
Ln(n=1-3)	Overhang	mm
M(Mp,My,Mr)	Static moment (Pitch, Yaw, Roll)	N·m
Ma(Map,May,Mar)	Allowable static moment (Pitch, Yaw, Roll)	N·m
Me(Mep,Mey)	Dynamic moment (Pitch, Yaw)	N·m
Mea(Meap,Meay)	Allowable dynamic moment (Pitch, Yaw)	N·m
Mmax(Mpmax,Mymax,Mrmax)	Max. allowable moment (Pitch, Yaw, Roll)	N·m
V	Collision speed	mm/s

Fig. (2) Overhang: Ln (mm), Correction Value of Moment Center Position Distance: An (mm)



Note) Static moment: Moment generated by gravity  
Dynamic moment: Moment generated by impact when colliding with stopper

Table (1) Maximum Allowable Kinetic Energy: Emax (J)

Model	Allowable kinetic energy	
	Rubber bumper	Shock absorber
GMXS6	0.018	-
GMXS8	0.027	0.045
GMXS12	0.055	0.11
GMXS16	0.11	0.22
GMXS20	0.16	0.32
GMXS25	0.24	0.48

Table (3) Correction Value of Moment Center Position Distance : An (mm)

Model	Correction value of moment center position distance (Refer to Figure 2.)					
	A1	A2	A3	A4	A5	A6
GMXS6	11	6	13	16	16	6
GMXS8	11	7.5	13	20	20	7.5
GMXS12	24	8.5	26	25	25	8.5
GMXS16	27	10	30	31	31	10
GMXS20	34	14.5	36	38	38	14.5
GMXS25	42	19	44	46	46	19

Table (4) Allowable Load Mass Coefficient: β

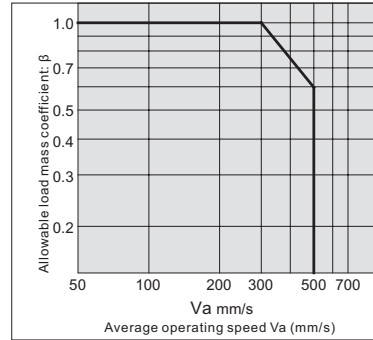
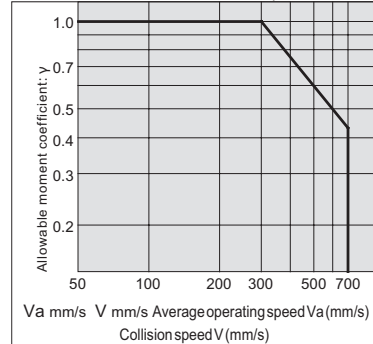


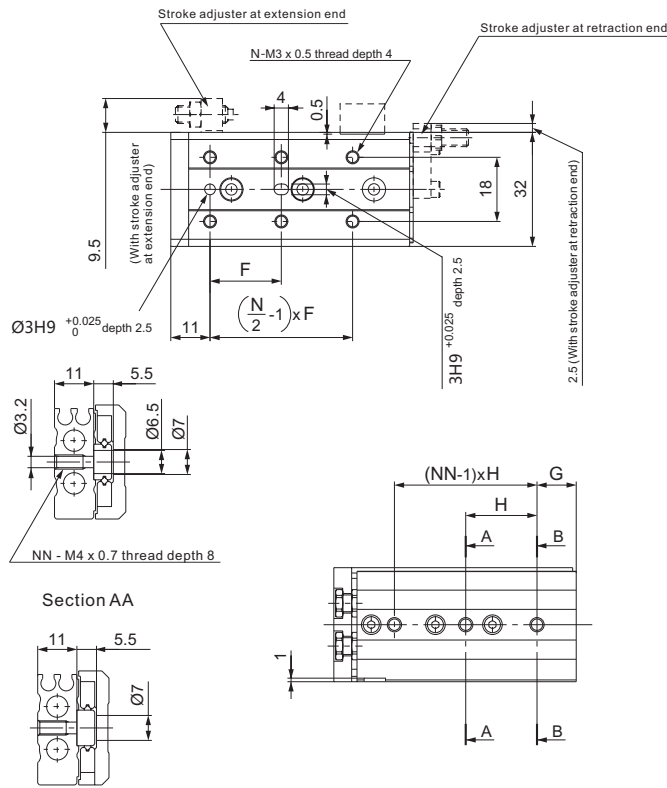
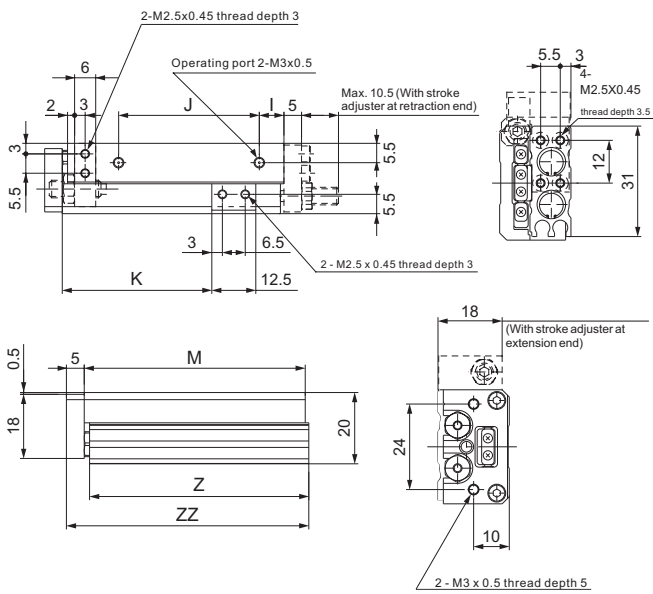
Table (5) Allowable Moment Coefficient: γ



Note) Use the average operating speed when calculating static moment.  
Use the collision speed when calculating dynamic moment.

Symbol	Definition	Unit
Va	Average operating speed	mm/s
W	Load mass	kg
Wa	Allowable load mass	kg
We	Mass equivalent to impact	kg
Wmax	Max. allowable load mass	kg
α	Load factor	-
β	Allowable load mass coefficient	-
γ	Allowable moment coefficient	-
δ	Damper coefficient	-
K	Workpiece mounting coefficient	-

GMXS 6 Basic type



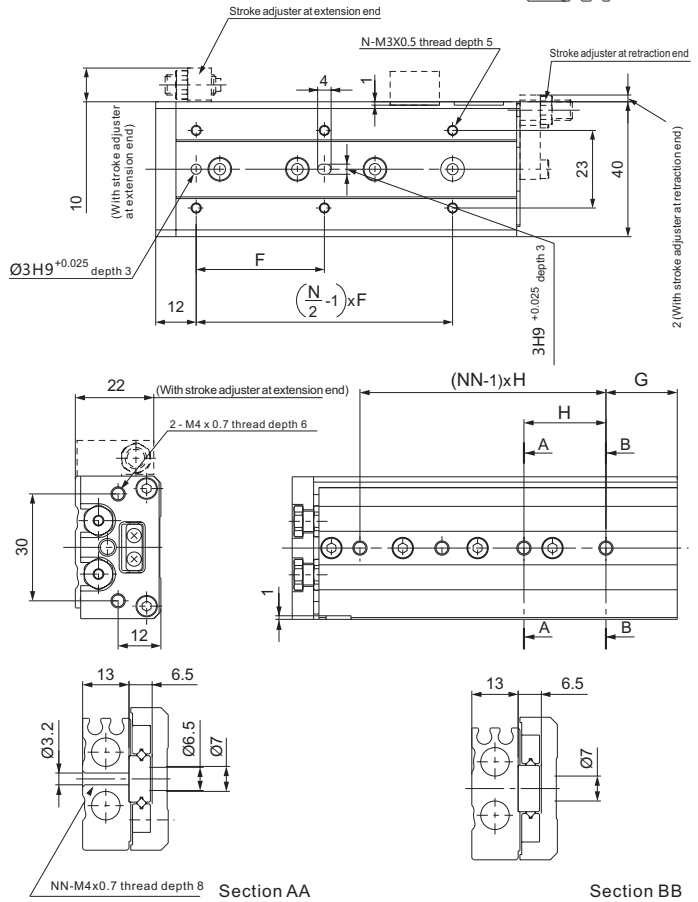
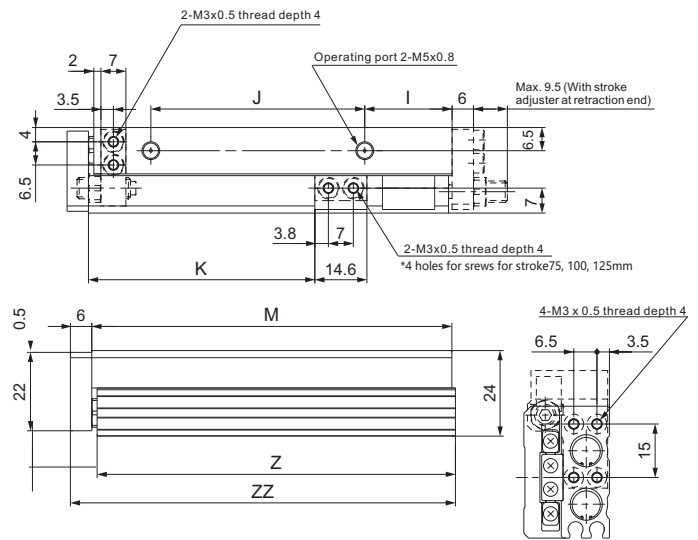
Section BB

Dimensions (mm)

Model	F	N	G	H	NN
GMXS6-10	20	4	6	25	2
GMXS6-20	30	4	6	35	2
GMXS6-30	20	6	11	20	3
GMXS6-40	28	6	13	30	3
GMXS6-50	38	6	17	24	4

Model	I	J	K	M	Z	ZZ
GMXS6-10	10	17	22.5	42	41.5	48
GMXS6-20	10	27	32.5	52	51.5	58
GMXS6-30	7	40	42.5	62	61.5	68
GMXS6-40	19	50	52.5	84	83.5	90
GMXS6-50	25	60	62.5	100	99.5	106

GMXS 8 Basic type



Dimensions (mm)

Model	F	N	G	H	NN
GMXS8-10	25	4	9	28	2
GMXS8-20	25	4	12	30	2
GMXS8-30	40	4	13	20	3
GMXS8-40	50	4	15	28	3
GMXS8-50	38	6	20	23	4
GMXS8-75	50	6	27	28	5

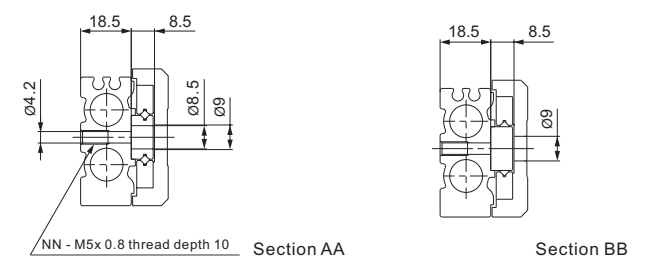
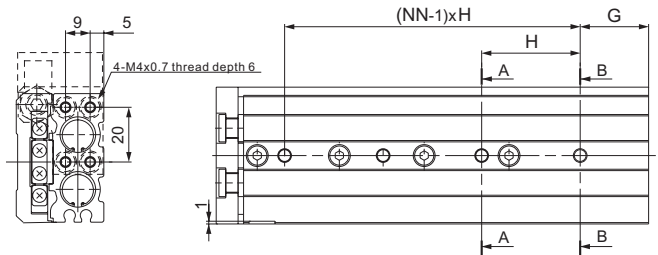
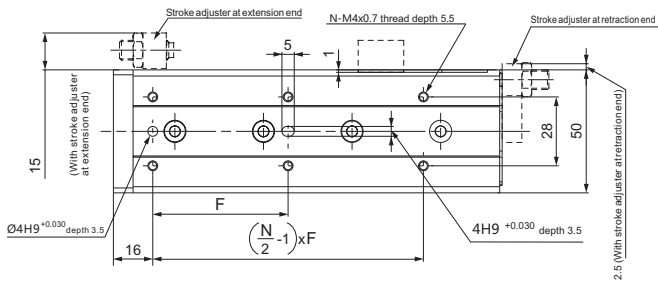
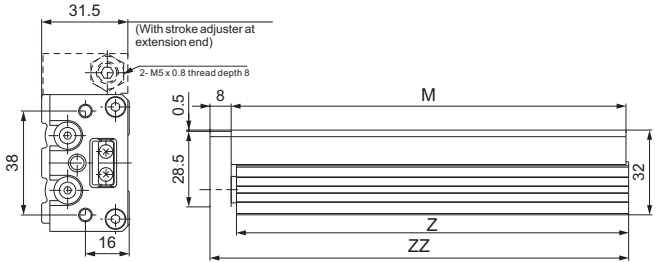
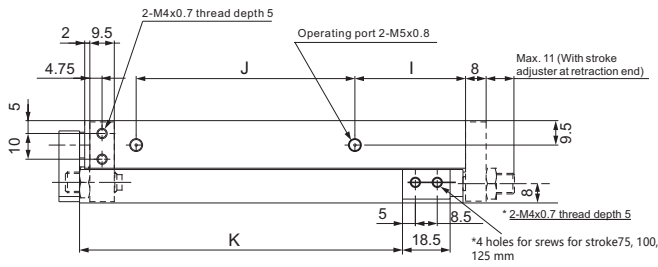
  

Model	I	J	K	M	Z	ZZ
GMXS8-10	13	19.5	23.5	49	48.5	56
GMXS8-20	8.5	29	33.5	54	53.5	61
GMXS8-30	9.5	39	43.5	65	64.5	72
GMXS8-40	10.5	56	53.5	83	82.5	90
GMXS8-50	24.5	60	63.5	101	100.5	108
GMXS8-75	38.5	96	88.5	151	150.5	158



# Air Slide Table GMXS Series

## GMXS12 Basic type

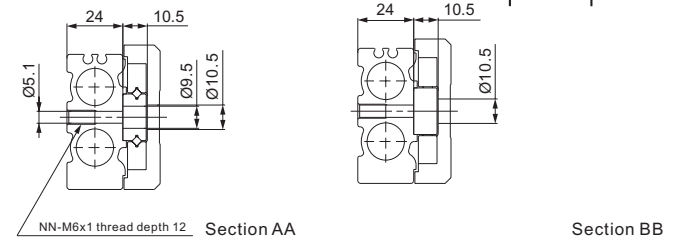
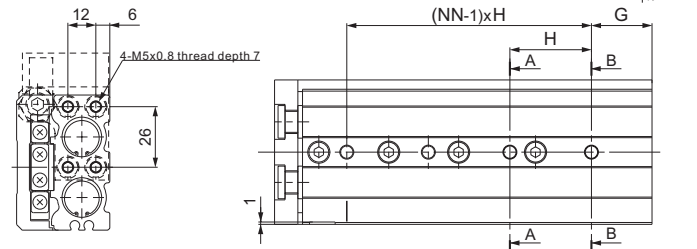
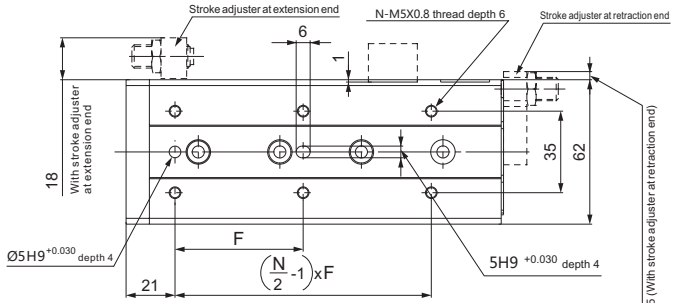
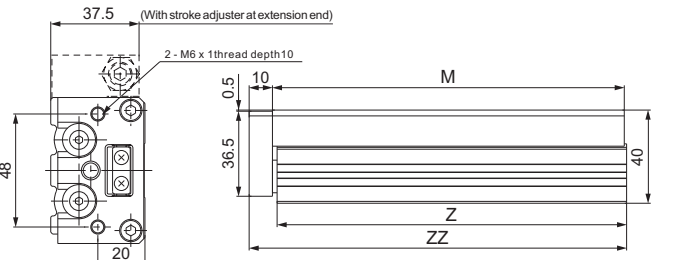
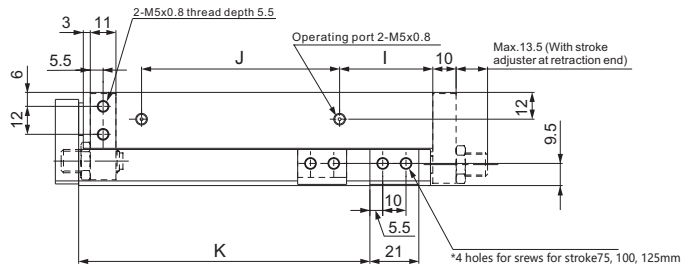


Dimensions (mm)

Model	F	N	G	H	NN
GMXS12-10	35	4	15	40	2
GMXS12-20	35	4	15	40	2
GMXS12-30	35	4	15	40	2
GMXS12-40	50	4	17	25	3
GMXS12-50	35	6	15	36	3
GMXS12-75	55	6	25	36	4
GMXS12-100	65	6	35	38	5

Model	I	J	K	M	Z	ZZ
GMXS12-10	10	40	26.5	71	70	80
GMXS12-20	10	40	36.5	71	70	80
GMXS12-30	10	40	46.5	71	70	80
GMXS12-40	10	52	56.5	83	82	92
GMXS12-50	22	60	66.5	103	102	112
GMXS12-75	43	85	91.5	149	148	158
GMXS12-100	52	130	116.5	203	202	212

## GMXS16 Basic type



Dimensions (mm)

Model	F	N	G	H	NN
GMXS16-10	35	4	16	40	2
GMXS16-20	35	4	16	40	2
GMXS16-30	35	4	16	40	2
GMXS16-40	40	4	16	50	2
GMXS16-50	30	6	21	30	3
GMXS16-75	55	6	26	35	4
GMXS16-100	65	6	39	35	5
GMXS16-125	70	8	19	35	7

Model	I	J	K	M	Z	ZZ
GMXS16-10	10	40	29	76	75	87
GMXS16-20	10	40	39	76	75	87
GMXS16-30	10	40	49	76	75	87
GMXS16-40	10	50	59	86	85	97
GMXS16-50	15	60	69	101	100	112
GMXS16-75	40	85	94	151	150	162
GMXS16-100	55	118	119	199	198	210
GMXS16-125	68	155	144	249	248	260

Profile · SUS Tube

Stents Module

Quick Changer

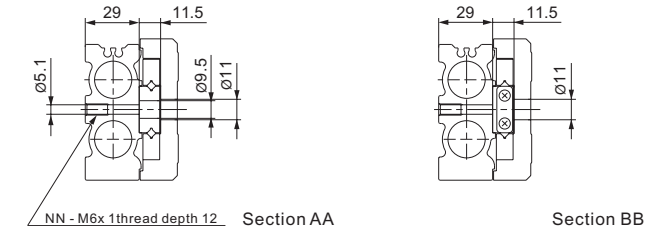
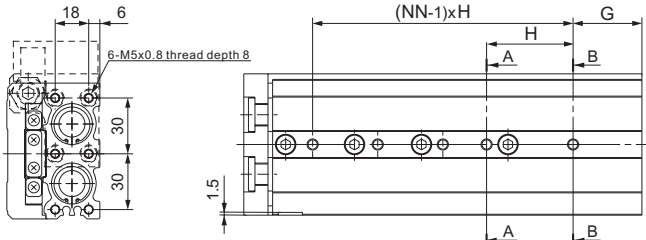
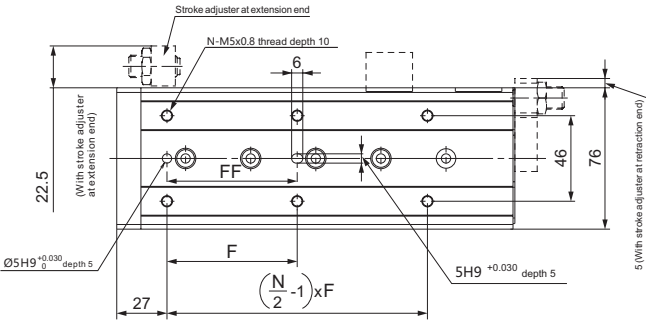
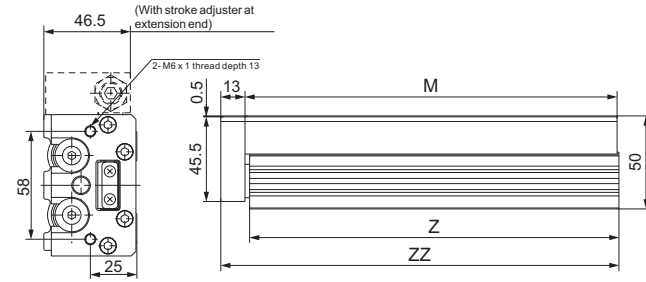
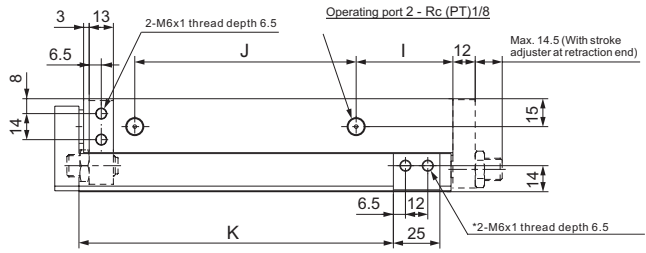
Grip Module

Air Ripper

Vacuum Module

Accessory Components

### GMXS20 Basic type

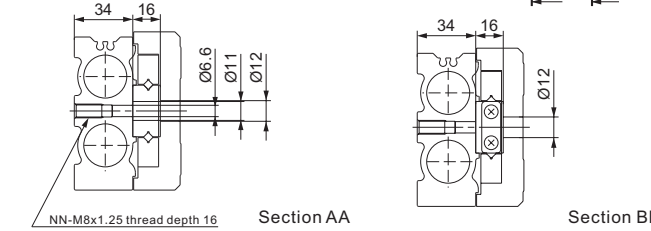
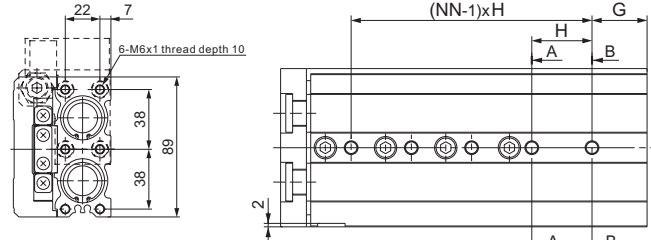
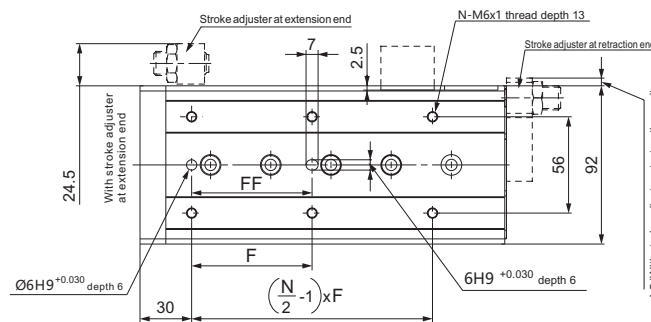
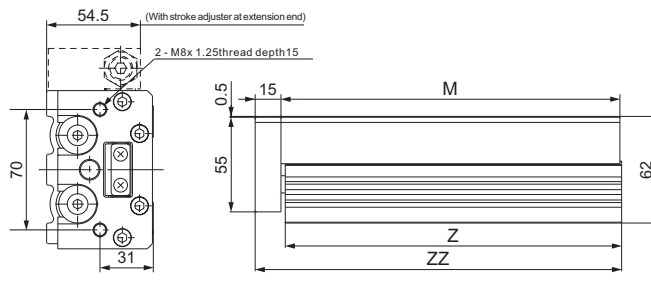
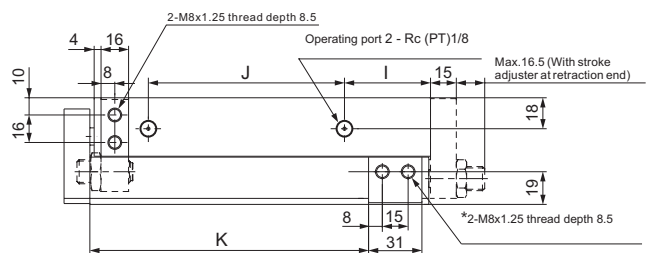


Dimensions (mm)

Model	F	FF	N	G	H	NN
GMXS20-10	50	40	4	15	45	2
GMXS20-20	50	40	4	15	45	2
GMXS20-30	50	40	4	15	45	2
GMXS20-40	60	50	4	15	55	2
GMXS20-50	35	35	6	15	35	3
GMXS20-75	60	60	6	19	35	4
GMXS20-100	70	70	6	37	35	5
GMXS20-125	70	70	8	41	38	6
GMXS20-150	80	80	8	19	44	7

Model	I	J	K	M	Z	ZZ
GMXS20-10	10	44	31	83	81.5	97
GMXS20-20	10	44	41	83	81.5	97
GMXS20-30	10	44	51	83	81.5	97
GMXS20-40	10	54	61	93	91.5	107
GMXS20-50	10	69	71	108	106.5	122
GMXS20-75	10	108	96	147	145.5	161
GMXS20-100	58	113	121	200	198.5	214
GMXS20-125	70	155	146	254	252.5	268
GMXS20-150	87	190	171	306	304.5	320

### GMXS25 Basic type



Dimensions (mm)

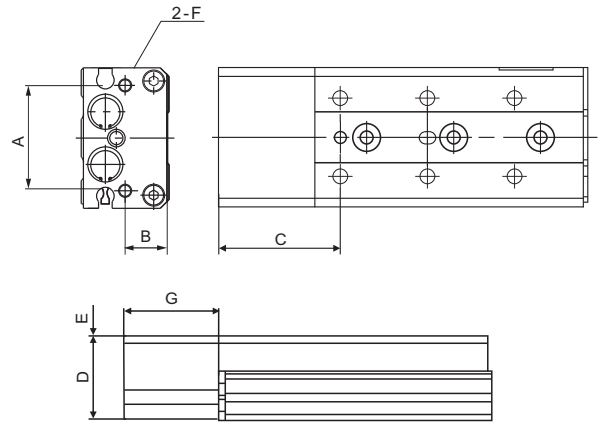
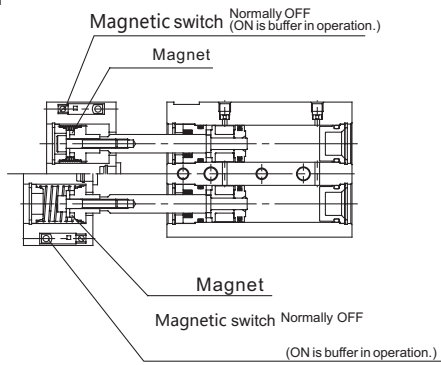
Model	F	FF	N	G	H	NN
GMXS25-10	50	40	4	22	45	2
GMXS25-20	50	40	4	22	45	2
GMXS25-30	50	40	4	22	45	2
GMXS25-40	60	50	4	22	55	2
GMXS25-50	35	35	6	20	35	3
GMXS25-75	60	60	6	26	35	4
GMXS25-100	70	70	6	32	35	5
GMXS25-125	75	75	8	40	38	6
GMXS25-150	80	80	8	30	40	7

Model	I	J	K	M	Z	ZZ
GMXS25-10	12	47	35	92	90.5	108
GMXS25-20	12	47	45	92	90.5	108
GMXS25-30	12	47	55	92	90.5	108
GMXS25-40	12	57	65	102	100.5	118
GMXS25-50	12	70	75	115	113.5	131
GMXS25-75	33	90	100	156	154.5	172
GMXS25-100	50	114	125	197	195.5	213
GMXS25-125	67	155	150	255	253.5	271
GMXS25-150	82	180	175	295	293.5	311

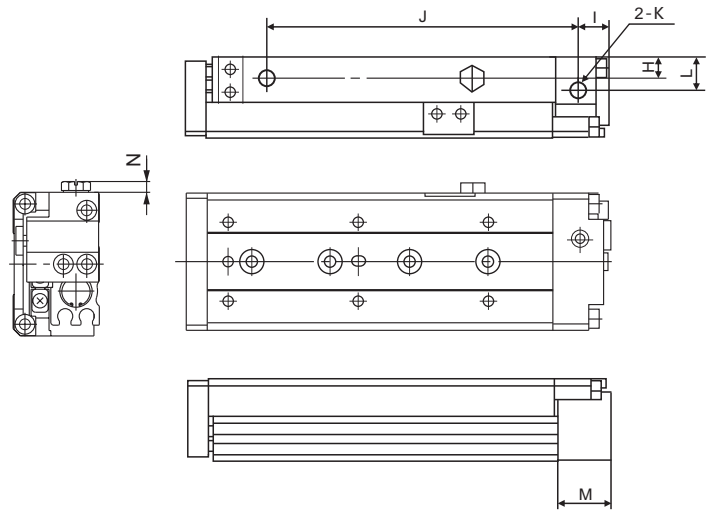
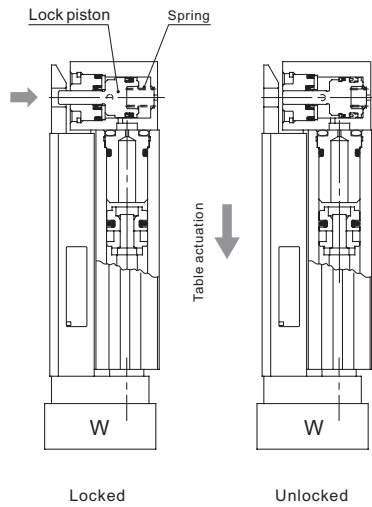
# Air Slide Table GMXS Series

## Functional option

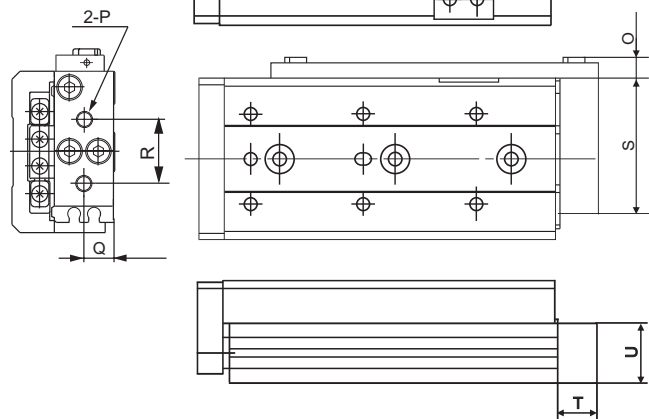
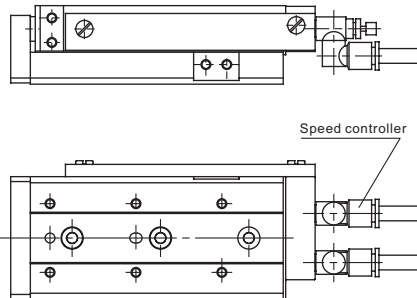
### F-With buffer



### R-With end lock



### P-Axial piping type



## Dimensions

(mm)

(Model)	A	B	C	D	E	F	G	H	I	J						K	L	M	N	O	P	Q	R	S	T	U				
										10	20	30	40	50	75												100	125	150	
GMXS6	24	10	28	19	0.5	M3x0.5	22	-	-	-	-	-	-	-	-	-	-	-	5.6	M3x0.5	5.5	12	32	8	11.5					
GMXS8	30	12	28.5	22.5	0.5	M4x0.7	22.5	6.5	9	39	44	55	73	91	141	-	-	-	-	M3x0.5	10	15.5	3	6.5	M5x0.8	6.5	15	40	12	13.5
GMXS12	38	16	37	30	0.5	M5x0.8	29	9.5	10.5	59.5	59.5	59.5	71.5	91.5	137.5	191.5	-	-	-	M5x0.8	14.5	20	3	6.5	M5x0.8	9.5	20	50	12	18.7
GMXS16	48	20	41	37.5	0.5	M6x1	30	12	13	62	62	62	72	87	137	185	235	-	-	M5x0.8	18	25	3	6.5	M5x0.8	12	26	62	12	23.5
GMXS20	58	25	44.5	45.5	0.5	M6x1	30.5	15	15.5	68.5	68.5	68.5	78.5	93.5	132.5	185.5	239.5	239.5	-	Rc1/8	20	30	-	11.5	Rc1/8	15	32	76	20	29.5
GMXS25	70	31	50	55	0.5	M8x1.25	35	18	18	76	76	76	86	99	140	181	239	239	-	Rc1/8	25.5	35	-	11.5	Rc1/8	18	40	92	20	35.5

# GMXH Miniature Air Slide Table Linear Guide GMXH Series

**NEW**

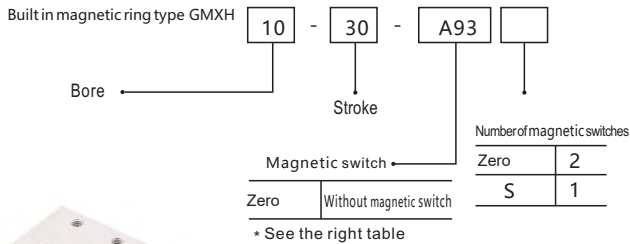


缸径Bore size (mm)	6	10	16	20
Guide bearing width	5	7	9	12
Fluid	Air			
Action	Double acting			
Minimum operating pressure	0.15MPa	0.06MPa		0.05MPa
Maximum operating pressure	0.7MPa			
Ambient and fluid temperatures	Without magnetic switch: -10 to 70°C With magnetic switch: -10 to 60°C (No freezing)			
Piston speed	50~500mm/s			
Allowable kinetic energy (J)	0.0125	0.025	0.05	0.1
Lubrication	Non-lube			
Cushion	Rubber bumper on both ends			
Stroke length tolerance (mm)	+1.0			
Magnetic switch(Optional)	Reed Magnetic switch D-A9		Solid state Magnetic switch D-M9	
Piping port size	M5 x 0.8			

\*Please use turbine No.1 oil ISOVG32 if need.

- \*Install linear guide bearing to improve the accuracy of non-rotative of piston rod
- \*Standard built-in magnetic ring, can install magnetic switch of stroke testing
- \*Can connect to air from three sides
- \*Can install magnetic switch from two sides
- \*Standard rubber buffer at both ends
- \*Allowable torque is 6 times of GMXU series

## Model representation methods

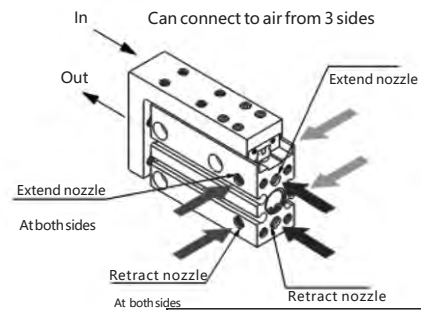


Miniature linear guide bearing improve the accuracy of linear motion of cylinder

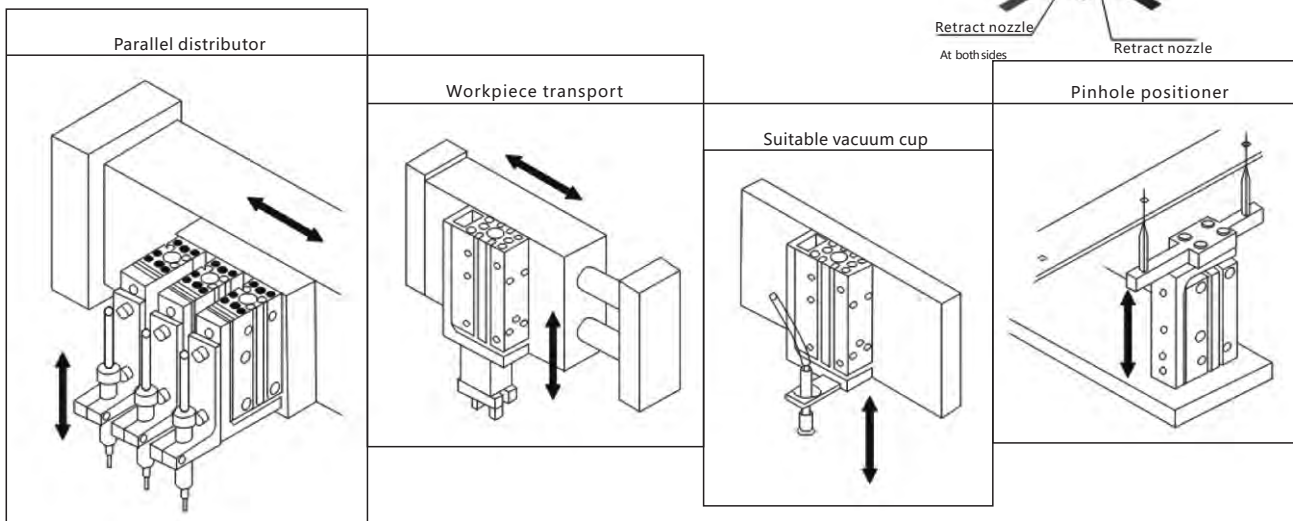
## Stroke/magnetic switch selection

(mm)	Standard stroke (mm)	Direct mount type of magnetic switch		
		22-wire		3-wire
6	5, 10, 15, 20, 25, 30, 40, 50, 60	D-M9B	D-M9N	D-M9P
10		D-M9BL	D-M9NL	D-M9PL
16		D-M9BV	D-M9NV	D-M9PV
20		D-M9BVL	D-M9NVL	D-M9PVL

Note) The specification and characteristics of magnetic switch can refer to the series of magnetic switch. At the end of the model of magnetic switch, the length mark of conductor is attached: N0mark-0.5m, L-3m, Z-5m  
Example: A93L



## Application



Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

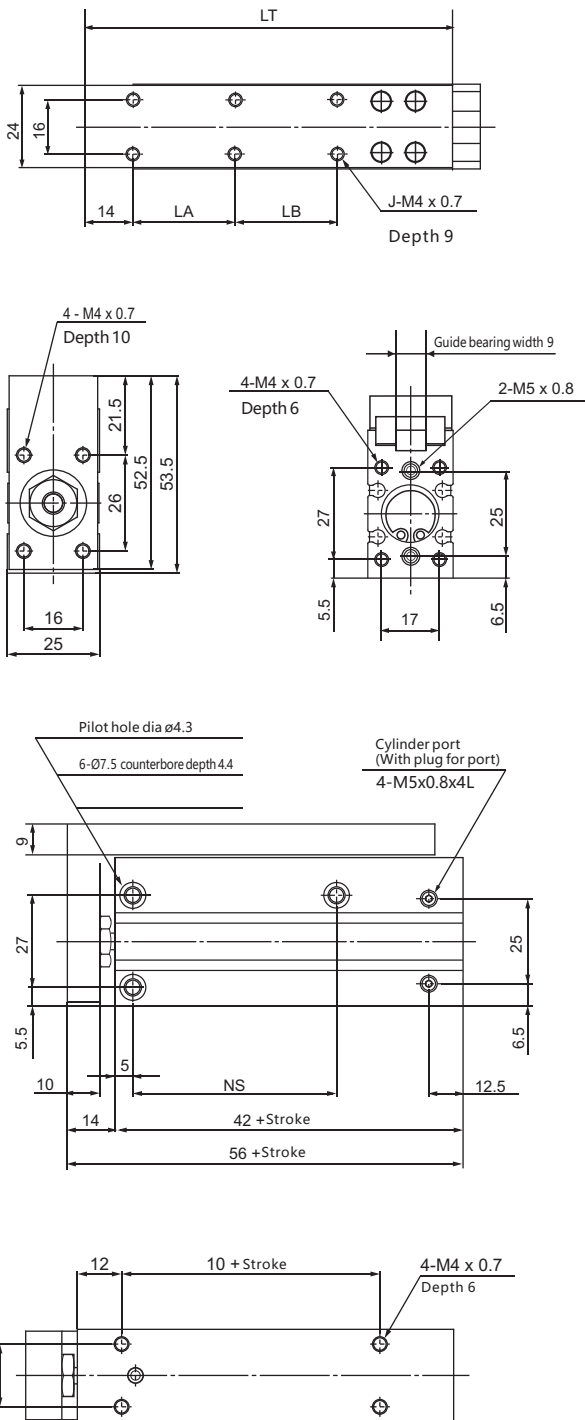
Vacuum Module

Accessory Components

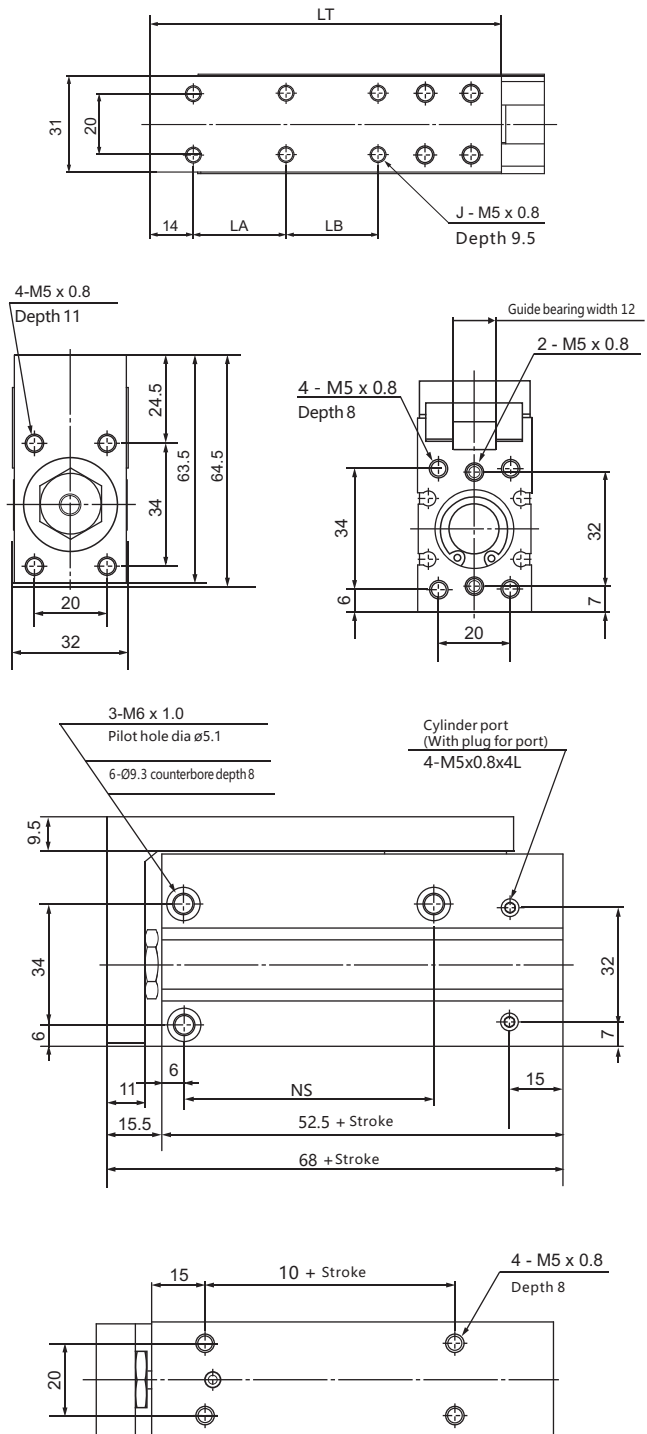


# Miniature Air Slide Table Linear Guide GMXH Series

## GMXH16



## GMXH20



Dimensions (mm)

Model	Stroke	J	LA	LB	LT	NS
GMXH16-5Z	5	4	10	-	58	20
GMXH16-10Z	10	4	10	-	58	20
GMXH16-15Z	15	4	20	-	68	30
GMXH16-20Z	20	4	20	-	68	30
GMXH16-25Z	25	4	30	-	78	40
GMXH16-30Z	30	4	30	-	78	40
GMXH16-40Z	40	6	20	20	88	50
GMXH16-50Z	50	6	25	25	98	60
GMXH16-60Z	60	6	30	30	108	60

Dimensions (mm)

Model	Stroke	J	LA	LB	LT	NS
GMXH20-5Z	5	4	10	-	64	20
GMXH20-10Z	10	4	10	-	64	20
GMXH20-15Z	15	4	20	-	74	25
GMXH20-20Z	20	4	20	-	74	25
GMXH20-25Z	25	4	30	-	84	40
GMXH20-30Z	30	4	30	-	84	40
GMXH20-40Z	40	6	20	20	94	50
GMXH20-50Z	50	6	25	25	104	70
GMXH20-60Z	60	6	30	30	114	70

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



# Sprue Gripper

Main body being made of high-strength Aluminium , light weight , strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.

## Series GR-Sprue Gripper (Without Sensor)



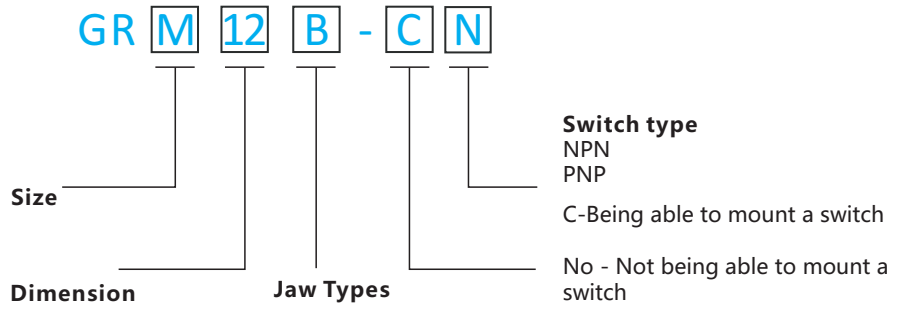
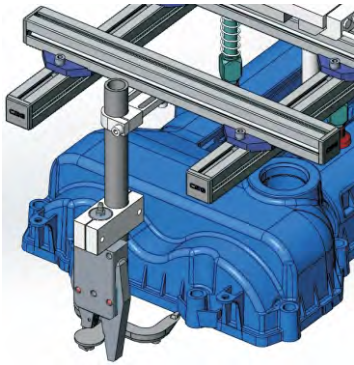
## Series GR -Sprue Gripper (With Sensor)



PN	Model	Switch type	F	Weight
8.Y00214	GRS08	-	5N	18g
8.Y00099	GRS08-C	-	5N	24g
8.Y00011	GRS08-CN	NPN	5N	40g
8.Y00012	GRS08-CP	PNP	5N	40g
8.Y00103	GRM12A	-	28N	46g
8.Y00092	GRM12A-C	-	28N	45g
8.Y00009	GRM12A-CN	NPN	28N	60g
8.Y00010	GRM12A-CP	PNP	28N	60g
8.Y00107	GRM12B	-	28N	46g
8.Y00106	GRM12B-C	-	28N	45g
8.Y00104	GRM12B-CN	NPN	28N	60g
8.Y00105	GRM12B-CP	PNP	28N	60g
8.Y00108	GRL12A	-	45N	94g
8.Y00100	GRL12A-C	-	45N	84g
8.Y00001	GRL12A-CN	NPN	45N	100g
8.Y00002	GRL12A-CP	PNP	45N	100g
8.Y00213	GRX20	-	80N	180g
8.Y00215	GRX20-C	-	80N	177g
8.Y00013	GRX20-CN	NPN	80N	192g
8.Y00014	GRX20-CP	PNP	80N	192g

# Sprue Gripper

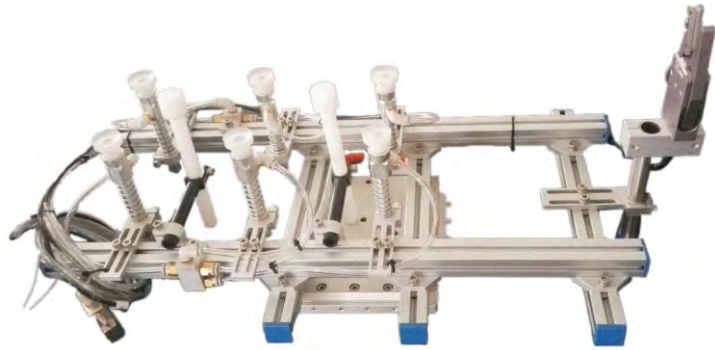
## Application example



## Installation method



Application example 1



Application example 2

## Accessories selection



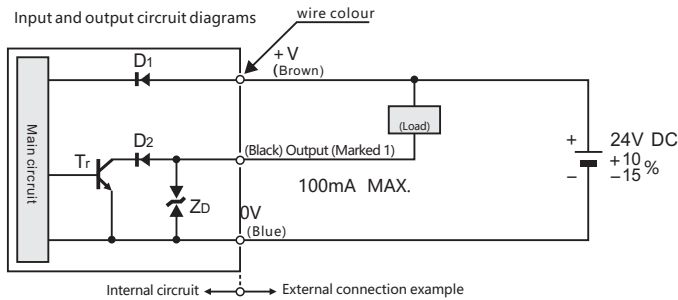
- 1.PNP
- 2.NPN

PN	Model
7.Y00800	PNP
7.Y00801	NPN

Note: The length is 1 meters

## Switch wiring instructions

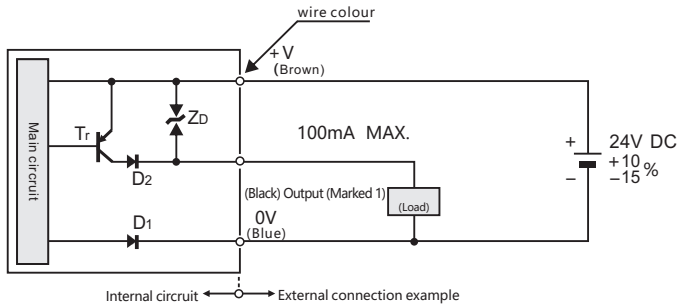
### NPN output type



(Marked 1) Output is not equipped with short-circuit protection circuit. Do not connect directly to power or capacitive loads

### PNP output type

Input and output circuit diagrams



(Marked 1) Output is not equipped with short-circuit protection circuit. Do not connect directly to power or capacitive loads



# Sprue Gripper GRS08 Series

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



GRS08  
(Without Sensor)



GRS08-CN(CP)  
(With Sensor)

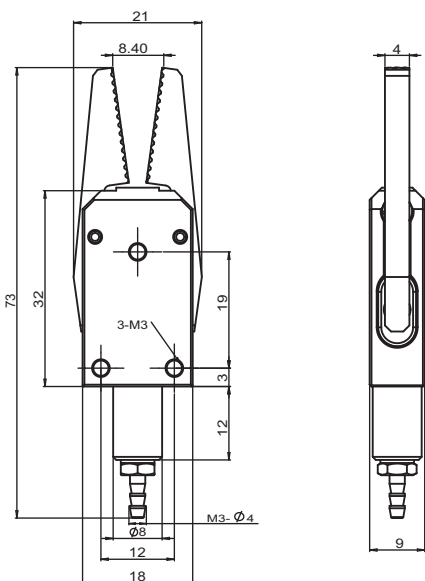
## Product Description

GRS08

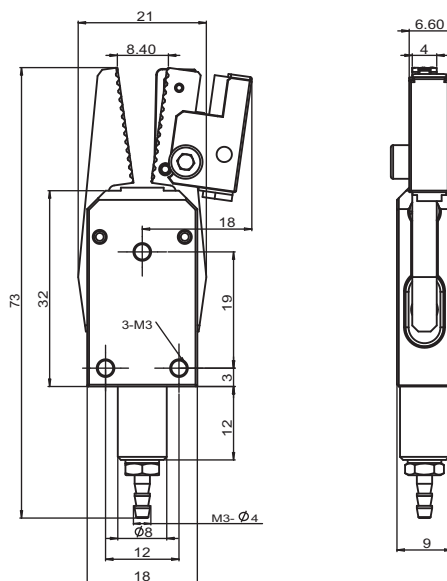
### Series GRS08

Main body being made of high-strength Aluminium, light weight, strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.

PN	Model	(Sensor)	F	Weight
8.Y00214	GRS08	-	5N	18g
8.Y00099	GRS08-C	-	5N	24g
8.Y00011	GRS08-CN	NPN	5N	40g
8.Y00012	GRS08-CP	PNP	5N	40g



(Without Sensor)



(With Sensor)

# Sprue Gripper GRM12 Series



GRM12A  
(Without Sensor)



GRM12A-CN(CP)  
(With Sensor)

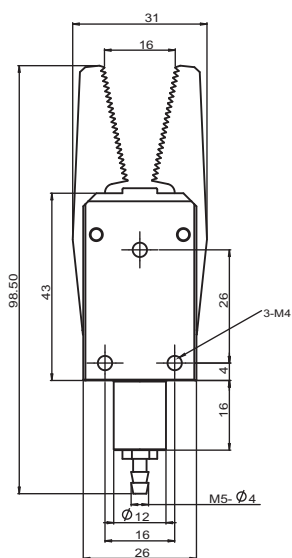
## Product Description

GRM12

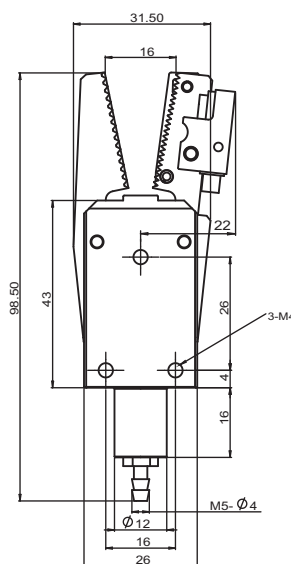
### Series GRM12

Main body being made of high-strength Aluminium, light weight, strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.

PN	Model	Sensor	F	Weight
8.Y00103	GRM12A	-	28N	46g
8.Y00107	GRM12B	-	28N	46g
8.Y00092	GRM12A-C	-	28N	45g
8.Y00009	GRM12A-CN	NPN	28N	60g
8.Y00010	GRM12A-CP	PNP	28N	60g
8.Y00106	GRM12B-C	-	28N	45g
8.Y00104	GRM12B-CN	NPN	28N	60g
8.Y00105	GRM12B-CP	PNP	28N	60g



(Without Sensor)



(With Sensor)

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GRL12 Series

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



GRL12A  
(Without Sensor)



GRL12A-CN(CP)  
(With Sensor)

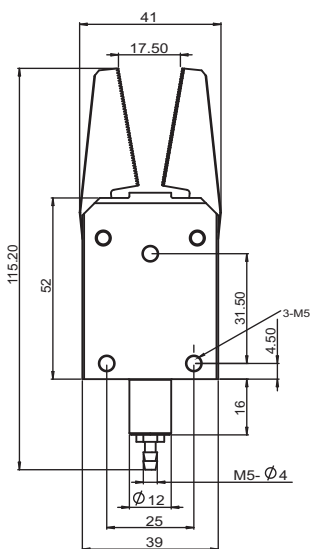
## Product Description

GRL12

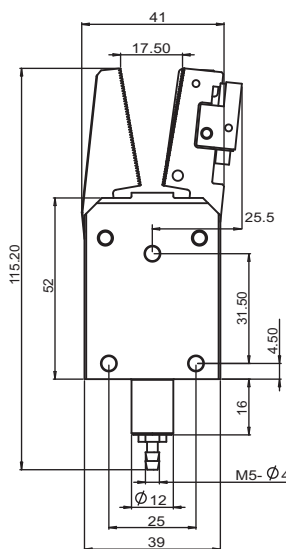
### Series GRL12

Main body being made of high-strength Aluminium , light weight , strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.

PN	Model	Sensor	F	Weight
8.Y00108	GRL12A	-	45N	94g
8.Y00100	GRL12A-C	-	45N	84g
8.Y00001	GRL12A-CN	NPN	45N	100g
8.Y00002	GRL12A-CP	PNP	45N	100g



(Without Sensor)



(With Sensor)



# Sprue Gripper GRX20 Series



GRX20  
(Without Sensor)



GRX20-CN(CP)  
(With Sensor)

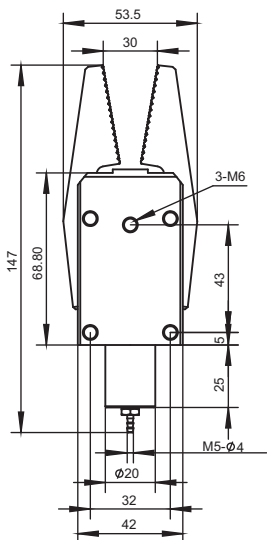
## Product Description

GRX20

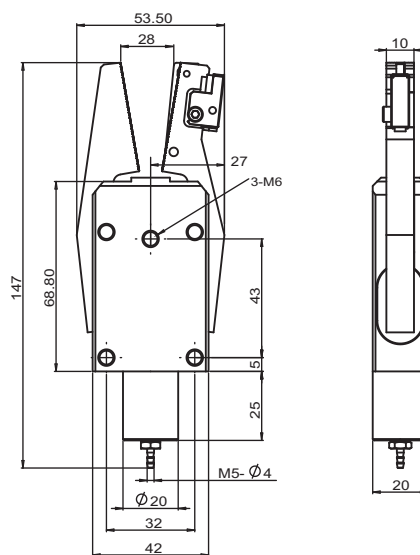
### Series GRX20

Main body being made of high-strength Aluminium, light weight, strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.

PN	Model	Sensor	F	Weight
8.Y00213	GRX20	-	80N	180g
8.Y00215	GRX20-C	-	80N	177g
8.Y00013	GRX20-CN	NPN	80N	192g
8.Y00014	GRX20-CP	PNP	80N	192g



Without Sensor



With Sensor

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GR12 Series

Profile - SUS Tube

Stents Module

Quick Changer

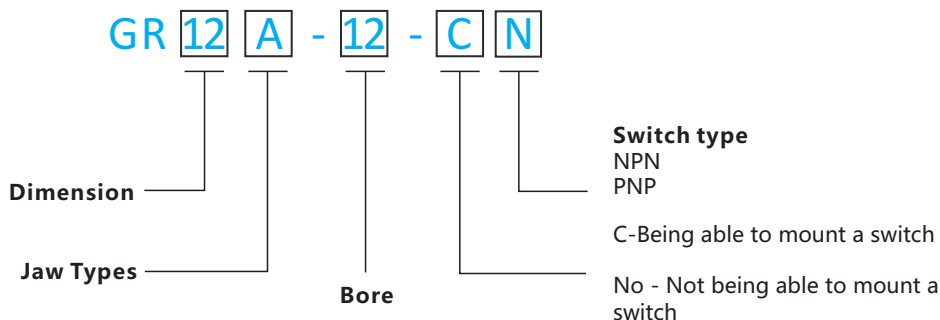
Grip Module

Air Nipper

Vacuum Module

Accessory Components

## Model representation methods



Main body being made of high-strength Aluminium, light weight, strong rigidity and long life cycle. Using threaded components or CRG's components when to assemble.



GR10A-12  
GR12A-12  
(Without Sensor)



GR12B-12  
(Without Sensor)



GR12L-12  
(Without Sensor)



GR10A-12-CP  
GR12A-12-CN(CP)  
(With Sensor)



GR12B-12-CN(CP)  
(With Sensor)

## Accessories selection



- 1.PNP
- 2.NPN

PN	Model
1.Y07261	GX-F8A-P (PNP)
1.Y07405	GX-F8A (NPN)

Note: The length is 1 meters

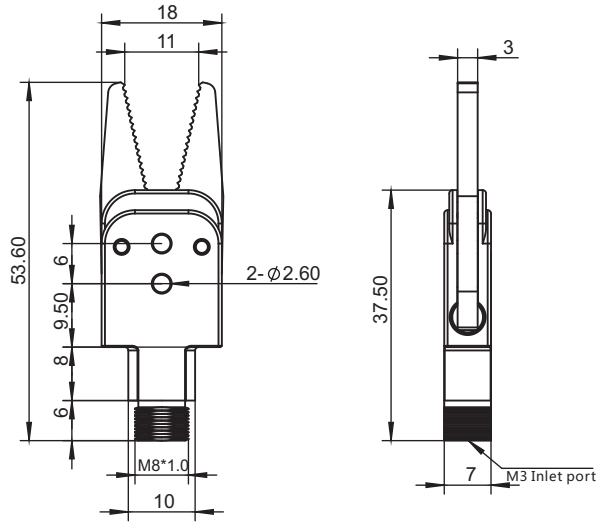
PN	Model	Sensor	F	Weight
8.Y00348	GR05A-10	-	12N	9.6g
8.Y00268	GR10A-12	-	28N	44g
8.Y00267	GR10A-12-CP	PNP	28N	70g
8.Y00370	GR10D-12	-	28N	42g
8.Y00369	GR10D-12-CP	PNP	28N	61g
8.Y00048	GR12A-12	-	28N	44g
8.Y00098	GR12A-12-C	-	28N	44g
8.Y00050	GR12A-12-CP	PNP	28N	70g
8.Y00091	GR12A-12-CN	NPN	28N	70g
8.Y00245	GR12B-12	-	28N	44g
8.Y00260	GR12B-12-C	-	28N	44g
8.Y00261	GR12B-12-CP	PNP	28N	70g
8.Y00262	GR12B-12-CN	NPN	28N	70g
8.Y00307	GR10L-12	-	28N	50g
8.Y00308	GR12L-12	-	28N	50g

# Sprue Gripper GR05 Series

**NEW**



GR05A-10  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00348	GR05A-10	-	12N	9.6g

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GR10 Series

Profile · SUS Tube

Stentis Module

Quick Changer

Grip Module

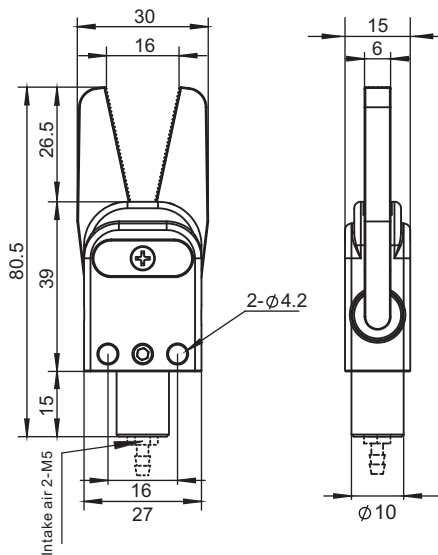
Air Nipper

Vacuum Module

Accessory Components

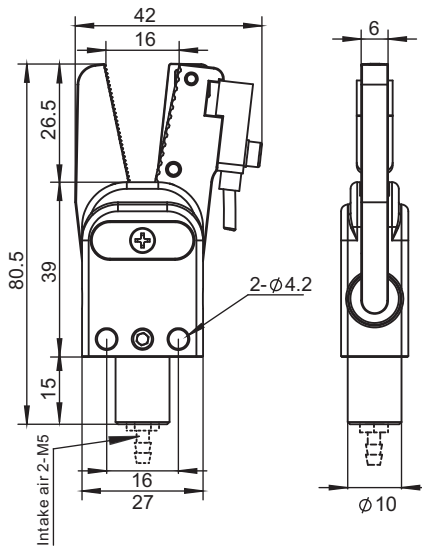


GR10A-12  
(Without Sensor)



GR10A-12-CN(CP)  
(With Sensor)

GX-F8A-P (PNP)  
GX-F8A (NPN)



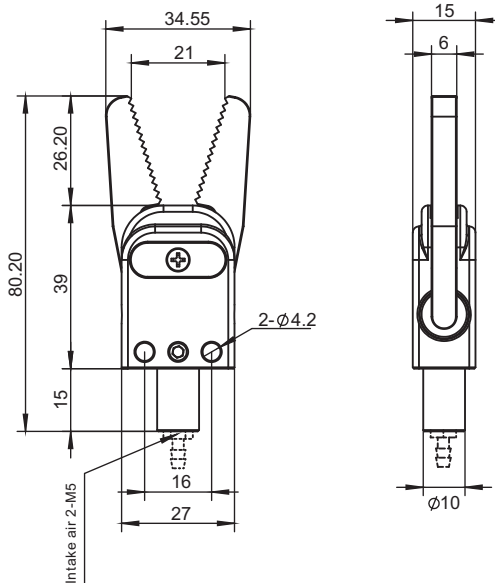
PN	Model	Sensor	F	Weight
8.Y00268	GR10A-12	-	28N	44g
8.Y00267	GR10A-12-CP	PNP	28N	70g

# Sprue Gripper GR10 Series

**NEW**



GR10D-12  
(Without Sensor)

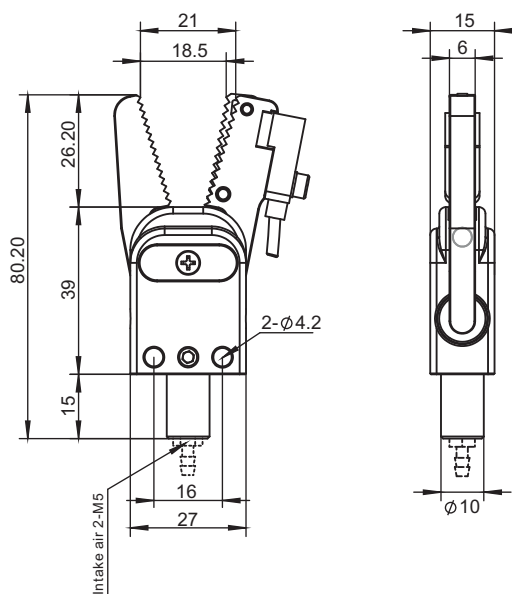


**NEW**



GR10D-12-CP  
(With Sensor)

GX-F8A-P (PNP)



PN	Model	Sensor	F	Weight
8.Y00370	GR10D-12	-	28N	42g
8.Y00369	GR10D-12-CP	PNP	28N	61g

- Profile - SUS Tube
- Stents Module
- Quick Changer
- Grip Module
- Air Nipper
- Vacuum Module
- Accessory Components



# Sprue Gripper GR12 Series

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

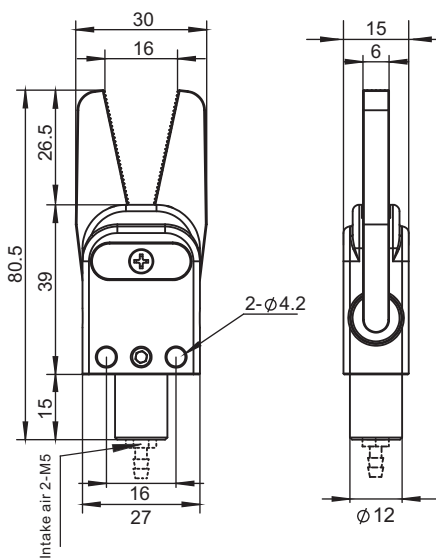
Air Nipper

Vacuum Module

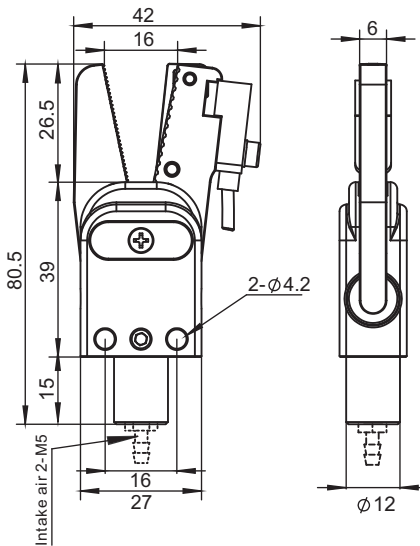
Accessory Components



GR12A-12  
(Without Sensor)



GR12A-12-CN(CP)  
(With Sensor)

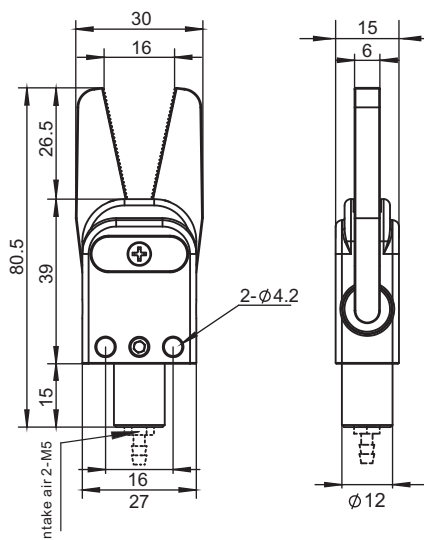


PN	Model	Sensor	F	Weight
8.Y00048	GR12A-12	-	28N	44g
8.Y00098	GR12A-12-C	-	28N	44g
8.Y00050	GR12A-12-CP	PNP	28N	70g
8.Y00091	GR12A-12-CN	NPN	28N	70g

# Sprue Gripper GR12 Series

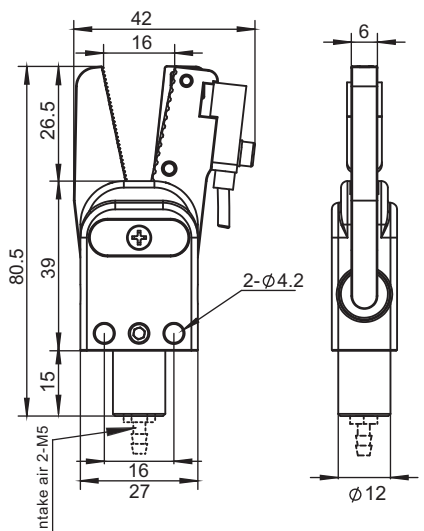


GR12B-12  
(Without Sensor)



GR12B-12-CN(CP)  
(With Sensor)

GX-F8A-P (PNP)  
GX-F8A (NPN)



PN	Model	Sensor	F	Weight
8.Y00245	GR12B-12	-	28N	44g
8.Y00260	GR12B-12-C	-	28N	44g
8.Y00261	GR12B-12-CP	PNP	28N	70g
8.Y00262	GR12B-12-CN	NPN	28N	70g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GR12 Series

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

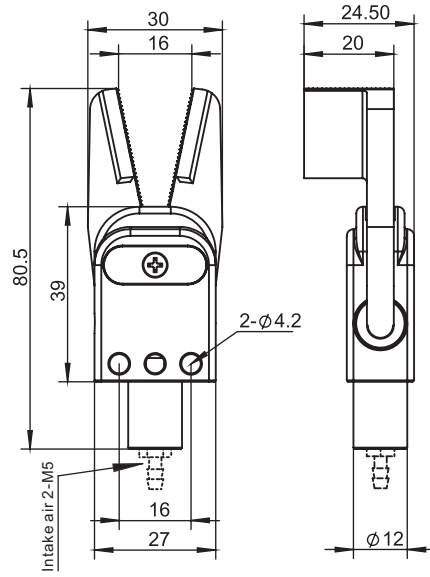
Air Nipper

Vacuum Module

Accessory Components



GR12L-12  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00307	GR10L-12	-	28N	50g
8.Y00308	GR12L-12	-	28N	50g

# Sprue Gripper GR20 Series

1. Main body being made of high-strength Aluminium , light weight , strong rigidity and long life cycle.
2. Using threaded components or CRG's components when to assemble.
3. GR series of sprue gripper can choose different types of jaws to satisfy the clamping of various sprue gate.



GR20A-20  
(Without Sensor)



GR20B-20  
(Without Sensor)



GR20C-20  
(Without Sensor)



GR20E-20  
(Without Sensor)



GR20A-20-CN(CP)  
(With Sensor)



GR20B-20-CN(CP)  
(With Sensor)



GR20D-20  
(Without Sensor)



GR20F-20  
(Without Sensor)

PN	Model	Sensor	F	Weight
8.Y00224	GR20A-20	-	80N	112g
8.Y00049	GR20A-20-C	-	80N	118g
8.Y00226	GR20A-20-CP	PNP	80N	137g
8.Y00051	GR20A-20-CN	NPN	80N	137g
8.Y00234	GR20B-20	-	80N	112g
8.Y00231	GR20B-20-C	-	80N	118g
8.Y00232	GR20B-20-CP	PNP	80N	137g
8.Y00233	GR20B-20-CN	NPN	80N	137g
8.Y00342	GR20C-20	-	80N	140g
8.Y00343	GR20D-20	-	80N	149g
8.Y00344	GR20E-20	-	80N	129g
8.Y00345	GR20F-20	-	80N	128g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GR20 Series

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

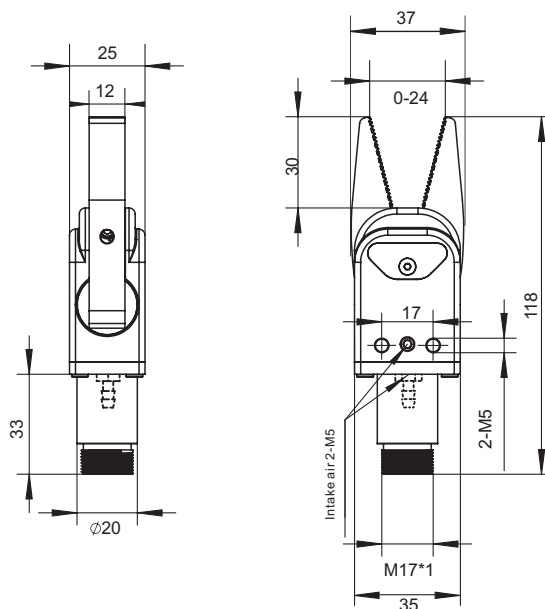
Vacuum Module

Accessory Components



The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

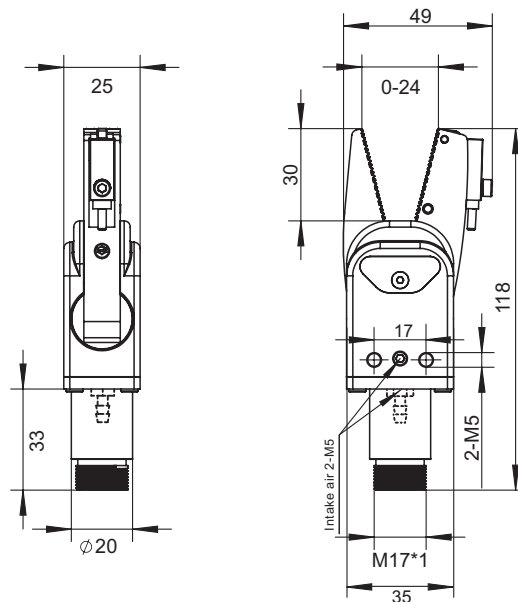
GR20A-20  
(Without Sensor)



GX-F8A-P (PNP)  
GX-F8A (NPN)

The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

GR20A-20-CN(CP)  
(With Sensor)



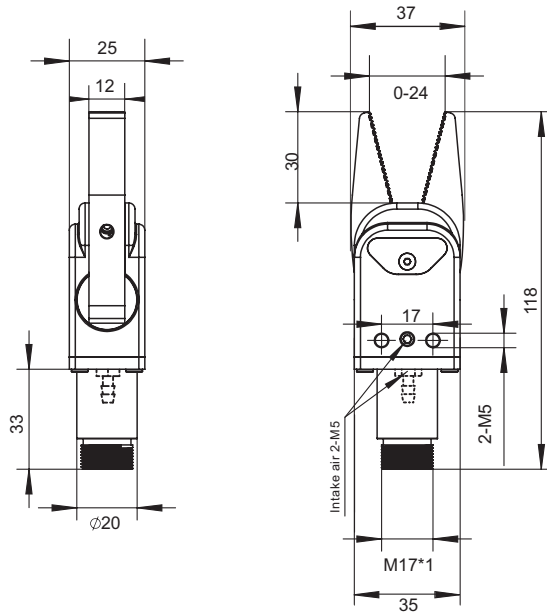
PN	Model	Sensor	F	Weight
8.Y00224	GR20A-20	-	80N	112g
8.Y00049	GR20A-20-C	-	80N	118g
8.Y00226	GR20A-20-CP	PNP	80N	137g
8.Y00051	GR20A-20-CN	NPN	80N	137g

# Sprue Gripper GR20 Series



The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

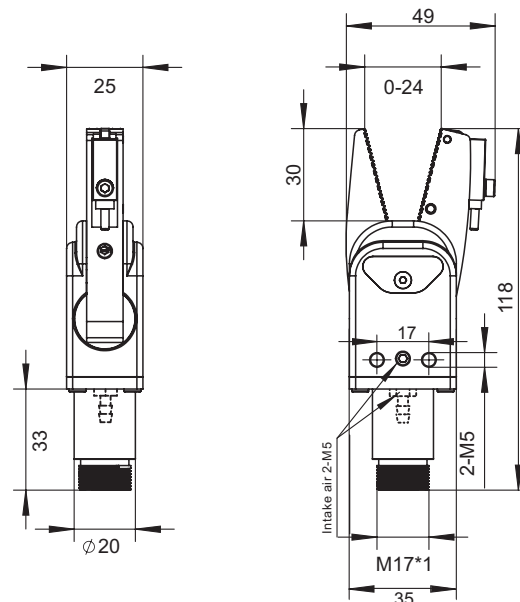
GR20B-20  
(Without Sensor)



GX-F8A-P (PNP)  
GX-F8A (NPN)

The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

GR20B-20-CN(CP)  
(With Sensor)



PN	Model	Sensor	F	Weight
8.Y00234	GR20B-20	-	80N	112g
8.Y00231	GR20B-20-C	-	80N	118g
8.Y00232	GR20B-20-CP	PNP	80N	137g
8.Y00233	GR20B-20-CN	NPN	80N	137g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GR20 Series

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

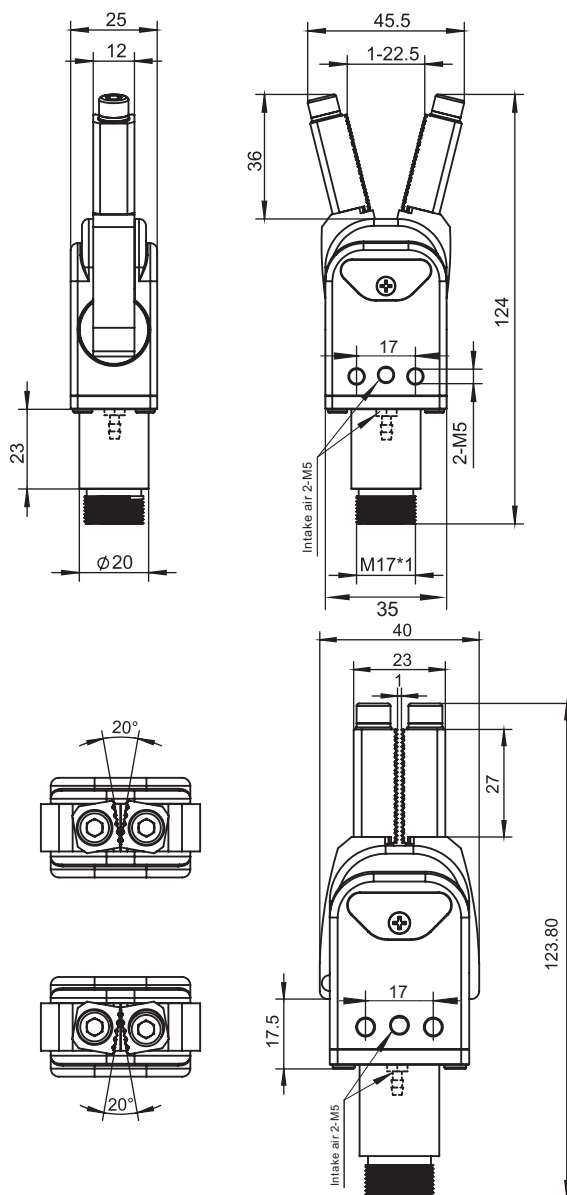
Vacuum Module

Accessory Components



The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

GR20C-20  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00342	GR20C-20	-	80N	140g

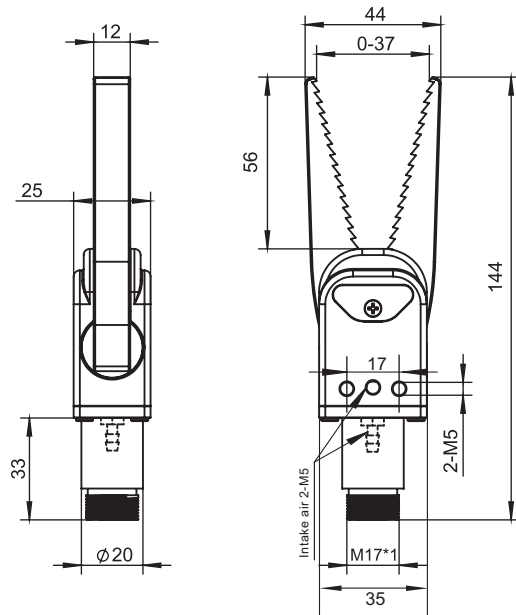


# Sprue Gripper GR20 Series



The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

GR20D-20  
Without Sensor

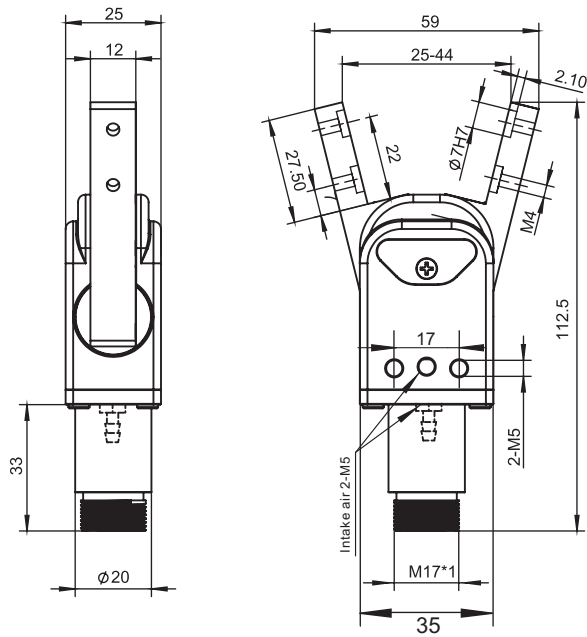


PN	Model	Sensor	F	Weight
8.Y00343	GR20D-20	-	80N	149g



The four screws on the bottom are loose for ventilate conveniently when they leaving the factory

GR20E-20  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00344	GR20E-20	-	80N	129g

Profile - SUS Tube  
Stents Module  
Quick Changer  
Grip Module  
Air Nipper  
Vacuum Module  
Accessory Components

# Sprue Gripper GR20 Series

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

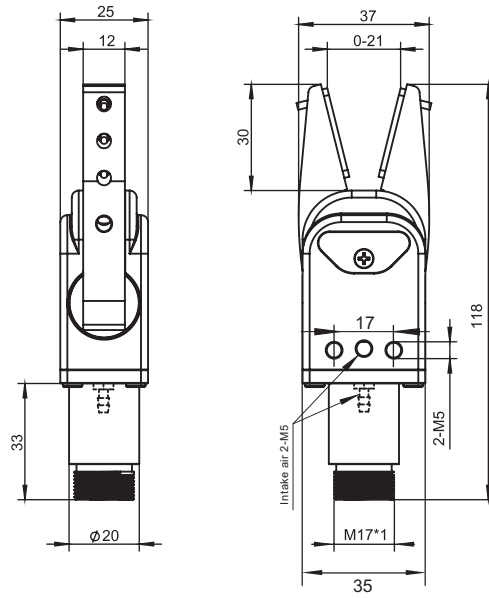
Air Nipper

Vacuum Module

Accessory Components



GR20F-20  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00345	GR20F-20	-	80N	128g

## Sprue Gripper GRT20 Series

1. Main body being made of high-strength Aluminium, light weight, strong rigidity and long life cycle.
2. Using threaded components or CRG's components when to assemble.
3. GR series of sprue gripper can choose different types of jaws to satisfy the clamping of various sprue gate.



GRT20A  
(Without Sensor)



GRT20B  
(Without Sensor)



GRT20C  
(Without Sensor)



GRT20E  
(Without Sensor)



GRT20A-CN(CP)  
(With Sensor)



GRT20B-CN(CP)  
(With Sensor)



GRT20D  
(Without Sensor)



GRT20E-CN(CP)  
(With Sensor)

PN	Model	Switch type	F	Weight
8.Y00257	GRT20A	-	100N	111g
8.Y00258	GRT20A-CN	NPN	100N	130g
8.Y00259	GRT20A-CP	PNP	100N	130g
8.Y00279	GRT20B	-	100N	155g
8.Y00281	GRT20B-CN	NPN	100N	153g
8.Y00282	GRT20B-CP	PNP	100N	153g
8.Y00316	GRT20C	-	100N	144g
8.Y00317	GRT20D	-	100N	160g
8.Y00318	GRT20E	-	100N	161g
8.Y00339	GRT20E-CN	NPN	100N	165g
8.Y00340	GRT20E-CP	PNP	100N	165g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Sprue Gripper GRT20 Series

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

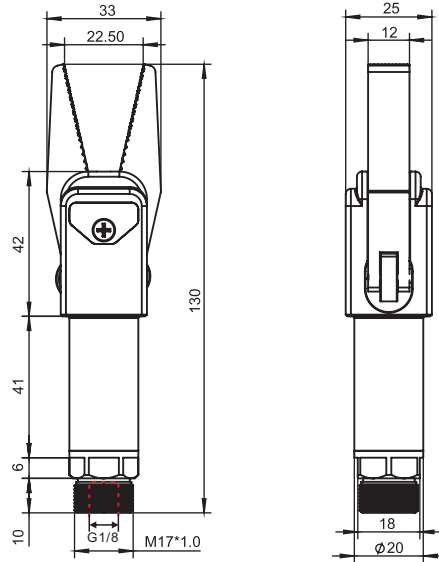
Air Nipper

Vacuum Module

Accessory Components

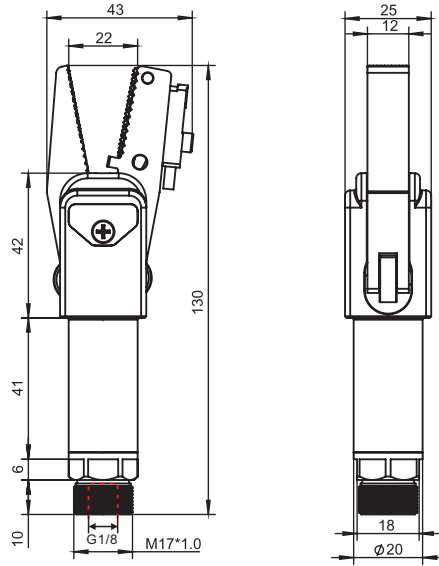


GRT20A  
(Without Sensor)



GRT20A-CN(CP)  
(With Sensor)

GX-F8A-P (PNP)  
GX-F8A (NPN)

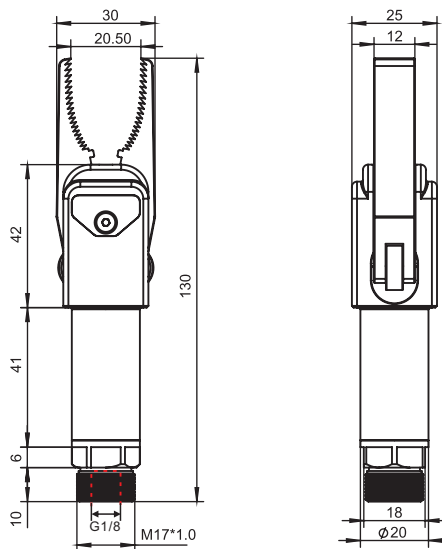


PN	Model	传感器(Sensor)	抓取力(F)	重量(Weight)
8.Y00257	GRT20A	-	100N	111g
8.Y00258	GRT20A-CN	NPN	100N	130g
8.Y00259	GRT20A-CP	PNP	100N	130g

# Sprue Gripper GRT20 Series

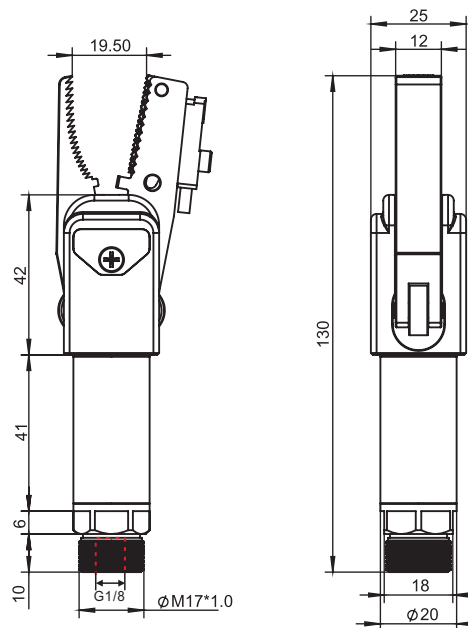


GRT20B  
(Without Sensor)



GRT20B-CN(CP)  
With Sensor

GX-F8A-P (PNP)  
GX-F8A (NPN)



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

PN	Model	Sensor	F	Weight
8.Y00279	GRT20B	-	100N	155g
8.Y00281	GRT20B-CN	NPN	100N	153g
8.Y00282	GRT20B-CP	PNP	100N	153g

# Sprue Gripper GRT20 Series

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

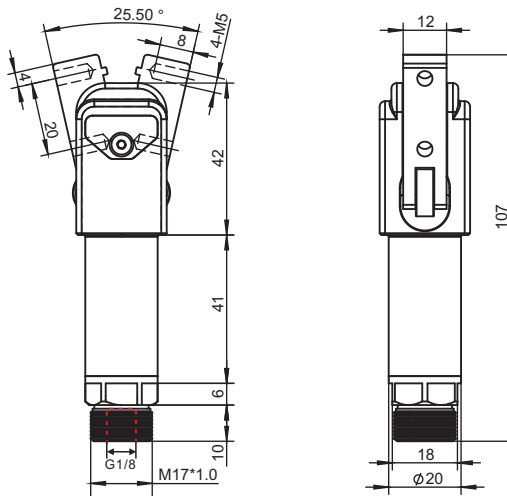
Air Nipper

Vacuum Module

Accessory Components



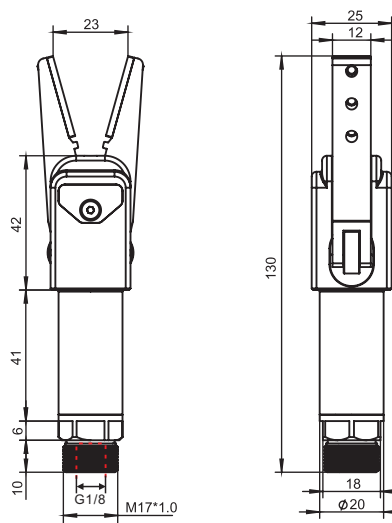
GRT20C  
(Without Sensor)



PN	Model	Sensor	F	Weight
8.Y00316	GRT20C	-	100N	144g



GRT20D  
(Without Sensor)

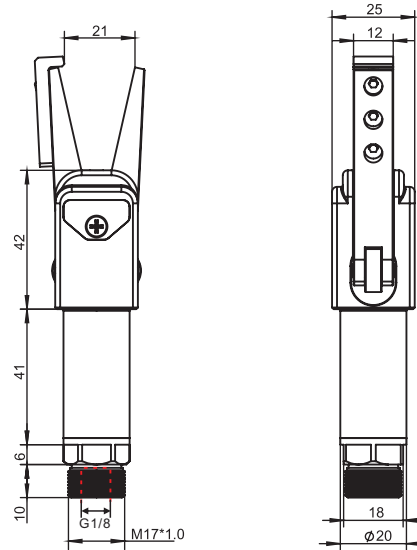


PN	Model	Sensor	F	Weight
8.Y00317	GRT20D	-	100N	160g

# Sprue Gripper GRT20 Series

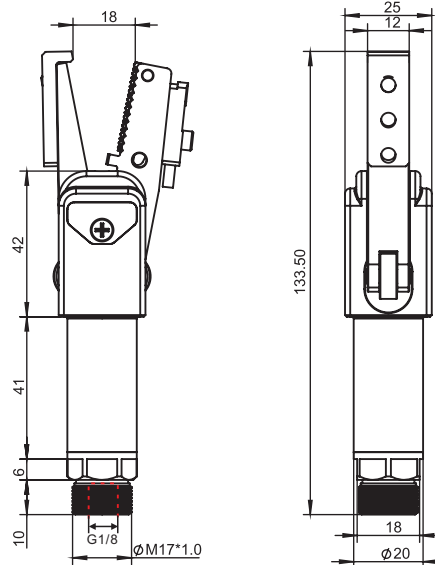


GRT20E  
(Without Sensor)



GRT20E-CN(CP)  
(With Sensor)

GX-F8A-P (PNP)  
GX-F8A (NPN)



PN	Model	Sensor	F	Weight
8.Y00318	GRT20E	-	100N	161g
8.Y00339	GRT20E-CN	NPN	100N	165g
8.Y00340	GRT20E-CP	PNP	100N	165g

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



# Sprue Gripper GRP32 Series

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

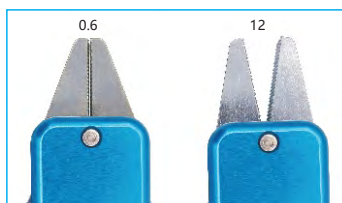
Air Nipper

Vacuum Module

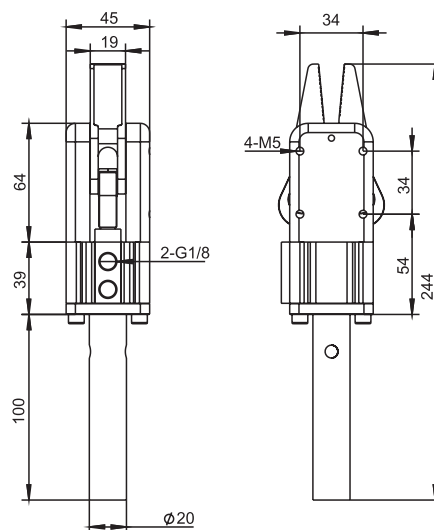
Accessory Components



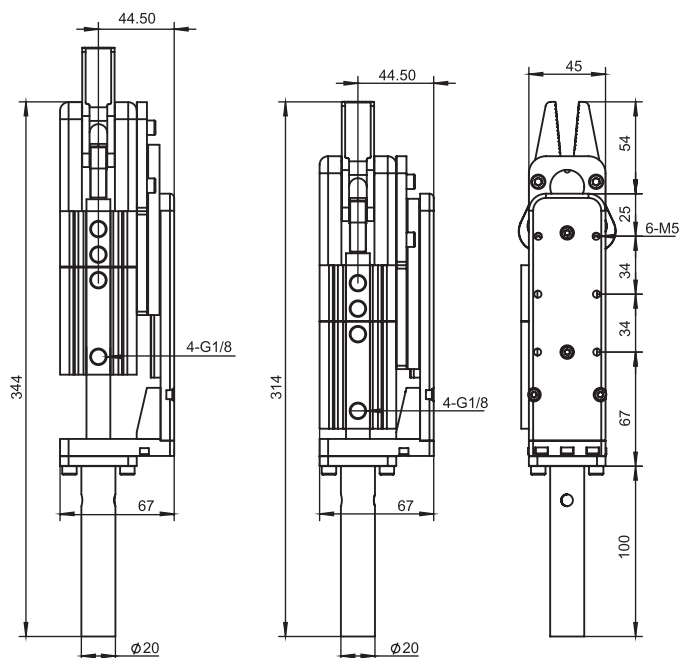
A 齿



B



GRP32A



GRP32A-30

## Series GRP32

Standard jaws with teeth, Double action function.  
Fully compatible with CRG's modular EOAT/gripper system.

20mm shaft diameter.

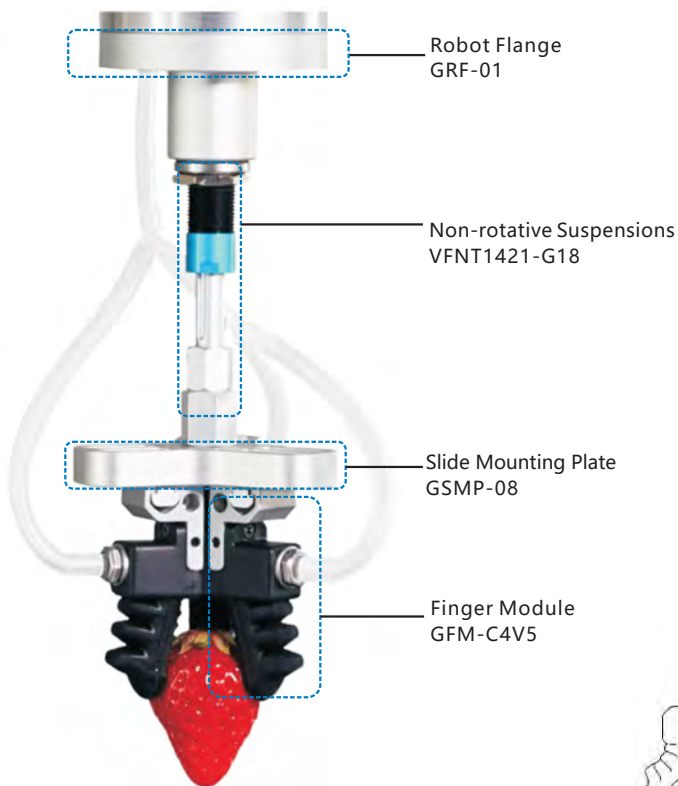
Requirements:

Working air pressure 6 bar.

Requires filtered dry air.

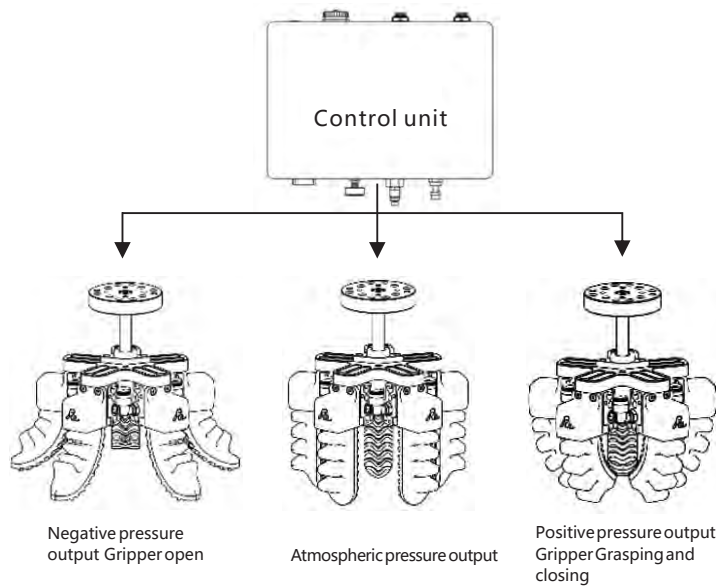
PN	Model	Sensor	F	Weight
8.Y00278	GRP32A	-	200N	604g
8.Y00315	GRP32A-30	-	200N	1276g
8.Y00388	GRP32B	-	200N	608g
8.Y00387	GRP32B-30	-	200N	1282g

# Flexible Soft Gripper GFM/GBS Series



3 Fingers Gripper Suit

Flexible soft grippers adopt pneumatic drive technology, through positive and negative pressure transform to achieve fingers opening and closing movement. Then realize flexible gripping or outrigger action. The gripper grab strength is adjusted by air pressure. Then achieve flexible gripping of different objects while avoiding damage objects.



## Application

**Food industry**  
Food grade materials are safe and non-toxic, especially suitable for grabbing liquid packaging, Bread and cake sorting and packaging, etc.

**3C electron industry**  
It's suitable for high precision positioning precision electronic instruments, and the assembly, sorting, testing and packaging of mobile phones and other products.

**Clothing industry**  
It's suitable for handling and sorting express packages, Not only for cube express box, but also for all kinds of shapes such as different express bags.

**Daily chemical industry**  
It is suitable for lipstick and other products that required no scratch on the appearance of the package, especially suitable for large bottle shampoo and other products covered with plastic film.

**Auto industry**  
It is used for the sorting and handling of the parts which are easy to scratch in auto lamp, instrument assembly, irregular parts and easy to scratch parts. It can also be used for the sorting and handling of mold and tooling in automobile parts manufacturing.

**Medical industry**  
It is used for grasping medical consumables such as infusion tube and test tube. It also can grab bottle and liquid packaging injection. Including for the production of medical equipment sterilization and so on.

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

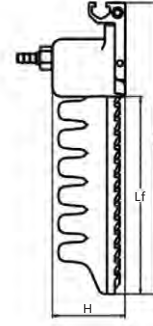
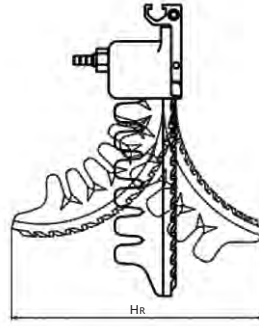
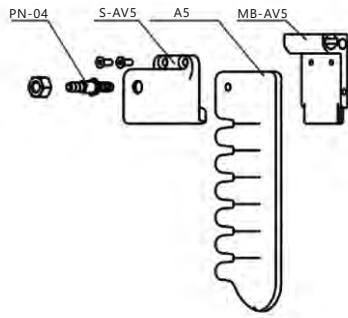
Air Nipper

Vacuum Module

Accessory Components

# Finger Module

Series-GFM-V5

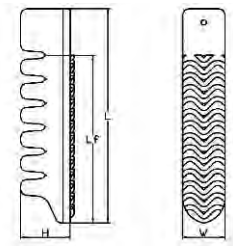
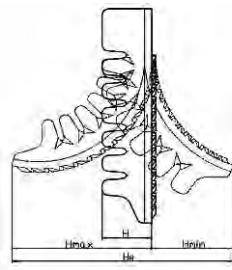
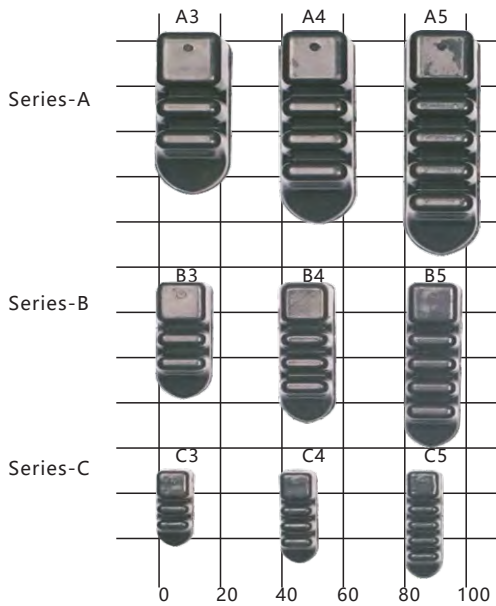


Series	PN	Model	H[mm]	Fingertip Stroke Hr [mm]	Lf[mm]	L[mm]	W[mm]	Load Range[g]	Self Weight[g]
A	4.Y00500	GFM-A3V5	36	30	41	88	31	200 - 500	52
	4.Y00501	GFM-A4V5		55	55	102			57
	4.Y00502	GFM-A5V5		80	69	116			62
B	4.Y00503	GFM-B3V5	29	38	31	71	25	150 - 300	28
	4.Y00504	GFM-B4V5		50	42	82			29.5
	4.Y00505	GFM-B5V5		80	52	92			31
C	4.Y00506	GFM-C3V5	22	22	21	53	18	0 - 100	13.7
	4.Y00507	GFM-C4V5		36	28	60			14.5
	4.Y00508	GFM-C5V5		41	35	67			15.3

# Flexible Finger

Model comparison

Size Parameter



Series	PN	Model	H[mm]	Fingertip Stroke Hr [mm]		Lf[mm]	L[mm]	W[mm]	Load Range[g]	Self Weight[g]
				Positive Pressure Hmin	Negative Pressure Hmax					
A	1.Y08421	A3	28	10	20	41	69	24	200-500	30
	1.Y08422	A4		25	30	55	83			35
	1.Y08423	A5		35	45	69	97			40
B	1.Y08424	B3	21	19	19	31	52	18	150-300	14
	1.Y08425	B4		25	25	42	62			15.5
	1.Y08426	B5		40	40	52	73			17
C	1.Y08427	C3	14	12	10	21	34	12	0-100	3.7
	1.Y08428	C4		18	18	28	41			4.5
	1.Y08429	C5		21	20	35	48			5.3

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

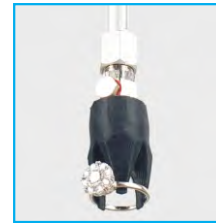
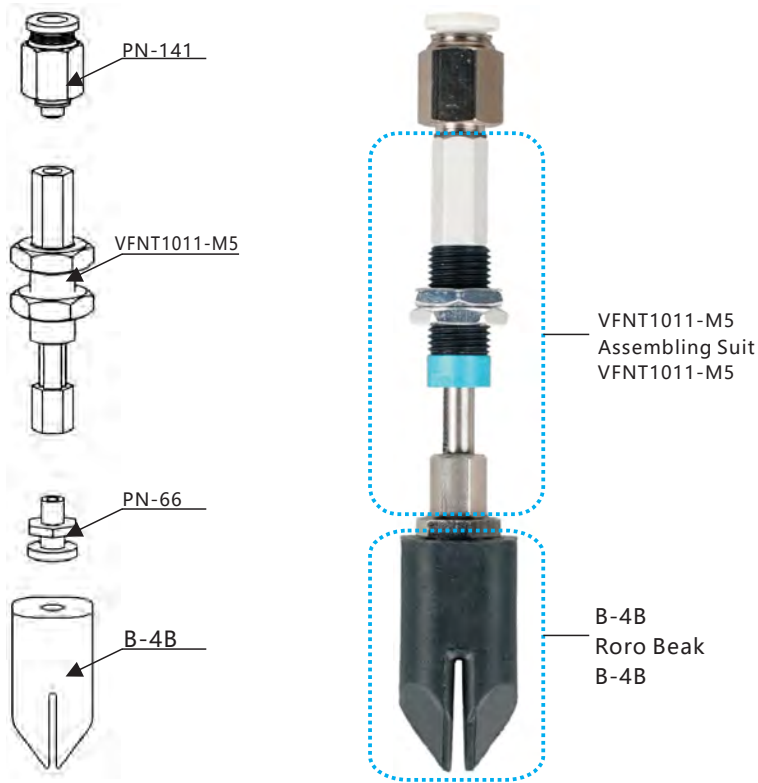
Air Nipper

Vacuum Module

Accessory Components

# Roro Beak Suit

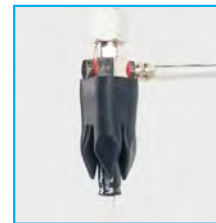
GBS-4B-S01 GBS-4B-S01 4 pieces Beak Suit



3 Pieces Application: Gripping jewelry by external bracing



3 Pieces Application: Gripping ring by external bracing



4 Pieces Application: Gripping products in Electronic industry

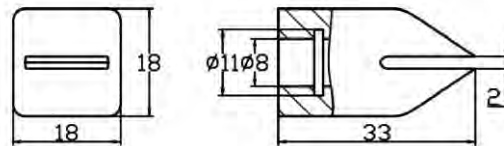
PN	Model	Maximum Load	Maximum Working Frequency	Precision Range
4.Y00509	GBS-2B-S01	5 g	200 times/min	0.1 mm
4.Y00510	GBS-3B-S01	5 g	200 times/min	0.1 mm
4.Y00511	GBS-4B-S01	5 g	200 times/min	0.1 mm

## Roro Beak

2 pieces Roro Beak Gripping Range: 1-5mm, Application: fibrous, striped small objects

### Roro Beak B-2B

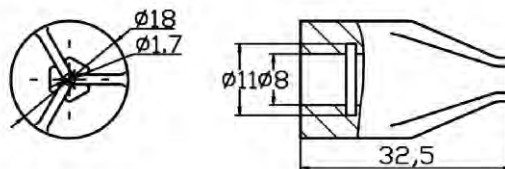
PN	1.Y08430
Model	B-2B



3 pieces Roro Beak Gripping Range: 7-12mm, Application: gripping small rings by external bracing

### Roro Beak B-3B

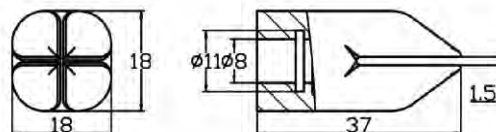
PN	1.Y08431
Model	B-3B



4 pieces Roro Beak Gripping Range: 1-5mm, Application: spherical, irregular small objects, the best universality

### Roro Beak B-4B

PN	1.Y08432
Model	B-4B



Profile - SUS Tube

Stents Module

Quick Changer

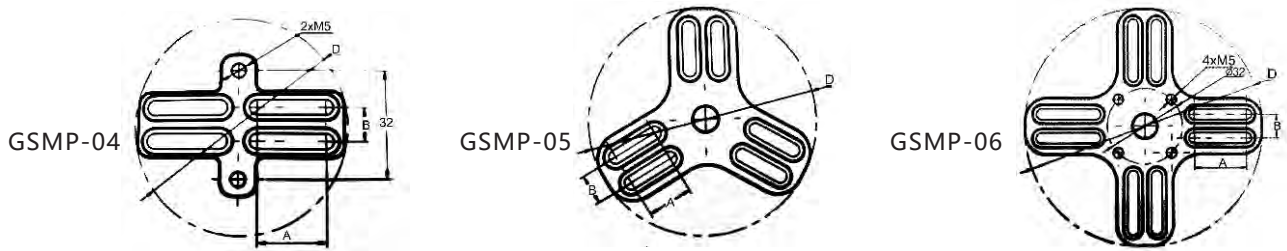
Grip Module

Air Nipper

Vacuum Module

Accessory Components

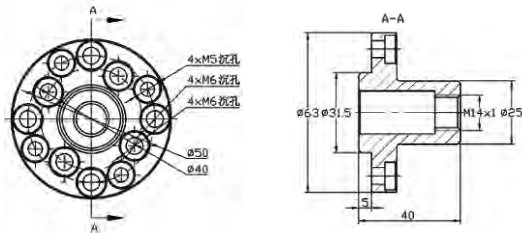
# Slide Mounting Plate



PN	Model	Slot-Length A(mm)	Slot-Spacing B(mm)	Outside Diameter D(mm)	Thickness(mm)
7.Y00923	GSMP-04(short type )	20	10	62	8
7.Y00924	GSMP-05	50	10	148	10
7.Y00925	GSMP-06	67	10	190	10

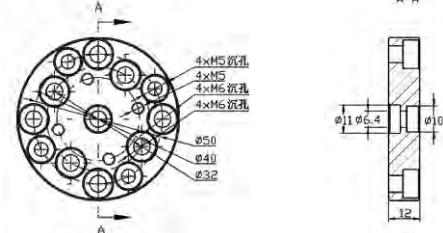
# Robot Flange

GRF-01 Robot Flange GRF-01



PN	7.Y00926
Model	GRF-01

GRF-02 Robot Flange GRF-02

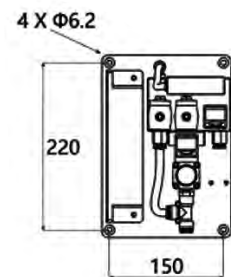
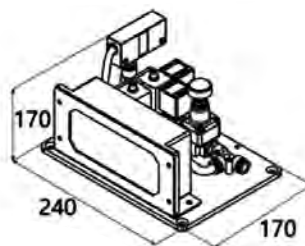


PN	7.Y00927
Model	GRF-02

# iPCU Integrated Passive Control Unit

iPCU-SMN

Integrated Passive Control Unit - Manual air pressure regulator Standard model



PN	Model	Size mm	Protection Grade	Net Weight kg
1.Y08433	iPCU-SMN	170*240*170	IP20	2.8

## Work and Installation Parameter

Parameter	Range
Fuselage Shell	Integrated, no shell
Rated Voltage	24VDC ± 10%
Rated Current	1500mA
Input Air Source	0.45~1.0MPa dry clean air, flow>200L/min
Output Air Pressure	-70~120kPa
Control Mode	a. Wireless remote control, 315M RF
Feedback Mode	b.Signal cable, I/O,24VDC level signal Modbus, TCP/RTU-485
	Signal cable, I/O, switch signal
Work Mode	Energy-saving mode <sup>Note1</sup> :After the flexible soft gripper reach the opening posture, PCU will be suspended and gripper can remain opening posture.
Application Environment	Avoid a lot of dust, oil and corrosion

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

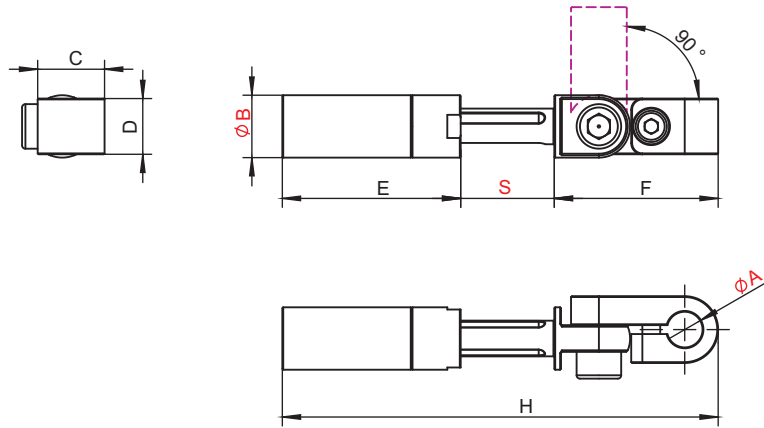
Vacuum Module

Accessory Components

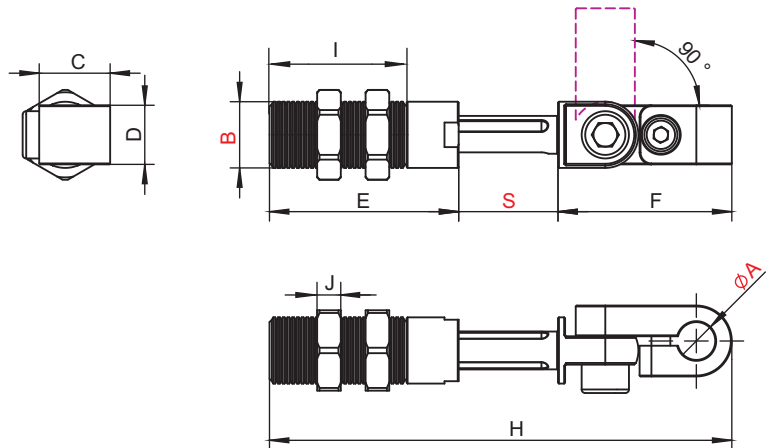


# Buffer Support

Dimensions (mm)

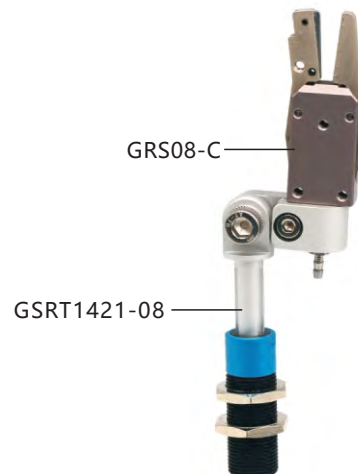
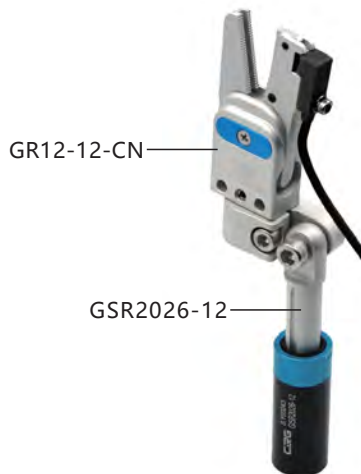


PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	S(mm)	Weight
8.Y00241	GSR1421-08	8	14	15	12.5	40	36.75	97.75	21	36g
8.Y00329	GSR2026-10	10	20	20	15	50	45.5	121.5	26	74g
8.Y00243	GSR2026-12	12	20	20	15	50	45.5	121.5	26	73g
8.Y00330	GSR2051-10	10	20	20	15	84	45.5	180.5	51	111g
8.Y00331	GSR2051-12	12	20	20	15	84	45.5	180.5	51	110g



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	J(mm)	S(mm)	(Weight)
8.Y00242	GSRT1421-08	8	M14	15	12.5	40	36.75	97.75	29	2.7	21	43g
8.Y00332	GSRT2026-10	10	M20	20	15	50	45.5	121.5	39	3.9	26	92g
8.Y00244	GSRT2026-12	12	M20	20	15	50	45.5	121.5	39	3.9	26	91g
8.Y00333	GSRT2051-10	10	M20	20	15	84	45.5	180.5	39	3.9	51	129g
8.Y00334	GSRT2051-12	12	M20	20	15	84	45.5	180.5	39	3.9	51	128g

## Application example



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

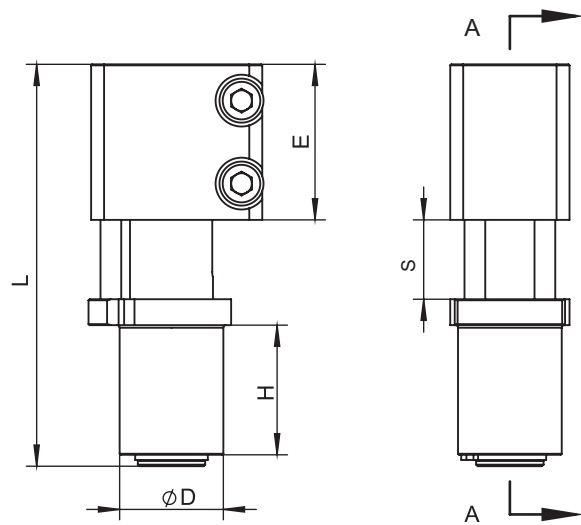
Air Nipper

Vacuum Module

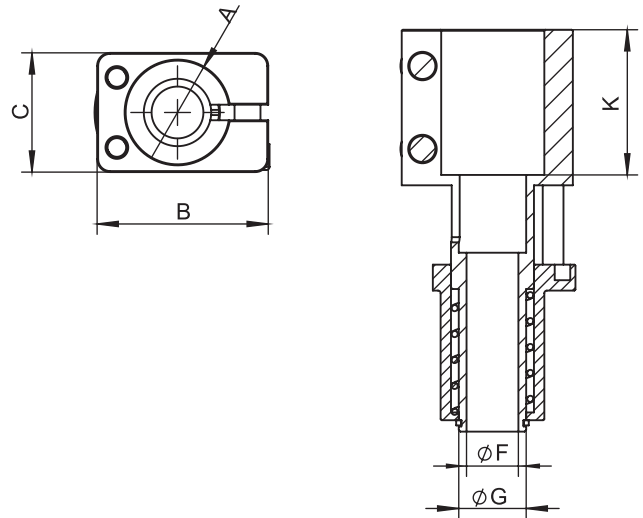
Accessory Components

# Buffer Support

Dimensions (mm)



Application example



PN	Model	A	B	C	D	E	F	G	H	L	K	S	Weight
8.Y00238	GSP20-14	14	31	20	20	30	10	13	25	77.5	28	15	57g
8.Y00239	GSP20-20	20	33	23	20	30	10	13	25	77.5	28	15	65g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

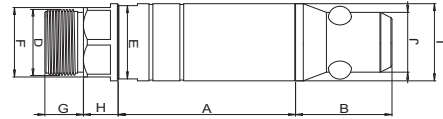
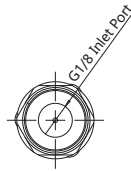
Vacuum Module

Accessory Components

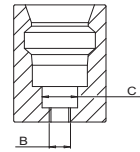
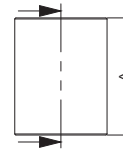
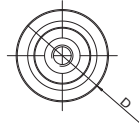


# Mould Positioner

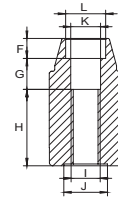
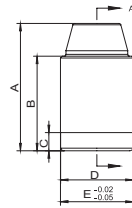
Dimensions (mm)



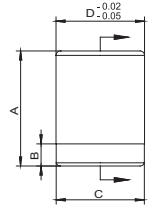
PN	Model	A	B	D	E	F	G	H	I	J	K	Force	Weight
8.Y00088	GMP20A	46	25	M17*1	19	18	10	9	Ø20	Ø15.5	G1/8	190N	78g
8.Y00089	GMP30A	75	38	M27*1	28	27	11	10	Ø30	Ø25.5	G1/8	280N	303g



PN	Model	A	B	C	D	Weight
7.Y00726	GMP20B	33	M6	10	26h7	87g
7.Y00789	GMP30B	43.5	M8	11	40h7	264g

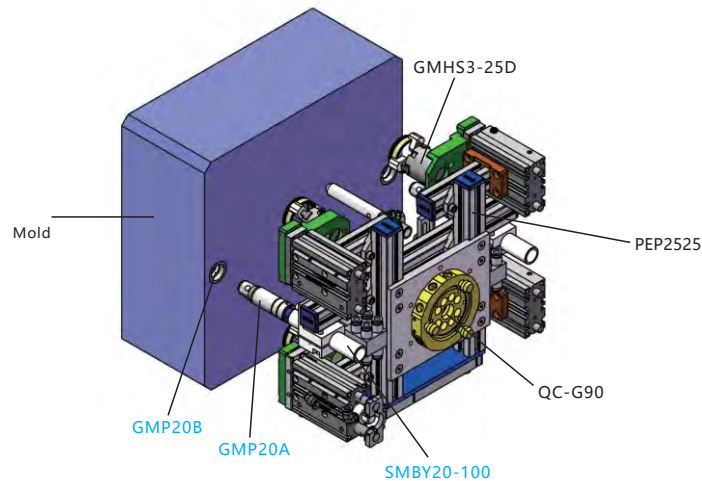


PN	Model	A	B	C	D	E	F	G	H	I	J	K	L	Weight
7.Y00894	GLU20A	35	26	5	Ø19.92	Ø20	5.50	8.50	21	M8	Ø12	Ø8.20	Ø11	61g



PN	Model	A	B	C	D	E	F	G	H	Weight
7.Y00895	GLU20B	26	5	Ø19.92	Ø20	M8	Ø11	15.50	10.50	42g

Application example



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Pneumatic Needle Gripper(Series GN)

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

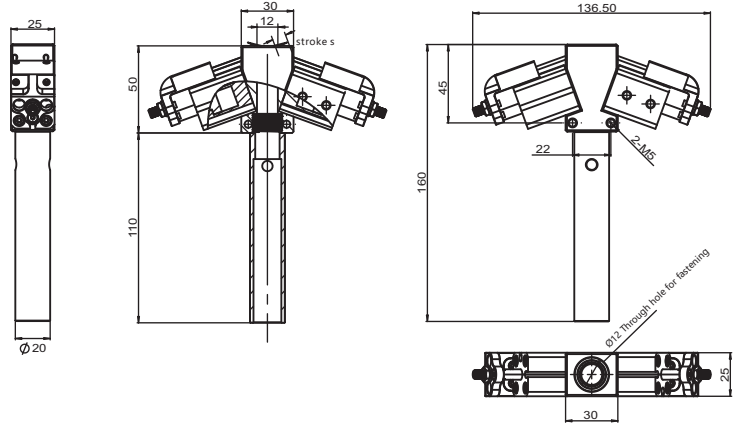
Air Nipper

Vacuum Module

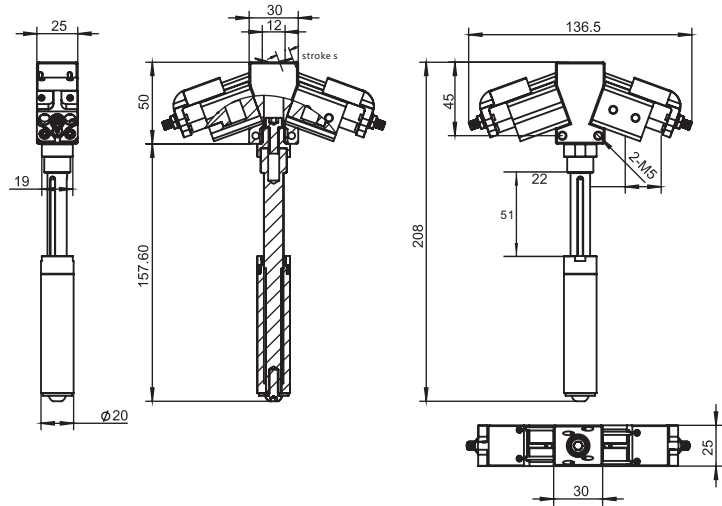
Accessory Components



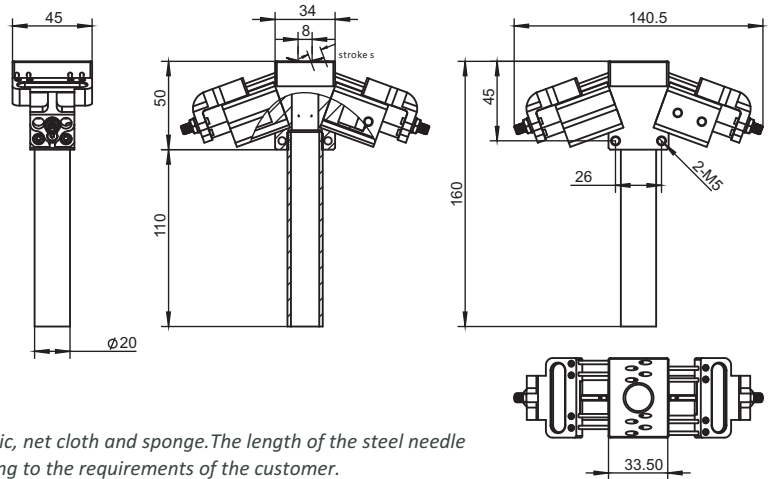
GN2010



GN2010-S51



GN2010-8

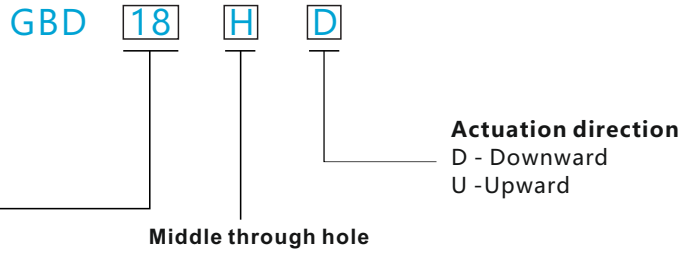


Being used for embedding and taking out nonwoven fabric, net cloth and sponge. The length of the steel needle can be not only adjustable, but also customized according to the requirements of the customer.

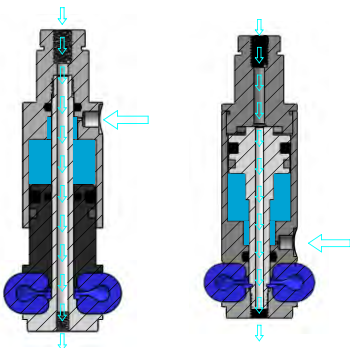
PN	8.Y00025	8.Y00341	8.Y00347
Model	GN2010	GN2010-S51	GN2010-8
Medium	Filtered, lubricated / non lubricated compressed air		
Pressure range	3 ~ 8 bar		
Temperature range	-10° ~ 70 °C.		
Opening total gripping force at 6 bar	90 N		
Needle stroke	0 ~ 10 mm		
Cycle air consumption	3.5 cm <sup>3</sup>		
Weight	274g	240g	317g

# Bulging Device

## Model representation methods



Downward movement, or Upward movement.  
The elastic part can be in Silicone or Rubber.  
Grip diameters from 18 to 31 mm.  
Several mounting accessories.



GBD...HD

GBD...HU

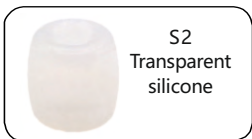
Through hole for fastening

The ...H models have a central through hole. It can be used to blow compressed air, or to provide vacuum, with the purpose to cool a part, or to check the leakage.

## Silicone rubber

The elastic part can be in blue Silicone, or transparent silicone.  
Silicone can be used over a wider temperature range and assures a longer life time.  
The elastic part in Silicone is available as a spare part and can be replaced, when worn out.  
The expected medium life time of the elastic part in Silicone is about 1 million cycles.

### Spare elastic part



Silicone can be shipped by customers

Spec.	Ø18	Ø22
Model	18-S1	22-S1
PN	4.Y00470	4.Y00471
Model	18-S2	22-S2
PN	4.Y00472	4.Y00473
Bulging device	GBD18U GBD18HD	GBD22HU

T - Operating temperature of the elastic part (5~60°C for the gripper body)

# Bulging Device

Profile - SUS Tube

Stents Module

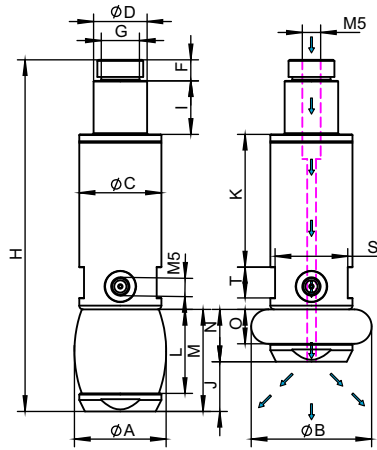
Quick Changer

Grip Module

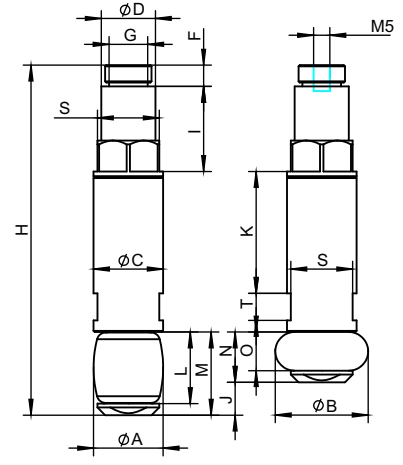
Air Nipper

Vacuum Module

Accessory Components

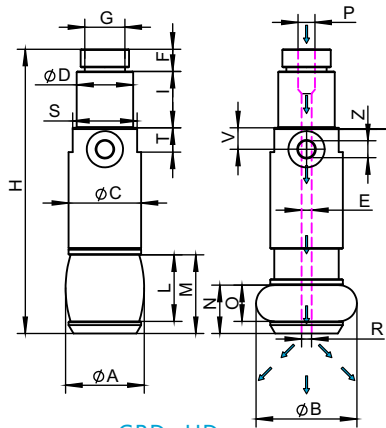


GBD...HU



GBD...U

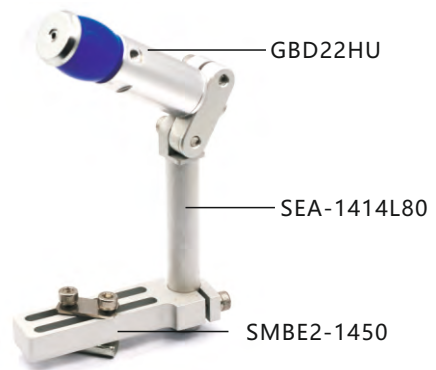
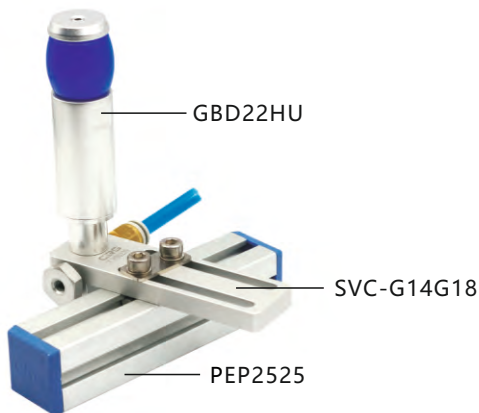
PN	Model	ØA	ØB	ØC	ØD	F	G	H	I	J	K	L	M	N	O	S	T	Weight
8.Y00212	GBD18U	18	24	18	14	5.5	M12×1	90.5	22	8.5	31.5	18.5	21.5	13	10	16	7	39.7
8.Y00058	GBD22HU	24	31.5	21.3	14	5.5	M12×1	92	14	13	34.8	22	26.7	13.7	9	19	8	53.8



GBD...HD

PN	Model	ØA	ØB	ØC	ØD	ØE	F	G	H	I	L	M	N	O	P	R	S	T	V	Z	Weight
8.Y00057	GBD18HD	19.5	25	18	14	2.5	5.5	M12×1	70.5	14	16.5	19.5	12	9	M5	M3	16	6	5.3	M5	27.4

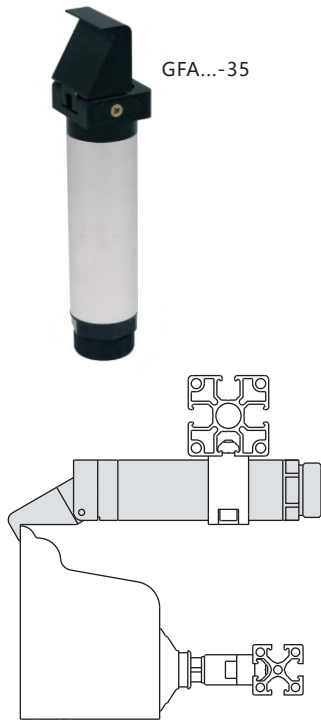
## Application example



Not available in Germany, Italy and USA.

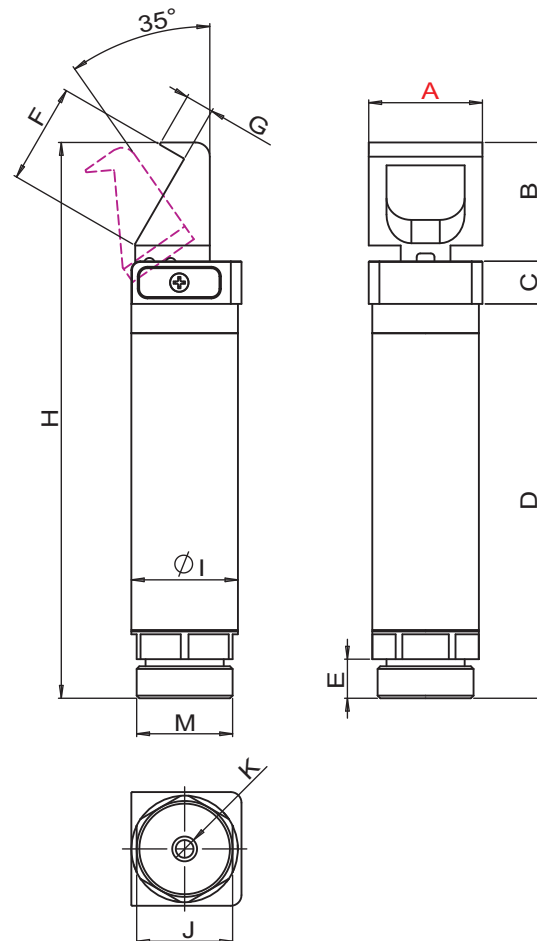
# One Finger Angular Pneumatic Grippers (Series GF)

- Single acting.
- Built-in magnetic ring



PN	8.Y00117	8.Y00118	8.Y00119
Model	GFA14-35	GFA20-35	GFA30-35
Medium	Filtered, lubricated / non lubricated compressed air		
Gripper body	Aluminium		
Pressure range	2.5 ~ 8 bar		
Temperature range	-10 ~ 70 °C.		
Stroke	35°		
Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Closing torque at 6 bar	26 Ncm	100 Ncm	430 Ncm
Cycle air consumption	0.4 cm <sup>3</sup>	1.24 cm <sup>3</sup>	4.56 cm <sup>3</sup>
Weight	25g	65g	206g
Built-in magnetic ring	Yes	Yes	Yes

PN	8.Y00117	8.Y00118	8.Y00119
Model	GFA14-35	GFA20-35	GFA30-35
A	14	20	30
B	14	20.5	30
C	10.5	9	12
D	49.5	76.5	111
E	5.5	8	11
F	13.5	20.2	30.5
G	4.5	6	8
H	74	106	153
I	Ø14	Ø20	Ø30
J	12	17	27
K	M5	M5	M5
M	M12×1	M17×1	M27×1



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

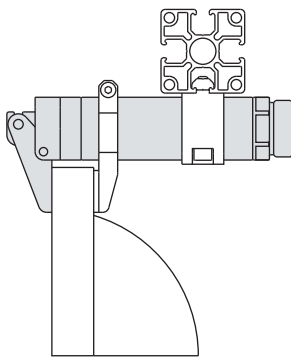
Air Nipper

Vacuum Module

Accessory Components

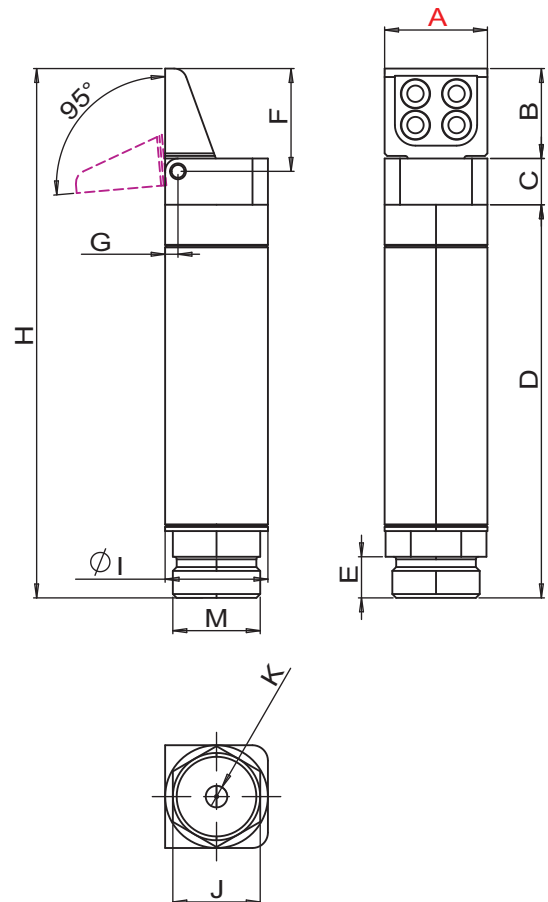
# One Finger Angular Pneumatic Grippers (Series GF)

- Single acting.
- Built-in magnetic ring



PN	8.Y00042	8.Y00311	8.Y00095
Model	GFR14-95	GFR20-95E	GFR30-95
Medium	Filtered, lubricated / non lubricated compressed air		
Gripper body	Aluminium		
Pressure range	2.5 ~ 8 bar		
Temperature range	-10 ~ 70 °C.		
Stroke	95°		
Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm
Cycle air consumption	1 cm <sup>3</sup>	3.52 cm <sup>3</sup>	12.9 cm <sup>3</sup>
Weight	25g	60g	193g
Built-in magnetic ring	Yes	Yes	Yes
Remark		8.Y00041	

PN	8.Y00042	8.Y00311	8.Y00095
Model	GFR14-95	GFR20-95E	GFR30-95
A	14	20	30
B	12	17.5	25
C	10.5	9	12
D	49.5	76.5	111
E	5.5	8	11
F	14	20	29
G	2	2.5	4
H	72	103	148
I	Ø14	Ø20	Ø30
J	12	17	27
K	M5	M5	M5
M	M12×1	M17×1	M27×1



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

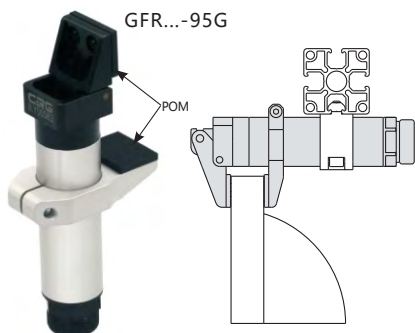
Air Nipper

Vacuum Module

Accessory Components

# One Finger Angular Pneumatic Grippers (Series GF)

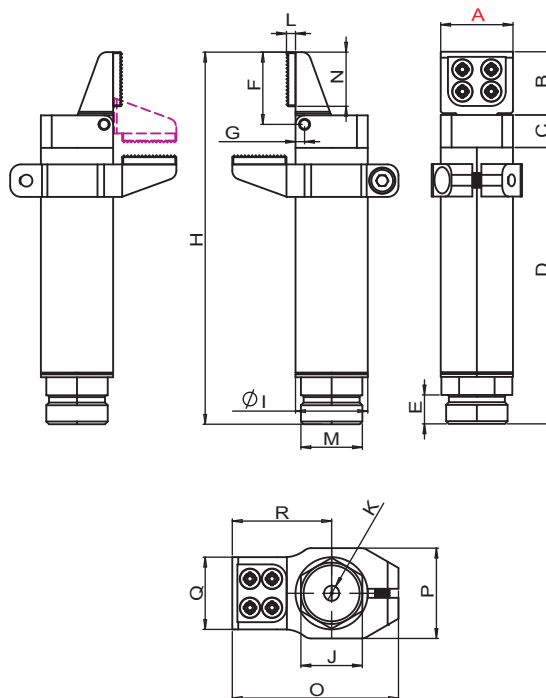
- Single acting.
- Built-in magnetic ring



PN	8.Y00084	8.Y00312	8.Y00096
Model	GFR14-95G	GFR20-95EG	GFR30-95G
Medium	Filtered, lubricated / non lubricated compressed air		
Gripper body	Aluminium		
Pressure range	2.5 ~ 8 bar		
Temperature range	-10 ~ 70 °C.		
Stroke	95°		
Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm
Cycle air consumption	1cm <sup>3</sup>	3.52cm <sup>3</sup>	12.9 cm <sup>3</sup>
Weight	36g	87g	300g
Built-in magnetic ring	Yes	Yes	Yes
Remark		8.Y00083	

PN	4.Y00486	4.Y00485	-
Model	SIL-14G	SIL-20G	-
Applicable Products	GFR14-95G	GFR20-95EG GFR20-95LG GFR20-95SG	-

PN	8.Y00084	8.Y00312	8.Y00096
Model	GFR14-95G	GFR20-95EG	GFR30-95G
A	14	20	30
B	12	17.5	25
C	10.5	9	12
D	49.5	76.5	111
E	5.5	8	11
F	14	20	29
G	2	2.5	4
H	72	103	148
I	Ø14	Ø20	Ø30
J	12	17	27
K	M5	M5	M5
L	2.5	2.5	3
M	M12×1	M17×1	M27×1
N	11	15	20
O	32	46	63
P	19	25	37
Q	14	20	30
R	19	27.5	40



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



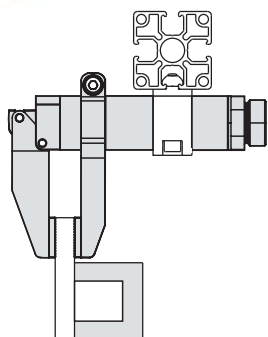
# One Finger Angular Pneumatic Grippers (Series GF)

Profile / SUS Tube  
Stents Module  
Quick Changer  
Grip Module  
Air Nipper  
Vacuum Module  
Accessory Components

- Single acting.
- Built-in magnetic ring

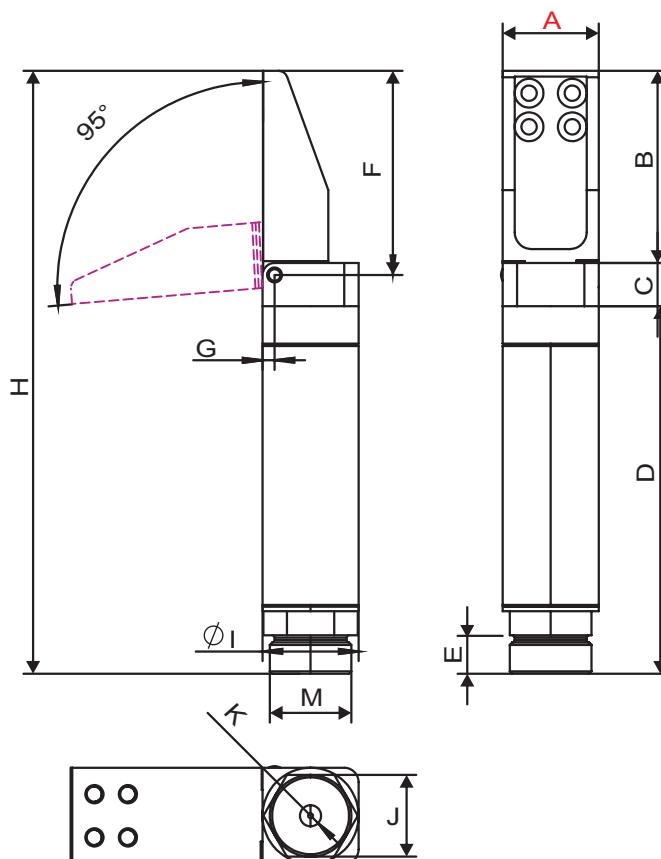


GFR...-95L



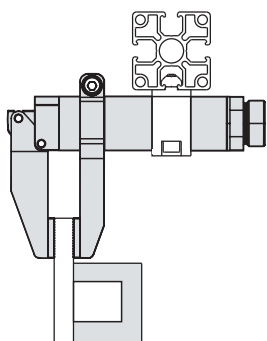
PN	8.Y00309
Model	GFR20-95L
Medium	Filtered, lubricated / non lubricated compressed air
Gripper body	Aluminium
Pressure range	2.5 ~ 8 bar
Temperature range	-10 ~ 70 °C.
Stroke	95°
Piston bore	Ø16 mm
Closing torque at 6 bar	70 Ncm
Cycle air consumption	3.52 cm <sup>3</sup>
Weight	81.4g
Built-in magnetic ring	Yes

PN	8.Y00309
Model	GFR20-95L
A	20
B	40
C	9
D	76.5
E	8
F	42.5
G	2.5
H	125.5
I	Ø20
J	17
K	M5
M	M17×1



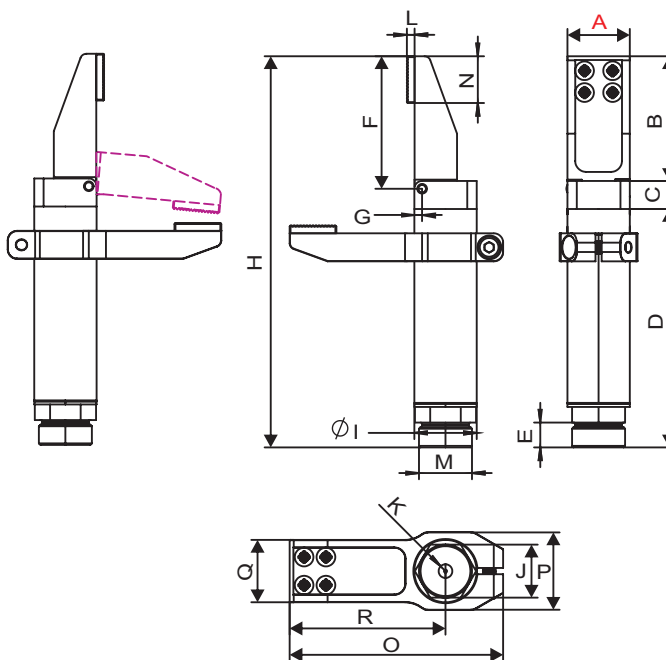
# One Finger Angular Pneumatic Grippers (Series GF)

- Single acting.
- Built-in magnetic ring



PN	8.Y00310
Model	GFR20-95LG
Medium	Filtered, lubricated / non lubricated compressed air
Gripper body	Aluminium
Pressure range	2.5 ~ 8 bar
Temperature range	-10 ~ 70 °C.
Stroke	95°
Piston bore	Ø16 mm
Closing torque at 6 bar	70 Ncm
Cycle air consumption	3.52cm <sup>3</sup>
Weight	104.8g
Built-in magnetic ring	Yes
PN	4.Y00485
Model	SIL-20G
Applicable Products	GFR20-95EG GFR20-95LG GFR20-95SG

PN	8.Y00310
Model	GFR20-95LG
A	20
B	40
C	9
D	76.5
E	8
F	42.5
G	2.5
H	125.5
I	Ø20
J	17
K	M5
L	2.5
M	M17×1
N	15
O	68.5
P	25
Q	20
R	50



Not available in Germany, Italy and USA.

Profile - SUS Tube  
Stents Module  
Quick Changer  
Grip Module  
Air Nipper  
Vacuum Module  
Accessory Components

# One Finger Angular Pneumatic Grippers (Series GF)

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

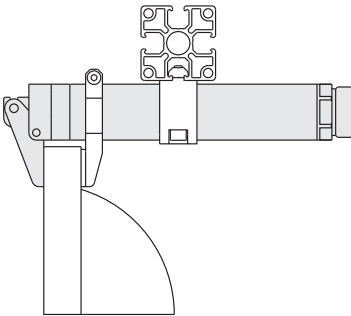
Vacuum Module

Accessory Components

- Single acting.
- Built-in magnetic ring

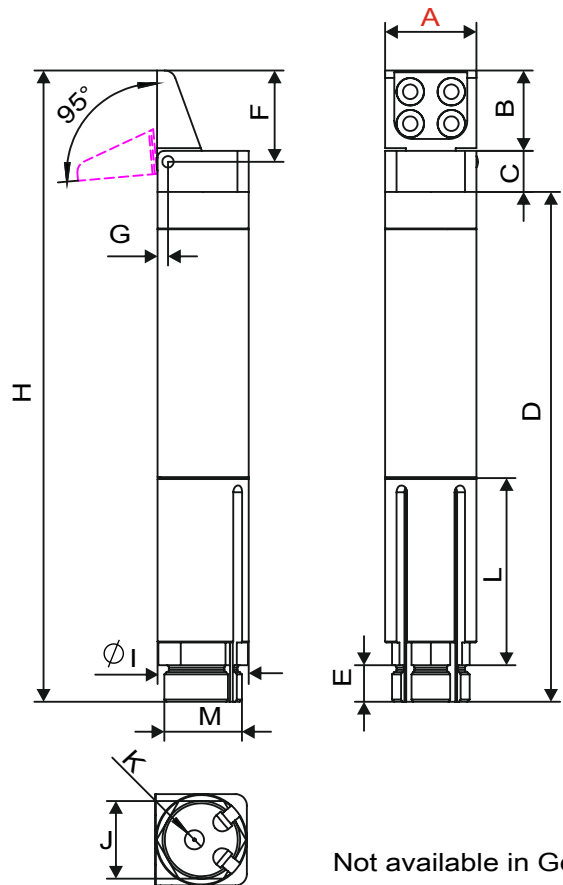


GFR...-95S



PN	8.Y00335
Model	GFR20-95S
Medium	Filtered, lubricated / non lubricated compressed air
Gripper body	Aluminium
Pressure range	2.5 ~ 8 bar
Temperature range	-10 ~ 70 °C.
Stroke	95°
Piston bore	Ø16 mm
Closing torque at 6 bar	70 Ncm
Cycle air consumption	3.52 cm <sup>3</sup>
Weight	89g
Built-in magnetic ring	Yes

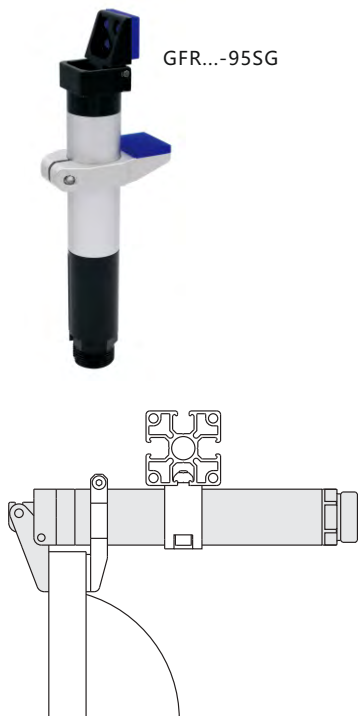
PN	8.Y00335
Model	GFR20-95S
A	20
B	17.5
C	9
D	111.5
E	8
F	20
G	2.3
H	138
I	Ø20
J	17
K	M5
L	41
M	M17×1



Not available in Germany, Italy and USA.

# One Finger Angular Pneumatic Grippers (Series GF)

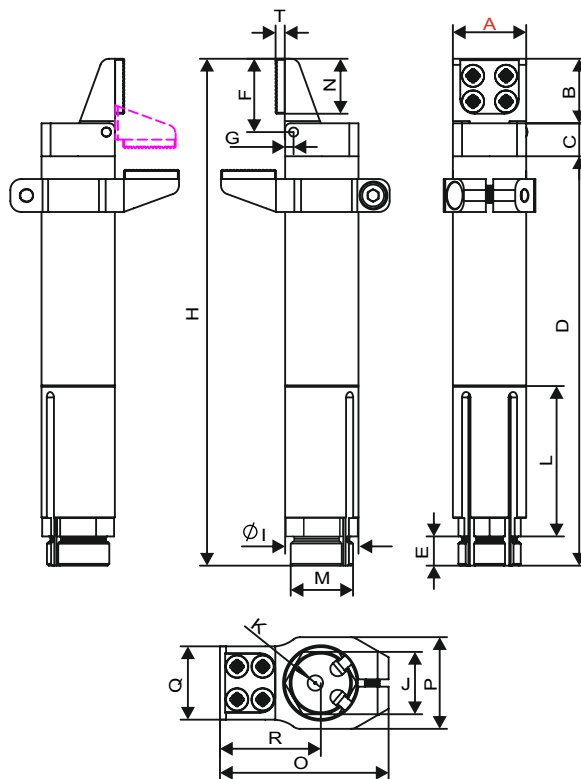
- Single acting.
- Built-in magnetic ring



GFR...-95SG

PN	8.Y00336
Model	GFR20-95SG
Medium	Filtered, lubricated / non lubricated compressed air
Gripper body	Aluminium
Pressure range	2.5 ~ 8 bar
Temperature range	-10 ~ 70 °C.
Stroke	95°
Piston bore	Ø16 mm
Closing torque at 6 bar	70 Ncm
Cycle air consumption	3.52 cm <sup>3</sup>
Weight	103g
Built-in magnetic ring	Yes
PN	4.Y00485
Model	SIL-20G
Applicable Products	GFR20-95EG GFR20-95LG GFR20-95SG

PN	8.Y00336
Model	GFR20-95SG
A	20
B	17.5
C	9
D	111.5
E	8
F	20
G	2.3
H	138
I	Ø20
J	17
K	M5
L	41
M	M17×1
N	15
O	46
P	25
Q	20
R	27.5
T	2.5



Not available in Germany, Italy and USA.

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

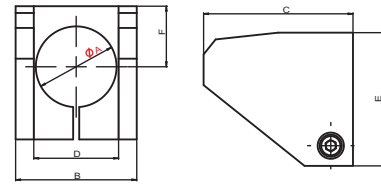
Vacuum Module

Accessory Components

# Finger Gripper Options

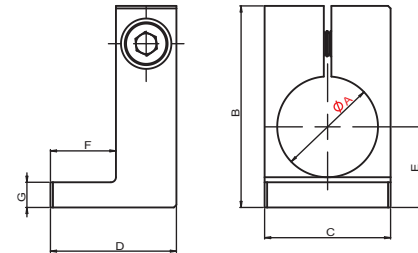
Profile · SUS Tube

PN	7.Y00778	7.Y00779
Model	GP1-20	GP1-30
A(mm)	Ø20	Ø30
B(mm)	30	45
C(mm)	37	65
D(mm)	21	32
E(mm)	33	44
F(mm)	15	20
Weight	20g	60g



Stents Module

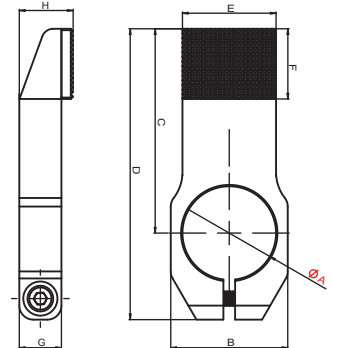
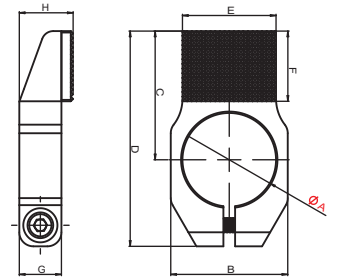
PN	7.Y00780	7.Y00781	7.Y00782
Model	GP2-14	GP2-20	GP2-30
A(mm)	Ø14	Ø20	Ø30
B(mm)	24	35	45
C(mm)	19	25	35
D(mm)	12	25	25
E(mm)	11	16	21
F(mm)	6	13	13
G(mm)	3.5	5	5.5
Weight	5g	14g	23g



Quick Changer

Grip Module

PN	7.Y00783	7.Y00700	7.Y00908	7.Y00785
Model	GP3-14	GP3-20	GP3-20L	GP3-30
A(mm)	Ø14	Ø20	Ø20	Ø30
B(mm)	19	25	25	37
C(mm)	14	20	50	30
D(mm)	32	43.5	68.5	63
E(mm)	19	27.5	20	40
F(mm)	10	9.5	15	12
H(mm)	11	15	11.5	20
G(mm)	6	7	9	9
Weight	6g	12g	19.8g	30g
	Silicone	Silicone	Silicone	POM



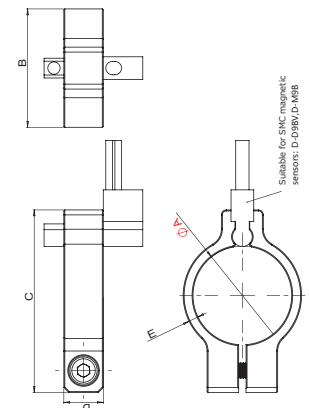
GP3-20L

Air Nipper

Vacuum Module

Accessory Components

PN	7.Y00786	7.Y00787	7.Y00788
Model	GS-14	GS-20	GS-30
A(mm)	Ø14	Ø20	Ø30
B(mm)	18	24	34
C(mm)	30	37	47
D(mm)	8	8	8
E(mm)	2	2	2
Weight	14g	17g	25g



# One Finger Angular Pneumatic Grippers (Series GO)

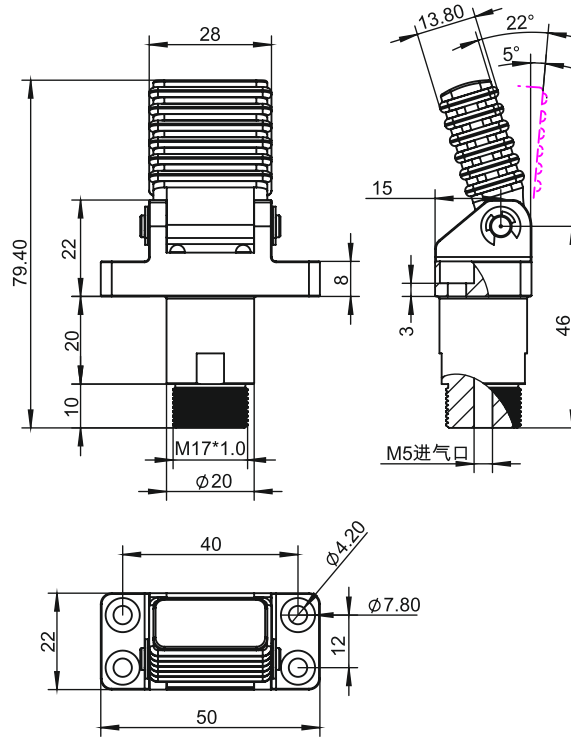
**NEW**



GOF20-20-VMQ

GOF20-20-NBR

Not available in Germany, Italy and USA.



PN	Model	Weight	Heat resistance (in °C)
8.Y00396	GOF20-20-NBR	57.4g	-20 to 80
8.Y00395	GOF20-20-VMQ	57.4g	-40 to 160

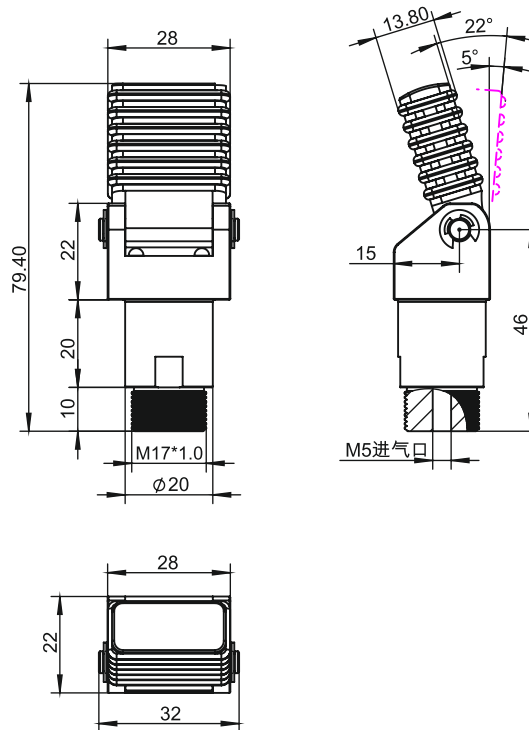
**NEW**



GOP20-20-VMQ

GOP20-20-NBR

Not available in Germany, Italy and USA.



PN	Model	Weight	Heat resistance (in °C)
8.Y00398	GOP20-20-NBR	50g	-20 to 80
8.Y00397	GOP20-20-VMQ	50g	-40 to 160

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

# Optional Magnetic Sensors

The operating position is detected by magnetic proximity sensors (optional) through a magnet placed on the piston.

The use of magnetic proximity sensors is to be avoided in the vicinity of large masses of ferromagnetic material or intense magnetic fields as this may cause detection problems.

The sensors that can be used are:

Profile · SUS Tube

Stents Module

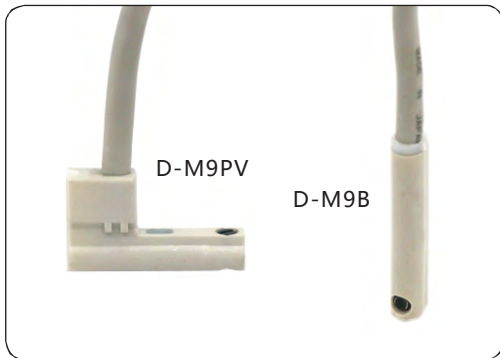
Quick Changer

Grip Module

Air Nipper

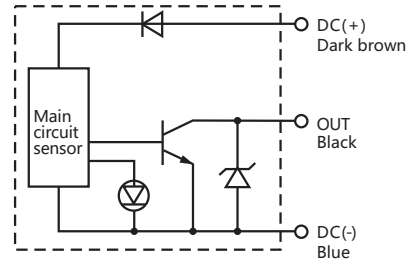
Vacuum Module

Accessory Components

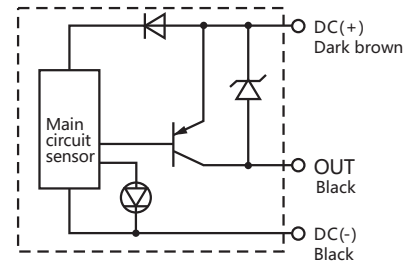


PN	1.Y00293
Model	D-MQ

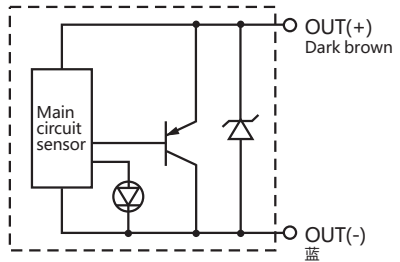
## D-M9N·M9NV



## D-M9P·M9PV



## D-M9B·M9BV



PN	Model	Type	L(mm)
1.Y00310	D-M9B	NPN	0.5m/0.5m
1.Y00307	D-M9BL		cable3.0m/3m cable
1.Y02565	D-M9BV	NPN	0.5m/0.5m
1.Y03843	D-M9BVL		cable3.0m/3m cable
1.Y00311	D-M9N	NPN	0.5m/0.5m
1.Y00295	D-M9NL		cable3.0m/3m cable
1.Y00298	D-M9NV	NPN	0.5m/0.5m
1.Y03598	D-M9NVL		cable3.0m/3m cable
1.Y00309	D-M9P	PNP	0.5m/0.5m
1.Y02301	D-M9PL		cable3.0m/3m cable
1.Y00296	D-M9PV	PNP	0.5m/0.5m
1.Y02964	D-M9PVL		cable3.0m/3m cable

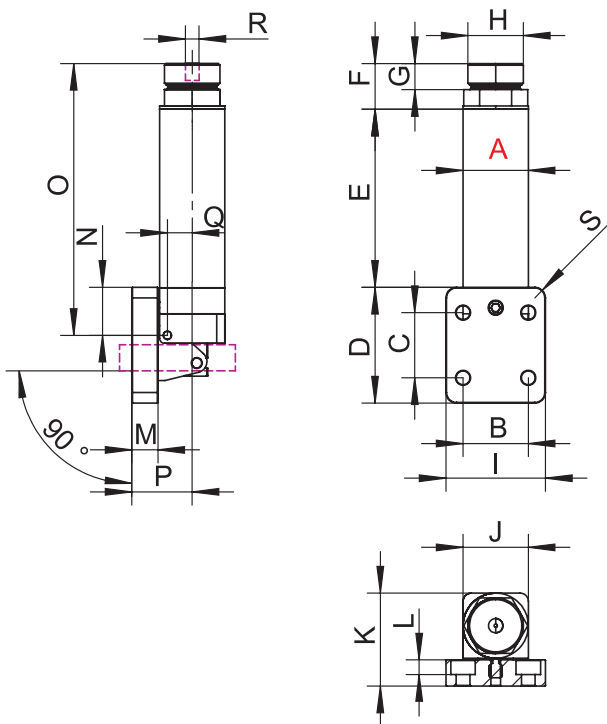


# Min Posture Gripper

- 90° rotation.
- Single-acting.
- Lifting by compressed air, spring reset.
- Several mounting accessories.
- Optional magnetic sensors.



PN	8.Y00094	8.Y00116
Model	GFN20-90	GFN30-90
Medium	Filtered, lubricated / non lubricated compressed air	
Pressure range	2 ~ 8 bar	2 ~ 8 bar
Temperature range	-10 ~ 70 °C.	-10 ~ 70 °C.
Tilt angle	90°	90°
Lift torque at 6 bar	120 Ncm	300 Ncm
Weight	65g	210g



PN	8.Y00094	8.Y00116
Model	GFN20-90	GN30-90
A	Ø20	Ø30
B	20	25
C	20	25
D	35.5	46
E	54.6	81.5
F	14	19
G	8	11
H	17	M27*1
I	30.5	37
J	20	30
K	28.5	40
L	4.5	5.5
M	8	10
N	14.74	18.5
O	83.34	119
P	18.5	25
Q	7.6	11
R	M5	M5
S	3.25	3

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components