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An International Excellent Enterprise



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CRG

ROBOTICS PARTS CATALOG 4.0

Complex gripper, flexible assembly



4.0

ROBOTICS PARTS CATALOG





CRG has been involving in EOAT design, development, sale and service. We have been operating in the field of injection automation for more than ten years. Base on module design concept, to makes automation design simpler、 more flexible and more reliable.



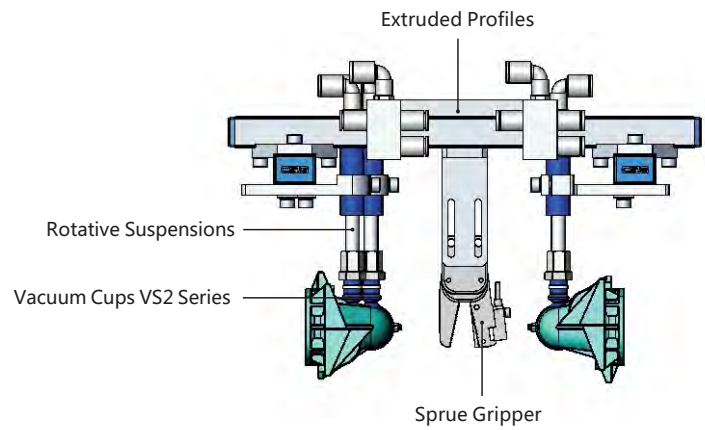
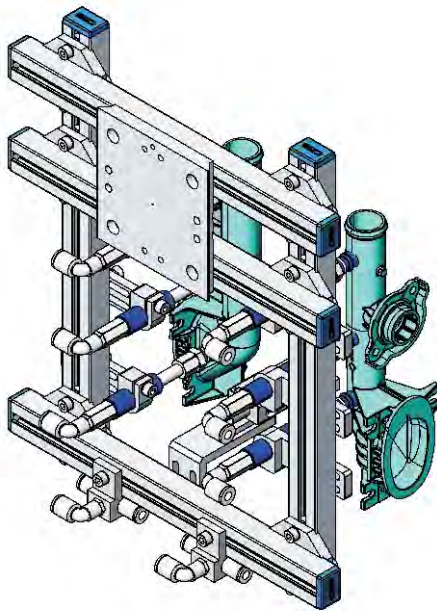
An innovative enterprise; a company specializing in automation technology; a trusted partner.

Operation Concept :Repeating simple things , you are the expert. Repeating what you do attentively,and you will be the winner.

Sales Idea :To provide customers with the best service, so that customers worry free.

Application examples

Base Frame



Product Description:

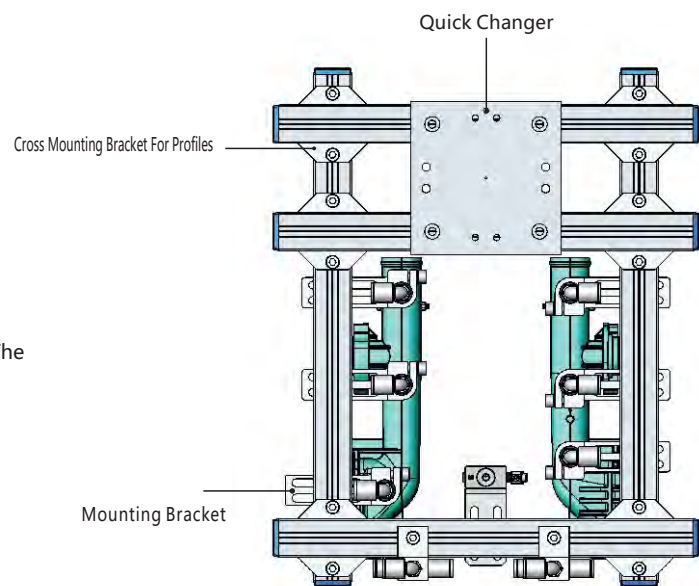
Two caves in one mold.

Take product out with vacuum cup;

Take sprue gate out with sprue gripper.

Gas circuit divides into two suction and one gripping. The

weight is about 2 kg.



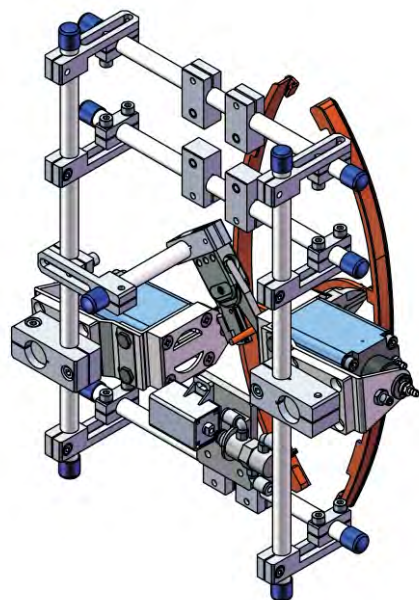
BOM List

(Product Name)	(PN)	(Model)	(Quantity)	(Product Name)	(PN)	(Model)	(Quantity)
Quick Changer	7.Y00175	QCS-G100	1	Rotative Suspensions	8.Y00061	VFR1421-G18	6
Sprue Gripper	8.Y00050	GR12-12-CP	1	Mounting Bracket	7.Y00200	SMBE1-1440T	6
Plugs for profile	4.Y00069	PEP2518	10	Connector	1.Y02510	APF-M5	2
Cross Mounting Bracket For Profiles	7.Y00194	SMBA-2525T	6	Side Manifold Block	7.Y00157	SMB-06M5	2
Extruded Profiles	4.Y00455	PEP2518-1000	2	L-type Threaded Hose Fitting	1.Y02722	APL6-01	8
Vacuum Cups VS2 Series	1.Y03085	VS2-SA11	6	Straight Threaded Hose Fitting	1.Y02725	APC6-01	6
Vacuum Cup Fitting	7.Y00703	VM-02-G18	6				

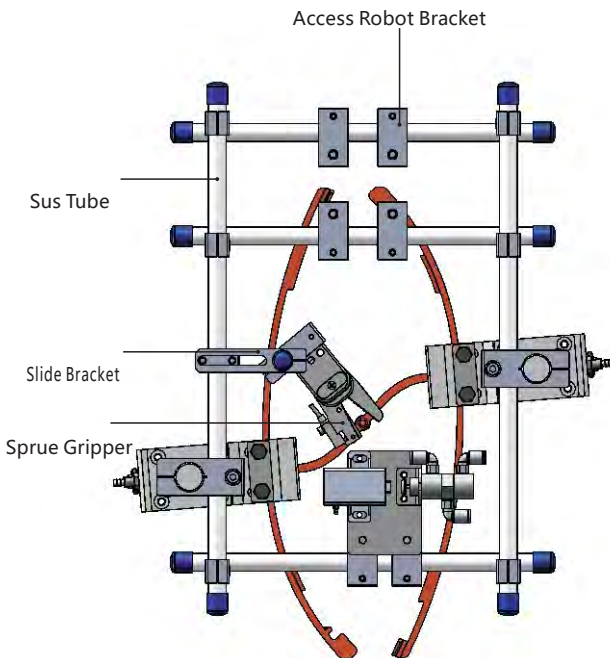
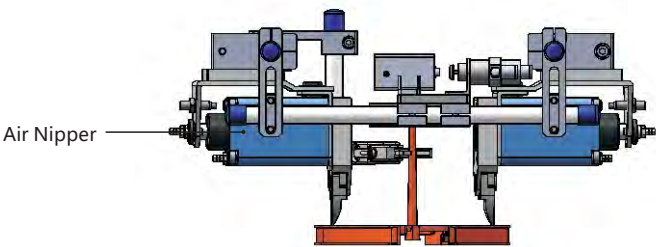
The list contains only CRG standard parts.

Application examples

Base Frame



Product Description:
Two cavities in one mould; Taking products out and clamping the sprue by sprue gripper.
The weight is about 1.5 kg.



BOM List

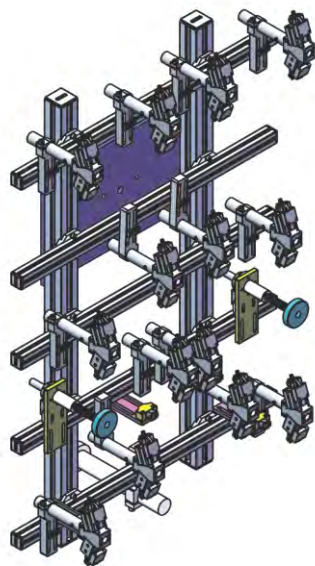
(Product Name)	(PN)	(Model)	(Quantity)
Sus Tube	4.Y00021	PST12-1500	2
Air Nipper	1.Y00004	GT-NY25	2
Straight blades for plastic	1.Y00037	NY25AJ	2
Fixing Block	7.Y00633	SCE2-25	2
Tube Plugs	1.Y03638	PST12-1500	11
Cross Connector	7.Y00027	SMBT-2012	2

(Product Name)	(PN)	(Model)	(Quantity)
Access Robot Bracket	7.Y00002	SMBH1-12M6	6
L-type Threaded Hose Fitting	1.Y02809	APL6-M5	3
Slide Bracket	7.Y00004	SCF4-1240W16	7
Slide Bracket	7.Y00001	SMBS-12T16	7
Sprue Gripper	8.Y00091	GR12-12-CN	1
Cross Connector	7.Y00020	SMBT-1212	1

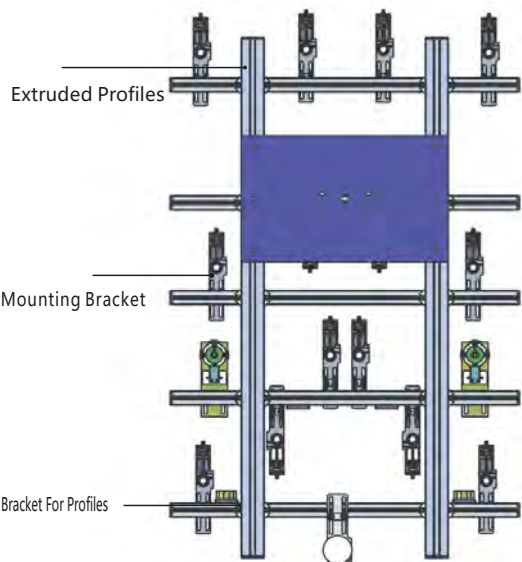
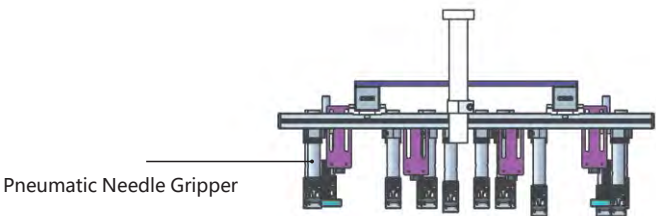
The list contains only CRG standard parts.

Application examples

Base Frame



Product Description:
Two cavities in one mould; Take out or embed the insert (Non-woven bafric) by pneumatic needle gripper;
The gas circuit is divided into two paths; one cavity is one path.
Weight: 7 kg



BOM List

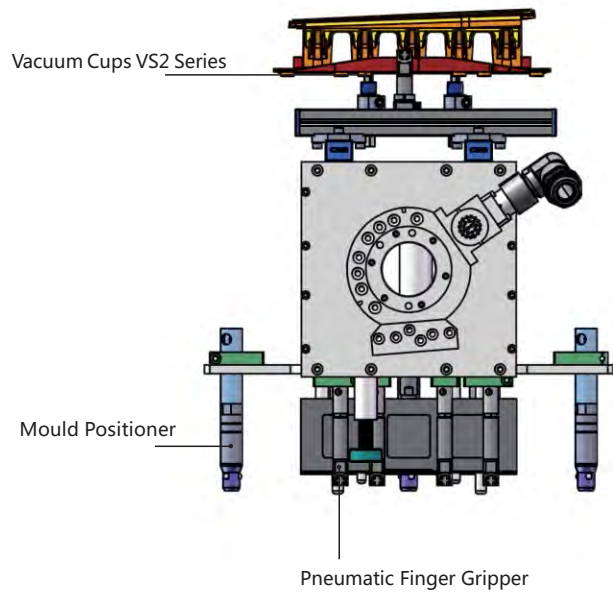
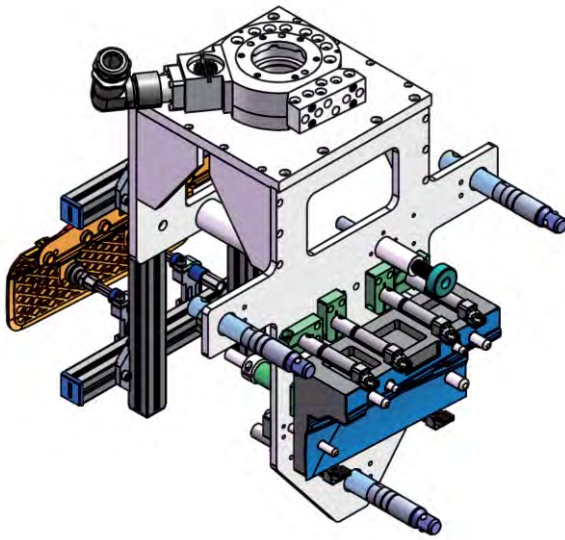
(Product Name)	(PN)	(Model)	(Quantity)
Extruded Profiles	4.Y00052	PEP4040-1000	2
Plugs for profile	4.Y00072	PEP4040	4
Extruded Profiles	4.Y00481	PEP2525-1500	2
Extruded Profiles	4.Y00481	PEP2525-1000	1
Plugs for profile	4.Y00070	PEP2525	10

(Product Name)	(PN)	(Model)	(Quantity)
Cross Mounting Bracket For Profiles	7.Y00356-T	SMBA-2540T	10
Pneumatic Needle Gripper	8.Y00025	GN2010	14
Mounting Bracket	7.Y00308-T	SMBE2-2060T	14
Mounting Bracket	7.Y00309-T	SMBE2-3060T	1

The list contains only CRG standard parts.

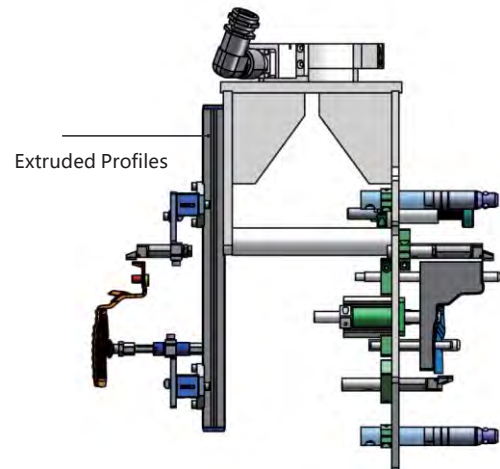
Application examples

Base Frame



Product Description:

One cavity in one mould; Take out on one side ; embed on the other side;One side: Taken out by vacuum cup and one finger angular pneumatic gripper; The gas circuit is divided into two paths including vacuum cups and one finger angular pneumatic gripper; The other side: Profile modeling; Take out or embed by one finger angular pneumatic gripper; The gas circuit is divided into three paths including path of cylinder, path of one finger angular pneumatic gripper and path of mould positioner; Weight: 9Kg



BOM List

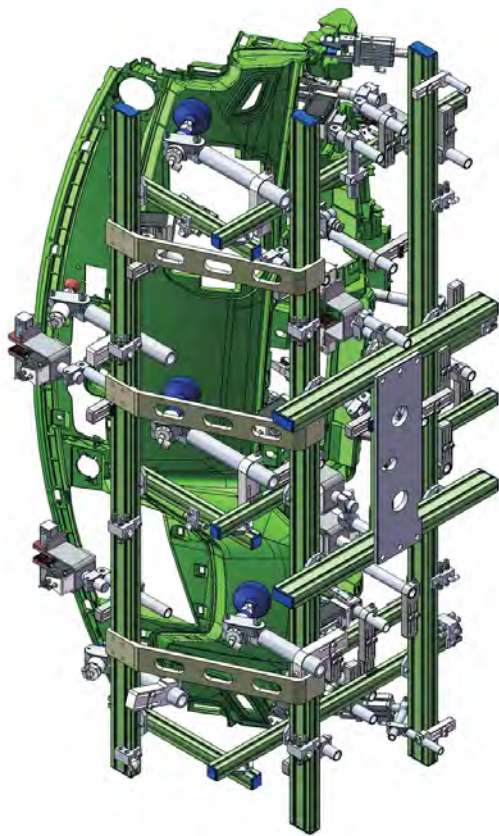
(Product Name)	(PN)	(Model)	(Quantity)
Extruded Profiles	4.Y00481	PEP2525-1500	1
Plugs for profile	4.Y00070	PEP2525	8
Mould Positioner	8.Y00088	GMP20A	3
Vacuum Cups VS2 Series	1.Y05310	VS2-SA20	2
Rotative Suspensions	8.Y00061	VFR1421-G18	2

(Product Name)	(PN)	(Model)	(Quantity)
Pneumatic Finger Gripper	8.Y00084	GFR14-95G	7
Extension Tube	7.Y00733	SMBY14-50	6
Mounting Bracket	7.Y00200-T	SMBE1-1440T	3
Cross Mounting Bracket For Profiles	7.Y00194-T	SMBA-2525T	4
Vacuum Cup Fitting	7.Y00703	VM02-G18	2

The list contains only CRG standard parts.

Application examples

Base Frame



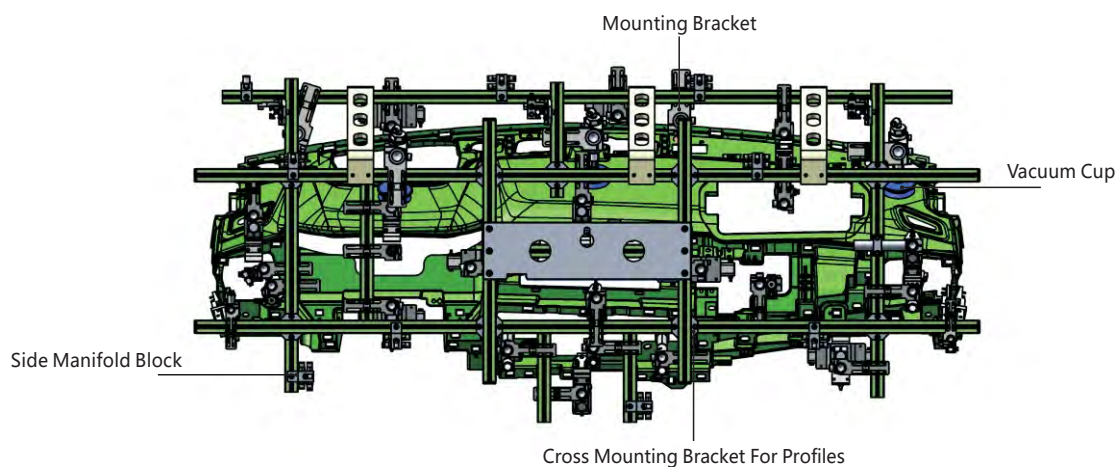
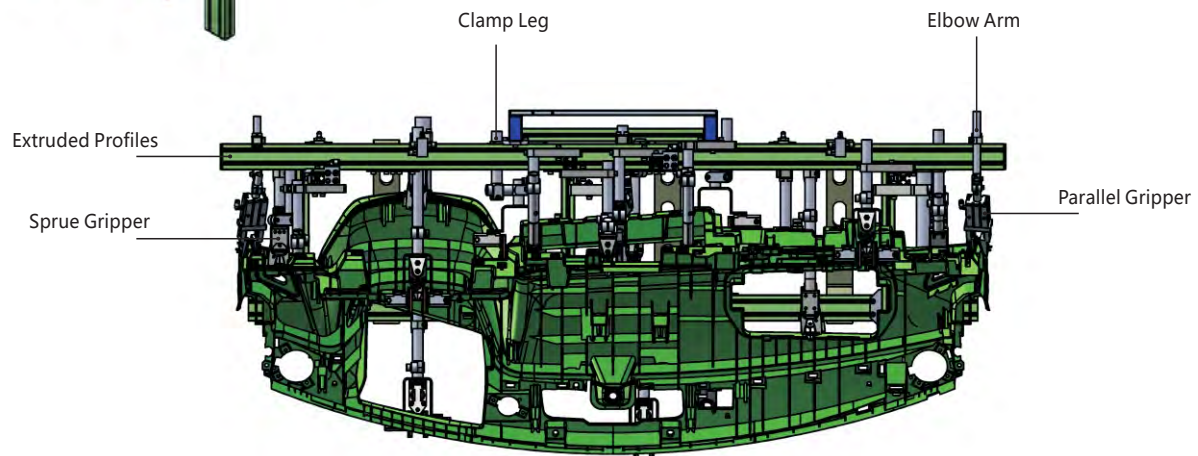
Product Description:

Name of fixture: Fixture of take out for instrument panel Machine
tonnage: 2700T

Weight of fixture: 25kg

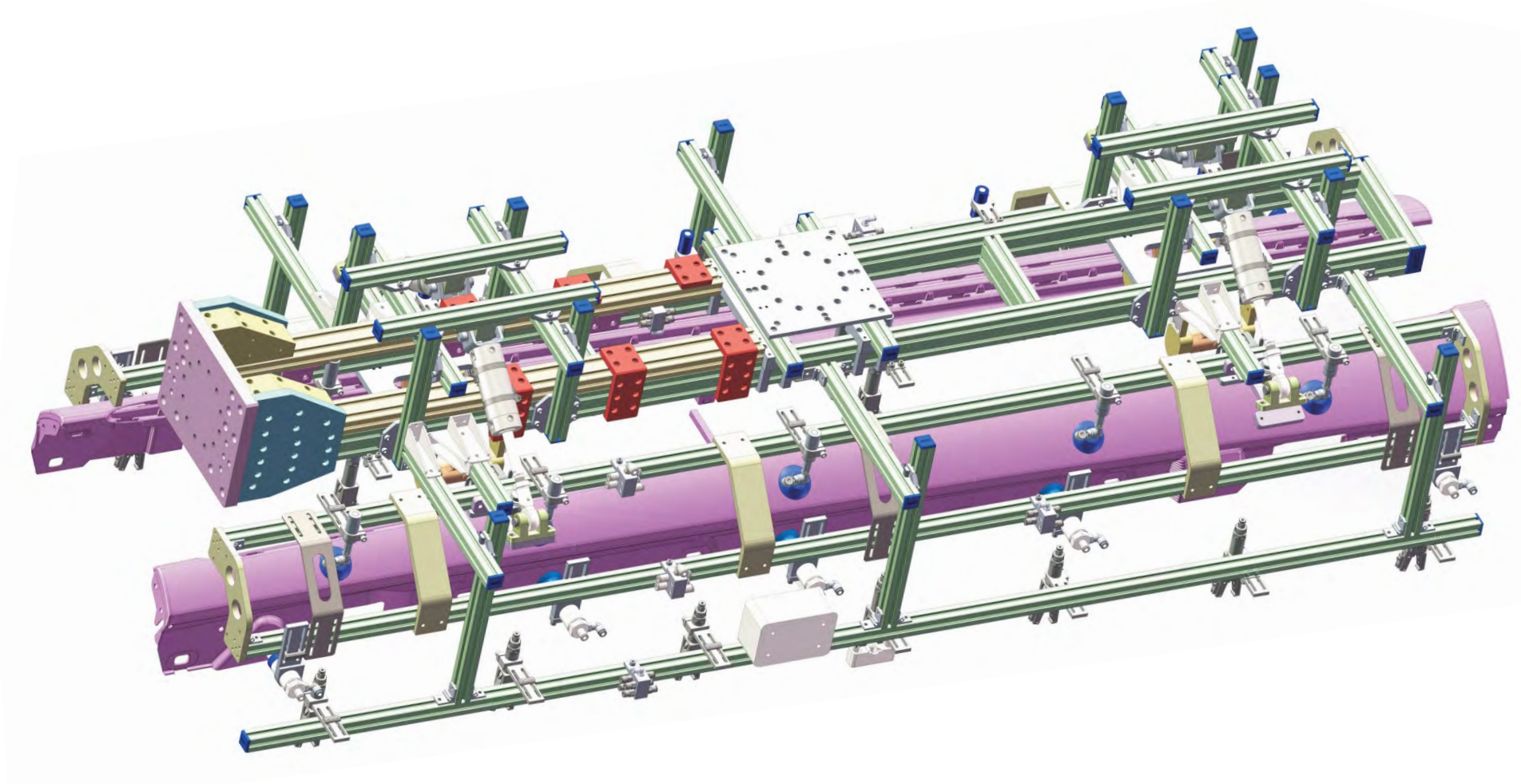
Sprue quantity: 11

Due to the short molding cycle, the product needs to be taken out and cut in the mold, and the shear accuracy is required to be within 0.3mm. The fixture adopts non-marking suction cups, the clamp interface adopts soft rubber pad, and the angle can be adjust by multifunctional to make elbow arm complete the clamping.

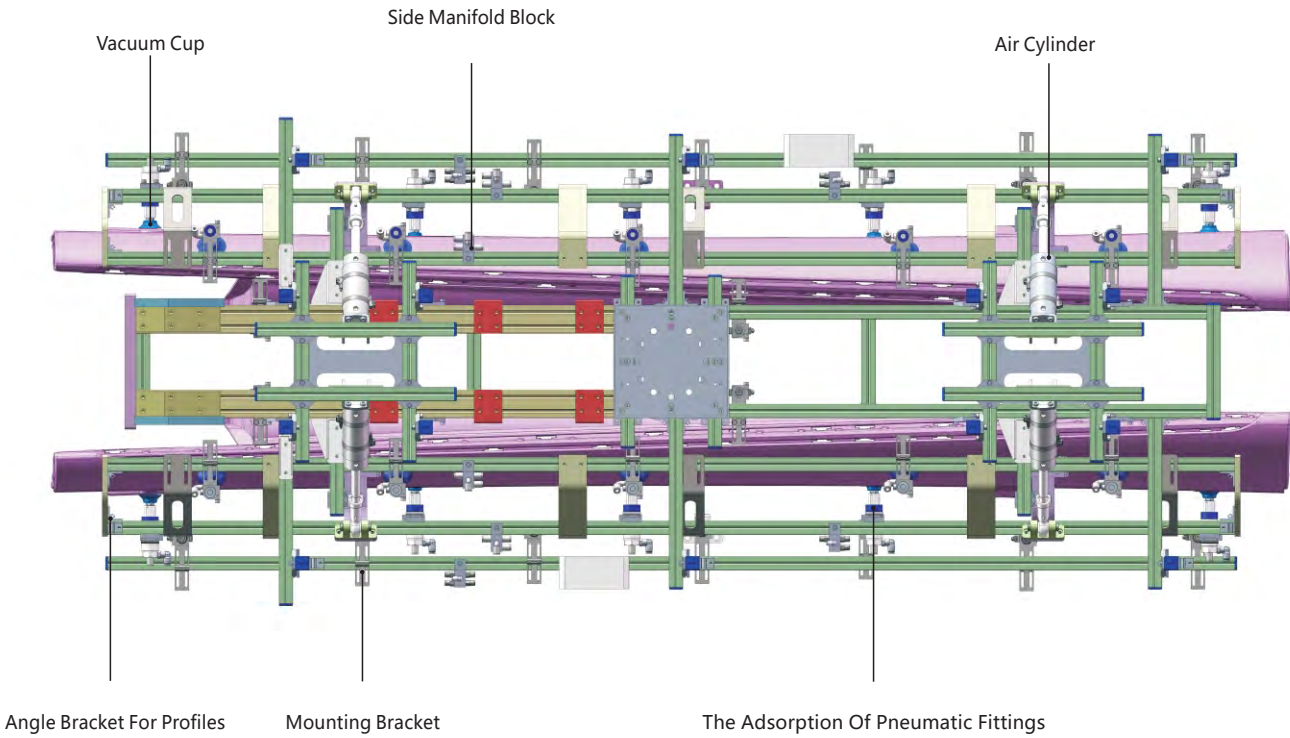
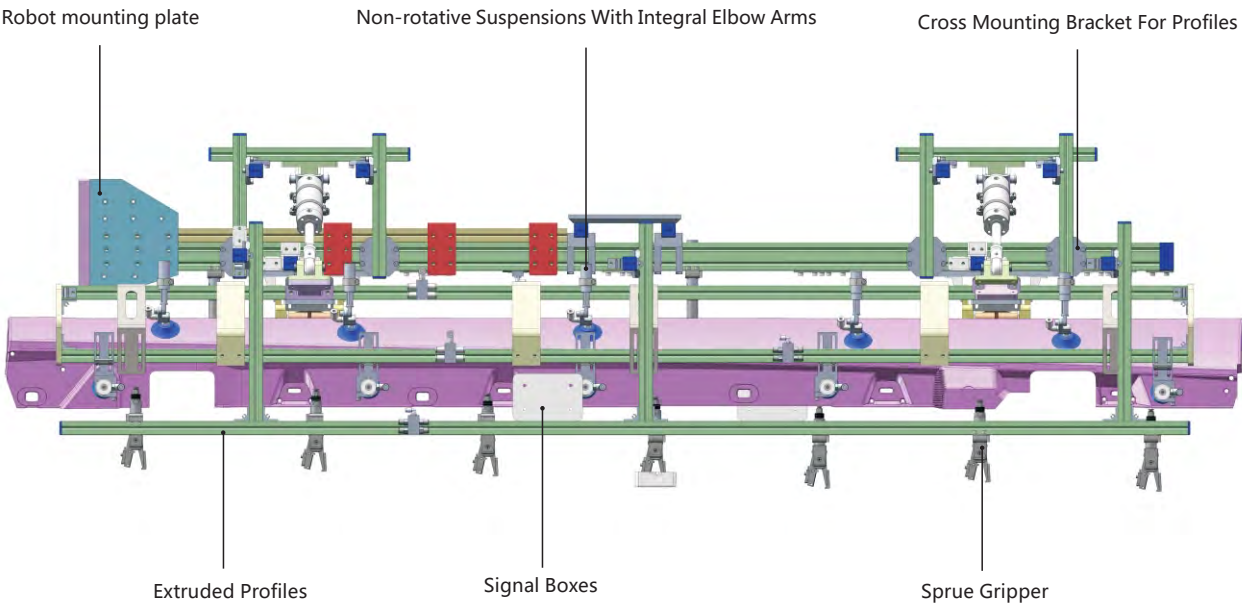


Application examples

Base Frame



Product Description:
Tool Name: Fixture of take out for car threshold strip
Machine tonnage: 2700T
Weight of fixture: 80kg
Sprue quantity: 14
The car threshold strip is divided into left and right parts. There has long under-cut in the product which can not be taken out horizontally after being ejected. The product is absorbed by non-marking suction cup, and the fixture has the function of rotation, so the product can be taken out smoothly.



Application examples

Base Frame

Product Description:

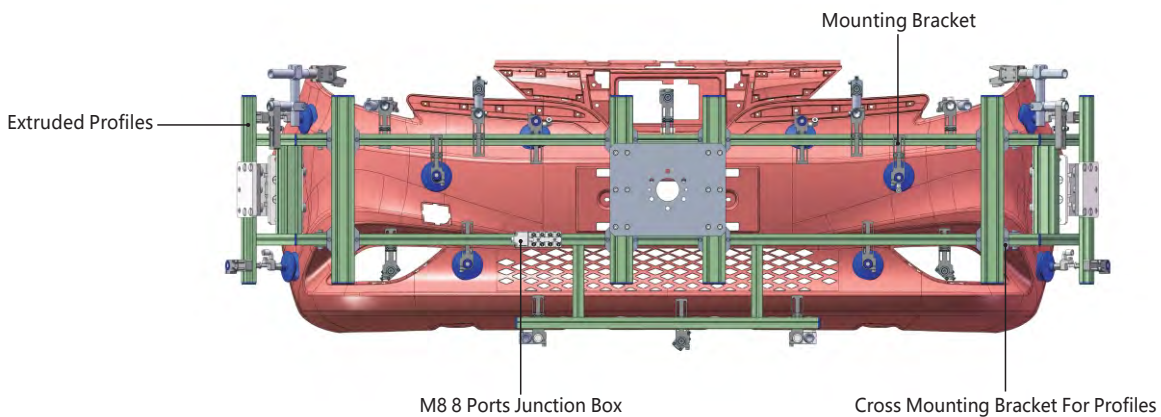
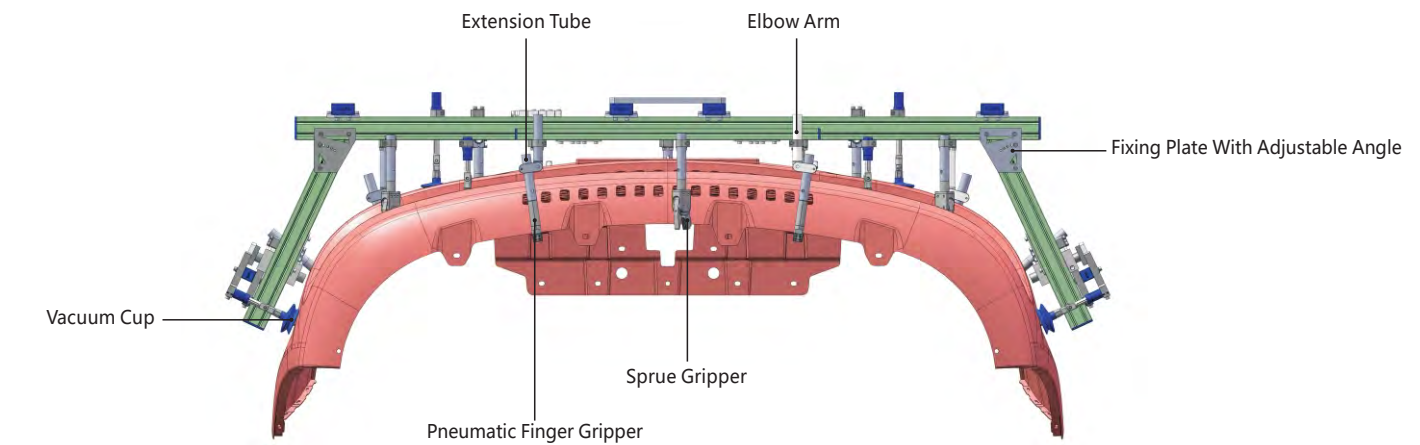
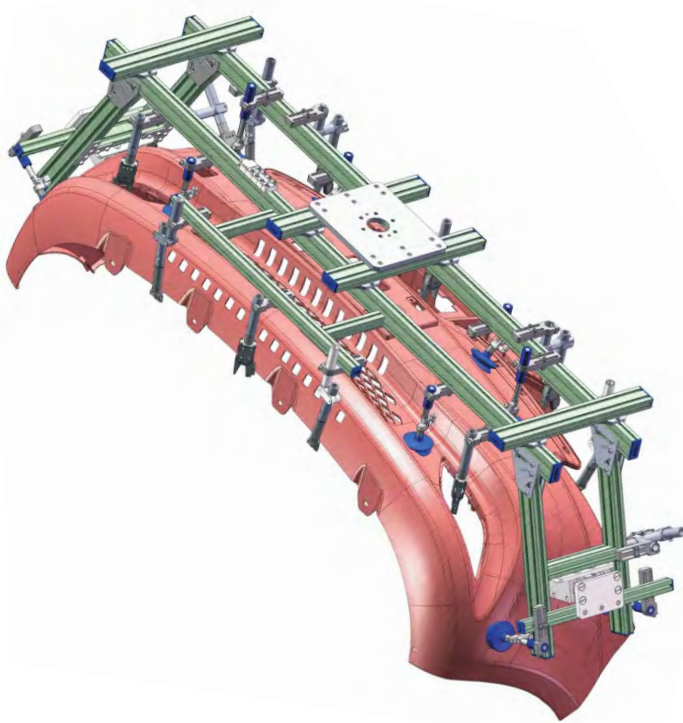
Fixture Name: Fixture of take out for bumper

Machine tonnage: 1800T

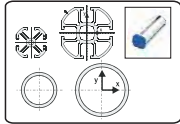
Weight of fixture: 20kg

Sprue quantity: 8

It needs to be equipped with cylinder to pulling from side because the product can't be demoulding smoothly. The contact surface of the product adopts non-marking suction cup, the clamp interface adopts soft rubber pad, and the angle can be adjust by multifunctional to make elbow arm complete the clamping.



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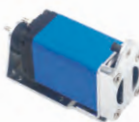
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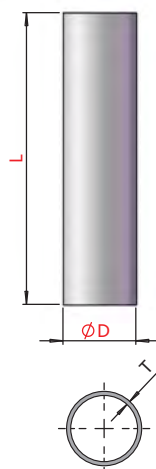


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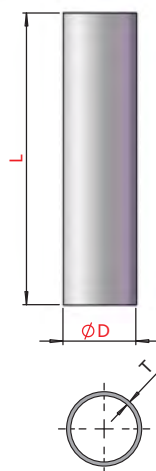
Sus Tube



Tube plugs

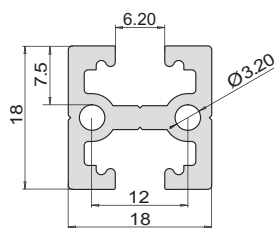
PN	Model	D(mm)	L(mm)	T(mm)	Weight	Plugs
4.Y00040	PST8-1500	Ø8	1500	0.6	215g	1.Y03375(red)
4.Y00021	PST12-1500	Ø12	1500	0.6	339g	1.Y03636(grey) 1.Y03638(blue) 1.Y03640(black)
4.Y00022	PST20-1500	Ø20	1500	0.8	560g	1.Y03637(grey) 1.Y03639(blue) 1.Y03641(black)

Aluminium Tube

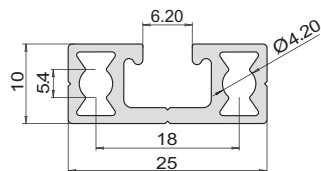


PN	Model	D(mm)	L(mm)	T(mm)	Weight
4.Y00468	PAT20-1000	Ø20	1000	2	308g
4.Y00469	PAT30-1000	Ø30	1000	2.5	558g

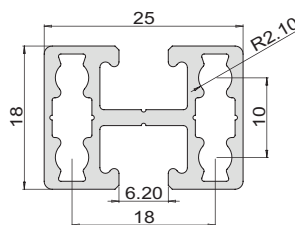
Extruded Profiles



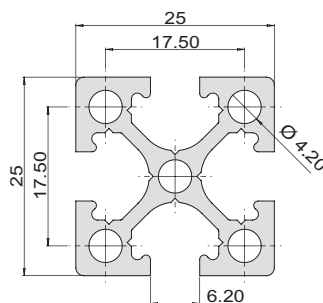
PEP1818



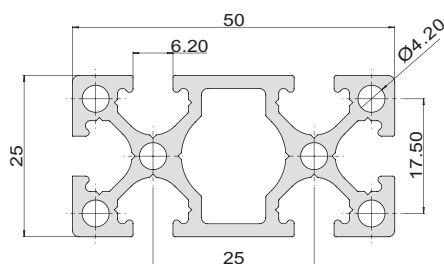
PEP2510



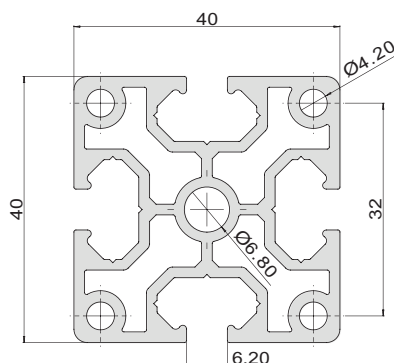
PEP2518



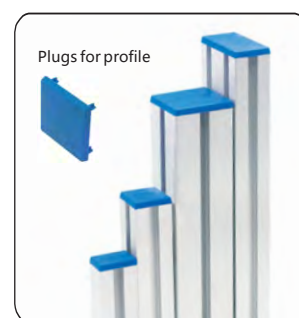
PEP2525



PEP5025

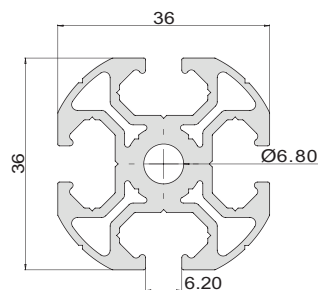
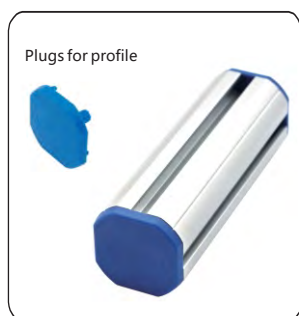


PEP4040



PN	Model	Length	Weight	Plugs PN	Plugs Model
4.Y00075	PEP1818-1000	1.0m	425g	4.Y00517	P1818
4.Y00076	PEP2510-1000	1.0m	310g	4.Y00518	P2510
4.Y00455	PEP2518-1000	1.0m	400g	4.Y00069	P2518
4.Y00050	PEP2525-1000	1.0m	610g	4.Y00070	P2525
* 4.Y00051	PEP2525-2000	2.0m	1220g		
4.Y00056	PEP5025-1000	1.0m	1040g	4.Y00071	P5025
* 4.Y00057	PEP5025-2000	2.0m	2080g		
4.Y00052	PEP4040-1000	1.0m	1300g	4.Y00072	P4040
* 4.Y00053	PEP4040-2000	2.0m	2600g		

* Optional



PEP-3636

PN	Model	Length	Weight	Plugs PN	Plugs Model
4.Y00054	PEP3636-1000	1.0m	1168g		
4.Y00484	PEP3636-1500	1.5m	1752g	4.Y00073	P3636
* 4.Y00055	PEP3636-2000	2.0m	2336g		

* Optional

T-Nuts

Profile - SUS Tube

Stents Module

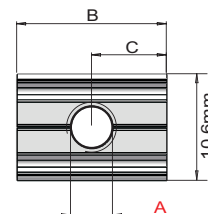
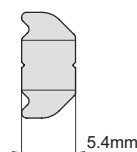
Quick Changer

Grip Module

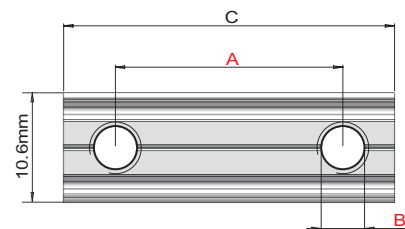
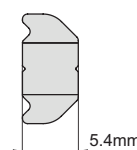
Air Nipper

Vacuum Module

Accessory Components



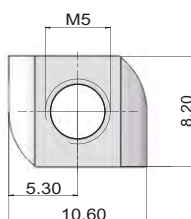
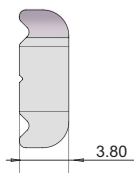
PN	Model	A(mm)	B(mm)	C(mm)	Weight
7.Y00651	PTN-M4	M4	15	7.5	5g
7.Y00425	PTN-M5	M5	15	7.5	5g
7.Y00652	PTN-M6	M6	15	7.5	5g



PN	Model	A(mm)	B(mm)	C(mm)	Weight
7.Y00653	PTN-M4P8	8	M4	16	5g
7.Y00654	PTN-M5P10	10	M5	20	7g
7.Y00655	PTN-M5P15	15	M5	25	9g
7.Y00656	PTN-M5P17	17	M5	25	9g
7.Y00657	PTN-M5P22	22	M5	32	11g
7.Y00658	PTN-M5P25	25	M5	35	13g
7.Y00659	PTN-M5P28	28	M5	38	14g
7.Y00660	PTN-M5P30	30	M5	40	15g
7.Y00661	PTN-M5P35	35	M5	45	16g
7.Y00662	PTN-M5P40	40	M5	50	18g
7.Y00663	PTN-M5P50	50	M5	60	22g
7.Y00664	PTN-M5P60	60	M5	70	26g
7.Y00665	PTN-M5P90	90	M5	100	38g

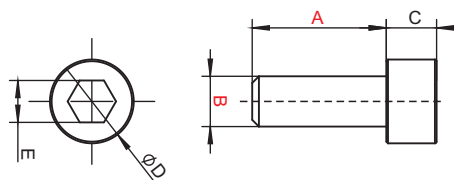
Last-Minute Nut

To be used when you need to add something to an already assembled EOAT.



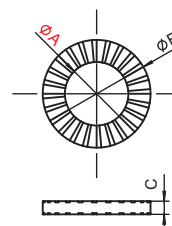
PN	Model	Weight
7.Y00805	PTN-M5R	2g

Sus Screws



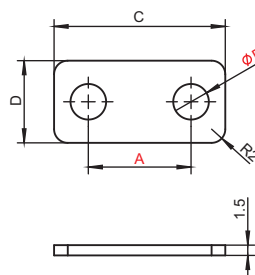
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Weight
1.Y03908	PTC-M4L10	10					1.6g
1.Y03848	PTC-M4L12	12					1.8g
1.Y02752	PTC-M4L14	14	M4	4	6.8	3.2	1.9g
1.Y04073	PTC-M4L16	16					2.0g
1.Y05846	PTC-M4L18	18					2.1g
1.Y04294	PTC-M5L10	10					2.9g
1.Y03850	PTC-M5L12	12					3.1g
1.Y04528	PTC-M5L14	14					3.3g
1.Y03849	PTC-M5L16	16					3.6g
1.Y03909	PTC-M5L20	20	M5	5	8.3	4.1	4.0g
1.Y06257	PTC-M5L22	22					4.3g
1.Y03851	PTC-M5L25	25					4.7g
1.Y04469	PTC-M5L30	30					5.3g
1.Y04580	PTC-M5L35	35					5.9g
1.Y05391	PTC-M5L60	60					10.0g
1.Y04288	PTC-M6L10	10					4.0g
1.Y03910	PTC-M6L12	12	M6	6	10	5.3	4.6g
1.Y04153	PTC-M6L14	14					5.2g
1.Y02753	PTC-M6L16	16					5.5g

Single Hole Shim



PN	Model	A(mm)	B(mm)	C(mm)
1.Y03853	PTS-M4	4.5	7	0.45
1.Y03852	PTS-M5	5.5	9	0.55
1.Y03854	PTS-M6	6.5	10	0.65

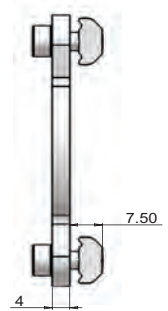
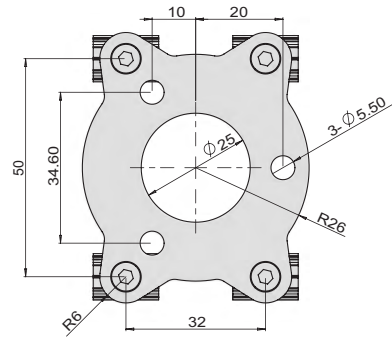
Double Holes Shim



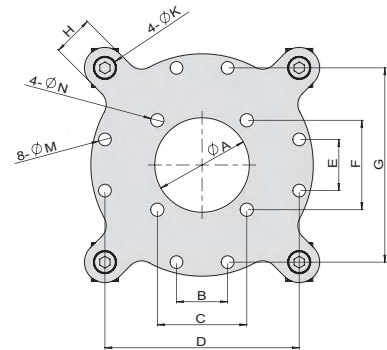
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)
4.Y00522	PTD-M4P8	8	4.5	16	12
4.Y00523	PTD-M5P10	10	5.5	20	12
4.Y00524	PTD-M5P15	15	5.5	25	12
4.Y00525	PTD-M5P17	17	5.5	25	12
4.Y00526	PTD-M5P22	22	5.5	32	12
4.Y00527	PTD-M5P25	25	5.5	35	12

Interface

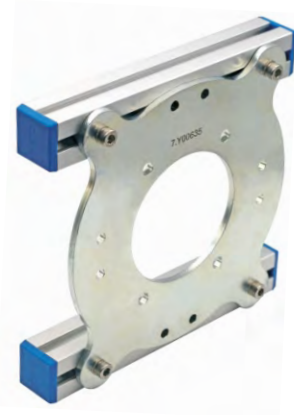
SIP-50BT 7.Y00650-T



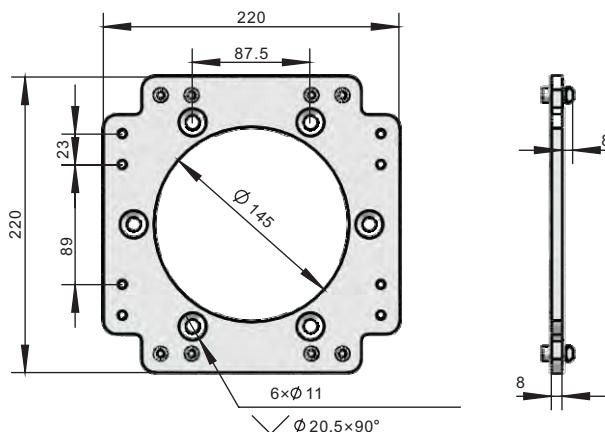
PN	7.Y00650
Model	SIP-50B
QC-G...	QC-G50
T	4mm
Screws	PTC-M5L12*4
Single hole shim	PTS-M5*4
T-Nuts	PTN-M5*4
Weight	90g



PN	7.Y00634	7.Y00635
Model	SIP-90B	SIP-160B
A(mm)	Ø37	Ø70
B(mm)	20	20
C(mm)	35	74
D(mm)	76	130
E(mm)	20	20
F(mm)	35	52
G(mm)	76	110
H(mm)	16	24
M(mm)	Ø5	Ø5
N(mm)	Ø5.2	Ø6.2
K(mm)	Ø5.3	Ø5.3
T(mm)	3	4
QC-G...	QC-G90	QC-G160
Accessories selection		
Screws	PTC-M5L12*4	PTC-M5L12*4
Single hole shim	PTS-M5*4	PTS-M5*4
T-Nuts	PTN-M5*4	PTN-M5*4
Weight	190g	540g

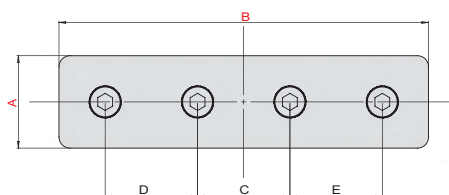
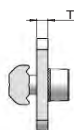


SIP-200BT 7.Y00865-T



Straight Fixing Plate

SFP-S2550 **T** 7.Y00641-**T**

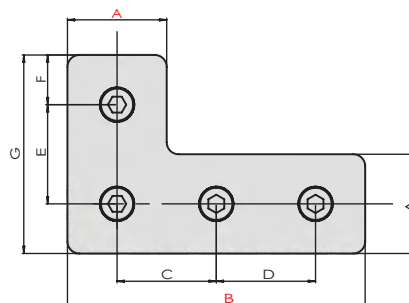


PN	7.Y00641	7.Y00642	7.Y00643
Model	SFP-S2550	SFP-S25100	SFP-S40160
A(mm)	25	25	40
B(mm)	50	100	160
C(mm)	25	25	40
D(mm)	-	25	40
E(mm)	-	25	40
T(mm)	3	3	3
PEP2510	√	√	-
PEP2518	√	√	-
PEP2525	√	√	-
PEP5025	√	√	-
PEP4040	-	-	√
Screws	PTC-M5L12*2	PTC-M5L12*4	PTC-M5L12*4
Single hole shim	PTS-M5*2	PTS-M5*4	PTS-M5*4
T-Nuts	PTN-M5*2	PTN-M5P25*2	PTN-M5P40*2
Weight	45g	95g	195g



L-shaped Fixing Plate (Kit With Screws Option)

SFP-L2550 **T** 7.Y00647-**T**

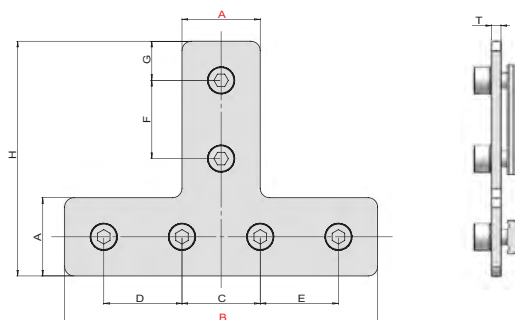


PN	7.Y00647	7.Y00648	7.Y00649
Model	SFP-L2550	SFP-L2575	SFP-L40120
A(mm)	25	25	40
B(mm)	50	75	120
C(mm)	25	25	40
D(mm)	-	25	40
E(mm)	25	25	40
F(mm)	12.5	12.5	20
G(mm)	50	50	80
T(mm)	3	3	3
PEP2510	√	√	-
PEP2518	√	√	-
PEP2525	√	√	-
PEP5025	√	√	-
PEP4040	-	-	√
Accessories selection			
Screws	PTC-M5L12*3	PTC-M5L12*4	PTC-M5L12*4
Single hole shim	PTS-M5*3	PTS-M5*4	PTS-M5*4
T-Nuts	PTN-M5*1	PTN-M5P25*2	PTN-M5P40*2
Weight	70g	95g	200g



T-shaped Fixing Plate

SFP-T2550 **T** 7.Y00644-**T**



PN	7.Y00644	7.Y00645	7.Y00646
Model	SFP-T2550	SFP-T25100	SFP-T40120
A(mm)	25	25	40
B(mm)	50	100	120
C(mm)	25	25	90
D(mm)	-	25	-
E(mm)	-	25	-
F(mm)	25	25	40
G(mm)	12.5	12.5	15
H(mm)	75	75	110
T(mm)	3	3	3
PEP2510	✓	✓	-
PEP2518	✓	✓	-
PEP2525	✓	✓	-
PEP5025	✓	✓	-
PEP4040	-	-	✓

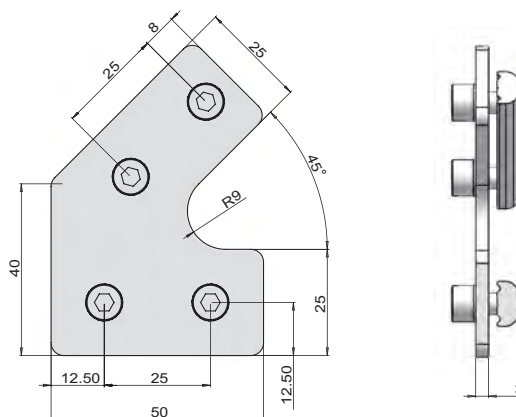
Accessoirier selection

Screws	PTC-M5L12*4	PTC-M5L12*6	PTC-M5L12*4
Single hole shim	PTS-M5*4	PTS-M5*6	PTS-M5*4
T-Nuts	PTN-M5P25*2	PTN-M5P25*3	PTN-M5P40*1 PTN-M5P90*1
Weight	95g	145g	250g



45° Fixing Plate

SFP-50 **T** 7.Y00636-**T**



PN	7.Y00636
Model	SFP-50
QC-G...	QC-G50
T	3mm

Accessoirier selection

Screws	PTC-M5L12*4
Single hole shim	PTS-M5*4
T-Nuts	PTN-M5P25*2
Weight	100g



Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

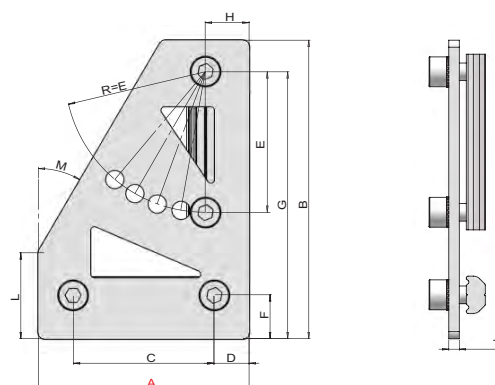
Air Nipper

Vacuum Module

Accessory Components

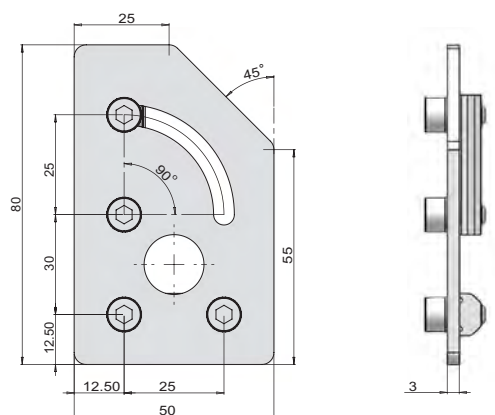
Fixing Plate With Adjustable Angle

SFP-A60T 7.Y00637-T



PN	7.Y00637	7.Y00638	7.Y00639
Model	SFP-A60	SFP-A90	SFP-A70
A(mm)	60	90	70
B(mm)	85	95	100
C(mm)	40	60	50
D(mm)	10	15	10
E(mm)	40	50	40
F(mm)	12.5	12.5	20
G(mm)	76	86	90
H(mm)	12.5	12.5	20
L(mm)	25	25	40
M(mm)	30°	30°	27°
T(mm)	3	3	3
PEP2510	√	√	-
PEP2518	√	√	-
PEP2525	√	√	-
PEP5025	√	√	-
PEP4040	-	-	√

Screws	PTC-M5L12*4	PTC-M5L12*5	PTC-M5L12*4
Single hole shim	PTS-M5*4	PTS-M5*5	PTS-M5*4
T-Nuts	PTN-M5P40*2	PTN-M5P50*1 PTN-M5P60*1	PTN-M5P40*1 PTN-M5P50*1
Weight	130g	215g	175g



PN	7.Y00640
Model	SFP-A50
QC-G...	QC-G50
T	3mm

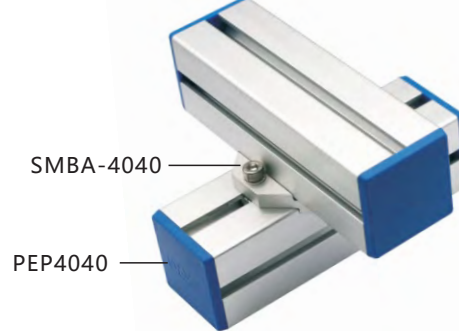
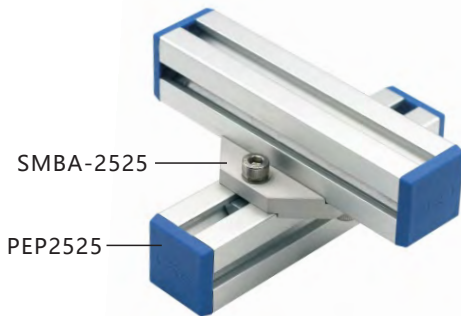
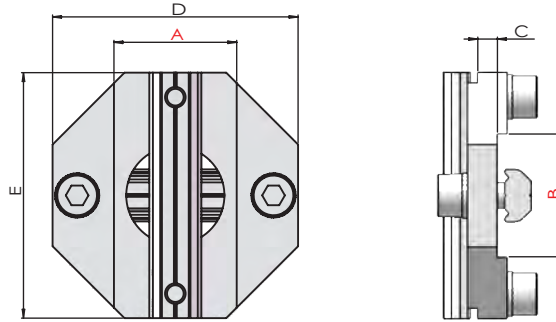
Accessories selection

Screws	PTC-M5L12*4
Single hole shim	PTS-M5*4
T-Nuts	PTN-M5P25*2
Weight	115g



Cross Mounting Bracket For Profiles

SMBA-1818 T 7.Y00290-T



PN	Model	A	B	C	D	E	PEP1818	PEP2510	PEP2518	PEP2525	PEP5025	PEP4040
7.Y00290	SMBA-1818	18	18	2	38	38	√					
7.Y00291	SMBA-1825	18	25	4	38	45	√		√	√	√	
7.Y00245	SMBA-2020	20	20	4	50	50						
7.Y00194	SMBA-2525	25	25	4	50	50		√	√	√	√	
7.Y00193	SMBA-3030	30	30	4	50	50						
7.Y00011	SMBA-5050	50	50	4	70	70					√	
7.Y00292	SMBA-2550	25	50	4	70	70		√	√	√	√	
7.Y00246	SMBA-4040	40	40	4	60	60						√
7.Y00355	SMBA-8080	80	80	4	100	100						
7.Y00293	SMBA-4080	40	80	4	60	100						√
7.Y00294	SMBA-2580	25	80	4	45	100			√	√	√	
7.Y00356	SMBA-2540	25	40	4	45	60		√	√	√	√	√
7.Y00690	SMBA-3025	30	25	4	50	50		√				

Model	Screws	Single hole shim	T-Nuts	Weight
SMBA-1818	PTC-M5L12*4	PTS-M5*4	PTN-M5P28*2	40g
SMBA-1825	PTC-M5L14*4	PTS-M5*4	PTN-M5P28*1,PTN-M5P35*1	60g
SMBA-2020	PTC-M5L14*4	PTS-M5*4		30g
SMBA-2525	PTC-M5L14*4	PTS-M5*4	PTN-M5P40*2	75g
SMBA-3030	PTC-M5L14*4	PTS-M5*4		24g
SMBA-5050	PTC-M5L14*8	PTS-M5*8	PTN-M5P60*4	170g
SMBA-2550	PTC-M5L14*6	PTS-M5*6	PTN-M5P60*3	155g
SMBA-4040	PTC-M5L16*4	PTS-M5*4	PTN-M5P50*2	85g
SMBA-8080	PTC-M5L16*8	PTS-M5*8	PTN-M5P90*4	255g
SMBA-4080	PTC-M5L16*6	PTS-M5*6	PTN-M5P50*2,PTN-M5P90*1	175g
SMBA-2580	PTC-M5L14*2 16*4	PTS-M5*6	PTN-M5P35*2,PTN-M5P90*1	140g
SMBA-2540	PTC-M5L14*2 16*4	PTS-M5*6	PTN-M5P35*1,PTN-M5P50*1	75g
SMBA-3025	PTC-M5L14*4	PTS-M5*4	PTN-M5P40*1,PTN-M5*2	25g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

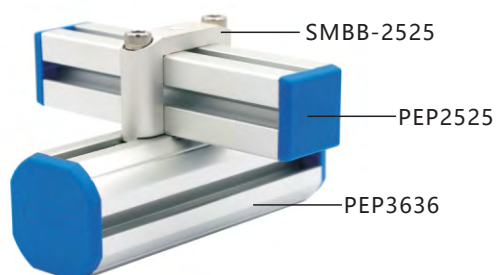
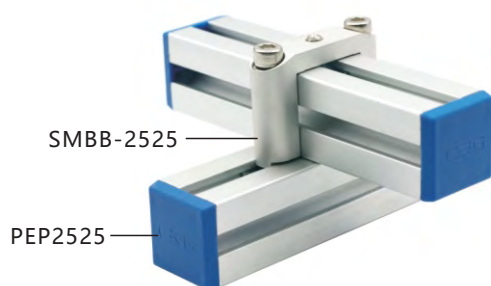
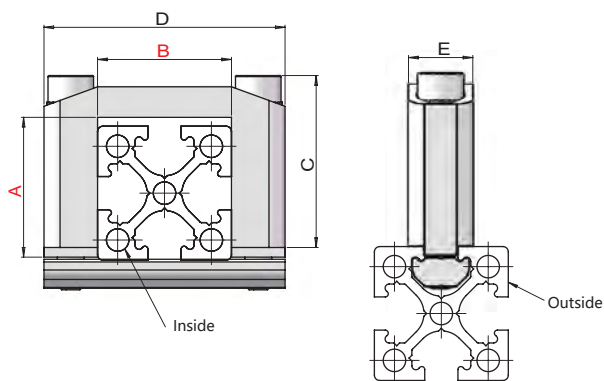
Air Nipper

Vacuum Module

Accessory Components

Cross (Square) Joint Connector

SMBB-1818T 7.Y00295-T



PN	7.Y00295	7.Y00817	7.Y00012	7.Y00339	7.Y00340	7.Y00163
Model	SMBB-1818	SMBB-1825	SMBB-2525	SMBB-5025	SMBB-2550	SMBB-3030
A(mm)	18	18	25	50	25	30
B(mm)	18	25	25	25	50	30
C(mm)	29	29	32	57	32	32
D(mm)	38	45	45	45	70	50
E(mm)	12	12	12	12	12	12
Inside	PEP1818	PEP1818	-	-	-	-
	-	-	PEP2525	PEP5025	PEP5025	-
	PEP2510	PEP2510	PEP2510	PEP2510	PEP2510	-
Outside	PEP2518	PEP2518	PEP2518	-	-	-
	PEP2525	PEP2525	PEP2525	PEP2525	PEP2525	-
	PEP5025	PEP5025	PEP5025	PEP5025	PEP5025	-
	PEP4040	PEP4040	PEP4040	PEP4040	PEP4040	-
Screws	PTC-M5L30*2	PTC-M5L30*2	PTC-M5L35*2	PTC-M5L60*2	PTC-M5L35*2	-
Single hole shim	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2	-
T-Nuts	PTN-M5P28*1	PTN-M5P35*1	PTN-M5P35*1	PTN-M5P35*1	PTN-M5P60*1	-
Weight	41g	42g	45g	65g	50g	19g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

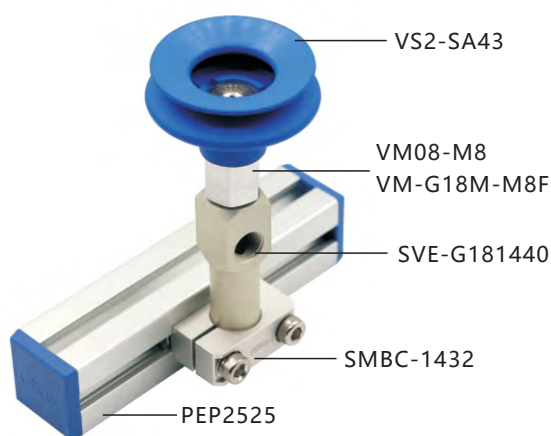
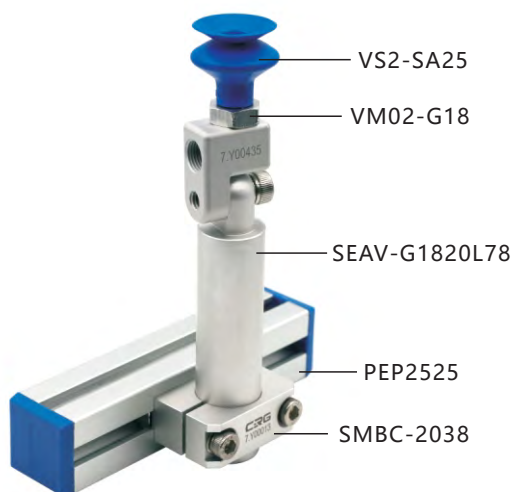
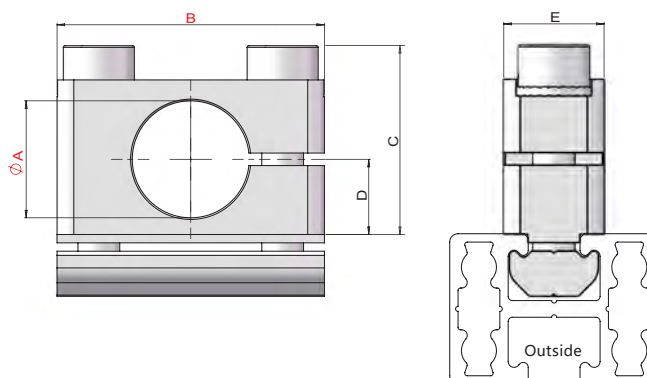
Air Nipper

Vacuum Module

Accessory Components

Cross (Square) Joint Connector

SMBC-1025 **T** 7.Y00296-**T**



PN	7.Y00296	7.Y00297	7.Y00013	7.Y00226	7.Y00225
Model	SMBC-1025	SMBC-1432	SMBC-2038	SMBC-3050	SMBC-5070
A(mm)	Ø10	Ø14	Ø20	Ø30	Ø50
B(mm)	25	32	38	50	70
C(mm)	18.5	23	28	34	56
D(mm)	7	9	12.5	17	28
E(mm)	10	12	15	20	25
Outside	PEP1818	PEP1818	PEP1818	PEP1818	PEP1818
	PEP2510	PEP2510	PEP2510	PEP2510	PEP2510
	PEP2518	PEP2518	-	-	-
	PEP2525	PEP2525	PEP2525	PEP2525	PEP2525
	PEP5025	PEP5025	PEP5025	PEP5025	PEP5025
	PEP4040	PEP4040	PEP4040	PEP4040	PEP4040
Accessories selection					
Screws	PTC-M5L25*2	PTC-M5L25*2	PTC-M5L30*2	PTC-M5L35*2	PTC-M5L50*2
Single hole shim	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M5P17*1	PTN-M5P22*1	PTN-M5P28*1	PTN-M5P40*1	PTN-M5P60*1
Weight	15g	32g	45g	75g	150g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

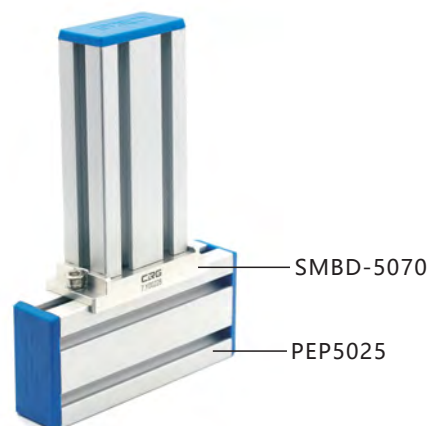
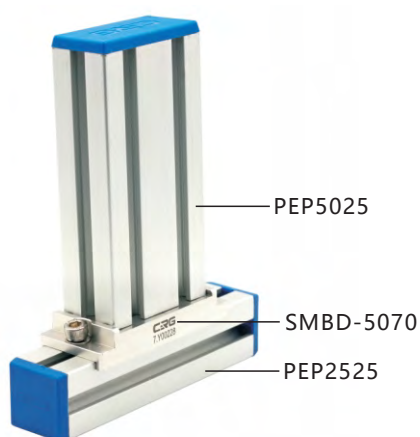
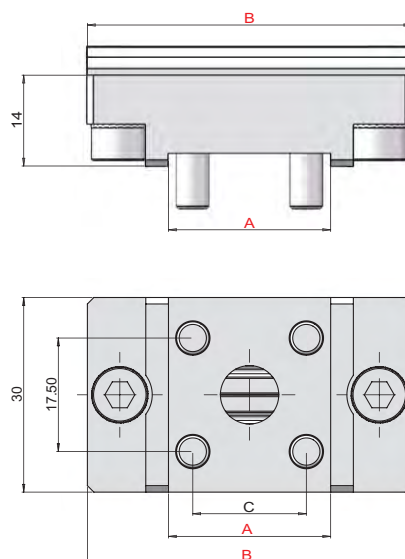
Air Nipper

Vacuum Module

Accessory Components

Vertical Fastening Of The Profiles

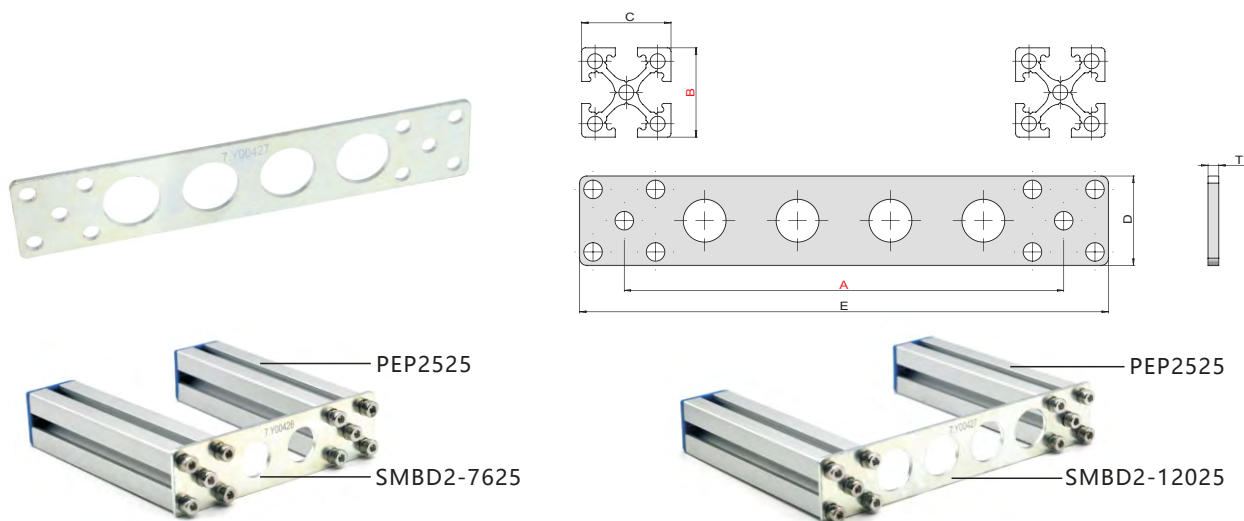
SMBD-2550 **T** 7.Y00227-**T**



PN	7.Y00227	7.Y00228
Model	SMBD-2550	SMBD-5070
A(mm)	25	50
B(mm)	50	70
C(mm)	17.5	42.5
PEP2525	√	√
PEP5025	√	√
Screws	PTC-M5L12*6	PTC-M5L12*4
Single hole shim	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M5P40*1	PTN-M5P60*1
Weight	65g	85g

Flat Straight Connector

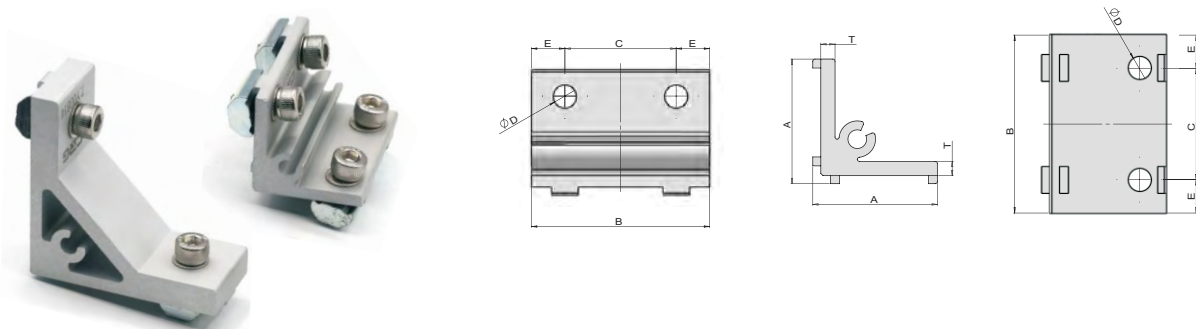
SMBD2-7625 **T** 7.Y00426-**T**



PN	7.Y00426	7.Y00427	7.Y00428	7.Y00429	7.Y00430	7.Y00431
Model	SMBD2-7625	SMBD2-12025	SMBD2-13025	SMBD2-7650	SMBD2-12050	SMBD2-13050
A(mm)	76	120	130	76	120	130
B(mm)	25	25	25	50	50	50
C(mm)	25	25	25	25	25	25
D(mm)	28	28	28	53	53	53
E(mm)	104	148	158	104	148	158
T(mm)	2	2	2	2	2	2
PEP2525	√	√	√	-	-	-
PEP5025	-	-	-	√	√	√
Weight	50g	60g	65g	75g	100g	110g

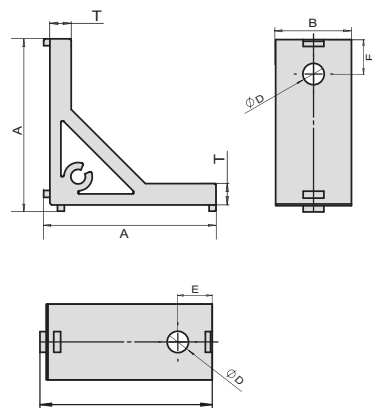
Angle Bracket For Profiles

SMBD3-2525 **T** 7.Y00812-**T**



PN	7.Y00812	7.Y00813	7.Y00814	7.Y00815
Model	SMBD3-2525	SMBD3-2550	SMBD3-4040	SMBD3-4080
A(mm)	28	28	50	50
B(mm)	18	40	22	70
C(mm)	-	25	-	40
D(mm)	Ø5.2	Ø5.2	Ø6.2	Ø6.2
E(mm)	9	7.5	11	15
T(mm)	3.2	3.2	6.2	6.2
	PEP1818 PEP2510 PEP2518 PEP2525	PEP2550	PEP4040 PEP4080	PEP4080

Screws	PTC-M5L12*2	PTC-M5L12*4	PTC-M6L14*2	PTC-M5L14*4
Single hole shim	PTS-M5*2	PTS-M5*4	PTS-M6*2	PTS-M5*4
T-Nuts	PTN-M5*2	PTN-M5*4	PTN-M6*2	PTN-M5*4
Weight	10g	22g	38g	126g



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

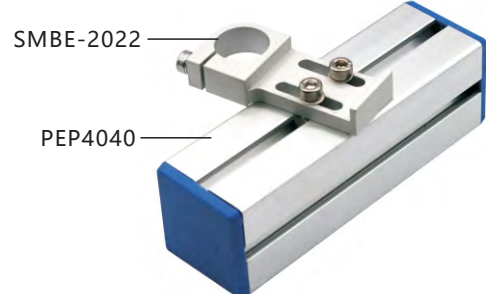
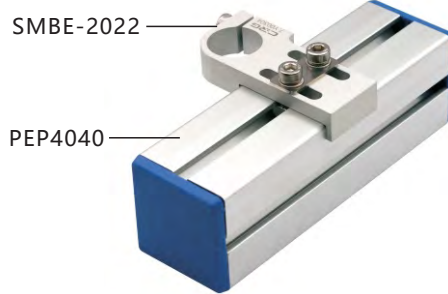
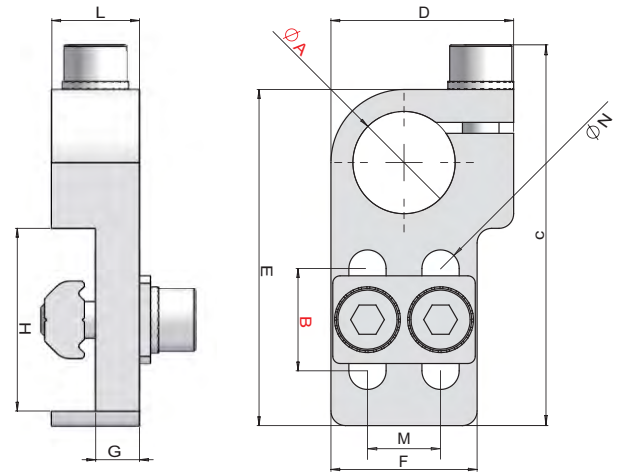
Air Nipper

Vacuum Module

Accessory Components

Flat Straight Connector

SMBE-1010 **T** 7.Y00300-**T**



PN	7.Y00300	7.Y00301	7.Y00775	7.Y00864	7.Y00302	7.Y00014	7.Y00304
Model	SMBE-1010	SMBE-1014	SMBE-1210	SMBE-1214	SMBE-1414	SMBE-2014	SMBE-2022
A(mm)	Ø10	Ø10	Ø12	Ø12	Ø14	Ø20	Ø20
B(mm)	10	14	10	14	14	14	22
C(mm)	43	49	43	50	52.1	57.1	74.1
D(mm)	20	20	20.5	20.5	25	30	30
E(mm)	38	44	38	45	46	51.5	68
F(mm)	16	16	16	16	20	25	25
G(mm)	4.5	4.5	4.5	4.5	6	6.2	6
H(mm)	18	25	18	25	25	25	40
L(mm)	8	8	8	8	12	12	12
M(mm)	8	8	8	8	10	15	15
N(mm)	Ø4.2	Ø4.2	Ø4.2	Ø4.2	Ø5.2	Ø5.2	Ø5.2
PEP1818	√	-	√	-	-	-	-
PEP2510	-	√	-	√	√	√	-
PEP2518	-	√	-	-	√	√	-
PEP2525	-	√	-	-	√	√	-
PEP5025	-	√	-	-	√	√	-
PEP4040	-	-	-	-	-	-	√

Screws	PTC-M4L14*2	PTC-M4L14*2	PTC-M4L14*2	PTC-M4L14*2	PTC-M5L16*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M4*2	PTS-M4*2	PTS-M4*2	PTS-M4*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M4P8*1	PTN-M4P8*1	PTN-M4P8*1	PTN-M5P10*1	PTN-M5P15*1	PTN-M5P15*1
Double holes shim	PTD-M4P8*1	PTD-M4P8*1	PTD-M4P8*1	PTD-M4P8*1	PTD-M5P10*1	PTD-M5P15*1	PTD-M5P15*1
Weight	20g	21g	22g	10g	34g	45g	48g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

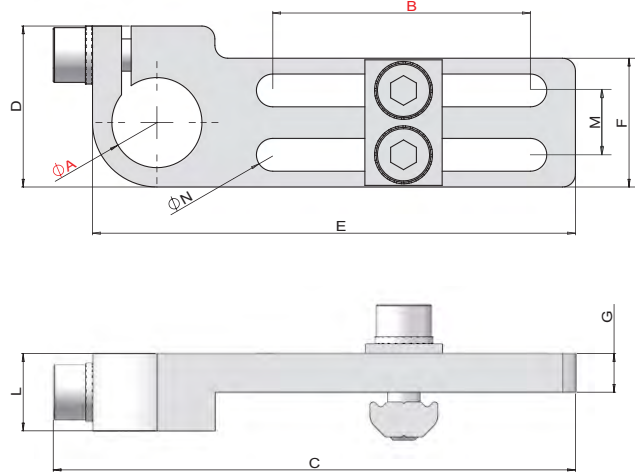
Air Nipper

Vacuum Module

Accessory Components

Mounting Bracket

SMBE1-0840 T 7.Y00694-T



PN	7.Y00694	7.Y00201	7.Y00695	7.Y00200	7.Y00199	7.Y00015	7.Y00724
Model	SMBE1-0840	SMBE1-1040	SMBE1-1240	SMBE1-1440	SMBE1-1450	SMBE1-2060	SMBE1-3060
A(mm)	Ø8	Ø10	Ø12	Ø14	Ø14	Ø20	Ø30
B(mm)	40	40	40	40	50	60	60
C(mm)	75	75	75	81.1	91.1	111.1	121.1
D(mm)	20	20	20	25	25	30	40
E(mm)	70	70	70	75	85	105	115
F(mm)	16	16	16	20	20	25	35
G(mm)	4.5	4.5	4.5	6	6	6	8
L(mm)	8	8	8	12	12	12	12
M(mm)	8	8	8	10	10	15	22
N(mm)	Ø4.2	Ø4.2	Ø4.2	Ø5.2	Ø5.2	Ø5.2	Ø5.2
PEP1818	√	√	√	√	√	√	√
PEP2510	√	√	√	√	√	√	√
PEP2518	√	√	√	√	√	√	√
PEP2525	√	√	√	√	√	√	√
PEP5025	√	√	√	√	√	√	√
PEP4040	-	-	-	√	√	√	√

Screws	PTC-M4L14*2	PTC-M4L14*2	PTC-M4L14*2	PTC-M5L16*2	PTC-M5L16*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M4*2	PTS-M4*2	PTS-M4*2	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M4P8*1	PTN-M4P8*1	PTN-M5P10*1	PTN-M5P10*1	PTN-M5P15*1	PTN-M5P22*1
Double holes shim	PTD-M4P8*1	PTD-M4P8*1	PTD-M4P8*1	PTD-M5P10*1	PTD-M5P10*1	PTD-M5P15*1	PTD-M5P22*1
Weight	13g	23g	12g	38g	40g	55g	95g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

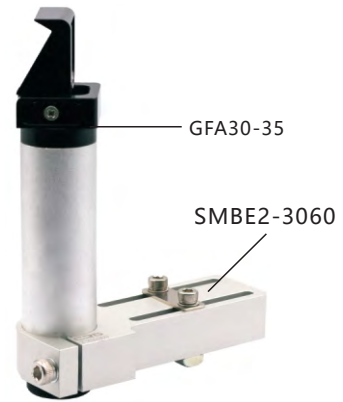
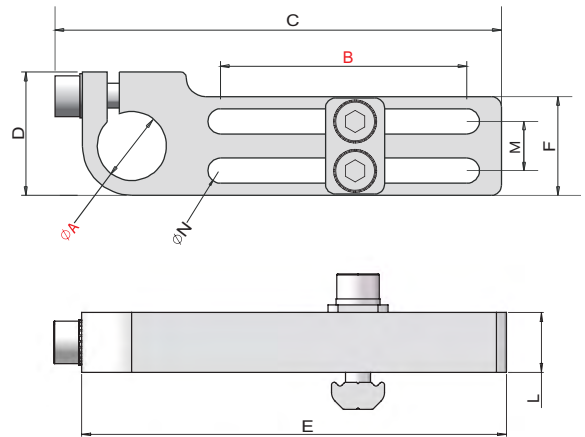
Air Nipper

Vacuum Module

Accessory Components

Heavy Duty Mounting Bracket

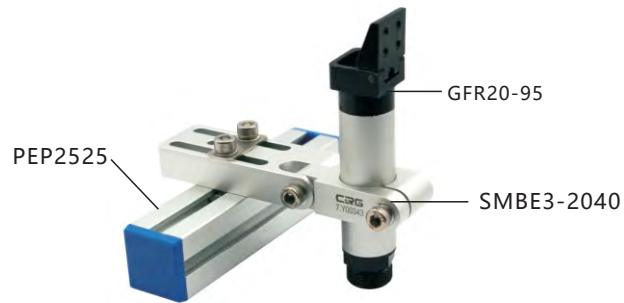
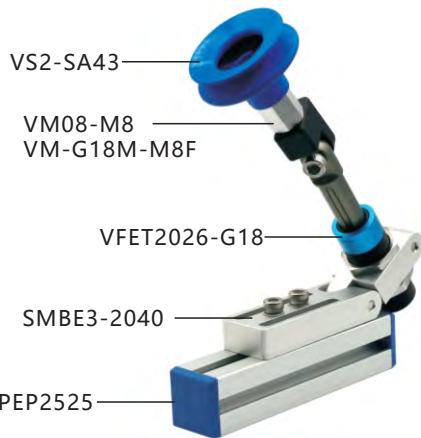
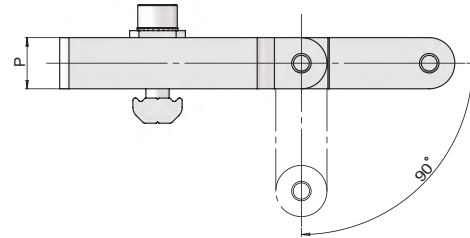
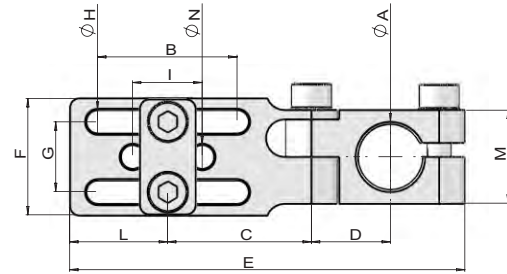
SMBE2-1040T 7.Y00725-T



PN	7.Y00725	7.Y00777	7.Y00307	7.Y00308	7.Y00309
Model	SMBE2-1040	SMBE2-1240	SMBE2-1450	SMBE2-2060	SMBE2-3060
A(mm)	Ø10	Ø12	Ø14	Ø20	Ø30
B(mm)	40	40	50	60	60
C(mm)	75	75	90.6	110.6	122.2
D(mm)	20	20.5	25	30	42
E(mm)	70	70	85	105	115
F(mm)	16	16	20	25	35
L(mm)	8.3	8.3	12	15	20
M(mm)	8	8	10	15	22
N(mm)	Ø4.2	Ø4.2	Ø5.2	Ø5.2	Ø5.2
Screws	PTC-M4L18*2	PTC-M4L18*2	PTC-M5L22*2	PTC-M5L25*2	PTC-M5L30*2
Single hole shim	PTS-M4*2	PTS-M4*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M4P8*1	PTN-M5P10*1	PTN-M5P15*1	PTN-M5P22*1
Double holes shim	PTD-M4P8*1	PTD-M4P8*1	PTD-M5P10*1	PTD-M5P15*1	PTD-M5P22*1
Weight	30g	40g	60g	85g	175g

Slotted Angular Bracket

SMBE3-1020T 7.Y00341-T



PN	7.Y00341	7.Y00795	7.Y00342	7.Y00343	7.Y00344
Model	SMBE3-1020	SMBE3-1220	SMBE3-1430	SMBE3-2040	SMBE3-3050
A(mm)	Ø10	Ø12	Ø14	Ø20	Ø30
B(mm)	20	20	30	40	50
C(mm)	23	23	31	39	49
D(mm)	14	14	17	22	28
E(mm)	64.5	64.5	85	107	135.5
F(mm)	16	16	25	25	36
G(mm)	8	8	15	15	22
H(mm)	4.2	4.2	5.2	5.2	5.2
I(mm)	-	-	15	15	22
L(mm)	15	15	21	26	32
M(mm)	16	16	20	25	36
N(mm)	-	-	Ø5.1	Ø5.1	Ø5.1
P(mm)	9	9	11	13	16
Screws	PTC-M4L18*2	PTC-M4L18*2	PTC-M5L20*2	PTC-M5L22*2	PTC-M5L25*2
Single hole shim	PTS-M4*2	PTS-M4*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M4P8*1	PTN-M5P15*1	PTN-M5P15*1	PTN-M5P22*1
Double holes shim	PTD-M4P8*1	PTD-M4P8*1	PTD-M5P15*1	PTD-M5P15*1	PTD-M5P22*1
Weight	30g	35g	50g	90g	185g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

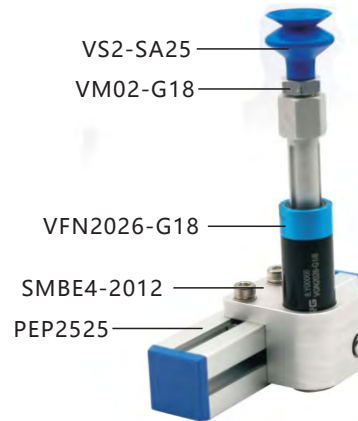
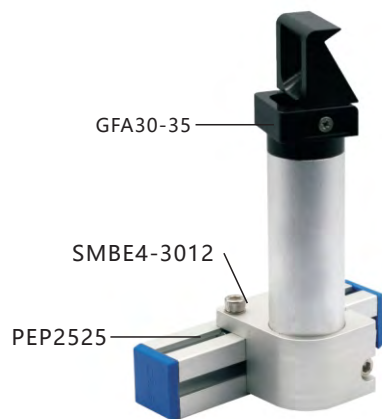
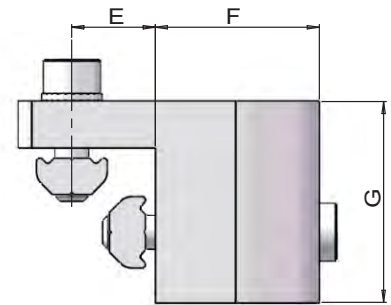
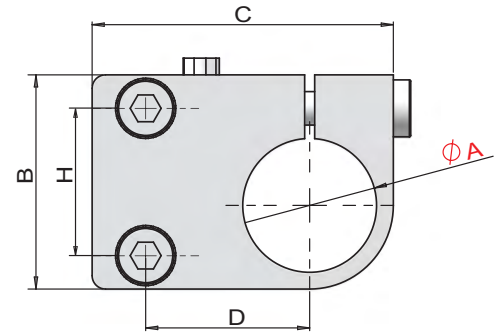
Air Nipper

Vacuum Module

Accessory Components

Mounting Bracket

SMBE4-1412T 7.Y00224-T



PN	7.Y00224	7.Y00223	7.Y00181	7.Y00222	7.Y00221
Model	SMBE4-1412	SMBE4-2012	SMBE4-2020	SMBE4-3012	SMBE4-3020
A(mm)	Ø14	Ø20	Ø20	Ø30	Ø30
B(mm)	25	32	35	40	45
C(mm)	40	45	54.5	55	65.5
D(mm)	22	24.5	33	29.5	39
E(mm)	12.5	12.5	20	12.5	20
F(mm)	19.5	24.5	26.5	34.5	37.5
G(mm)	25	30	35	30	40
H(mm)	15	22	25	30	35
PEP1818	√	√	-	√	-
PEP2510	√	√	-	√	-
PEP2518	√	√	-	√	-
PEP2525	√	√	-	√	-
PEP5025	√	√	-	√	-
PEP4040	-	-	√	-	√

Screws	PTC-M5L14*2	PTC-M5L16*2	PTC-M5L16*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M5P15*1	PTN-M5P22*1	PTN-M5P25*1	PTN-M5P30*1	PTN-M5P30*1
Weight	50g	70g	95g	90g	150g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

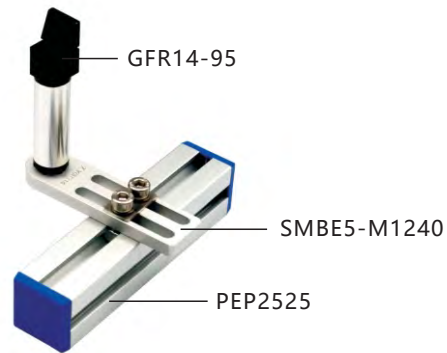
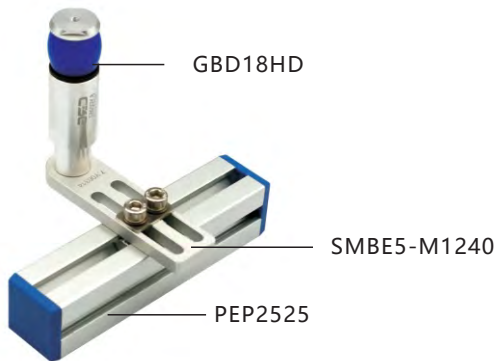
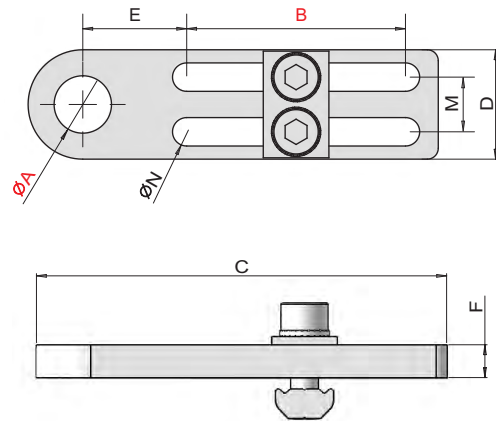
Air Nipper

Vacuum Module

Accessory Components

Mounting Bracket

SMBE5-G1840T 7.Y00310-T



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	M(mm)	N(mm)	Weight
7.Y00310	SMBE5-G1840	G1/8	40	75	20	19	6	10	Ø5.2	25g
7.Y00311	SMBE5-G1860	G1/8	60	105	25	26.5	6	15	Ø5.2	42g
7.Y00312	SMBE5-M1040	M10×1	40	75	20	19	6	10	Ø5.2	30g
7.Y00313	SMBE5-M1060	M10×1	60	105	25	26.5	6	15	Ø5.2	40g
7.Y00314	SMBE5-M1240	M12×1	40	75	20	19	6	10	Ø5.2	30g
7.Y00315	SMBE5-M1260	M12×1	60	105	25	26.5	6	15	Ø5.2	47g
7.Y00316	SMBE5-M1440	M14×1	40	75	20	19	6	10	Ø5.2	20g
7.Y00317	SMBE5-M1460	M14×1	60	105	25	26.5	6	15	Ø5.2	40g
7.Y00320	SMBE5-M1640	M16×1	40	75	20	19	6	10	Ø5.2	20g
7.Y00321	SMBE5-M1660	M16×1	60	105	25	26.5	6	15	Ø5.2	40g
7.Y00322	SMBE5-M2040	M20×1	40	75	25	16.5	6	15	Ø5.2	30g
7.Y00323	SMBE5-M2060	M20×1	60	105	25	26.5	6	15	Ø5.2	35g

Screws Single hole shim) T-Nuts Double holes shim	PTC-M5L14*2 PTS-M5*2 PTN-M5P10*1 PTD-M5P10*1	SMBE5-G1840 , SMBE5-M1040, SMBE5-M1240 , SMBE5-M1440, SMBE5-M1640
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Screws Single hole shim) T-Nuts Double holes shim	PTC-M5L14*2 PTS-M5*2 PTN-M5P15*1 PTD-M5P15*1	SMBE5-G1860, SMBE5-M1060, SMBE5-M1260, SMBE5-M1460, SMBE5-M1660, SMBE5-M2040 , SMBE5-M2060
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Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

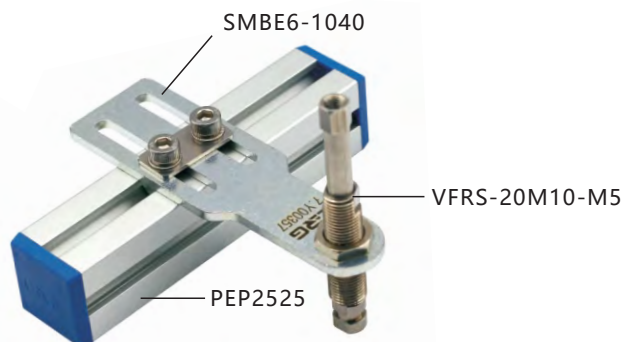
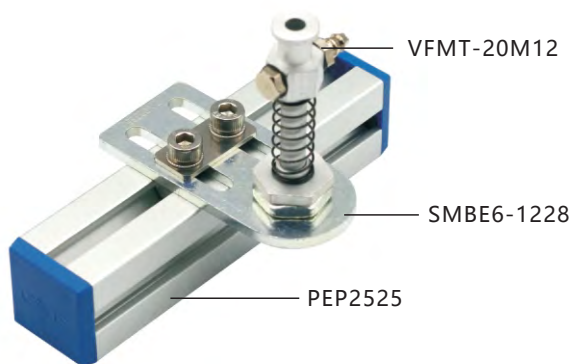
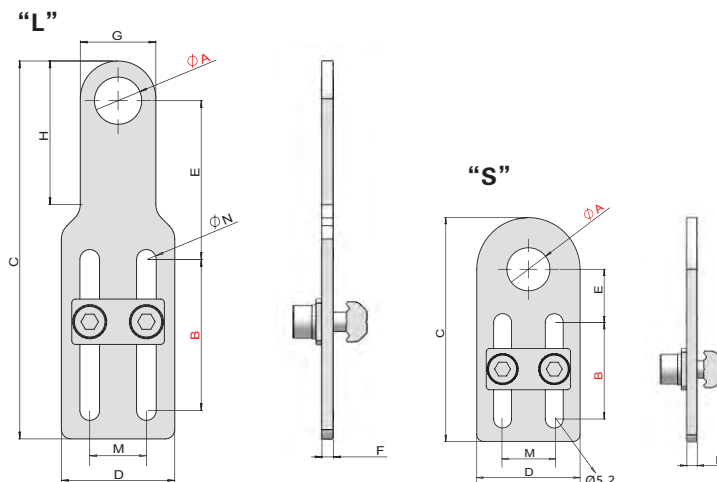
Air Nipper

Vacuum Module

Accessory Components

Mounting Bracket

SMBE6-1040T 7.Y00357-T



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	M(mm)	N(mm)	Weight
7.Y00357	SMBE6-1040	Ø10.5	40	100	30	42.5	3	20	38	15	Ø5.2	60g
7.Y00358	SMBE6-1240	Ø12.5	40	100	30	42.5	3	20	38	15	Ø5.2	60g
7.Y00359	SMBE6-1440	Ø14.5	40	100	30	42.5	3	24	38	15	Ø5.2	60g
7.Y00360	SMBE6-1640	Ø16.5	40	100	30	42.5	3	30	-	15	Ø5.2	65g
7.Y00361	SMBE6-2040	Ø20.5	40	100	30	42.5	3	30	-	15	Ø5.2	60g
7.Y00362	SMBE6-2240	Ø22.5	40	100	30	42.5	5	35	26	15	Ø5.2	105g
7.Y00363	SMBE6-2540	Ø25.5	40	100	30	42.5	5	35	26	15	Ø5.2	100g
7.Y00364	SMBE6-1028	Ø10.5	28	65	30	15.5	3	-	-	15	Ø5.2	45g
7.Y00365	SMBE6-1228	Ø12.5	28	65	30	15.5	3	-	-	15	Ø5.2	45g
7.Y00366	SMBE6-1428	Ø14.5	28	65	30	15.5	3	-	-	15	Ø5.2	45g
7.Y00367	SMBE6-1628	Ø16.5	28	65	30	15.5	3	-	-	15	Ø5.2	45g
7.Y00368	SMBE6-2028	Ø20.5	28	65	30	15.5	3	-	-	15	Ø5.2	40g
7.Y00369	SMBE6-2228	Ø22.5	28	70	30	17	5	35	26	15	Ø5.2	75g
7.Y00370	SMBE6-2528	Ø25.5	28	70	30	17	5	35	26	15	Ø5.2	70g

Accessoirier selection

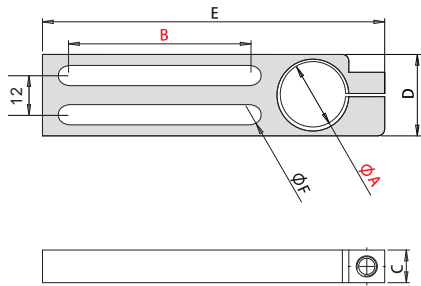
Accessoirier selection 1

Screws	PTC-M5L10*2	SMBE6-1040, SMBE6-1240, SMBE6-1440
Single hole shim)	PTS-M5*2	SMBE6-1640, SMBE6-2040, SMBE6-1028
T-Nuts	PTN-M5P15*1	SMBE6-1228, SMBE6-1428, SMBE6-1628
Double holes shim	PTD-M5P15*1	SMBE6-2028

Accessoirier selection 2

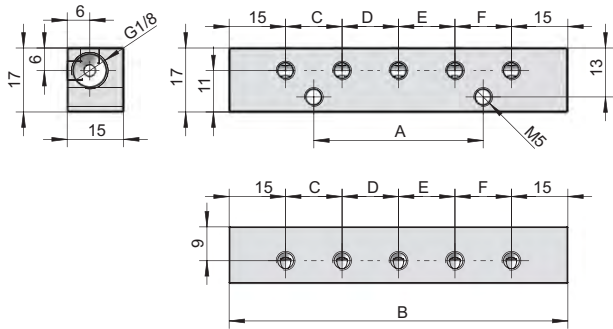
Screws	PTC-M5L12*2	SMBE6-2240, SMBE6-2540
Single hole shim)	PTS-M5*2	SMBE6-2228, SMBE6-2528
T-Nuts	PTN-M5P15*1	
Double holes shim	PTD-M5P15*1	

Cylinder Bracket

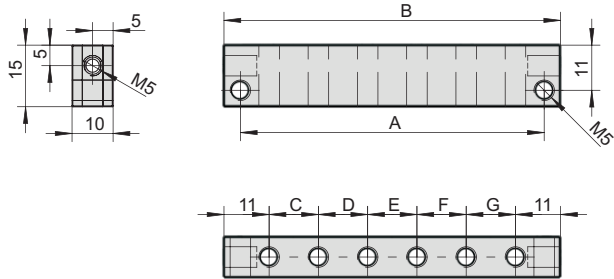
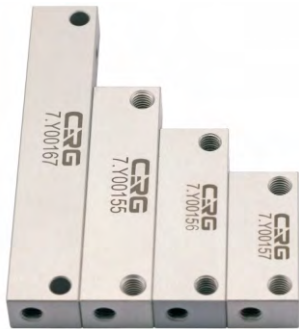


PN	Model	A	B	C	D	E	F	Weight
7.Y00062	SMBE7-0856	Ø8	56	10	25	90	6.5	40g
7.Y00021	SMBE7-1256	Ø12	56	10	25	95	6.5	43g
7.Y00006	SMBE7-2056	Ø20	56	10	25	105	6.5	47g

Side Manifold Block

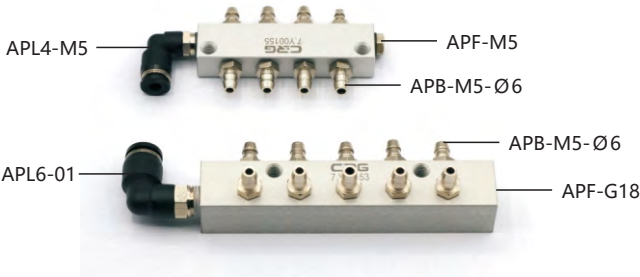


PN	Model	A	B	C	D	E	F	Weight
7.Y00153	SMB-10M5-02G18	45	90	15	15	15	15	51g
7.Y00154	SMB-08M5-02G18	30	75	15	15	15	-	42g



PN	Model	A	B	C	D	E	F	G	Weight
7.Y00157	SMB-06M5	26	34	12	-	-	-	-	10g
7.Y00156	SMB-08M5	38	46	12	12	-	-	-	14g
7.Y00155	SMB-10M5	50	58	12	12	12	-	-	18g
7.Y00167	SMB-14M5	74	82	12	12	12	12	12	26g

Application example



Side Manifold Block

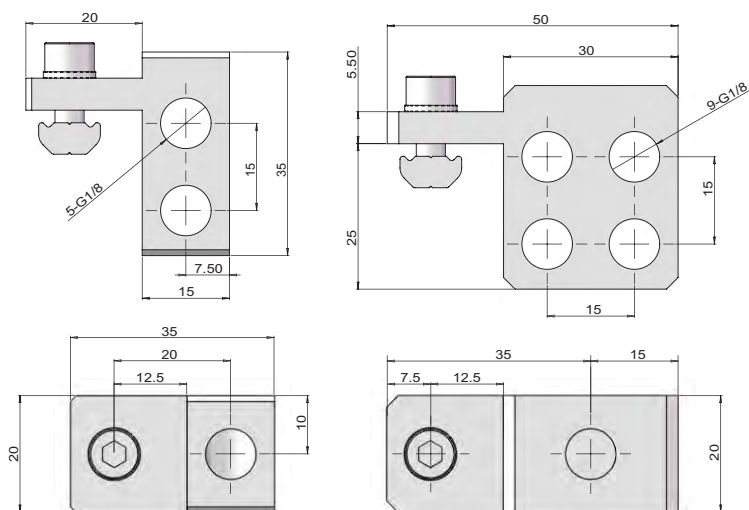
SMB-5G18T 7.Y00229-T



G1/8(x5)

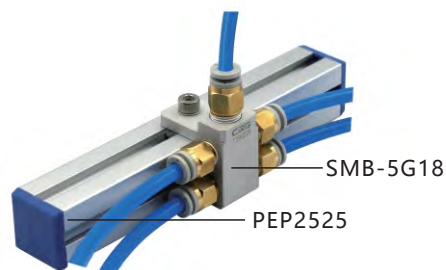


G1/8(x9)



PN	7.Y00229	7.Y00231
Model	SMB-5G18	SMB-9G18
PEP1818	✓	✓
PEP2510	✓	✓
PEP2518	✓	✓
PEP2525	✓	✓
PEP5025	✓	✓

Screws	PTC-M5L14*1	PTC-M5L14*1
Single hole shim	PTS-M5*1	PTS-M5*1
T-Nuts	PTN-M5*1	PTN-M5*1
Weight	30g	50g

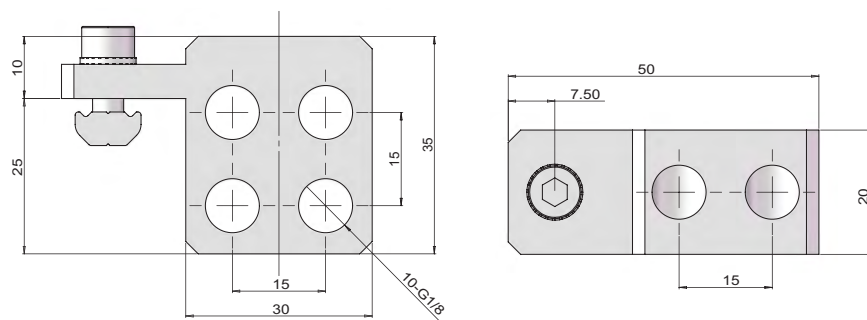


Side Manifold Block

SMB-D5G18T 7.Y00230-T

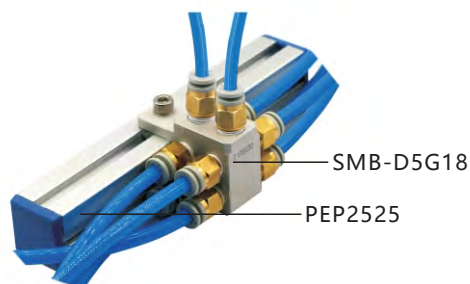


G1/8(5+5)



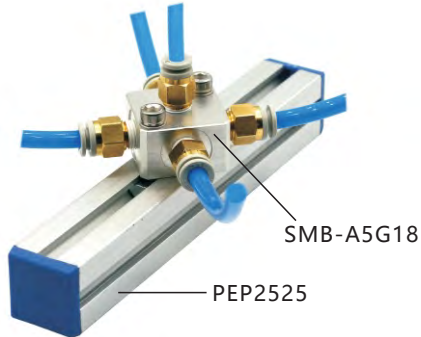
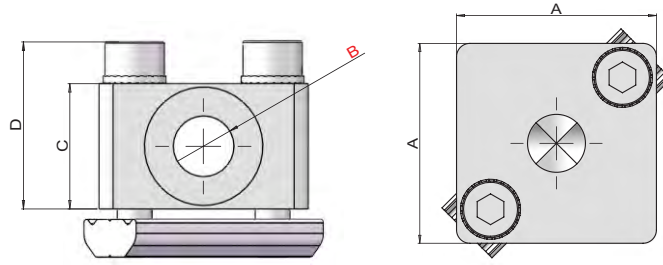
PN	7.Y00230
Model	SMB-D5G18
PEP1818	✓
PEP2510	✓
PEP2518	✓
PEP2525	✓
PEP5025	✓

Screws	PTC-M5L14*1
Single hole shim	PTS-M5*1
T-Nuts	PTN-M5*1
Weight	48g



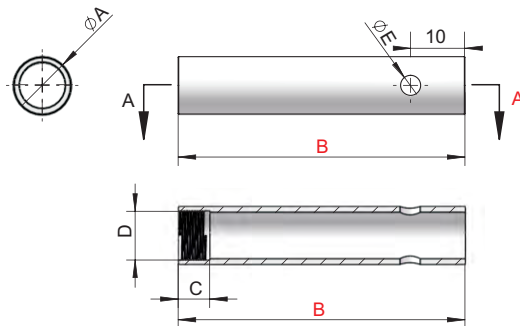
Manifold Block

SMB-A5G18T 7.Y00240-T



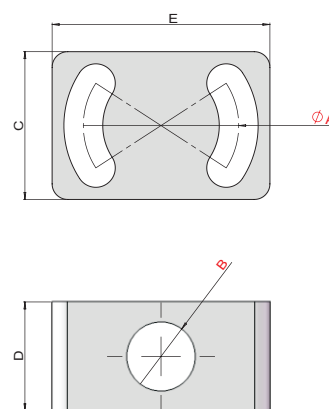
PN	7.Y00240	7.Y00241
Model	SMB-A5G18	SMB-A5G14
A(mm)	30	40
B(mm)	(x5)G1/8	(x5)G1/4
C(mm)	18	20
D(mm)	24	23
Accessories selection		
Screws	PTC-M5L25*2	PTC-M5L25*2
Single hole shim	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M5P28*1	PTN-M5P35*1
Weight	50g	80g

Extension Tube



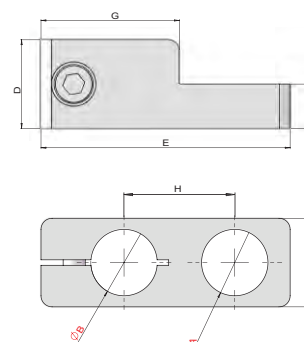
PN	Model	A	B	C	D	E	Weight
7.Y00736	SMBY12-50	Ø12	50	12	M10*1	5	9g
7.Y00735	SMBY12-100	Ø12	100	12	M10*1	5	17g
7.Y00733	SMBY14-50	Ø14	50	12	M12*1	5	10g
7.Y00734	SMBY14-100	Ø14	100	12	M12*1	5	20g
7.Y00732	SMBY20-50	Ø20	50	15	M17*1	8	16g
7.Y00731	SMBY20-100	Ø20	100	15	M17*1	8	31g
7.Y00462	SMBY20-150	Ø20	150	15	M17*1	8	47g
7.Y00729	SMBY30-50	Ø30	50	18	M27*1	9	29g
7.Y00730	SMBY30-100	Ø30	100	18	M27*1	9	58g
7.Y00463	SMBY30-150	Ø30	150	18	M27*1	9	87g

Swing Block



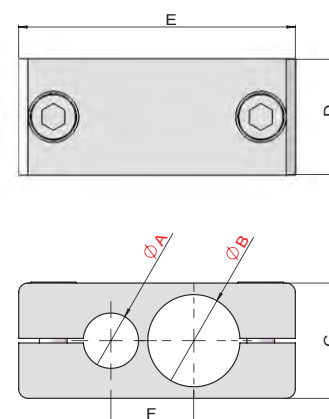
PN	Model	A	B	C	D	E	重量(Weight)
7.Y00048	SMBT4-G1820	Ø20	G1/8	19	14	28	11g

SSW Connector SSW



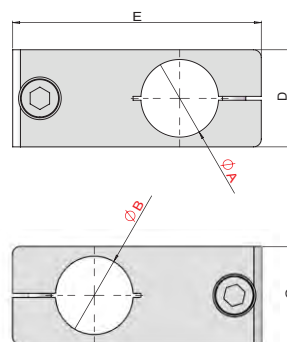
PN	Model	A	B	C	D	E	F	G	H	Weight
7.Y00028	SMBT1-M1412	M14	Ø12	16	16	45	8	25	20	16g

Parallel Connector

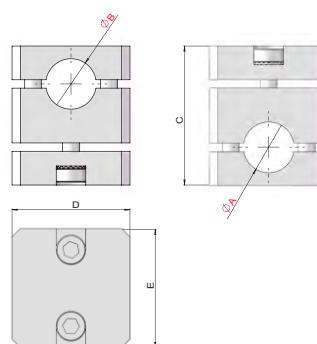


PN	Model	A	B	C	D	E	F	Weight
7.Y00042	SMBP-0808	Ø8	Ø8	12	12	35	10	11g
7.Y00043	SMBP-0812	Ø8	Ø12	16	16	43	12	23g
7.Y00044	SMBP-1212	Ø12	Ø12	16	16	44	14	21g
7.Y00045	SMBP-2012	Ø20	Ø12	25	25	60	18	75g
7.Y00046	SMBP-2020	Ø20	Ø20	25	25	66	24	71g

Cross Connector

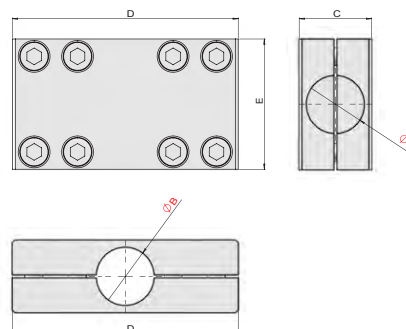


PN	Model	A	B	C	D	E	Weight
7.Y00025	SMBT-0808	Ø8	Ø8	12	12	35	10g
7.Y00026	SMBT-1208	Ø12	Ø8	12	16	43	16g
7.Y00020	SMBT-1212	Ø12	Ø12	16	16	47	22g
7.Y00794	SMBT-1214	Ø12	Ø14	18	18	48	29g
7.Y00027	SMBT-2012	Ø20	Ø12	25	25	59	72g
7.Y00005	SMBT-2020	Ø20	Ø20	25	25	64	68g



PN	Model	A	B	C	D	E	Weight
7.Y00192	SMBT2-1212	Ø12	Ø12	33	28	28	11g
7.Y00185	SMBT2-2020	Ø20	Ø20	48	42	42	30g

Cross Connector#2



PN	Model	A	B	C	D	E	Weight
7.Y00047	SMBT3-2020	Ø20	Ø20	25	78	45	170g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

T Connector

Profile · SUS Tube

Stents Module

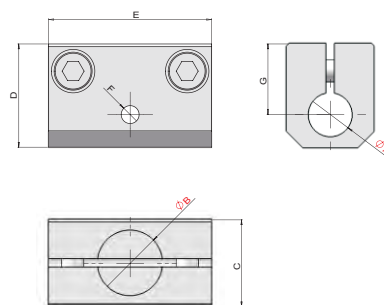
Quick Changer

Grip Module

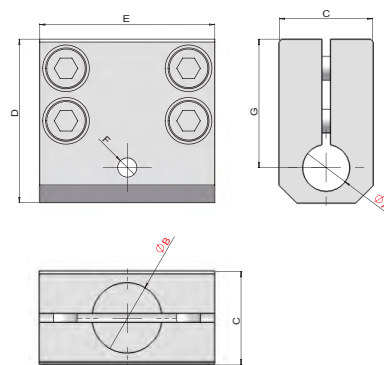
Air Nipper

Vacuum Module

Accessory Components

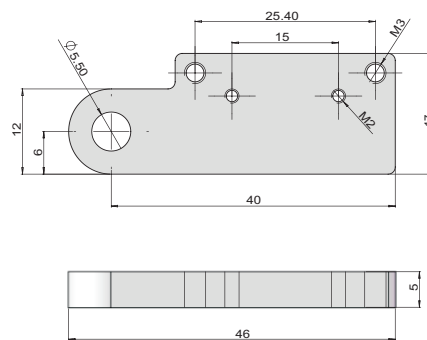


PN	Model	A	B	C	D	E	F	G	Weight
7.Y00029	SMBF-0808	Ø8	Ø8	12	20	30	M4	14	14g
7.Y00030	SMBF-0812	Ø8	Ø12	16	20	30	M4	14	23g
7.Y00031	SMBF-1208	Ø12	Ø8	16	26	30	M4	16	19g
7.Y00032	SMBF-1212	Ø12	Ø12	16	26	30	M4	16	18g
7.Y00033	SMBF-1220	Ø12	Ø20	25	30	45	M4	20	60g
7.Y00034	SMBF-2012	Ø20	Ø12	25	40	45	M4	25	63g
7.Y00035	SMBF-2020	Ø20	Ø20	25	40	45	M4	25	56g

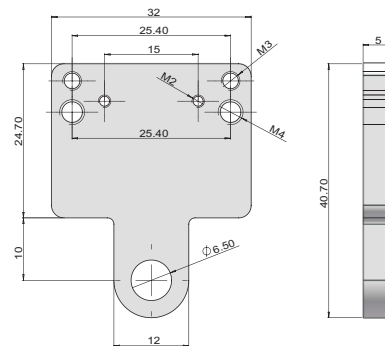


PN	Model	A	B	C	D	E	F	G	Weight
7.Y00036	SMBF1-0808	Ø8	Ø8	12	28	26	M4	22	15g
7.Y00037	SMBF1-0812	Ø8	Ø12	16	28	30	M4	22	31g
7.Y00038	SMBF1-1208	Ø12	Ø8	16	35	30	M4	25	29g
7.Y00003	SMBF1-1212	Ø12	Ø12	16	35	30	M4	25	26g
7.Y00039	SMBF1-1220	Ø12	Ø20	25	44	45	M4	34	88g
7.Y00040	SMBF1-2012	Ø20	Ø12	25	54	45	M4	39	111g
7.Y00041	SMBF1-2020	Ø20	Ø20	25	51.5	45	M4	39	78g

Sensor Bracket

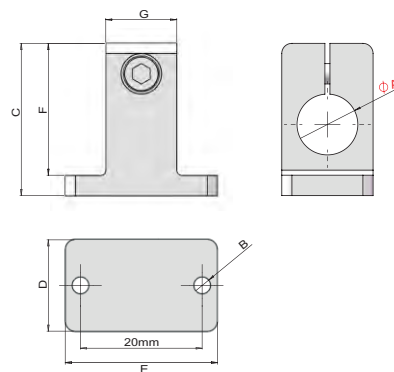


PN	Model	Weight
7.Y00070	SMBJ1-5	9g



PN	Model	Weight
7.Y00071	SMBJ2-6	12g

Chuck Bracket



PN	Model	A	B	C	D	E	F	G	Weight
7.Y00072	SMBT5-8	Ø8	M4	25	12	27	22	12	10g
7.Y00073	SMBT5-12	Ø12	M4	30	18	30	26	14	19g

Profile / SUS Tube

Stents Module

Quick Changer

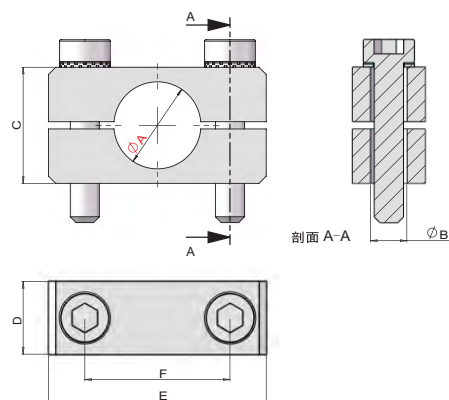
Grip Module

Air Nipper

Vacuum Module

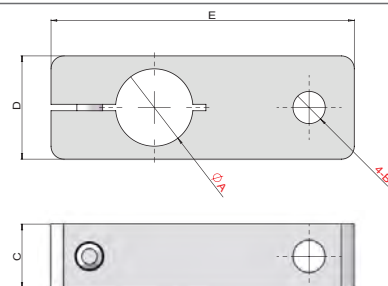
Accessory Components

Bracket



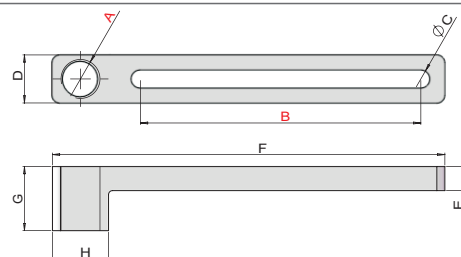
PN	Model	A	B	C	D	E	F	Weight
7.Y00074	SMBT6-12	Ø12	Ø6.5	16	16	40	30	35g

Suction Bracket

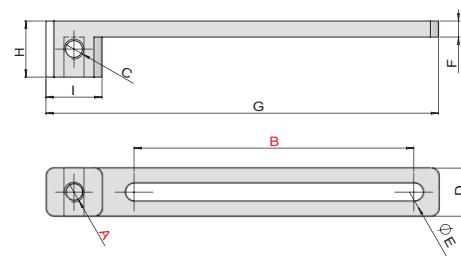


PN	Model	A	B	C	D	E	Weight
7.Y00057	SMBG1-8M5	Ø8	M5	12	12	33	9g
7.Y00058	SMBG1-8M6	Ø8	M6	10	12	33	9g
7.Y00059	SMBG1-12M5	Ø12	M5	10	16	47	16g
7.Y00060	SMBG1-12M6	Ø12	M6	10	16	47	16g
7.Y00061	SMBG1-12G18	Ø12	G1/8	16	16	47	25g

Slide Bracket

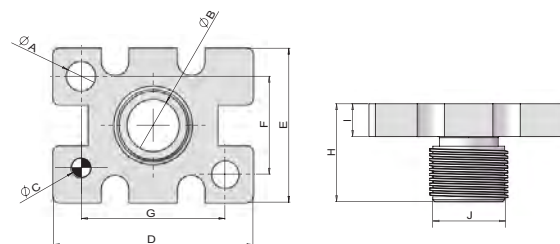
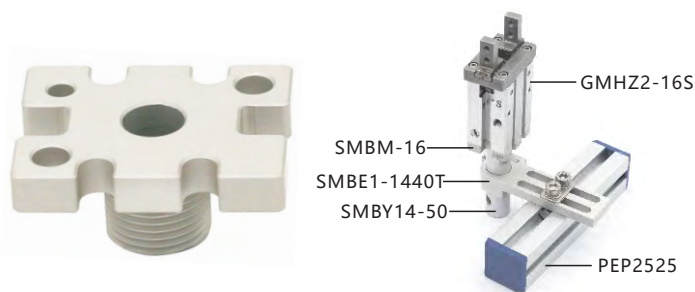


PN	Model	A	B	C	D	E	F	G	H	Weight
7.Y00115	SCF1-40M3	M3	40	4.5	12	5	56	10	8	7g
7.Y00118	SCF1-40G18	G1/8	40	4.5	12	6	68	16	14	12g
7.Y00129	SCF1-70M3	M3	70	4.5	12	5	86	10	8	10g
7.Y00132	SCF1-70G18	G1/8	70	4.5	12	6	98	16	14	15g



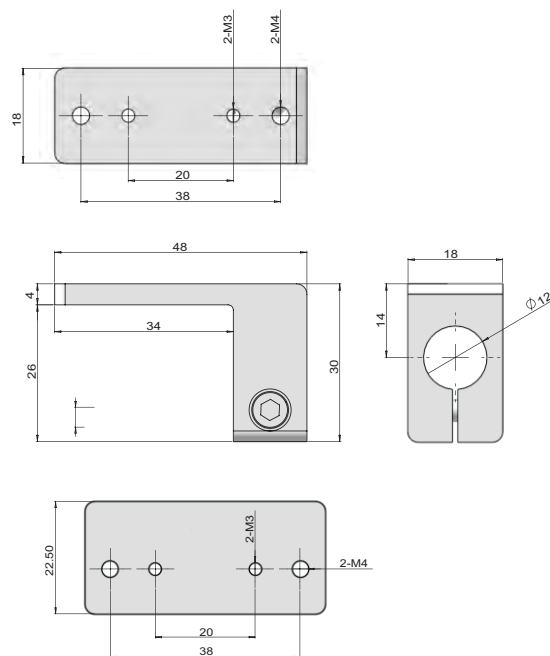
PN	Model	A	B	C	D	E	F	G	H	I	Weight
7.Y00173	SCF2-40M5	M5	40	M5	12	4.5	4	68	14	14	9g
7.Y00117	SCF2-40M6	M6	40	M6	12	4.5	4	68	14	14	10g
7.Y00130	SCF2-70M5	M5	70	M5	12	4.5	4	98	14	14	12g
7.Y00131	SCF2-70M6	M6	70	M6	12	4.5	4	98	14	14	13g

Gripper Installation Bracket



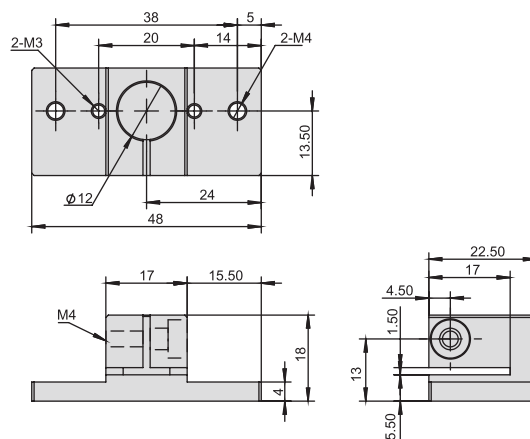
PN	Model	A	B	C	D	E	F	G	H	I	J	Weight
7.Y00740	SMBM-10	Ø3.2	Ø6	Ø2	23	16.4	12	18	14	4	M10*1	5g
7.Y00741	SMBM-16	Ø4.2	Ø7	Ø3	30.6	23.6	15	22	15	5	M12*1	10g
7.Y00728	SMBM-20	Ø5.5	Ø7	Ø4	42	27.6	18	32	15	5	M12*1	14g
7.Y00739	SMBM-25	Ø6.5	Ø11	Ø5	52	33.6	22	40	18	6	M12*1	27g
7.Y00738	SMBM-32	Ø6.5	Ø11	Ø5	60	40	26	46	18	6	M17*1	36g
7.Y00737	SMBM-40	Ø8.5	Ø20	Ø5	72	48	32	56	20	8	M27*1	67g

Bracket L12



PN	Model	Weight
7.Y00081	SMBT9-12	23g

Bracket T



PN	Model	Weight
7.Y00082	SMBU-12	21g

Profile / SUS Tube

Stents Module

Quick Changer

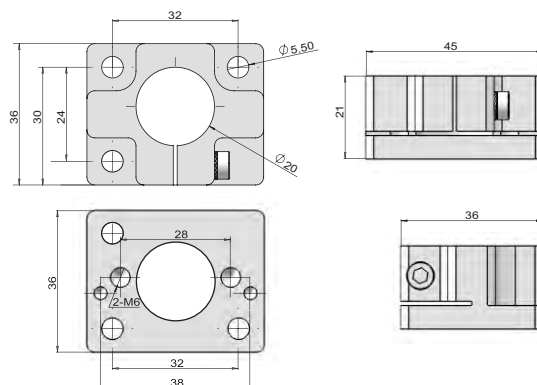
Grip Module

Air Nipper

Vacuum Module

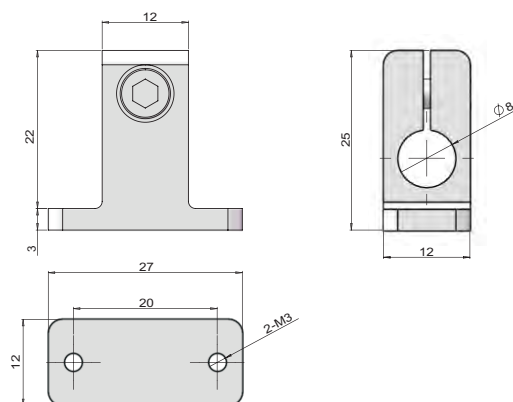
Accessory Components

Bracket T

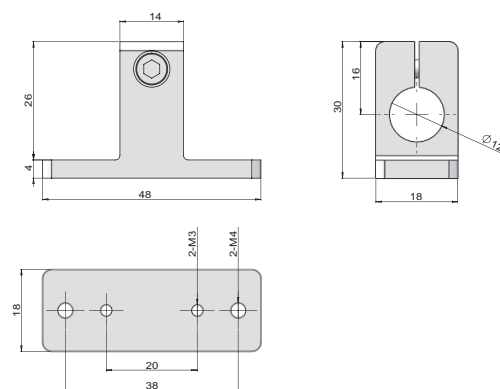


PN	Model	Weight
7.Y00255	SMBU2-20	49g

Bracket TH

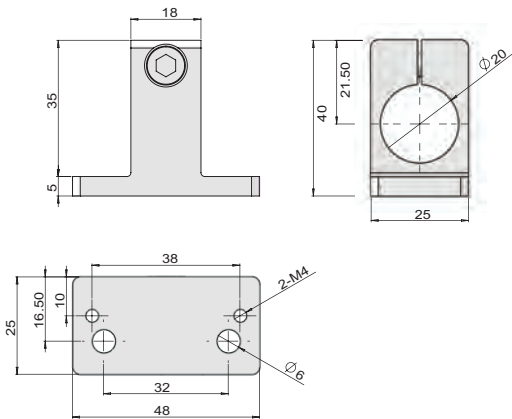


PN	Model	Weight
7.Y00085	SMBU3-8	10g



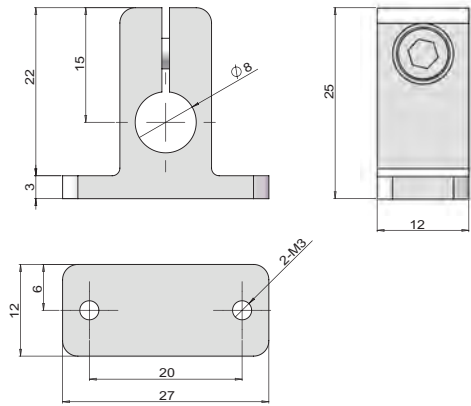
PN	Model	Weight
7.Y00086	SMBU4-12	22g

Bracket TH

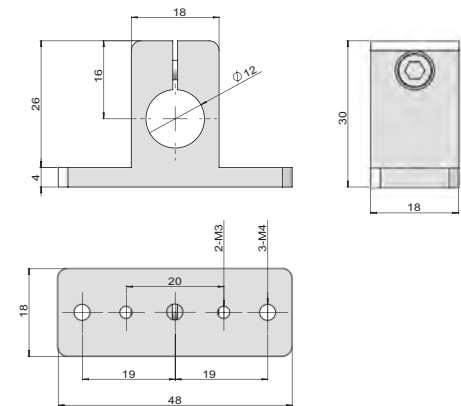


PN	Model	Weight
7.Y00087	SMBU5-20	44g

Bracket TV



PN	Model	Weight
7.Y00088	SMBU6-8	10g



PN	Model	Weight
7.Y00089	SMBU7-12	26g

Profile / SUS Tube

Stents Module

Quick Changer

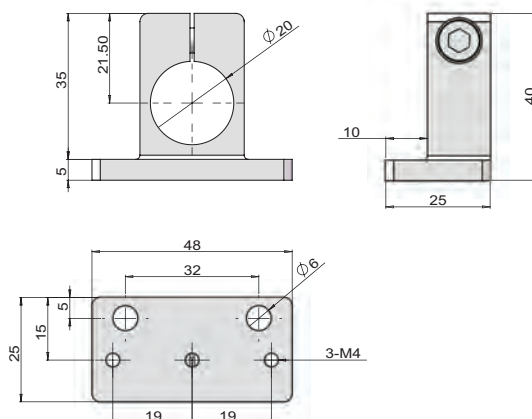
Grip Module

Air Nipper

Vacuum Module

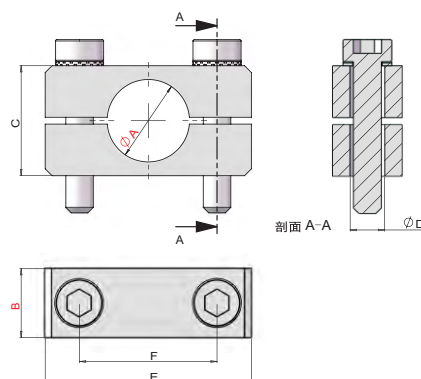
Accessory Components

Bracket T



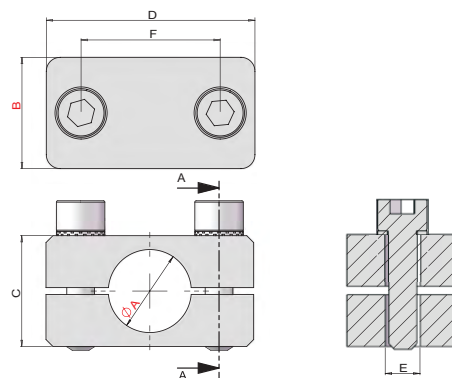
PN	Model	Weight
7.Y00090	SMBU8-20	39g

Bracket



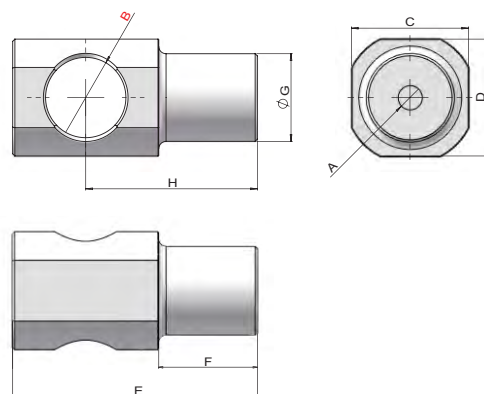
PN	Model	A	B	C	D	E	F	Weight
7.Y00091	SMBK1-8T10	Ø8	10	16	Ø5.5	30	20	20g
7.Y00092	SMBK1-12T10	Ø12	10	16	Ø5.5	30	20	14g
7.Y00093	SMBK1-20T10	Ø20	10	27	Ø6.5	40	30	36g
7.Y00094	SMBK1-8T16	Ø8	16	16	Ø6.5	30	20	32g
7.Y00095	SMBK1-12T16	Ø12	16	16	Ø4.5	30	20	20g
7.Y00096	SMBK1-20T16	Ø20	16	27	Ø6.5	40	30	48g

Slide Bracket

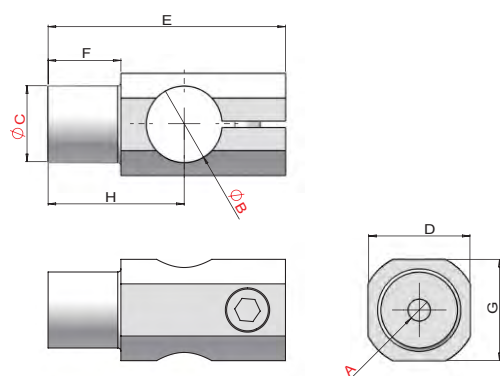


PN	Model	A	B	C	D	E	F	Weight
7.Y00064	SMBS-8T10	Ø8	10	16	30	M4	20	16g
7.Y00065	SMBS-12T10	Ø12	10	16	30	M4	20	15g
7.Y00066	SMBS-20T10	Ø20	10	25	40	M6	30	33g
7.Y00067	SMBS-8T16	Ø8	16	16	30	M6	20	29g
7.Y00001	SMBS-12T16	Ø12	16	16	30	M6	20	29g
7.Y00068	SMBS-20T16	Ø20	16	25	40	M6	30	44g

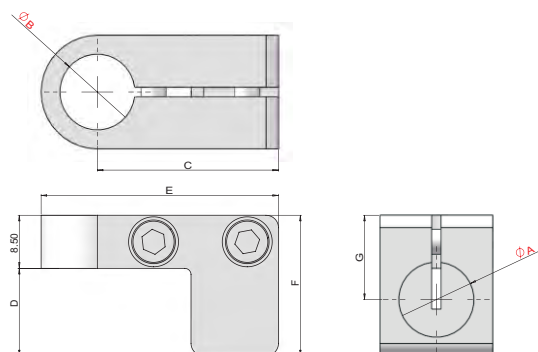
Rotation Bracket



PN	Model	A	B	C	D	E	F	G	H	Weight
7.Y00099	SMBR2-M10	M4	M10	14	14	26.5	11.5	Ø8	19	6g
7.Y00100	SMBR2-M12	M4	M12	16	16	33.5	13.5	Ø12	23.5	12g



PN	Model	A	B	C	D	E	F	G	H	Weight
7.Y00103	SMBR4-0808M4	M4	Ø8	Ø8	12	32.5	11.5	12	17.5	7g
7.Y00110	SMBR4-1208M4	M4	Ø12	Ø8	16	37.5	11.5	16	21.5	13g
7.Y00019	SMBR4-1212M4	M4	Ø12	Ø12	16	39.5	13.5	16	23.5	15g
7.Y00268	SMBR4-1212M4L	M4	Ø12	Ø12	16	55	29	16	39	20g
7.Y00461	SMBR4-1420M6	M6	Ø14	Ø20	25	60	20	25	37	70g
7.Y00007	SMBR4-2020M6	M6	Ø20	Ø20	25	60	20	25	37	59g
7.Y00206	SMBR4-2020M6L	M6	Ø20	Ø20	25	85	45	25	62	81g



PN	Model	A	B	C	D	E	F	G	Weight
7.Y00111	SMBR5-1208	Ø12	Ø8	29	14	38	22.5	13.5	24g
7.Y00104	SMBR5-0808	Ø8	Ø8	29	11.5	36	20	13	16g
7.Y00112	SMBR5-1212	Ø12	Ø12	29	14	38	22.5	13.5	18g

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Rotation Bracket

Profile - SUS Tube

Stents Module

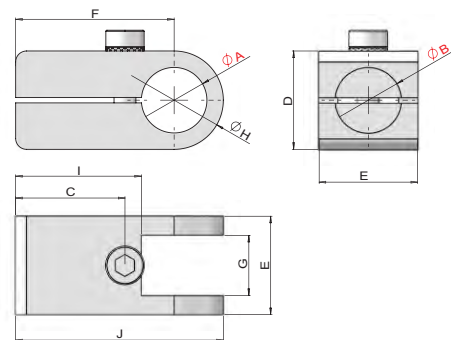
Quick Changer

Grip Module

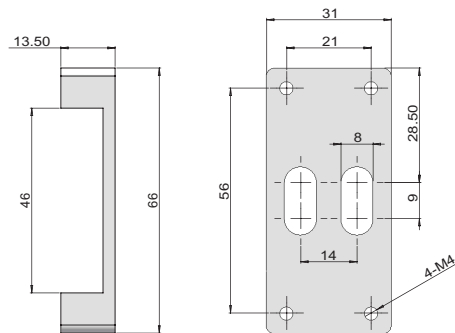
Air Nipper

Vacuum Module

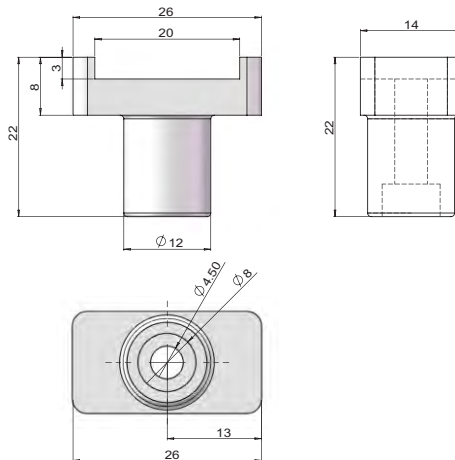
Accessory Components



PN	Model	A	B	C	D	E	F	G	H	I	J	Weight
7.Y00113	SMBR7-0808	Ø8	Ø8	M4	15	15	25	10	15	21	32.5	13g
7.Y00114	SMBR7-1212	Ø12	Ø12	M4	18	18	29	11	18	23	38	18g



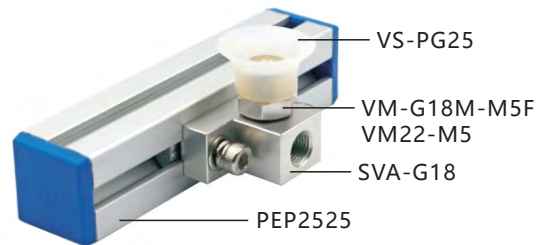
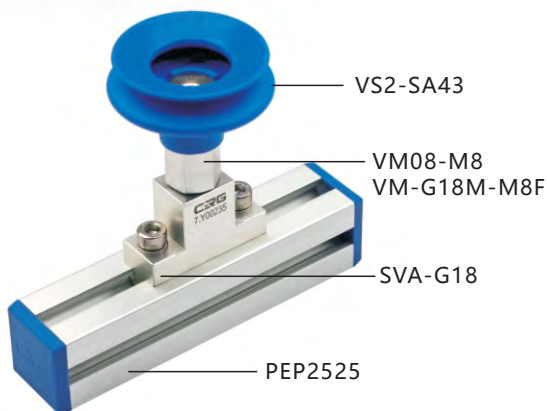
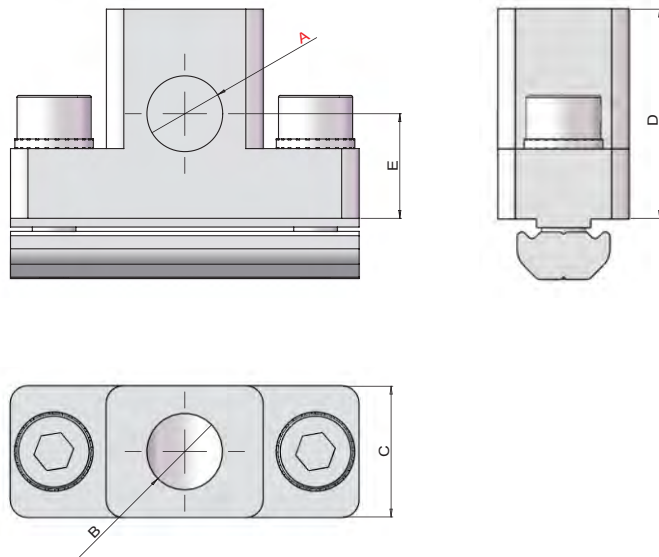
PN	Model	Weight
7.Y00063	SMBR-46	31g



PN	Model	Weight
7.Y00098	SMBR1-12	9g

Direct Connector For Vacuum Cup

SVA-G18 **T** 7.Y00235-**T**



PN	7.Y00235	7.Y00237
Model	SVA-G18	SVA-G14
A(mm)	G1/8	G1/4
B(mm)	G1/8	G1/8
C(mm)	15	15
D(mm)	24	24
E(mm)	12	10
PEP2518	√	√
PEP2525	√	√
PEP5025	√	√
PEP4040	√	√
Screws	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M5P30*1	PTN-M5P30*1
Weight	42g	40g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

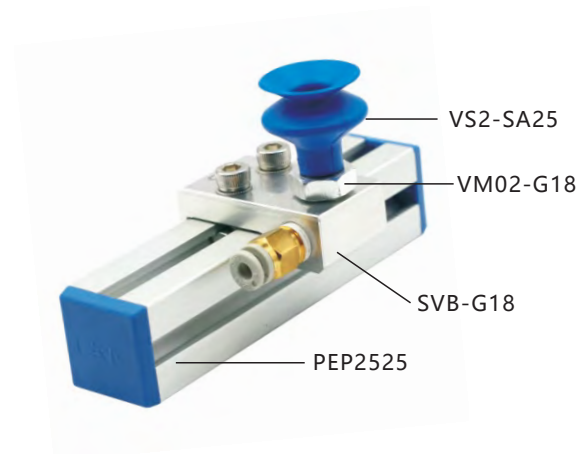
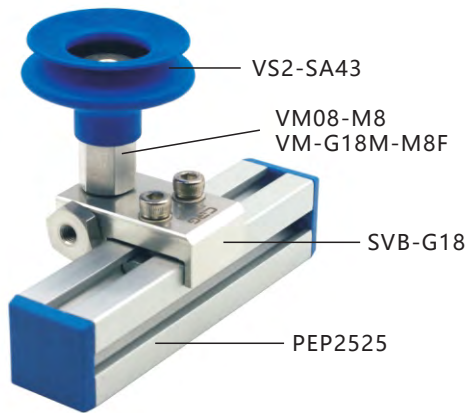
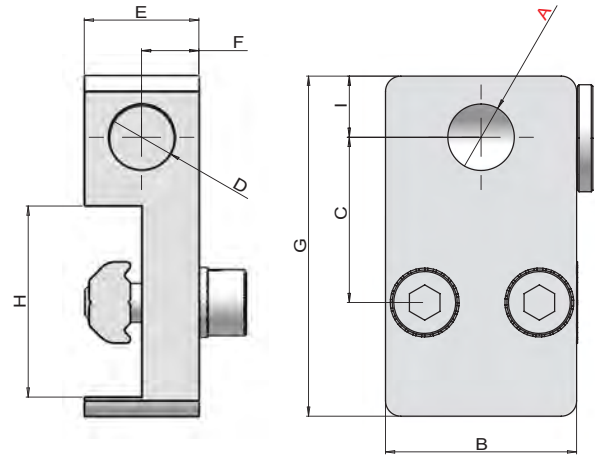
Air Nipper

Vacuum Module

Accessory Components

Direct Connector For Vacuum Cup

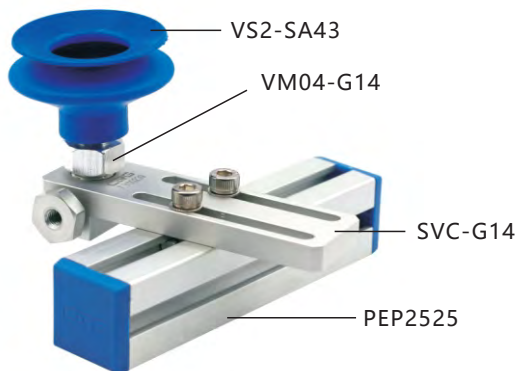
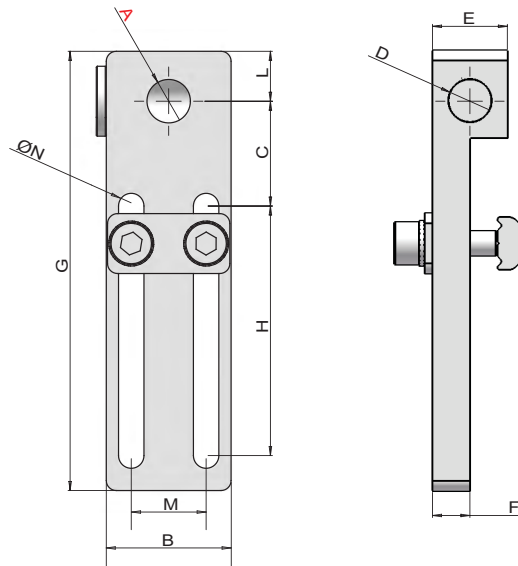
SVB-M5T 7.Y00242-T



PN	7.Y00242	7.Y00244	7.Y00243
Model	SVB-M5	SVB-G18	SVB-G14
A(mm)	M5	G1/8	G1/4
B(mm)	16	25	25
C(mm)	13.5	21.5	21.5
D(mm)	M5	G1/8	G1/8
E(mm)	8	15	15
F(mm)	4	7.5	7.5
G(mm)	29	44.5	46.5
H(mm)	18	25	25
I (mm)	4.3	8	10
PEP2518	-	√	√
PEP2525	-	√	√
PEP5025	-	√	√
Screws	PTC-M4L12*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M4*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M5P15*1	PTN-M5P15*1
Weight	15g	45g	45g

Mounting Bracket For Vacuum Cup

SVC-M5T 7.Y00328-T



PN	7.Y00328	7.Y00238	7.Y00239
Model	SVC-M5	SVC-G18	SVC-G14
A(mm)	M5	G1/8	G1/4
B(mm)	16	25	25
C(mm)	14	21	21
D(mm)	M5	G1/8	G1/8
E(mm)	8	15	15
F(mm)	4	7.5	7.5
G(mm)	65	88	88
H(mm)	40	50	50
L(mm)	6	10	10
M(mm)	8	15	15
N(mm)	Ø4.2	Ø5.2	Ø5.2
PEP2518	√	√	√
PEP2525	√	√	√
PEP5025	√	√	√
PEP4040	-	√	√
Screws	PTC-M4L12*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M4*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M5P15*1	PTN-M5P15*1
Double holes shim	PTD-M4P8*1	PTD-M5P15*1	PTD-M5P15*1
Weight	20g	60g	60g

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

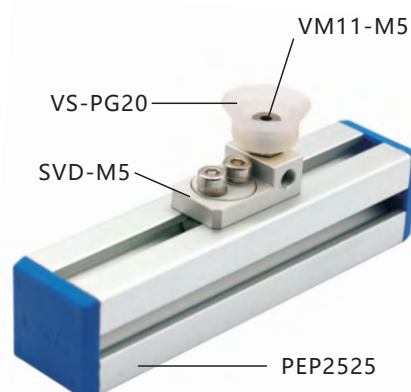
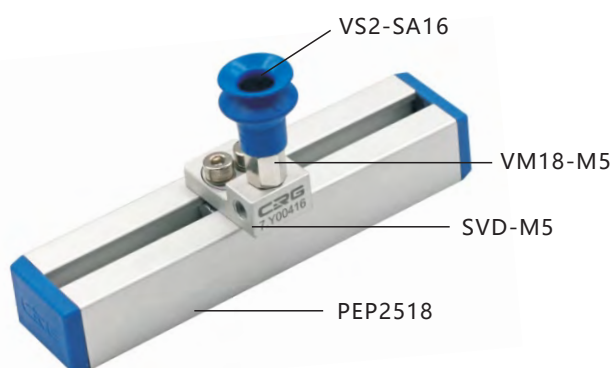
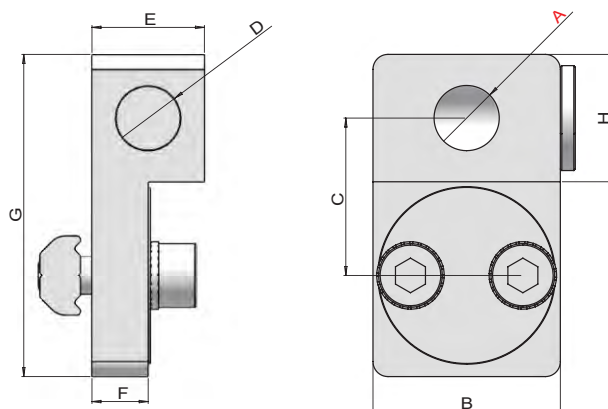
Air Nipper

Vacuum Module

Accessory Components

Mounting Bracket For Vacuum Cup

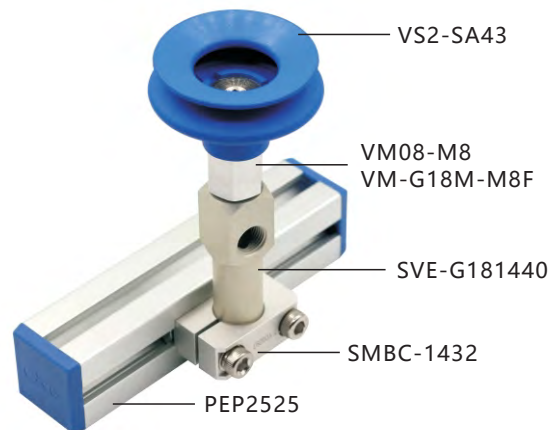
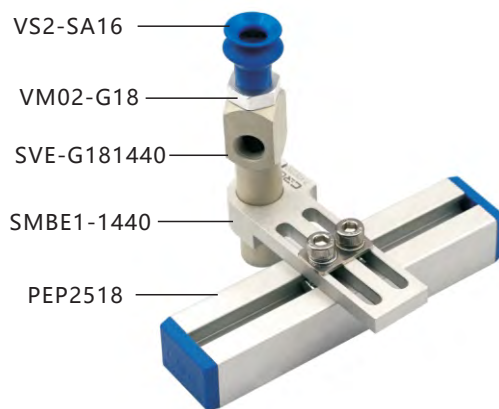
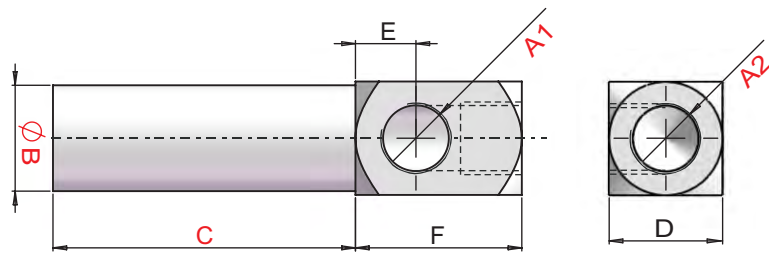
SVD-M5T 7.Y00416-T



PN	7.Y00416	7.Y00417	7.Y00418
Model	SVD-M5	SVD-G18	SVD-G14
A(mm)	M5	G1/8	G1/4
B(mm)	16	25	25
C(mm)	13	21	21
D(mm)	M5	G1/8	G1/8
E(mm)	10	15	15
F(mm)	5.3	7.8	7.8
G(mm)	28	43	43
H(mm)	10	17	17
PEP2518	√	√	√
PEP2525	√	√	√
PEP5025	√	√	√
PEP4040	-	√	√
Screws	PTC-M4L12*2	PTC-M5L16*2	PTC-M5L16*2
Single hole shim	PTS-M4*2	PTS-M5*2	PTS-M5*2
T-Nuts	PTN-M4P8*1	PTN-M5P15*1	PTN-M5P15*1
Weight	15g	45g	42g

Leg For Vacuum Cup

Application example



PN	Model	A1(mm)	A2(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	Weight
7.Y00410	SVE-M51030	M5	M5	Ø10	30	11	6	16	10g
7.Y00411	SVE-M51060	M5	M5	Ø10	60	11	6	16	13g
7.Y00412	SVE-M51090	M5	M5	Ø10	90	11	6	16	17g
7.Y00772	SVE-M51230	M5	M5	Ø12	30	13	7	17	12g
7.Y00773	SVE-M51260	M5	M5	Ø12	60	13	7	17	15g
7.Y00774	SVE-M51290	M5	M5	Ø12	90	13	7	17	19g
7.Y00413	SVE-G181440	G1/8	G1/8	Ø14	40	15	8	22	17g
7.Y00414	SVE-G181480	G1/8	G1/8	Ø14	80	15	8	22	25g
7.Y00415	SVE-G1814120	G1/8	G1/8	Ø14	120	15	8	22	32g
7.Y00008	SVE-G142050	G1/8	G1/4	Ø20	50	20	8	23	40g
7.Y00009	SVE-G1420100	G1/8	G1/4	Ø20	100	20	8	23	60g
7.Y00010	SVE-G1420150	G1/8	G1/4	Ø20	150	20	8	23	75g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

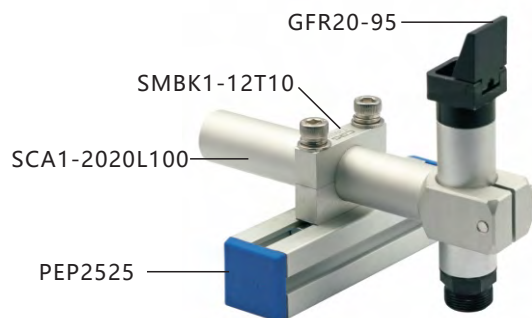
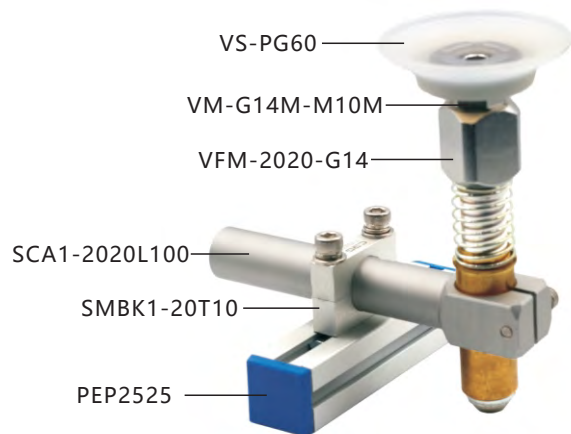
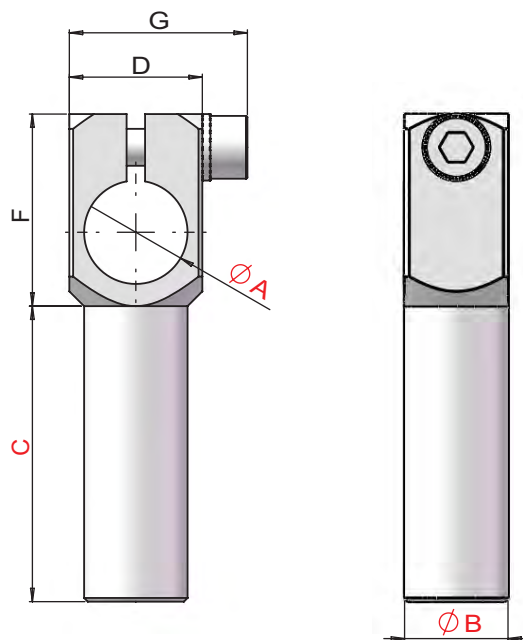
Air Nipper

Vacuum Module

Accessory Components

Clamp Leg

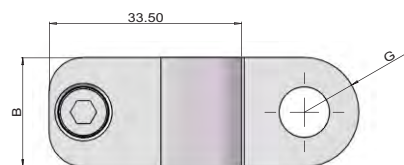
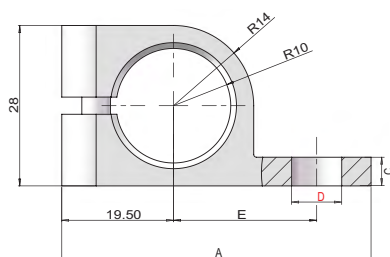
Application example



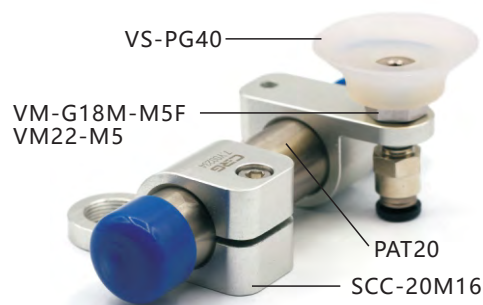
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	F(mm)	G(mm)	Weight
7.Y00398	SCA1-1010L30	Ø10	Ø10	30	14	19	19	10g
7.Y00399	SCA1-1010L60	Ø10	Ø10	60	14	19	19	15g
7.Y00400	SCA1-1010L90	Ø10	Ø10	90	14	19	19	20g
7.Y00769	SCA1-1212L30	Ø12	Ø12	30	19	21	21	13g
7.Y00770	SCA1-1212L60	Ø12	Ø12	60	19	21	21	18g
7.Y00771	SCA1-1212L90	Ø12	Ø12	90	19	21	21	23g
7.Y00401	SCA1-1414L40	Ø14	Ø14	40	18	26	24	20g
7.Y00402	SCA1-1414L80	Ø14	Ø14	80	18	26	24	30g
7.Y00403	SCA1-1414L120	Ø14	Ø14	120	18	26	24	40g
7.Y00404	SCA1-2020L50	Ø20	Ø20	50	25	32	32	45g
7.Y00405	SCA1-2020L100	Ø20	Ø20	100	25	32	32	70g
7.Y00406	SCA1-2020L150	Ø20	Ø20	150	25	32	32	105g
7.Y00407	SCA1-3030L80	Ø30	Ø30	80	40	44	46	170g
7.Y00408	SCA1-3030L140	Ø30	Ø30	140	40	44	46	230g
7.Y00409	SCA1-3030L200	Ø30	Ø30	200	40	44	46	300g

Swivelling Support

Application example

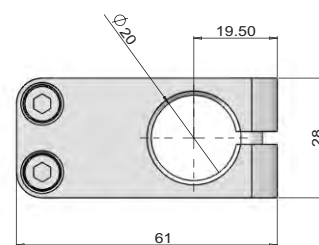
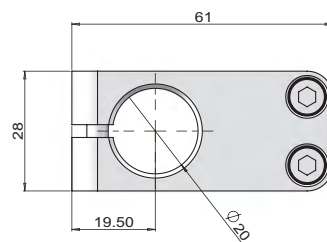
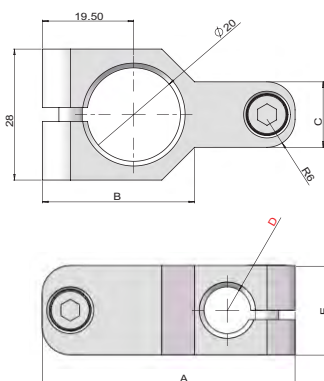


PN	7.Y00236	7.Y00234
Spec	SCC-20G18	SCC-20M16
A(mm)	53.5	60.5
B(mm)	19	24
C(mm)	5	6
D(mm)	G1/8	M16×1
E(mm)	25	29
G(mm)	R9.5	R12
Weight	30g	40g



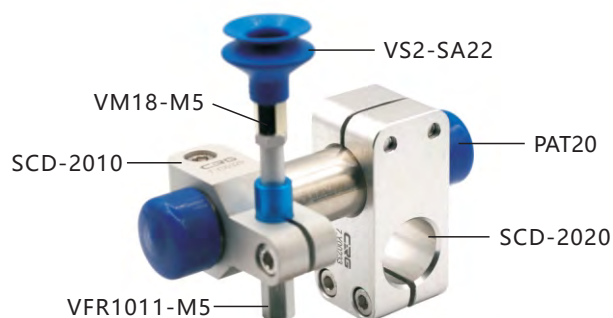
Cross Connection Block

Application example



SCD-2020

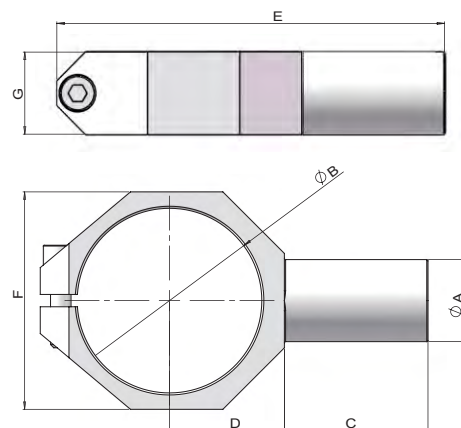
PN	7.Y00329	7.Y00330	7.Y00233
Model	SCD-2010	SCD-2014	SCD-2020
A(mm)	54	56	
B(mm)	32.5	30.5	
C(mm)	14	18	
D(mm)	Ø10	Ø14	
E(mm)	19	22	
Weight	40g	45g	70g



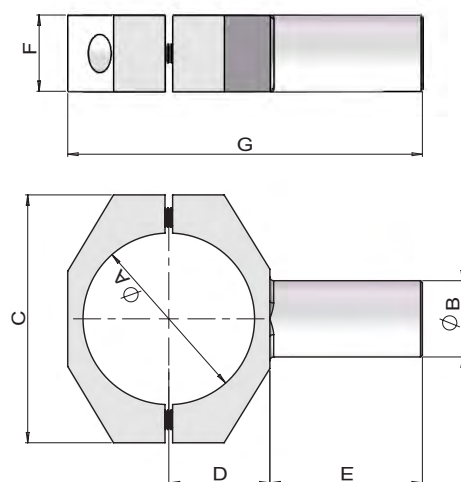
NR Nipper Mounting Bracket



PN	7.Y00331	7.Y00261	7.Y00742
Model	SCE-NR20	SCE-NR30	SCE-NR50
A(mm)	Ø20	Ø20	Ø30
B(mm)	Ø45	Ø56	Ø75
C(mm)	35	40	48
D(mm)	28	33	41
E(mm)	94.5	111	138
F(mm)	53	65	83
G(mm)	20	25	40
Weight	65g	110g	308g



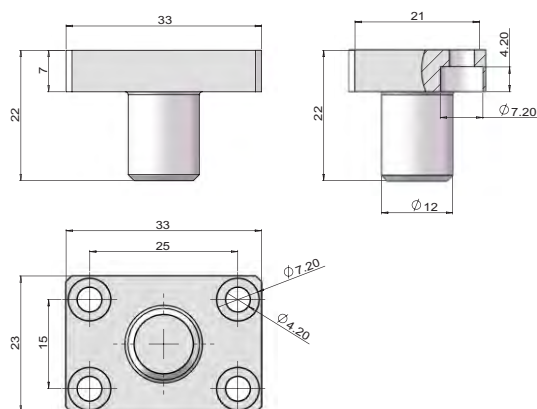
PN	7.Y00692	7.Y00693
Model	SCE1-NS20	SCE1-NS30
A(mm)	Ø45	Ø56
B(mm)	Ø20	Ø20
C(mm)	65	76
D(mm)	28	33
E(mm)	40	40
F(mm)	20	20
G(mm)	94	106
Weight	111g	123g



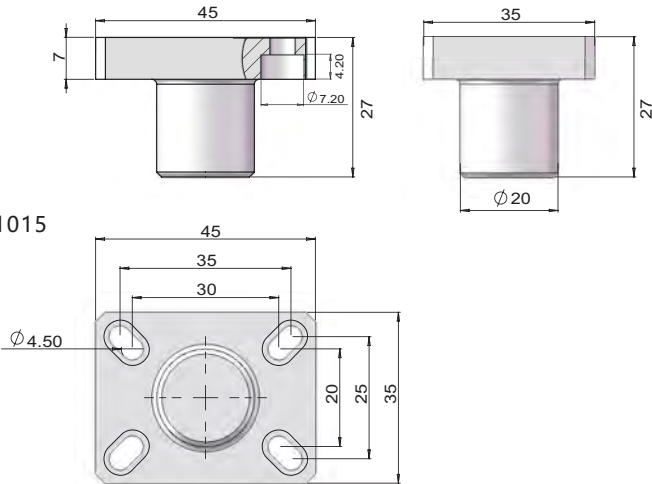
NY05 Fixing Block



PN	Model	Weight
7.Y00796	SCE2-05	17g



NY10.NY15 Fixing Block



GT-NY10

SMBE-2014T

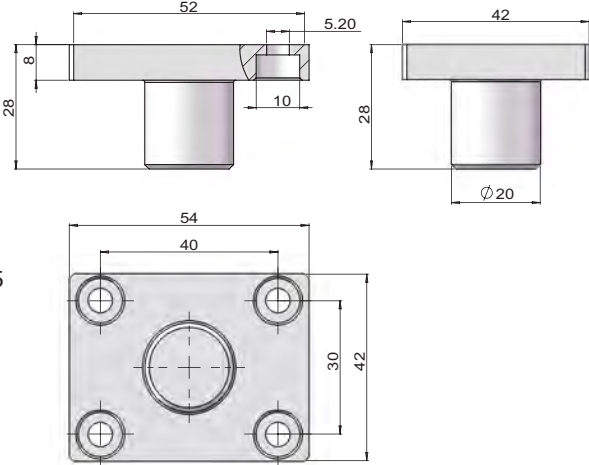
SCE2-1015

PEP2525

PN	Model	Weight
1.Y00094	SCE2-1015	38g

Profile · SUS Tube
Stents Module
Quick Changer

NY25 Fixing Block



GT-NY25

PST20

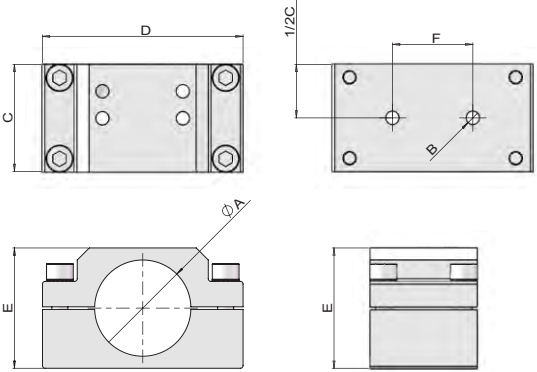
SCE2-25

SMBT-2020

PN	Model	Weight
7.Y00633	SCE2-25	61g

Grip Module
Air Nipper
Vacuum Module

Nipper Bracket



NR20-P

SCE3-N20

PN	Model	A	B	C	D	E	F	Weight
7.Y00075	SCE3-N10	Ø36	M6	40	75	45	30	246g
7.Y00076	SCE3-N20	Ø45	M6	40	75	53	30	228g
7.Y00077	SCE3-N30	Ø56	M6	40	86	63	30	267g

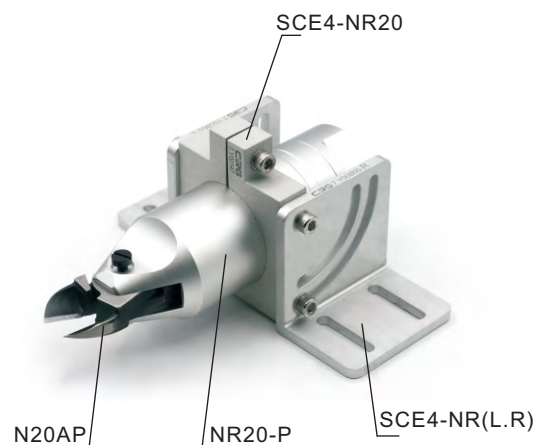
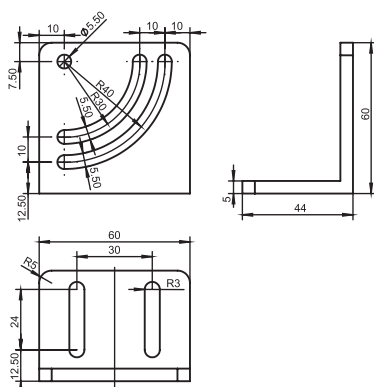
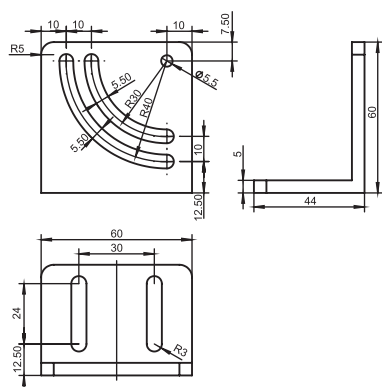
Accessory Components

Gas Cut Bracket

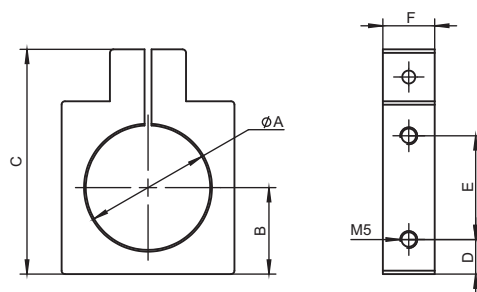


PN	7.Y00868
Model	SCE4-NR(L.R)

※L.R mate sales
 ※GT-NRuse
 ※Weight: 65.5g



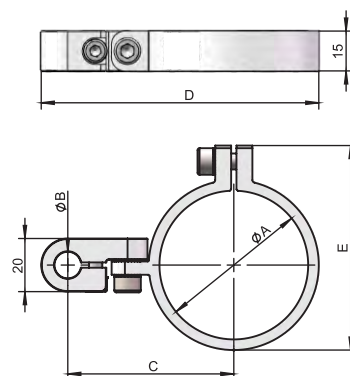
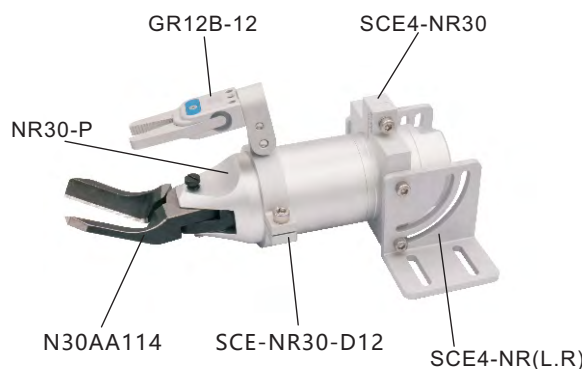
Gas cut fixation



PN	Model	A	B	C	D	E	F	Weight
7.Y00146	SCE4-NR30	56	35	85	10	40	15	111g
7.Y00147	SCE4-NR20	45	30	75	10	40	15	93g
7.Y00148	SCE4-NR10	36	25	65	10	30	15	72g

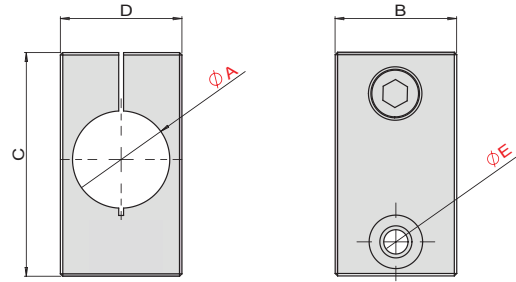
Adjustable Nipper Mounting Clamps

NEW

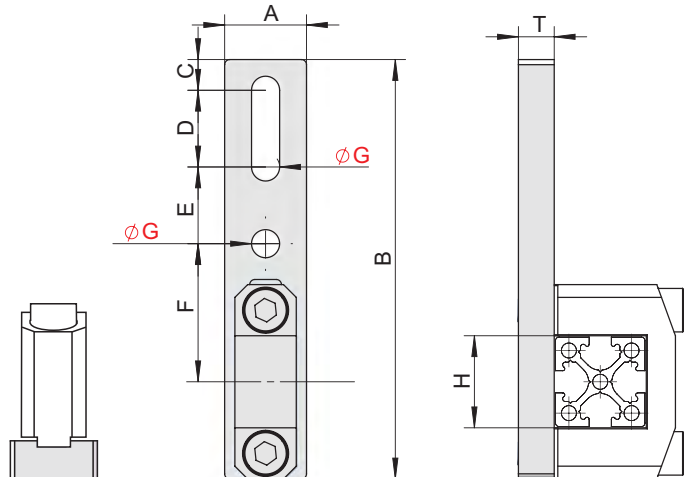


PN	Model	A	B	C	D	E	Weight
7.Y00946	SCE-NR20-D10	Ø45	Ø10	56.5	93	62	57.5
7.Y00947	SCE-NR20-D12	Ø45	Ø12	56.5	93	62	55.5
7.Y00948	SCE-NR30-D10	Ø56	Ø10	62.5	104.5	77	67.5
7.Y00949	SCE-NR30-D12	Ø56	Ø12	62.5	104.5	77	65.5

Access Robot Bracket

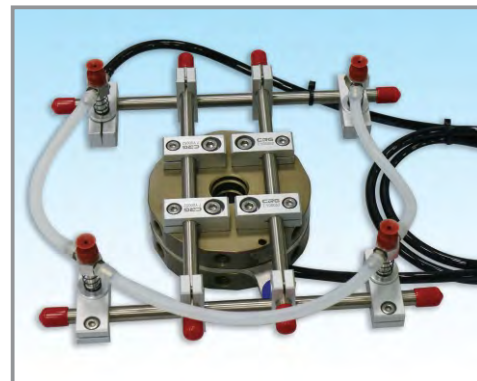


PN	Model	A	B	C	D	E	Weight
7.Y00051	SMBH1-8M5	Ø8	14	35	12	Ø5.5	15g
7.Y00052	SMBH1-8M6	Ø8	14	35	12	Ø6.5	12g
7.Y00053	SMBH1-12M5	Ø12	20	39	16	Ø5.5	30g
7.Y00002	SMBH1-12M6	Ø12	20	39	16	Ø6.5	25g
7.Y00054	SMBH1-12M8	Ø12	20	45	25	Ø9	42g
7.Y00055	SMBH1-20M6	Ø20	20	50	25	Ø6.5	48g
7.Y00056	SMBH1-20M8	Ø20	20	50	25	Ø9	51g



PN	Model	A	B	C	D	E	F	G	H	T	Weight
7.Y00869	SMBE7-18M5	16	82	6	15	15	27	Ø5.5	18	7	20.5g
7.Y00870	SMBE7-18M6	16	82	6	15	15	27	Ø6.5	18	7	20g
7.Y00871	SMBE7-25M5	16	90	7	15	15	30.5	Ø5.5	25	7	22.5g
7.Y00872	SMBE7-25M6	16	90	7	15	15	30.5	Ø6.5	25	7	22g

Application example



Slide Bracket

Profile - SUS Tube

Stents Module

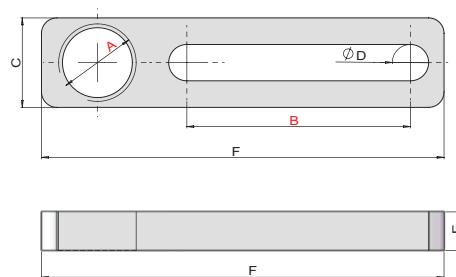
Quick Changer

Grip Module

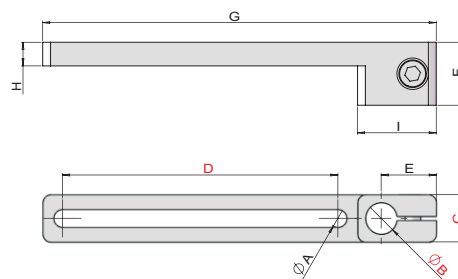
Air Nipper

Vacuum Module

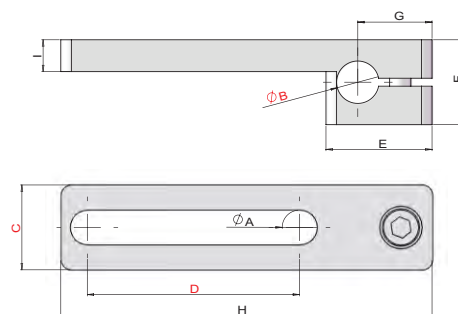
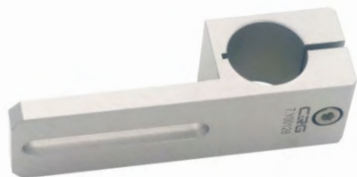
Accessory Components



PN	Model	A	B	C	D	E	F	Weight
7.Y00119	SCF3-40M10	M10*1	40	16	6.5	5	70	10g
7.Y00120	SCF3-40M12	M12*1	40	16	6.5	5	72	10g
7.Y00121	SCF3-40M17	M17*1	40	25	6.5	5	80	20g
7.Y00133	SCF3-70M10	M10*1	70	16	6.5	5	100	14g
7.Y00134	SCF3-70M12	M12*1	70	16	6.5	5	102	14g
7.Y00135	SCF3-70M17	M17*1	70	25	6.5	5	110	28g



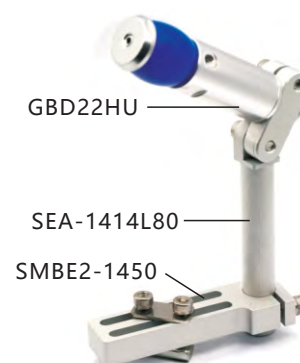
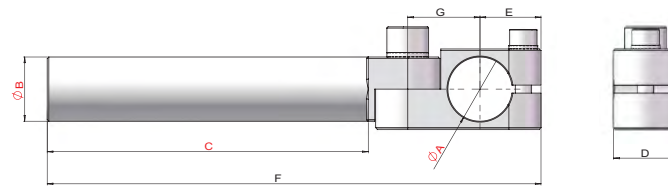
PN	Model	A	B	C	D	E	F	G	H	I	Weight
7.Y00122	SCF4-0840W12	4.5	Ø8	12	40	14	16	70	6	20	14g
7.Y00123	SCF4-0840W16	6.5	Ø8	16	40	14	16	70	6	20	20g
7.Y00004	SCF4-1240W16	6.5	Ø12	16	40	16	16	75	6	25	21g
7.Y00124	SCF4-2040W25	6.5	Ø20	25	40	20	16	86	6	34	39g
7.Y00136	SCF4-0870W12	4.5	Ø8	12	70	14	16	100	6	20	18g
7.Y00137	SCF4-0870W16	6.5	Ø8	16	70	14	16	100	6	20	25g
7.Y00138	SCF4-1270W16	6.5	Ø12	16	70	16	16	105	6	25	25g
7.Y00139	SCF4-2070W25	6.5	Ø20	25	70	20	16	116	6	34	49g



PN	Model	A	B	C	D	E	F	G	H	I	Weight
7.Y00125	SCF5-0840W16	6.5	Ø8	16	40	20	16	14	70	6	20g
7.Y00126	SCF5-0840W12	4.5	Ø8	12	40	20	16	14	70	6	15g
7.Y00127	SCF5-1240W16	6.5	Ø12	16	40	25	16	16	75	6	20g
7.Y00128	SCF5-2040W25	6.5	Ø20	25	40	34	25	20	86	6	53g
7.Y00140	SCF5-0870W16	6.5	Ø8	16	70	20	16	14	100	6	25g
7.Y00141	SCF5-0870W12	4.5	Ø8	12	70	20	16	14	100	6	19g
7.Y00142	SCF5-1270W16	6.5	Ø12	16	70	25	16	16	105	6	25g
7.Y00143	SCF5-2070W25	6.5	Ø20	25	70	34	25	20	116	6	48g

Elbow Arm

Application example



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Weight
7.Y00388	SEA-1010L60	Ø10	Ø10	60	10	13	93	12.5	20g
7.Y00776	SEA-1212L60	Ø12	Ø12	60	12	15	98	14.5	22g
7.Y00389	SEA-1414L40	Ø14	Ø14	40	14	16	82	16.5	32g
7.Y00390	SEA-1414L80	Ø14	Ø14	80	14	16	122	16.5	42g
7.Y00391	SEA-1414L120	Ø14	Ø14	120	14	16	162	16.5	50g
7.Y00392	SEA-2020L50	Ø20	Ø20	50	20	19	104	22.5	70g
7.Y00393	SEA-2020L100	Ø20	Ø20	100	20	19	154	22.5	90g
7.Y00394	SEA-2020L150	Ø20	Ø20	150	20	19	204	22.5	120g
7.Y00395	SEA-3030L80	Ø30	Ø30	80	30	27	160	34.8	235g
7.Y00396	SEA-3030L140	Ø30	Ø30	140	30	27	220	34.8	300g
7.Y00397	SEA-3030L200	Ø30	Ø30	200	30	27	280	34.8	360g

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

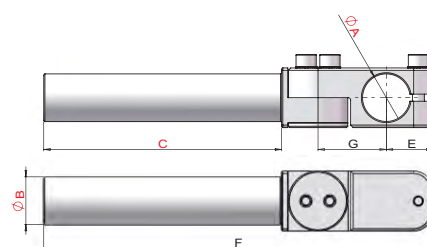
Air Nipper

Vacuum Module

Accessory Components

Heavy Duty Elbow Arm

Application example



VFE2026-G18

SEAH-2020L50

SMBE1-2060



GFR20-95

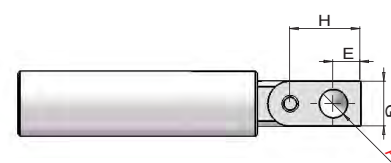
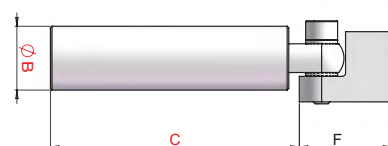
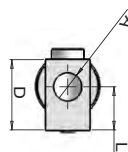
SEAH-2020L50

SMBE1-2060

PN	7.Y00350	7.Y00351	7.Y00166	7.Y00352	7.Y00353	7.Y00354
Model	SEAH-2020L50	SEAH-2020L100	SEAH-2020L150	SEAH-3030L80	SEAH-3030L140	SEAH-3030L200
A(mm)	Ø20	Ø20	Ø20	Ø30	Ø30	Ø30
B(mm)	Ø20	Ø20	Ø20	Ø30	Ø30	Ø30
C(mm)	50	100	150	80	140	200
D(mm)	25	25	25	35	35	35
E(mm)	19.5	19.5	19.5	27.3	27.3	27.3
F(mm)	113.5	163.5	213.5	168.5	228.5	288.5
G(mm)	28.7	28.7	28.7	40.7	40.7	40.7
Weight	95g	115g	130g	330g	380g	435g

Elbow Arm For Vacuum Cup

Application example



VS2-SA43

VM04-G14

SEAV-G1420L75

SMBE4-2012

PEP2525



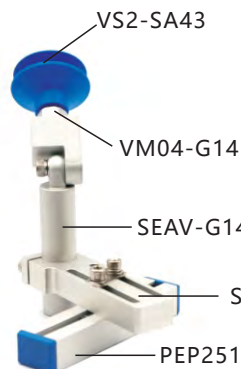
VS2-SA43

VM04-G14

SEAV-G1420L75

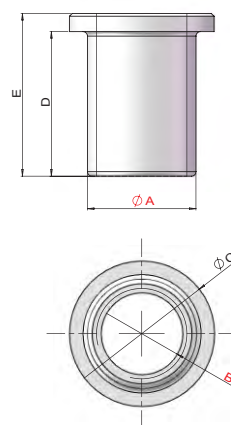
SMBE2-2060

PEP2518

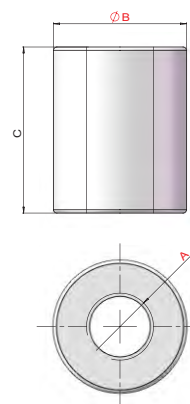


PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	L(mm)	Weight
7.Y00432	SEAV-M510L45	M5	Ø10	45	16.5	5.5	19	10	22	11	18g
7.Y00433	SEAV-M510L90	M5	Ø10	90	16.5	5.5	19	10	22	11	27g
7.Y00258	SEAV-G1814L60	G1/8	Ø14	60	22	8.5	29	14	22	13.5	33g
7.Y00434	SEAV-G1814L120	G1/8	Ø14	120	22	8.5	29	14	22	13.5	50g
7.Y00435	SEAV-G1820L78	G1/8	Ø20	78	22	8.5	29	14	22	13.5	60g
7.Y00247	SEAV-G1820L153	G1/8	Ø20	153	22	8.5	29	14	22	13.5	100g
7.Y00436	SEAV-G1420L75	G1/4	Ø20	75	27	12	38	20	28	15	75g
7.Y00437	SEAV-G1420L150	G1/4	Ø20	150	27	12	38	20	28	15	115g

Bush Nut

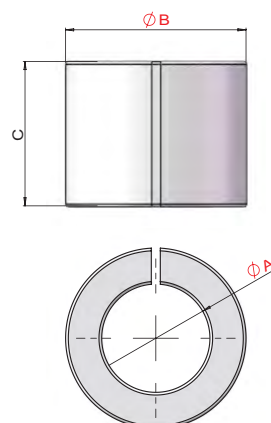


PN	Model	A	B	C	D	E	Weight
7.Y00271	SBNA-8M5	Ø8	M5x0.8	Ø12	8	10	1g
7.Y00272	SBNA-8M6	Ø8	M6x1.0	Ø12	8	10	1g
7.Y00273	SBNA-12M5	Ø12	M5x0.8	Ø16	16	18	5g
7.Y00274	SBNA-12M10	Ø12	M10x1.0	Ø16	16	18	3g
7.Y00276	SBNA-20M12	Ø20	M12x1.0	Ø24	16	18	11g
7.Y00277	SBNA-20M17	Ø20	M17x1.0	Ø24	16	18	5g



PN	Model	A	B	C	Weight
7.Y00275	SBNB-12PT18	PT1/8	Ø12	16	2g
7.Y00278	SBNB-20PT18	PT1/8	Ø20	25	17g

Bush



PN	Model	A	B	C	Weight
7.Y00280	SBND-1208	Ø8	Ø12	16	6g
7.Y00281	SBND-2012	Ø12	Ø20	16	9g
7.Y00282	SBND-2008	Ø8	Ø20	16	11g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Quick Changer

Product image



QC-R90K



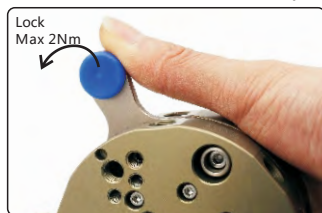
QC-G90



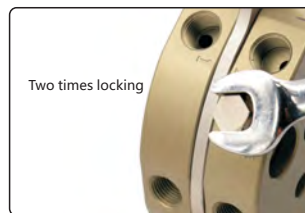
Easy replacement of the EOAT on the robot.
Suitable also with vacuum ports.
Avoids mistakes in pneumatic and electrical connections. 4, 8, 10 or 12 pneumatic connections.
The two parts (robot side and gripper side) are supplied separately.

Model	QC50	QC90	QC150	QC160	QC200
Medium	Filtered compressed air				
Pressure range	5~6 bar				
Temperature range	5 ~ 60 °C				
Robot side quick changer	QC-R50 QC-R50K	QC-R90 QC-R90K	QC-R150K	QC-R160K	QC-R200K
Robot side quick changer weight	103 g	318 g	1159 g	1200 g	2640 g
Gripper side quick changer	QC-G50	QC-G90	QC-G150	QC-G160	QC-G200
Gripper side quick changer weight	65 g	227 g	837g	900 g	1890 g
F	150N	400N	1000N	1000N	2000N
Mt	20Nm	100Nm	250Nm	250Nm	600Nm
Mb	10Nm	60Nm	150Nm	150Nm	300Nm
Recomended payload	5kg	15kg	35kg	35kg	75kg
Colour	Brass	Brass	Black	Brass	Black

Installation and use example



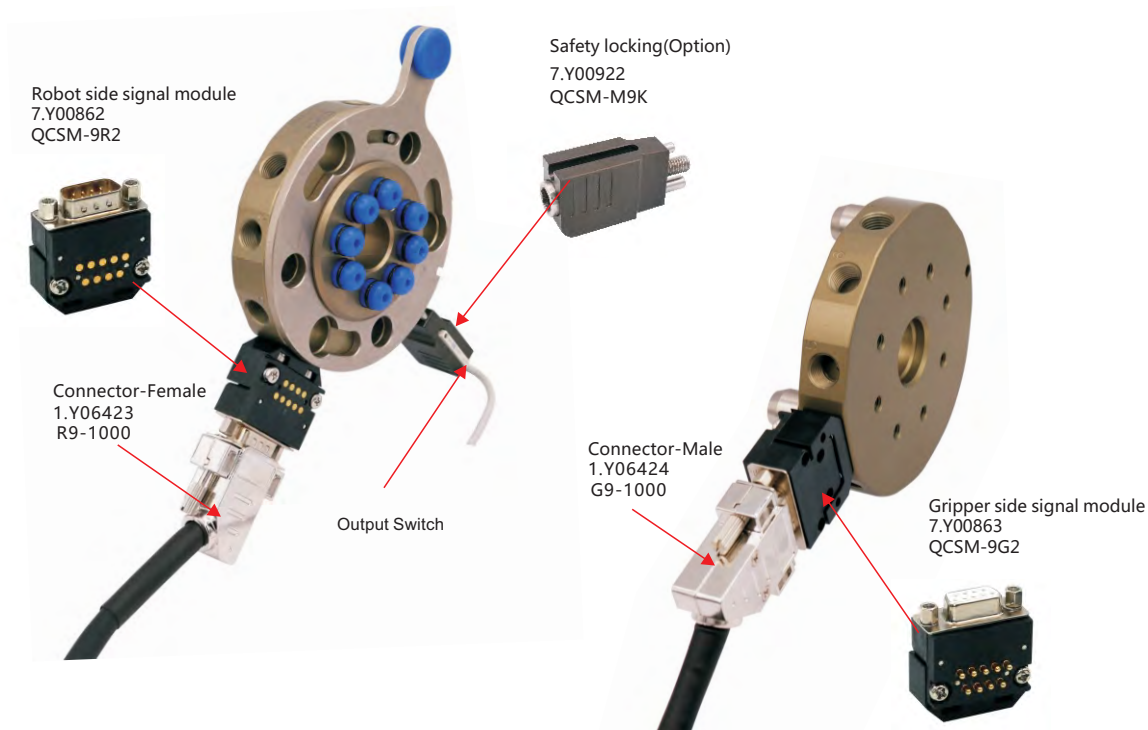
Example of Install with lock



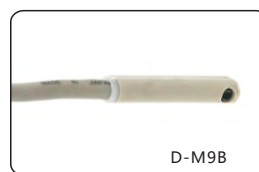
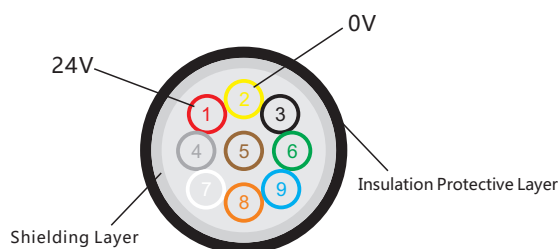
Accessories

Electrical connection module

- I/O quick change by D-SUB 9 pins connector.
- The two parts are supplied separately:
 QCSM-9R2 robot side signal module.
 QCSM-9G2 gripper side signal module.
 DB9F-45 45 degree metal female fitting
 DB9M-45 45 degree metal male fitting



Singal Wire Cross-sectional Sketch Map



P137

QCSM (Model)	9R1	9G1	9R2	9G2	9R3	9G3	9R4	9G4
PN	7.Y00823	7.Y00824	7.Y00862	7.Y00863	7.Y00819	7.Y00820	7.Y00821	7.Y00822
I/O connection type	9 pins D-SUB							
Working Current	MAX 3 A							
G9-1000 Wire-Male		✓		✓		✓		✓
R9-1000 Wire-Female	✓		✓		✓		✓	
Applicable Products	QC50		QC90	QC160	QC150		QC200	

* The wire's length is 1 meters

Quick Changer

Dimension description

Profile · SUS Tube

Stents Module

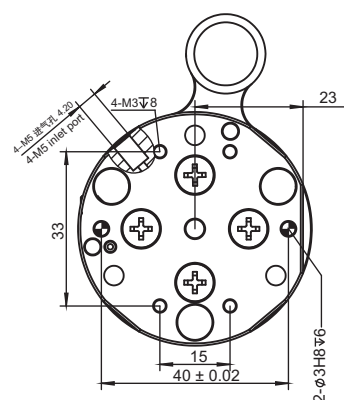
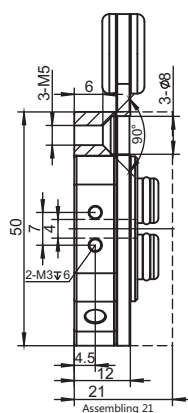
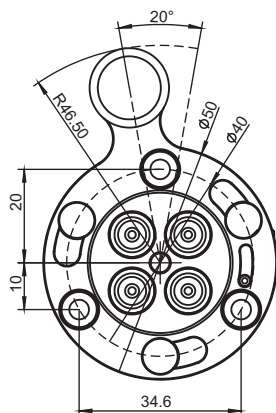
Quick Changer

Grip Module

Air Nipper

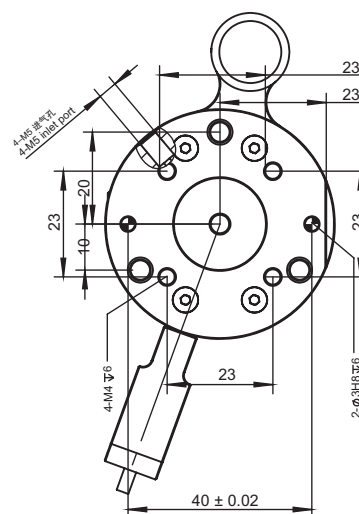
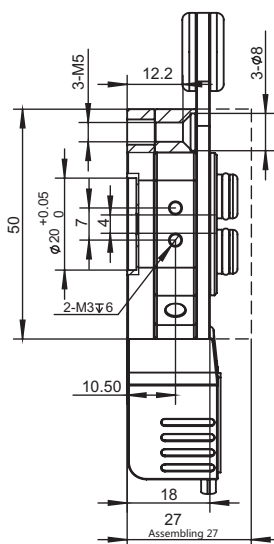
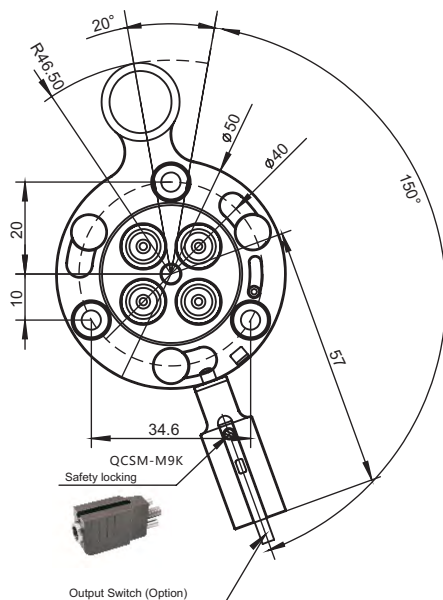
Vacuum Module

Accessory Components

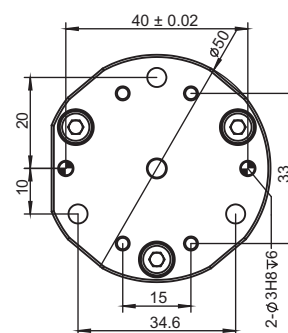
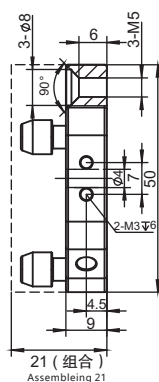
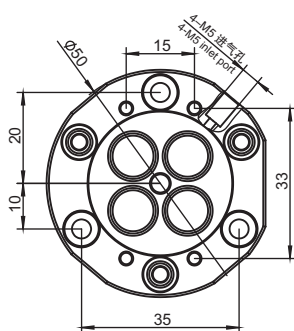


PN	8.Y00054
Model	QC-R50

NEW

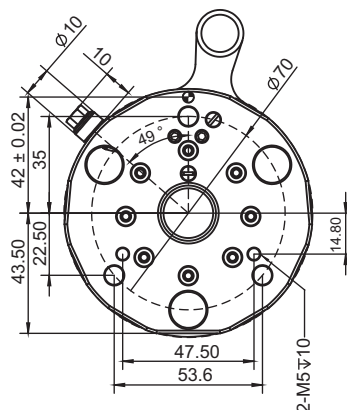


PN	8.Y00402
Model	QC-R50K

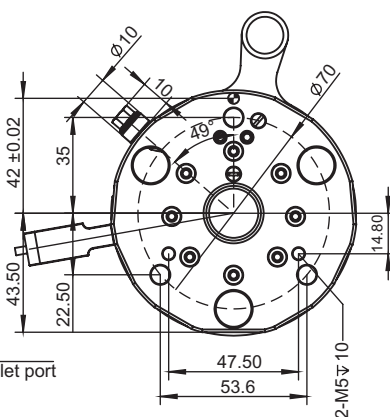
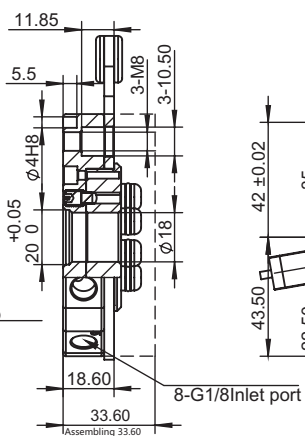


PN	8.Y00055
Model	QC-G50

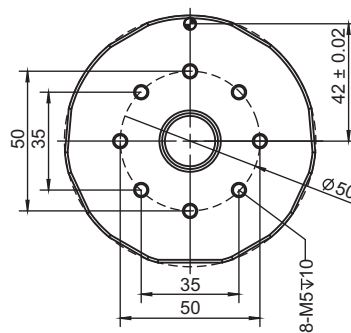
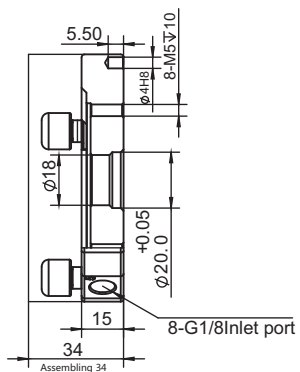
Dimension description



PN	8.Y00032
Model	QC-R90



PN	8.Y00359
Model	QC-R90K

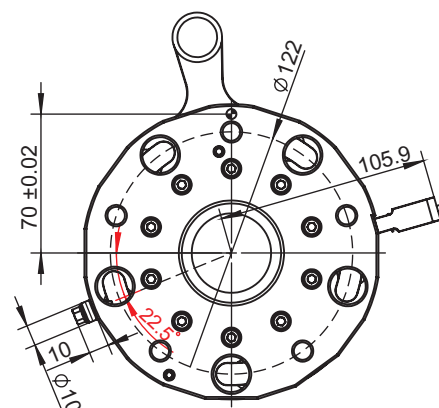
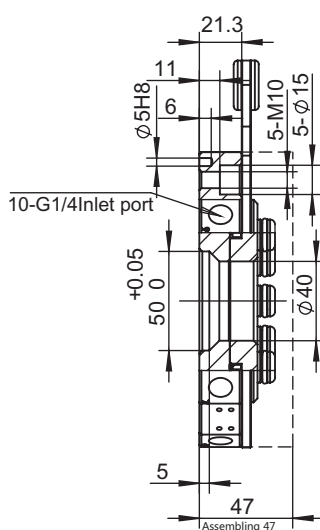
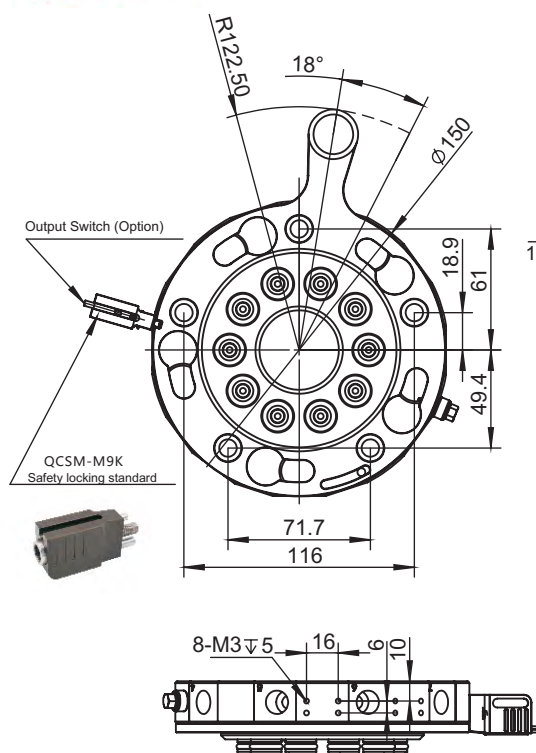


PN	8.Y00033
Model	QC-G90

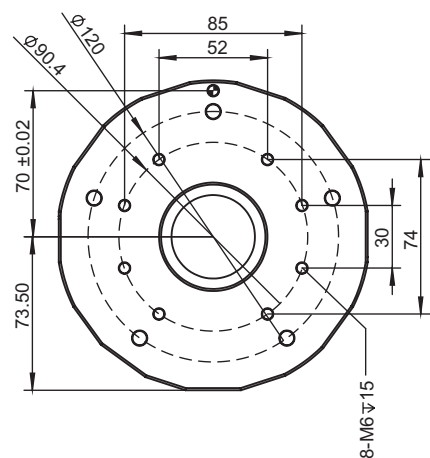
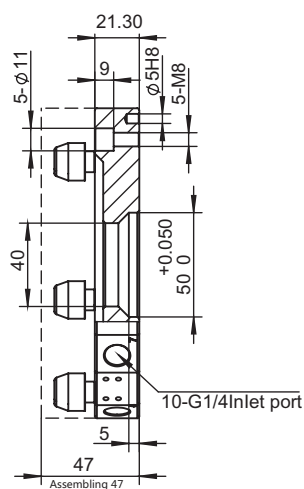
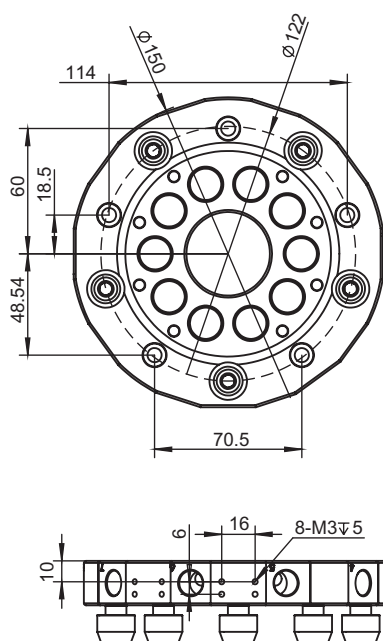
Quick Changer

Dimension description

NEW



PN	8.Y00376
Model	QC-R150K

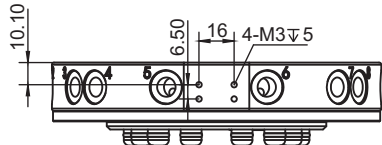
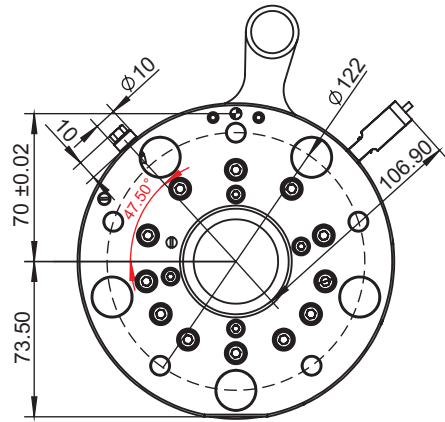
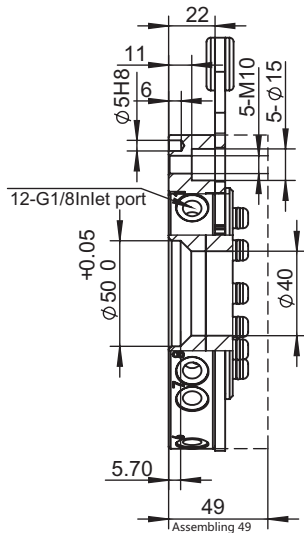
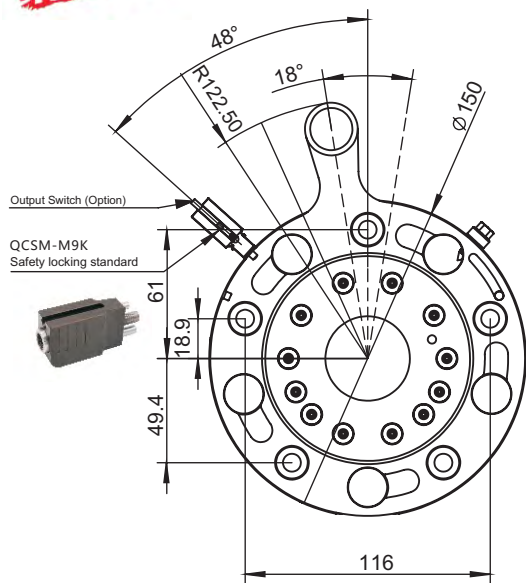


PN	8.Y00377
Model	QC-G150

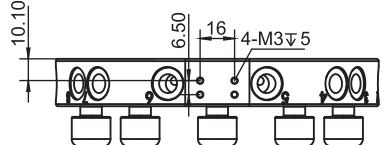
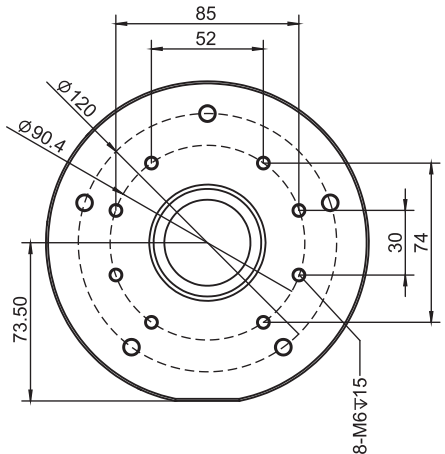
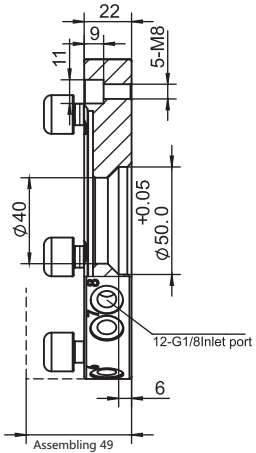
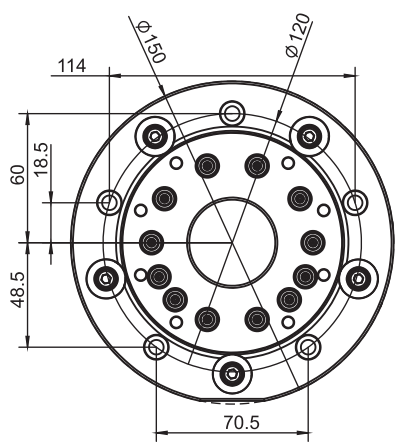
Quick Changer

Dimension description

NEW



PN	8.Y00360
Model	QC-R160K



PN	8.Y00053
Model	QC-G160

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Profile - SUS Tube

Stents Module

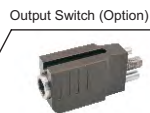
Quick Changer

Grip Module

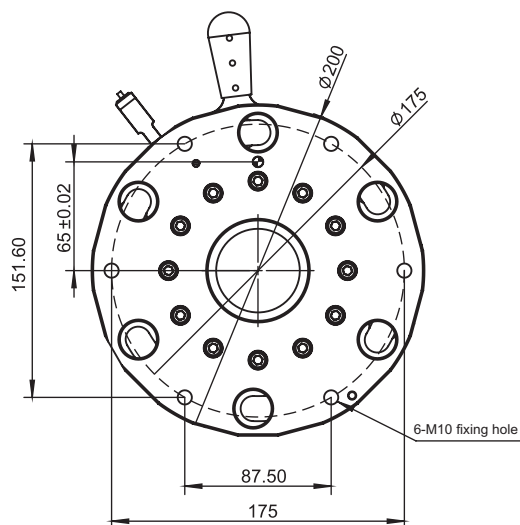
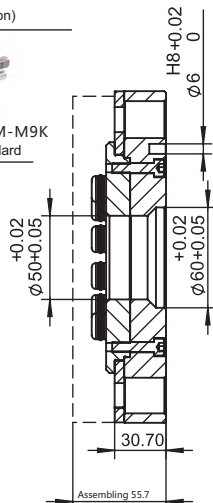
Air Nipper

Vacuum Module

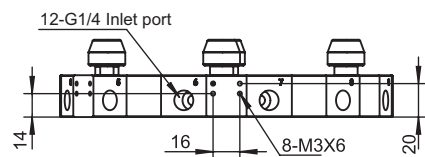
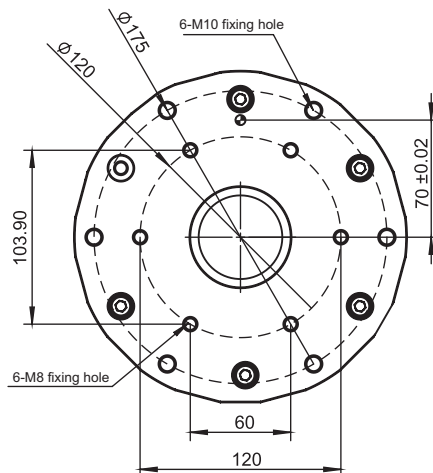
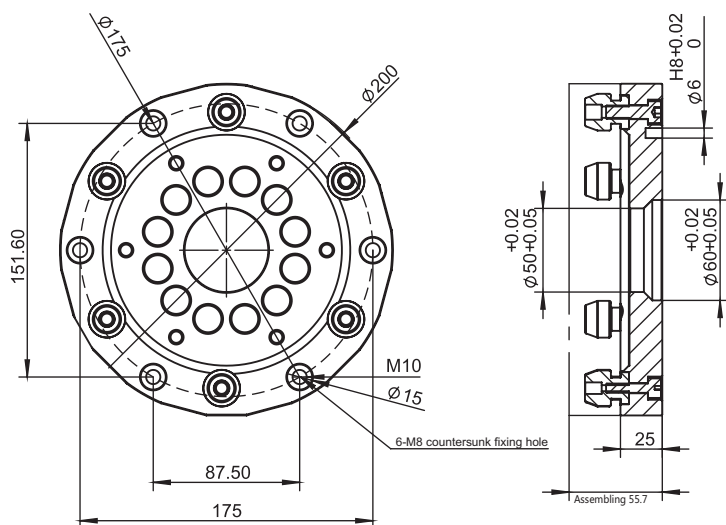
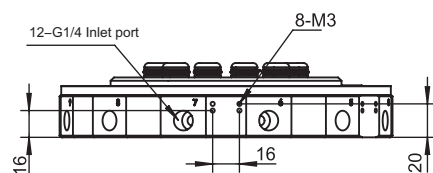
Accessory Components

[illegible]

QCSM-M9K
Safety locking standard

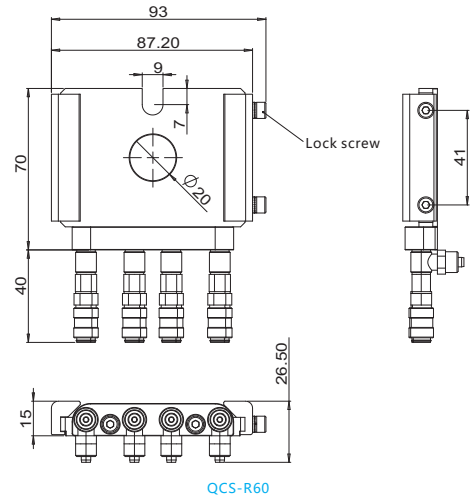
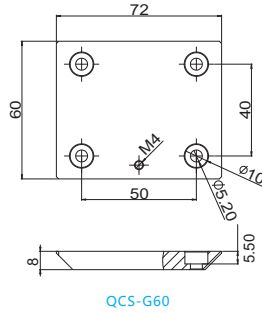


PN	8.Y00209
Model	QC-R200K



PN	8.Y00208
Model	QC-G200

Min Quick Changer

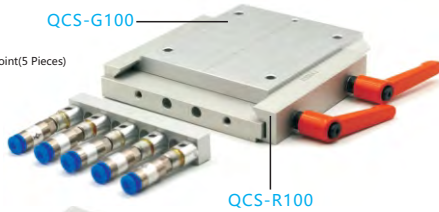


Threaded Hose Module(Optional)

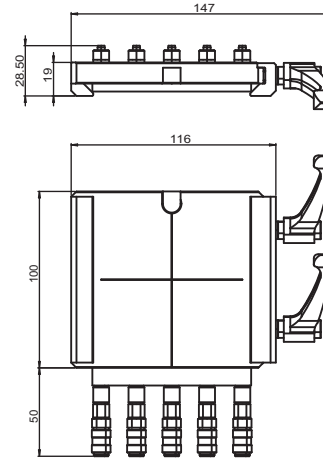
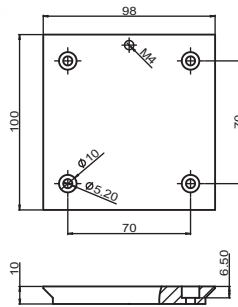
PN	8.Y00081	8.Y00082	1.Y03525	1.Y03524
Model	QCS-R60	QCS-G60	KCH04-M5	KCH06-M5
Load	70N			
Weight	148g	79g	7g	9g

QCS-G100

Unidirectional joint(5 Pieces)
KCH06-M5*5
KCH04-M5*5



QCS-R100

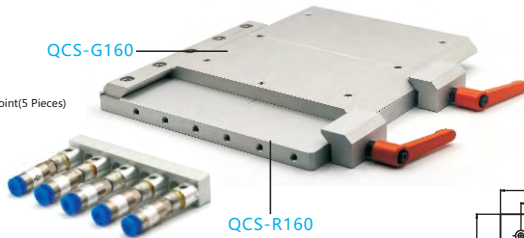


Threaded Hose Module(Optional)

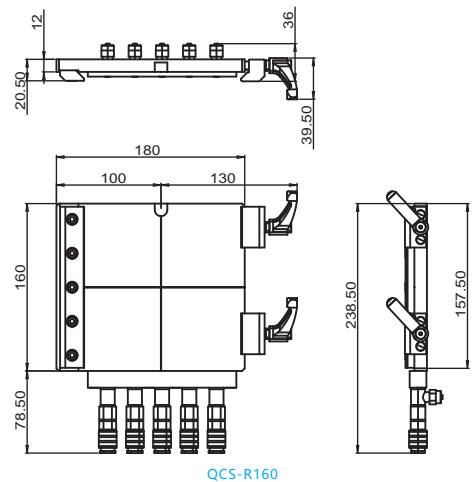
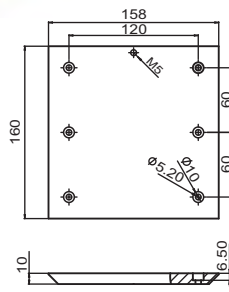
PN	7.Y00332	7.Y00175	7.Y00860	7.Y00861	7.Y00334	1.Y04667
Model	QCS-R100	QCS-G100	KCH04-M5*5	KCH06-M5*5	MS-10SF*5	MS-10PF
Load	300N					
Weight	463g	240g	86g	96g	196g	11g

QCS-G160

Unidirectional joint(5 Pieces)
KCH06-M5*5
KCH04-M5*5



QCS-R160



Threaded Hose Module(Optional)

PN	7.Y00160	7.Y00161	7.Y00860	7.Y00861	7.Y00334	1.Y04667
Model	QCS-R160	QCS-G160	KCH04-M5*5	KCH06-M5*5	MS-10SF*5	MS-10PF
Load	800N					
Weight	1198g	634g	86g	96g	196g	11g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Quick Changer

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

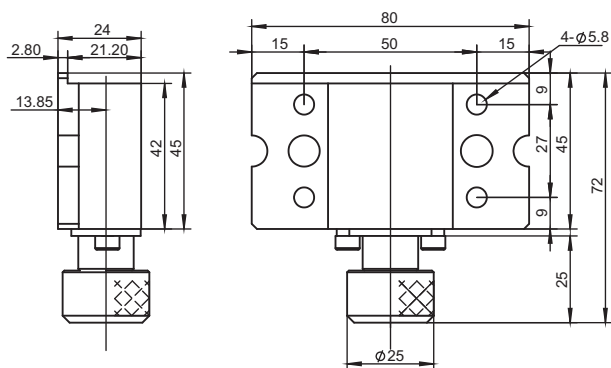
Vacuum Module

Accessory Components



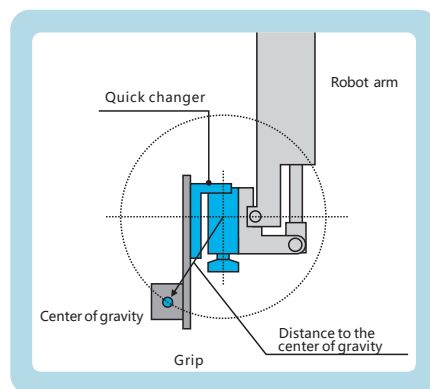
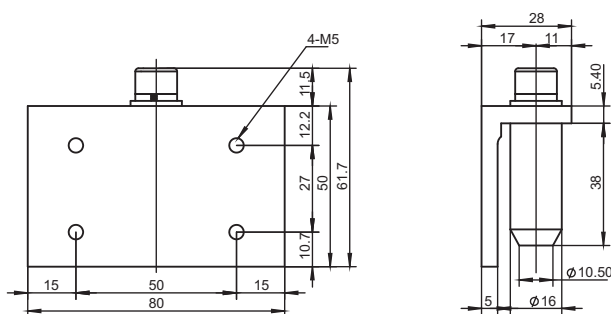
PN	1.Y01275
Model	QCL15R-Y

※ Superhard aluminum
 ※ Weight: 185g
 ※ Installation location: Robot side
 ※ Load weight: to 15kg



PN	1.Y01276
Model	QCL15G-Y

※ Steel
 ※ Weight: 294g
 ※ Installation location: Grip side
 ※ Load weight: to 15kg



Application example

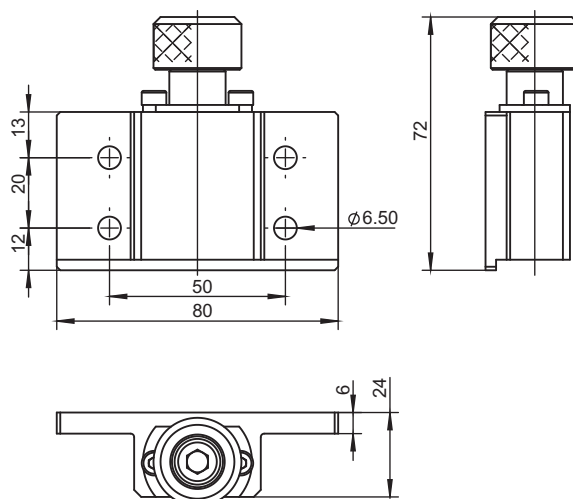


Quick Changer



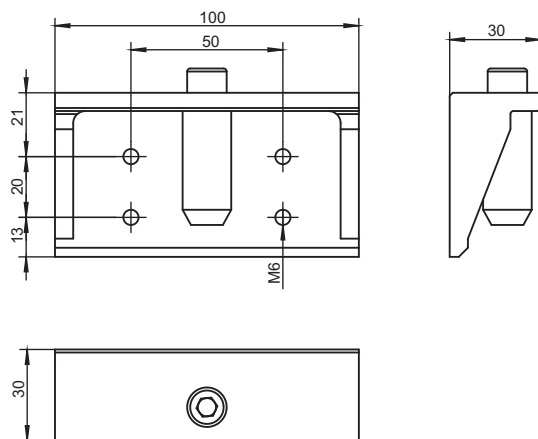
PN	8.Y00236
Model	QCL15R-S

※ Superhard aluminum
 ※ Weight: 190g
 ※ Installation location: Robot side
 ※ Load weight: to 15kg

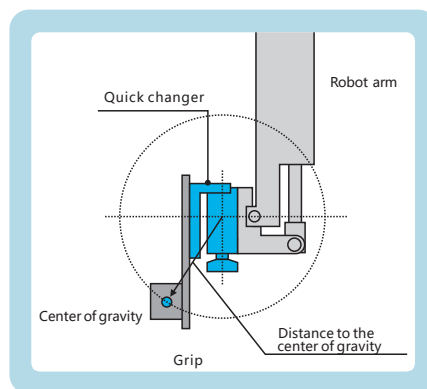


PN	8.Y00235
Model	QCL15G-S

※ Superhard aluminum
 ※ Weight: 197g
 ※ Installation location: Grip side
 ※ Load weight: to 15kg



Application example



Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Quick Changer

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

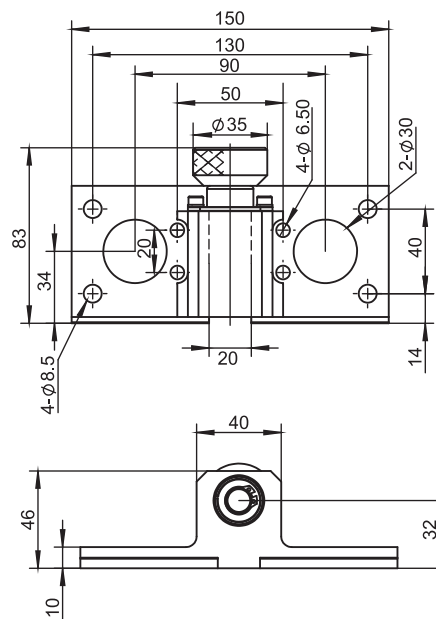
Vacuum Module

Accessory Components



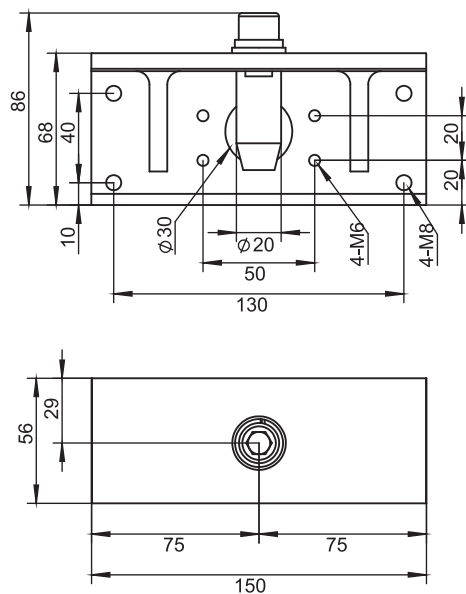
PN	8.Y00101
Model	QCL35R-S

※ Superhard aluminum
 ※ Weight: 505g
 ※ Installation location: Robot side
 ※ Load weight: to 35kg

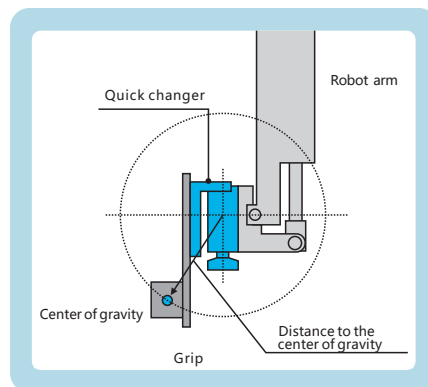


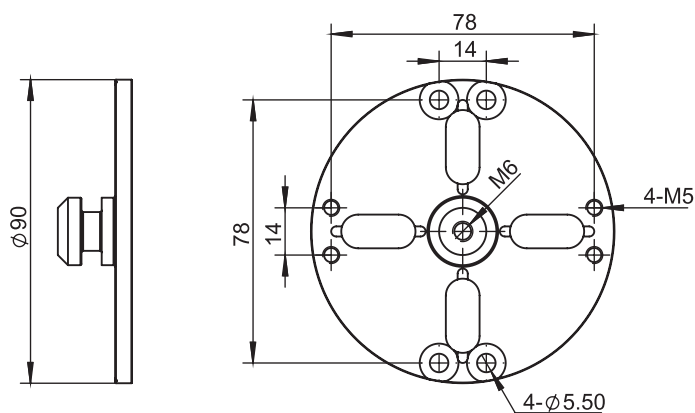
PN	8.Y00102
Model	QCL35G-S

※ Superhard aluminum
 ※ Weight: 565g
 ※ Installation location: Grip side
 ※ Load weight: to 35kg



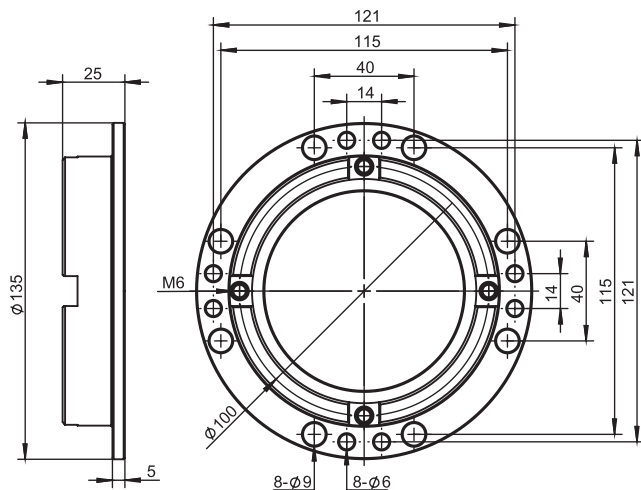
Application example





PN	4.Y00480
Model	BP90

- ※ Iron products
- ※ Weight: 234g
- ※ Installation location: Grip side



PN	4.Y00497
Model	BP135

- ※ Iron products
- ※ Weight: 660g
- ※ Installation location: Grip side

Quick Changer

Profile · SUS Tube

Stents Module

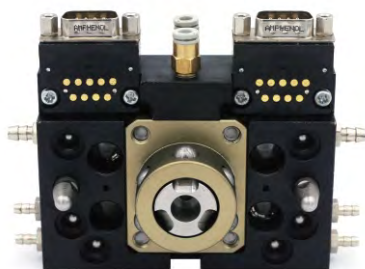
Quick Changer

Grip Module

Air Nipper

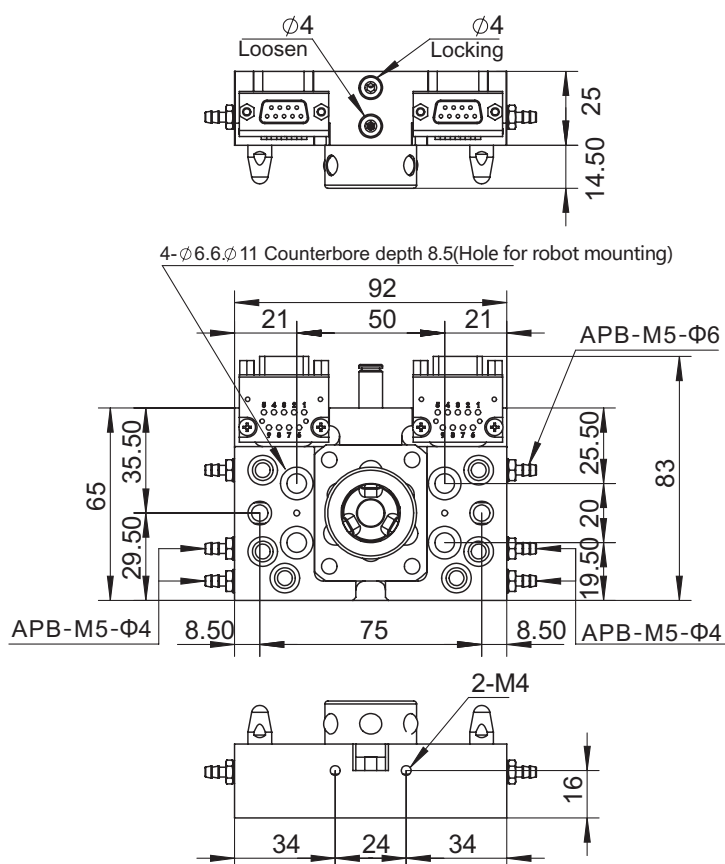
Vacuum Module

Accessory Components



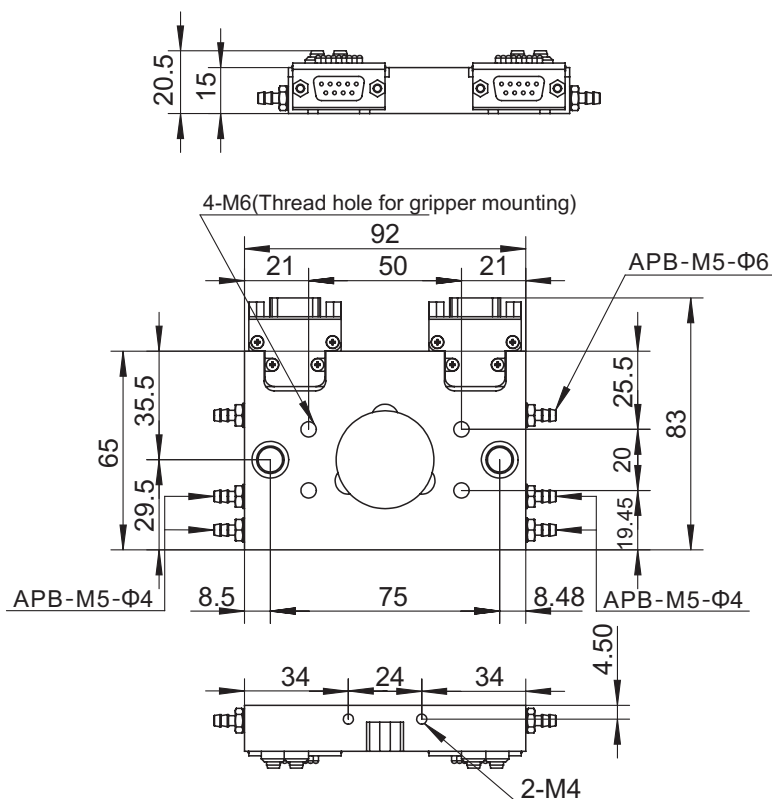
PN	8.Y00037
Model	QCA-S10R

※Installation location: Robot side
 ※Weight: 466g
 ※Load weight: to 10kg



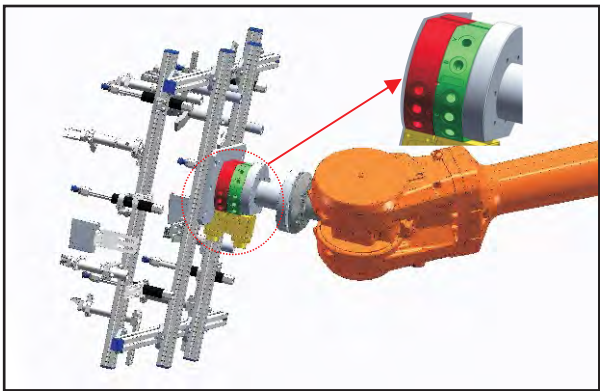
PN	8.Y00038
Model	QCA-S10G

※Installation location: Grip side
 ※Weight: 230g
 ※Load weight: to 10kg

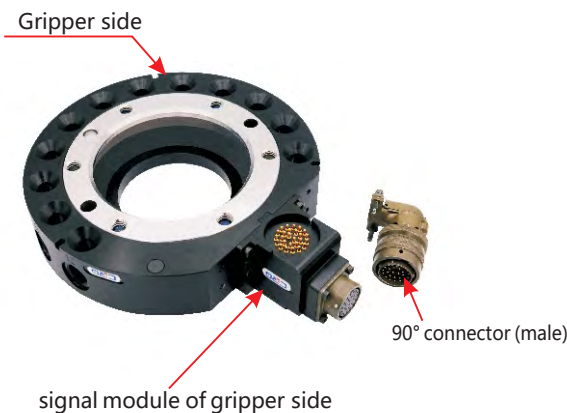
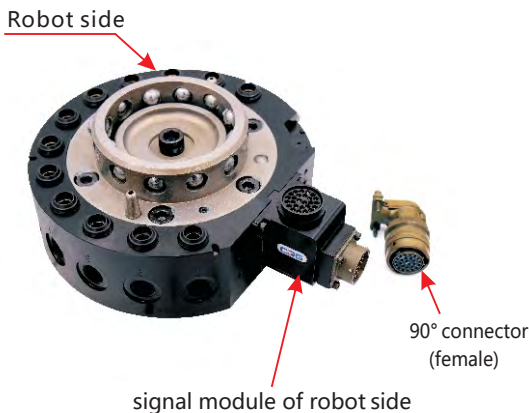


Quick Changer

NEW



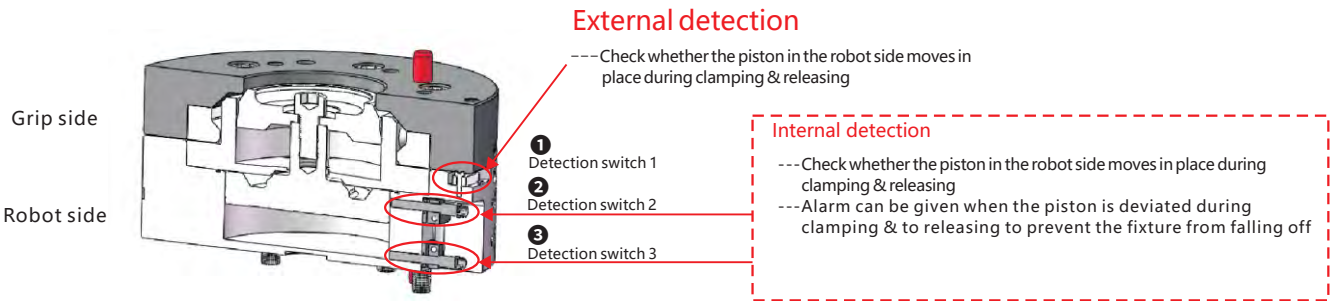
Quick Changer Installation example



Product name	QCA50				QCA200			
Recomended payload	50kg				200kg			
Gas path	9 - G 1/8				12 - G 3/8			
Signal module	Robot side		Grip side		90° connector (female)		90° connector (male)	
Model	QCSM-26R	QCSM-19R	QCSM-26G	QCSM-19G	PT08SE16-26S	PT06E14-19S	PT08SE16-26P	PT06E14-19P
PN	7.Y00464	7.Y00954	7.Y00465	7.Y00955	1.Y07209	1.Y09414	1.Y07210	1.Y09413
I/O connection type	26 pins	19 pins	26 pins	19 pins	26 pins	19 pins	26 pins	19 pins
Working Current	MAX 20A							
Applicable Products	QCA50 QCA200							

Safety capability (option)

Three safety capability switch, multiple protection



Accessory Components

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



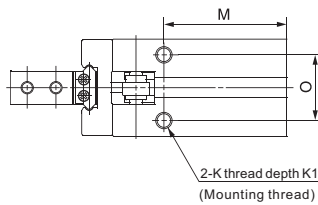
Technical drawing of the locking sensor assembly (Fig. 1). The drawing shows a circular component with a central hole of diameter 25 mm and a hole spacing of 2.50 mm. The outer diameter is 125 mm. There are six mounting holes with a diameter of 10.70 mm, spaced 60 degrees apart. The component is mounted on a base with a locking sensor. The base has a diameter of 200 mm and a hole spacing of 15 mm. The base is made of H7 material. The locking sensor is a rectangular component with a circular hole and a locking mechanism.



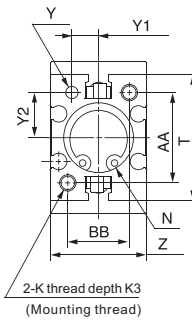
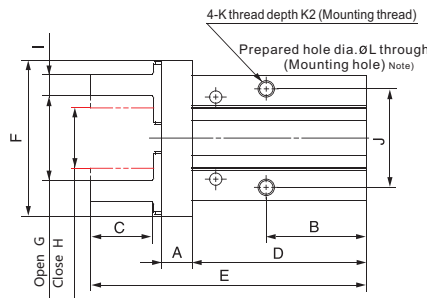
Parallel Gripper



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℃					
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				

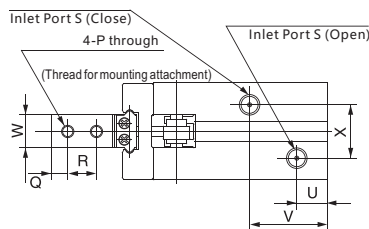


GMHZ2 Standard type		20	D
Parallel opening and closing type			
Bore			
10	10mm		
16	16mm		
20	20mm		
25	25mm		
32	32mm		
40	40mm		
Action mode			
D	Double action		
S	Single action (Open)		



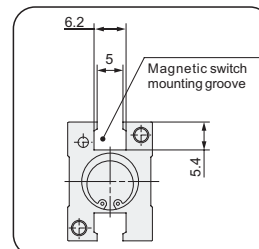
Gripping force

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



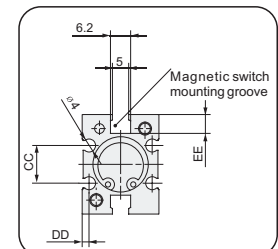
* For single action, the port on one side is a breathing hole.

GMHZ2-10□ Magnetic Switch Mounting Groove Dimensions



Note) When using Magnetic switches, through-hole 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, through-hole 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 ^{+0.2} _{-0.2}	11.2 ^{+0.2} _{-0.2}	4 ^{+0.1} _{-0.1}	16	M3x0.5	6	5.5	6	2.6	27	Ø11H9T 2
16	7.5	24.5	15	42.5	67.3	38	20.9 ^{+0.2} _{-0.2}	14.9 ^{+0.2} _{-0.2}	5 ^{+0.1} _{-0.1}	24	M4x0.7	4.5	8	8	3.4	30	Ø17H9T 2
20	9.5	29	20	52.8	84.8	50	26.3 ^{+0.2} _{-0.2}	16.3 ^{+0.2} _{-0.2}	8 ^{+0.1} _{-0.1}	30	M5x0.8	8	10	10	4.3	35	Ø21H9T 3
25	11	30	25	63.6	102.7	63	33.3 ^{+0.2} _{-0.2}	19.3 ^{+0.2} _{-0.2}	10 ^{+0.1} _{-0.1}	36	M6x1	10	12	12	5.1	36.5	Ø26H9T 3.5
32	12	40(49)	29	67(76)	113(122)	97	48 ^{+0.5} _{-0.5}	26 ^{+0.5} _{-0.5}	12 ^{+0.1} _{-0.1}	46	M6x1	10	13	13	5.1	48(57)	Ø34H9T 4
40	15	49(62)	36	83(96)	139(152)	119	60 ^{+0.7} _{-0.7}	30 ^{+0.5} _{-0.5}	14 ^{+0.1} _{-0.1}	56	M8x1.25	13	16	17	6.6	58(71)	Ø42H9T 4

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 ^{+0.05} _{-0.05}	11	Ø2H9T 3	16.4±0.05	5.2±0.02	7.6±0.02	18	12	-	-	-
16	16	M3x0.5	4	7	M5x0.8	30.6	7.5	19	8 ^{+0.05} _{-0.05}	13	Ø3H9T 3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	18.6	M4x0.7	5	9	M5x0.8	42	10	23	10 ^{+0.05} _{-0.05}	15	Ø4H9T 4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	22	M5x0.8	6	12	M5x0.8	52	10.7	23.5	12 ^{+0.05} _{-0.05}	20	Ø4H9T 4	33.6±0.05	10±0.02	21.8±0.02	40	22	19	3.5	11.5
32	26	M6x1	7	14	M5x0.8	60	11	31(37)	15 ^{+0.05} _{-0.05}	24	Ø5H9T 5	40±0.1	12±0.02	23±0.02	46	26	24	3.3	11.5
40	32	M8x1.25	9	17	M5x0.8	72	12	38(45)	18 ^{+0.05} _{-0.05}	28	Ø5H9T 5	48±0.1	14±0.02	29±0.02	56	32	29.4	3.7	13

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

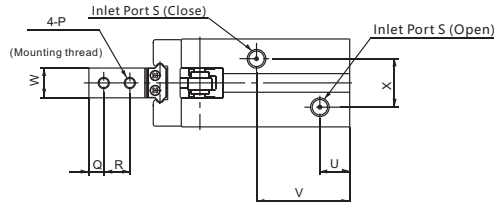
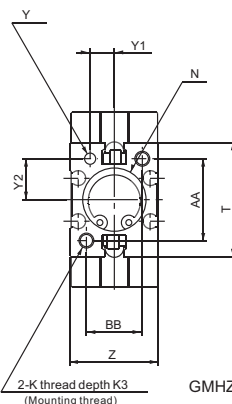
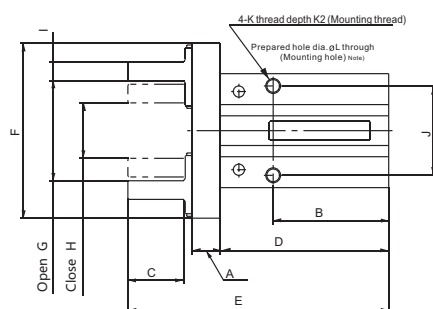
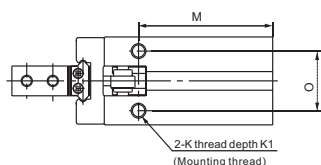
Vacuum Module

Accessory Components

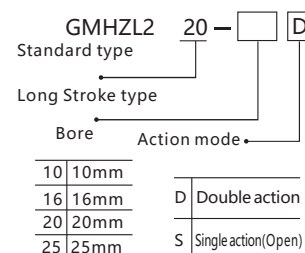
NEW



PN	S	1.Y09405	1.Y08175	1.Y09882	1.Y09883
	D	1.Y07974	1.Y08146	1.Y07975	1.Y08802
Model	S	GMHZL2-10S	GMHZL2-16S	GMHZL2-20S	GMHZL2-25S
	D	GMHZL2-10D	GMHZL2-16D	GMHZL2-20D	GMHZL2-25D
Bore		10	16	20	25
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℃			
Repeatability accuracy (mm)		±0.01			
Maximum frequency of use		120			
Action mode		Single action · Double action			
Magnetic switch (optional)		Contactless magnetic switch			
Pipe Size		M3×0.5	M5×0.8		



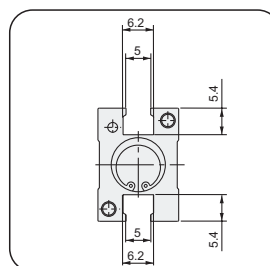
* For single action, the port on one side is a breathing hole.



Gripping force

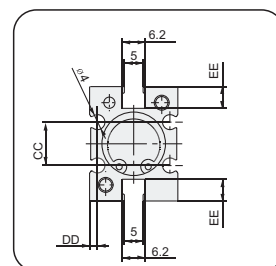
Model	Gripping force N			Opening/Closing stroke (Both sides (mm))
	Gripping force per finger Effective value			
	Double action		Single action	
	External	Internal	External	
GMHZL2-10 □	11	17	7.1	8
GMHZL2-16 □	34	45	27	12
GMHZL2-20 □	42	66	33	18
GMHZL2-25 □	65	104	50	22

GMHZL2-10 □ Magnetic Switch Mounting Groove Dimensions



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

GMHZZ2- □□ Magnetic Switch Mounting Groove Dimensions



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

Dimensions table (mm)

Bore	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	øL	M	N
10	6	25(35)	12	37.8(47.8)	57(67)	35	19.2 ^{0.2}	11.2 ^{0.4}	4 ^{0.1}	16	M3x0.5	6	5.5	6	2.6	29(39)	ø11H9J7
16	7.5	31(36)	15	45.2(50.2)	70(75)	47	26.9 ^{0.2}	14.9 ^{0.4}	5 ^{0.1}	24	M4x0.7	4.5	8	8	3.4	36(41)	ø17H9J7
20	9.5	36(42)	20	58(64)	90(96)	62	34.3 ^{0.2}	16.3 ^{0.4}	8 ^{0.1}	30	M5x0.5	8	10	10	4.3	43(49)	ø21H9J7
25	11	40(50)	25	66.9(76.9)	106(116)	75	41.3 ^{0.2}	19.3 ^{0.4}	10 ^{0.1}	36	M6x1	10	12	12	5.1	48(58)	ø26H9J7.3

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	8	21(31)	5 $\frac{0}{.005}$	11	Ø2H9 $\frac{+}{-}$ 3	16.4 $\pm$ 0.05	5.2 $\pm$ 0.02	7.6 $\pm$ 0.02	18	12	-	-	-
16	16	M3x0.5	4	7	M5x0.8	30.6	8	25(30)	8 $\frac{0}{.005}$	13	Ø2H9 $\frac{+}{-}$ 3	23.6 $\pm$ 0.05	6.5 $\pm$ 0.02	11 $\pm$ 0.02	22	15	11.6	2.1	5.8
20	18.6	M4x0.7	5	9	M5x0.8	42	10	30(36)	10 $\frac{0}{.005}$	15	Ø4H9 $\frac{+}{-}$ 4	27.6 $\pm$ 0.05	7.5 $\pm$ 0.02	16.8 $\pm$ 0.02	32	18	14	2.1	9
25	22	M5x0.8	6	12	M5x0.8	52	10	33(43)	12 $\frac{0}{.005}$	20	Ø4H9 $\frac{+}{-}$ 4	33.6 $\pm$ 0.05	10 $\pm$ 0.02	21.8 $\pm$ 0.02	40	22	19	3.5	11.5

Y Type Gripper

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

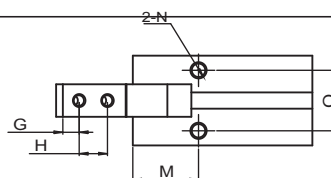
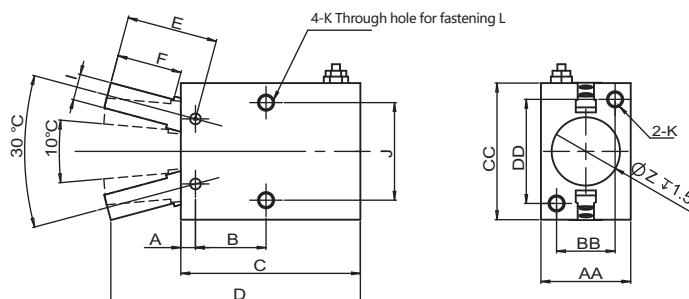
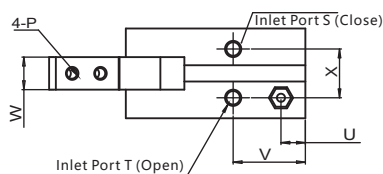
Vacuum Module

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℃	
Maximum frequency of use		180c.p.m	
Repeatability accuracy		±0.01	

GMHC2		20	—	D
Standard type				
Bearing point opening and closing type				
Bore				
Action mode				
16	16mm	D	Double action	
20	20mm	S	Single action(Open)	



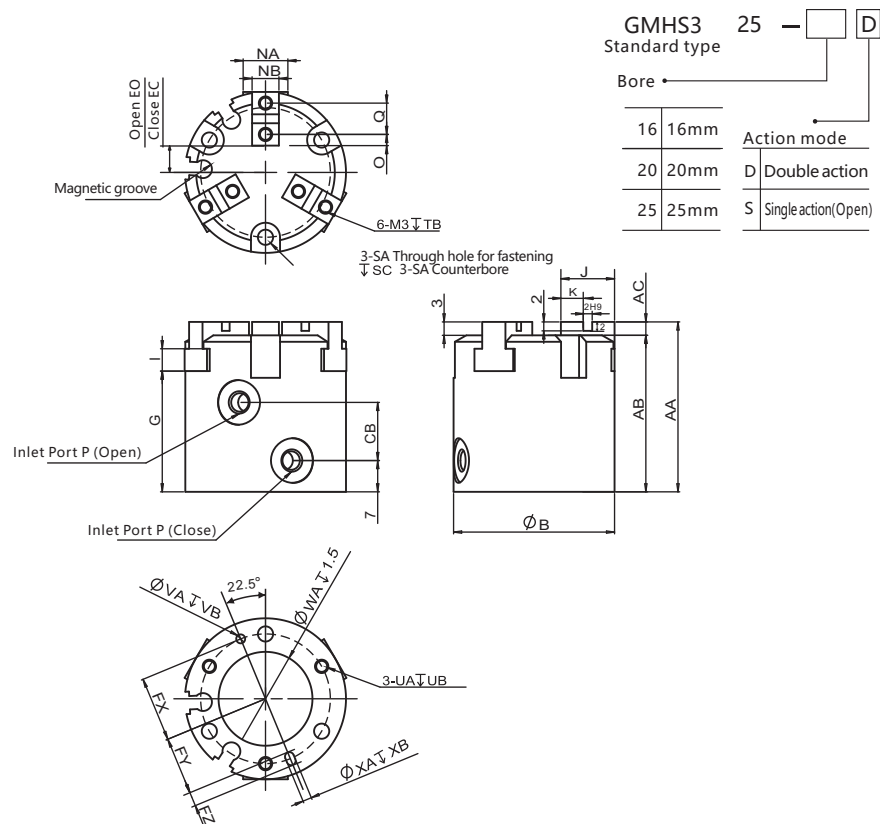
(Bore) (mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Pipe Size S T	U	V	W	X	Z	AA	BB	CC	DD
16	3.9	16.2	44.6	62.5	22.6	16	4	7	7	24	M4X0.7 ∇ 8	3.4	10.7	M4X0.7 ∇ 8	16	M3X0.5	M5X0.8	7	18.3	8	13	17	23.6	15	30.6	22
20	4.5	21.7	55.2	78.7	28	20	5.2	9	8	30	M5X0.8 ∇ 10	4.3	15.7	M5X0.8 ∇ 8	8.6	M4X0.7	M5X0.8	7.5	22.2	10	15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

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					
Solid state magnetic switch, Reed magnetic switch (2-wire, 3-wire)						
Magnetic switch	2-color indicator solid state magnetic switch (2-wire, 3-wire)					
Stroke length tolerance	+2.0~0					

Model representation methods

GMXQ 12 A-30 ZA □

Bore
Stroke

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

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*4	With buffer, axial piping*5
ZA	Metal stopper with bumper (Ø6)	●	●	○	×	×	○	×	×
ZB		●	○	○	×	○	○	×	×
ZC		○	●	○	×	×	○	×	×
ZD		●	●	○	×	×	○	×	×
ZE	Rubber stopper	●	○	○	○	○	○	○	○
ZF		○	●	○	×	×	○	×	×
ZG	Shock absorber/RJ	●	●	○	×	×	○	×	×
ZH		●	○	○	×	○	○	×	×
ZJ		○	●	○	×	×	○	×	×
ZN		○	○	○	○ ⁽⁶⁾	×	○	×	○ ⁽⁶⁾
ZP	Shorter total length type*5	Without adjuster	●	○	×	×	○	×	×
ZQ			●	○	×	×	○	×	×
ZR			●	○	×	×	○	×	×
ZS			●	○	×	×	○	×	×

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

Stroke/magnetic switch selection

Model	(mm)	Standard stroke (mm)	Magnetic switch	
			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

Maximum Load Weight

kg

Model	Adjuster option					
	Without adjuster	Rubber stopper	Metal stopper with bumper	Shock absorber/RJ	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	Horizontal	Vertical
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 ²)	(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	

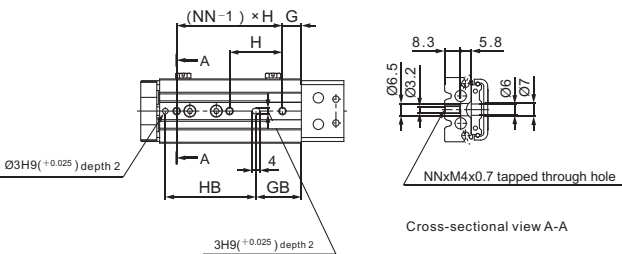
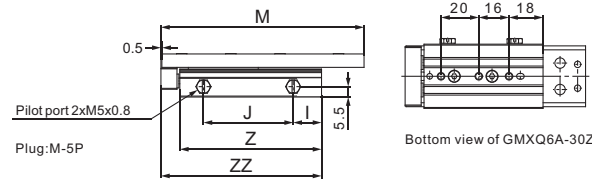
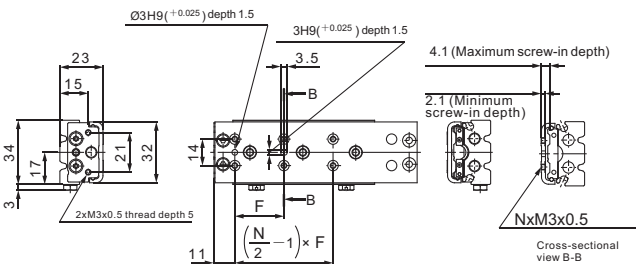
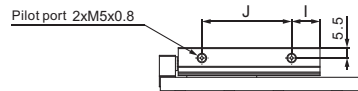
The dual rod ensures an output twice that of current cylinders.

Air Slide Table Double-ported Type GMXQ□ A Series

NEW



GMXQ6A-□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.

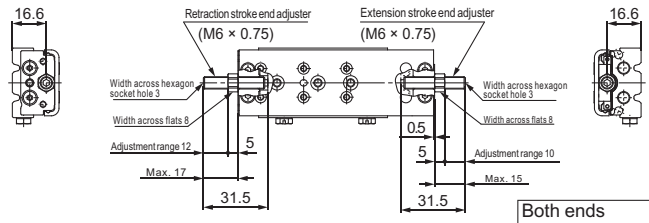
Dimensions

Model	F	G	GB	H	HB	I
GMXQ6A-10Z	22	18	9	23	38	10
GMXQ6A-20Z	25	15	9	26	38	10
GMXQ6A-30Z	21	-	12	-	48	13
GMXQ6A-40Z	26	10	24	28	48	15
GMXQ6A-50Z	27	20	34	28	48	15

Mode	J	M	N	NN	Z	ZZ
GMXQ6A-10Z	27.5	64.5	4	2	50	60
GMXQ6A-20Z	27.5	74.5	4	2	50	60
GMXQ6A-30Z	37.5	95.5	6	3	63	73
GMXQ6A-40Z	47.5	107.5	6	3	75	85
GMXQ6A-50Z	57.5	117.5	6	3	85	95

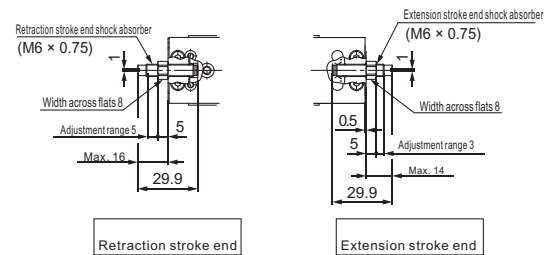
Rubber stopper **ZD** : Both ends, **ZE** : Extension stroke end, **ZF** : Retraction stroke end,

ZP : Retraction stroke end (Shorter total length type)



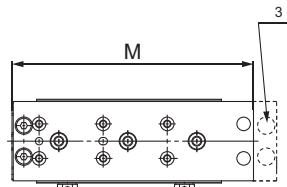
Shock absorber/RJ **ZG** : Both ends, **ZH** : Extension stroke end, **ZJ** : Retraction stroke end,

ZQ : Retraction stroke end (Shorter total length type)



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

GMXQ6A-□ZN Shorter total length type



Model	M
GMXQ6A-10ZN	55
GMXQ6A-20ZN	65
GMXQ6A-30ZN	86
GMXQ6A-40ZN	98
GMXQ6A-50ZN	108

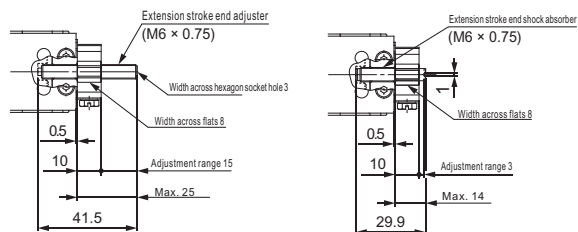
* Dimensions other than those listed above are the same as those for the standard type.

*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.)

GMXQ6A □□2 With end lock extension stroke end and adjuster (Ø6)

Rubber stopper: **ZE**

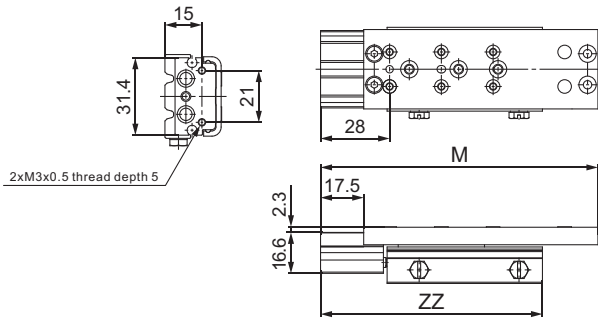
Shock absorber/RJ: **ZH**



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

Select the long adjustment nut and bolt specification (-X28) when an end lock and extension stroke end adjuster are used together. However, the product number suffix (-X28) is not required. The stroke adjustment range is different from the adjuster of the standard product. A retraction stroke end adjuster cannot be mounted to the end lock.

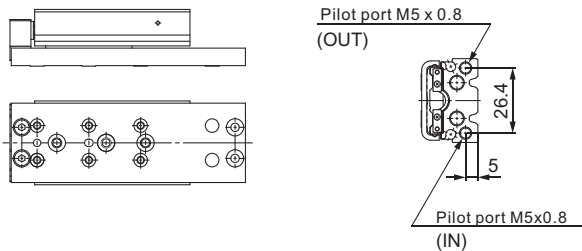
GMXQ6A - □□1 With buffer (Ø6)



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

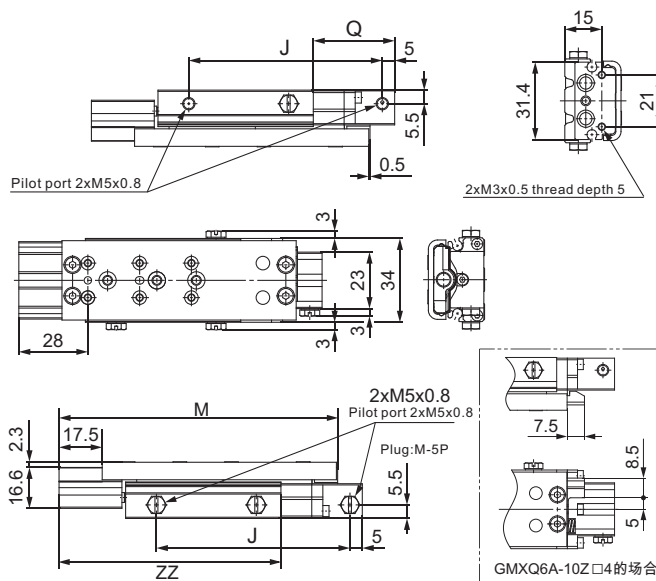
Model	Standard type	Shorter total length type	ZZ
	M	M	
GMXQ6A-10Z□1	81.5	72	77
GMXQ6A-20Z□1	91.5	82	77
GMXQ6A-30Z□1	112.5	103	90
GMXQ6A-40Z□1	124.5	115	102
GMXQ6A-50Z□1	134.5	125	112

GMXQ6A-□□3 Axial piping (Ø6)



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

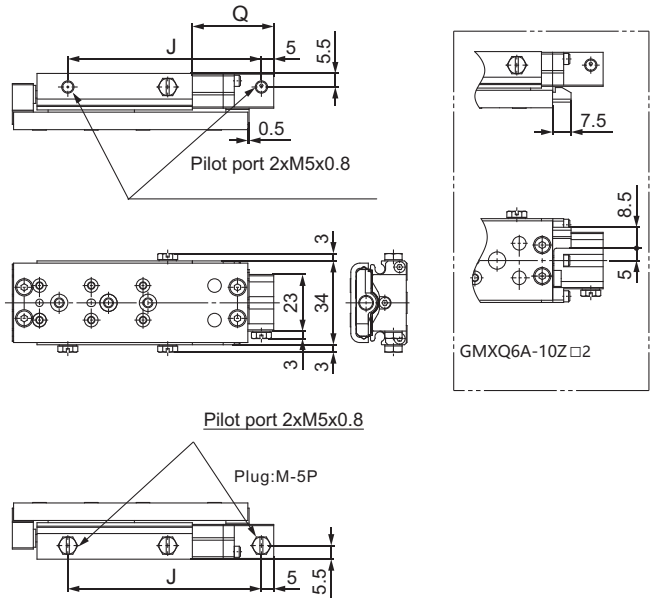
GMXQ6A-□□4 With buffer, end lock (Ø6)



* 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

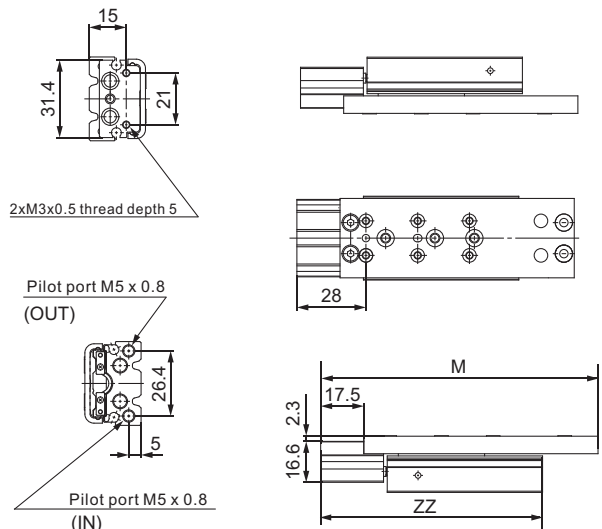
GMXQ6A - □□2 With end lock (Ø6)



* 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

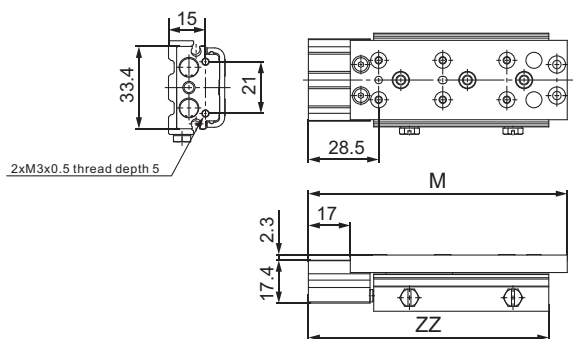
GMXQ6A-□□5 With buffer, axial piping (Ø6)



* 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

GMXQ8A - □□1 With buffer (Ø8)

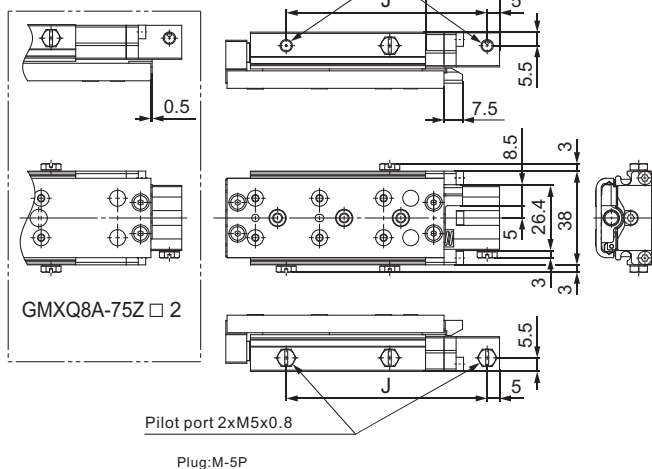


* Dimensions other than those listed above are the same as those for the standard type.

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)

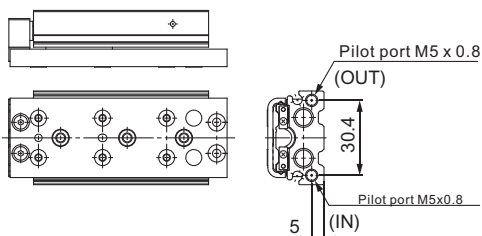
Pilot port 2xM5x0.8



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

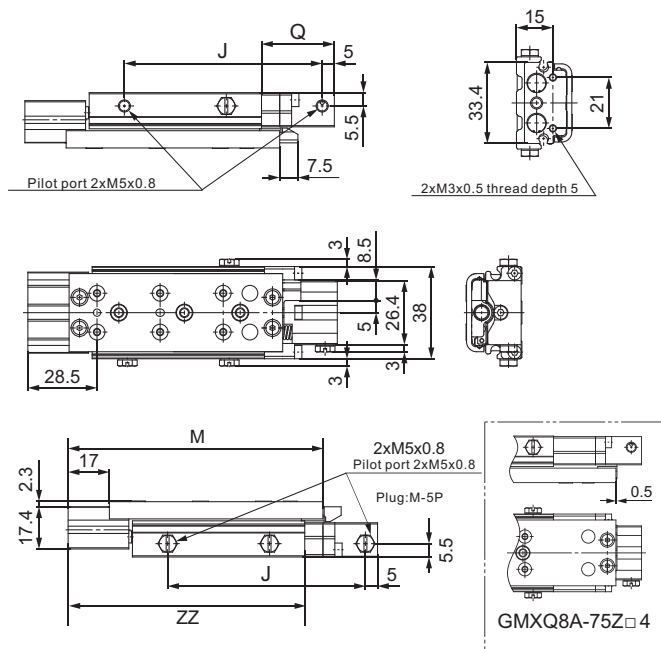
Model	J	Q
	M	M
GMXQ8A-10Z□2	61.5	30
GMXQ8A-20Z□2	71.5	30
GMXQ8A-30Z□2	81.5	30
GMXQ8A-40Z□2	97.5	30
GMXQ8A-50Z□2	124.5	30
GMXQ8A-75Z□2	139.5	43

GMXQ8A-□□3 Axial piping (Ø8)



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

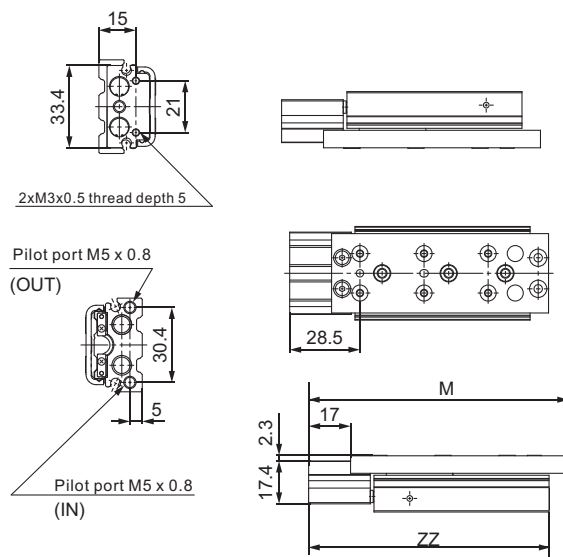
GMXQ8A-□□4 With buffer, end lock (Ø8)



* 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	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

Profile - SUS Tube

Stents Module



Grip Module

Air Nipper

Vacuum Module



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

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

Technical drawing of the end view of the roller assembly, showing dimensions and labels for both ends. The drawing includes the following labels and dimensions:

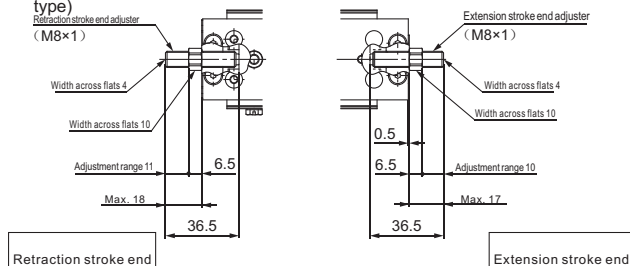
- Retraction stroke end adjuster** (M8×1)
- Extension stroke end adjuster** (M8×1)
- Width across flats 4**
- Width across flats 10**
- Adjustment range 10**
- Adjustment range 9**
- Max. 17**
- Max. 16**
- Both ends**

Dimensions shown include 18.9, 6.5, 0.5, 6.5, 35, and 35.

Rubber stopper

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

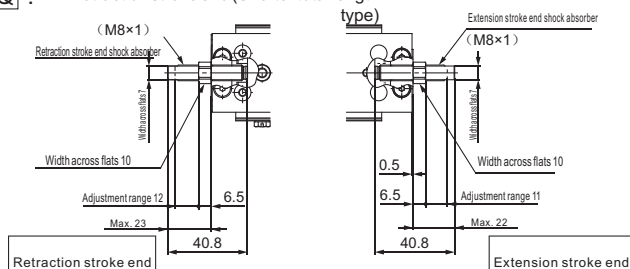
ZP : Retraction stroke end (Shorter total length type)



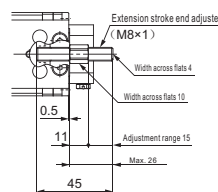
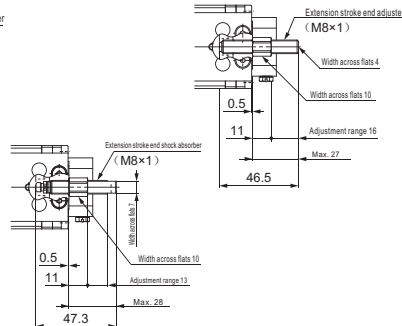
* Dimensions other than those listed above are the same as those for the standard type.

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

ZQ : Retraction stroke end (Shorter total length type)

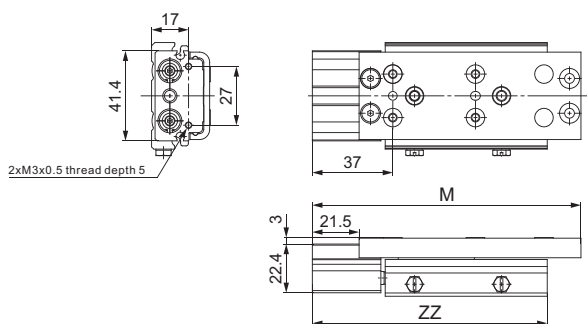


* Dimensions other than those listed above are the same as those for the standard type.

Metal stopper with bumper **ZB**Rubber stopper: ZE

Shock absorber/RJ: ZH

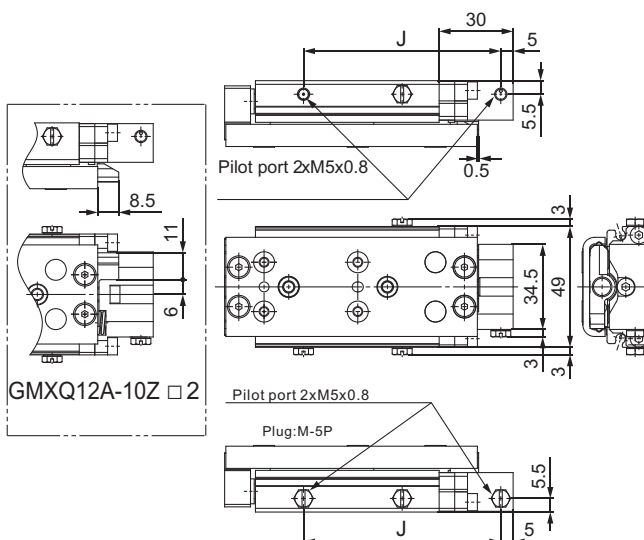
GMXQ12A - □□1 With buffer (Ø12)



* 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

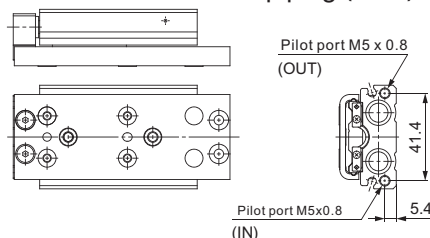
GMXQ12A - □□2 With end lock (Ø12)



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

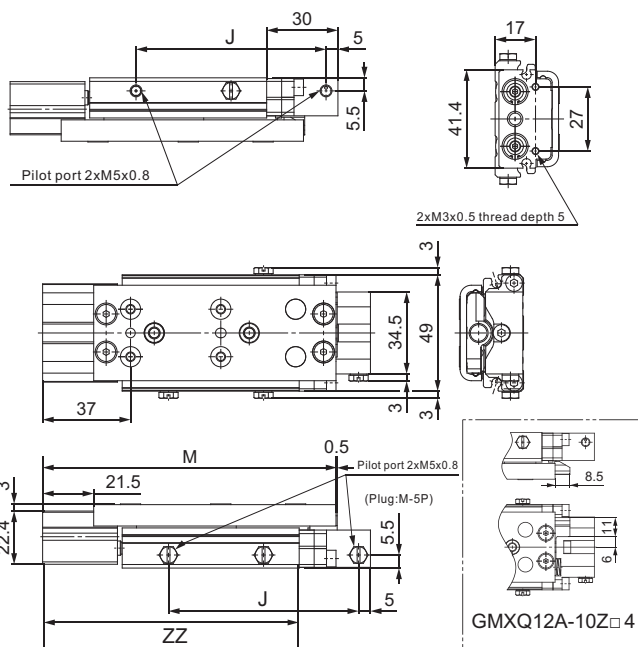
Model	J
	J
GMXQ12A-10Z□2	68
GMXQ12A-20Z□2	70
GMXQ12A-30Z□2	80
GMXQ12A-40Z□2	98
GMXQ12A-50Z□2	108
GMXQ12A-75Z□2	152
GMXQ12A-100Z□2	177

GMXQ12A-□□3 Axial piping (Ø12)



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

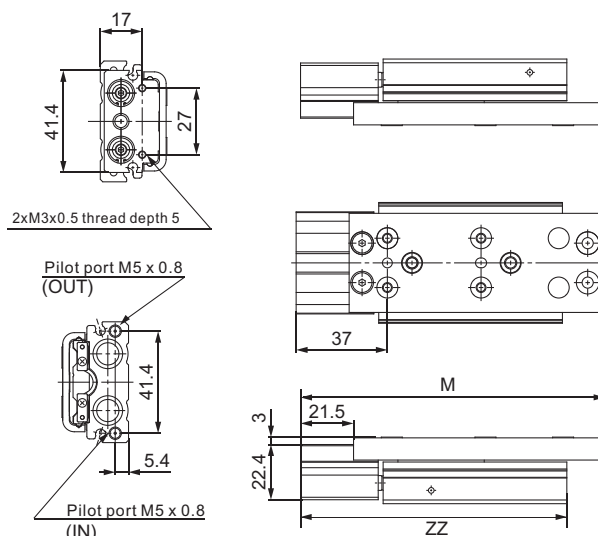
GMXQ12A - □□4 With buffer, end lock (Ø12)



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

Model	J	Standard type	Shorter total length type	ZZ
	J	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)

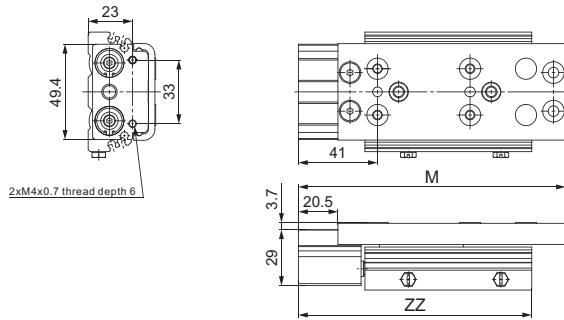


* Dimensions other than those listed above are the same as those for the standard type.

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

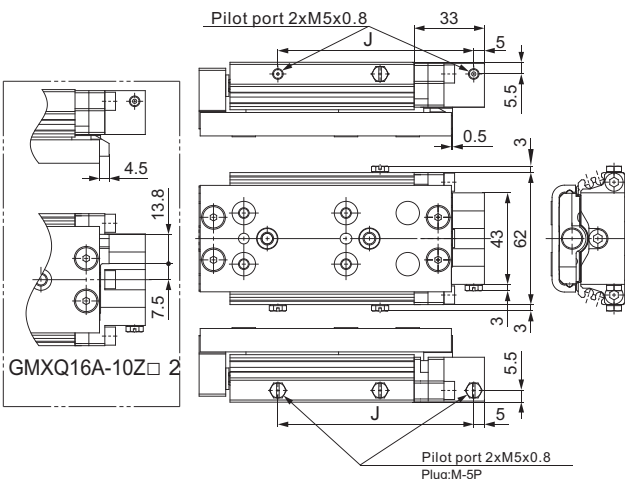
GMXQ16A - □□1 With buffer (Ø16)



* 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	
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

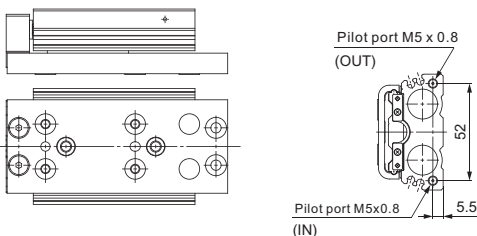
GMXQ16A - □□2 With end lock (Ø16)



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

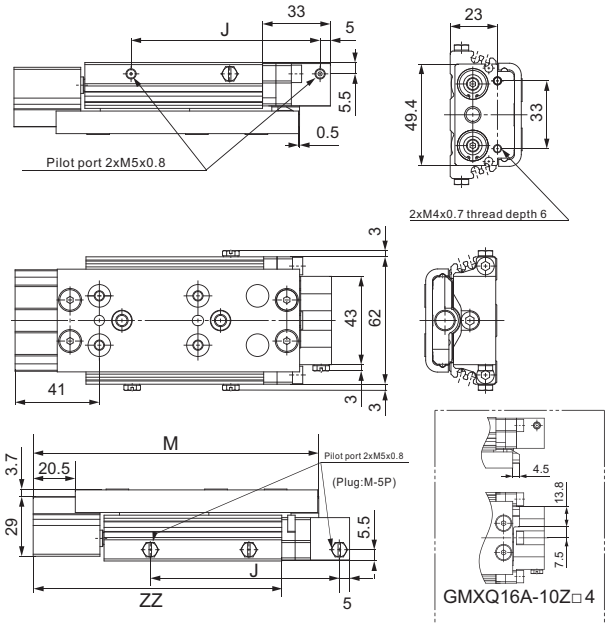
Model	J
GMXQ16A-10Z□2	78
GMXQ16A-20Z□2	82
GMXQ16A-30Z□2	92
GMXQ16A-40Z□2	109
GMXQ16A-50Z□2	119
GMXQ16A-75Z□2	150
GMXQ16A-100Z□2	194
GMXQ16A-125Z□2	219

GMXQ16A-□□3 Axial piping (Ø16)



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

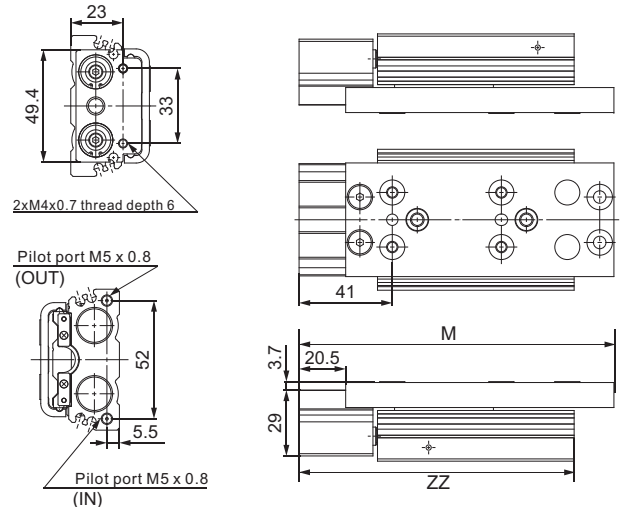
GMXQ16A- □□4 With buffer,end lock (Ø16)



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

Model	J	Standard type	Shorter total length type	ZZ
		M	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-□□5 With buffer, axial piping (Ø16)

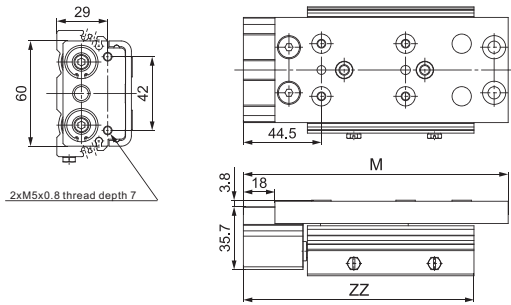


* Dimensions other than those listed above are the same as those for the standard type.

Model	Standard type	Shorter total length type	ZZ
	M	M	
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

Air Slide Table Double-ported Type GMXQ□ A Series

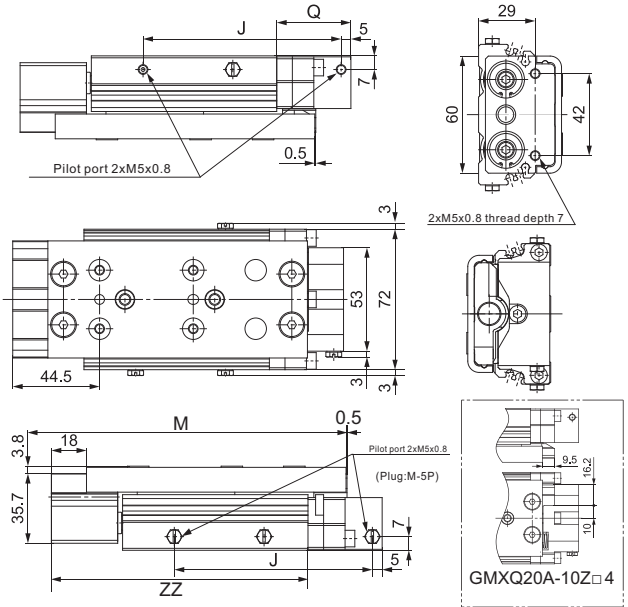
GMXQ20A - □□1 With buffer (Ø20)



* 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	
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

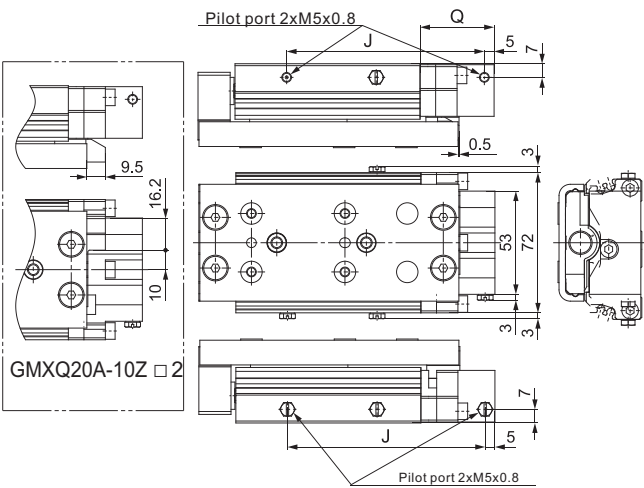
GMXQ20A- □□4 With buffer, end lock (Ø20)



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

Model	J	Q	Standard type	Shorter total length type	ZZ
			M	M	
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

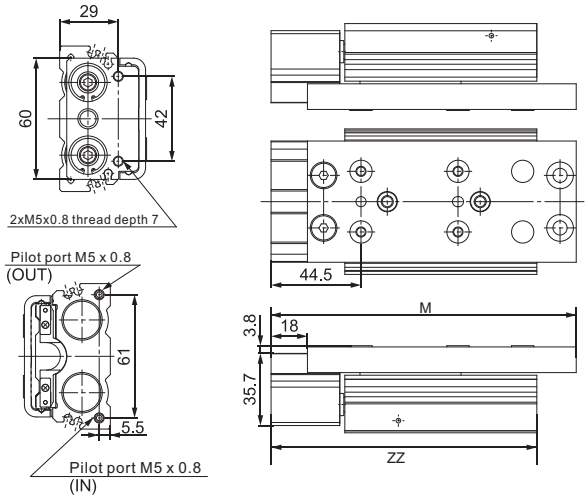
GMXQ 20A - □□2 With end lock (Ø20)



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

Model	J	Q
GMXQ20A-10Z□2	91.5	38
GMXQ20A-20Z□2	91.5	38
GMXQ20A-30Z□2	101.5	38
GMXQ20A-40Z□2	111.5	38
GMXQ20A-50Z□2	127.5	38
GMXQ20A-75Z□2	161.5	38
GMXQ20A-100Z□2	234.5	61
GMXQ20A-125Z□2	259.5	61
GMXQ20A-150Z□2	284.5	61

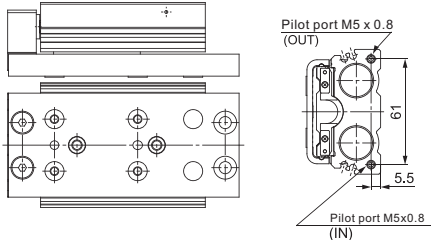
GMXQ 20A- □□ 5 With buffer, axial piping (Ø20)



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

Model	Standard type	Shorter total length type	ZZ
	M	M	
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)

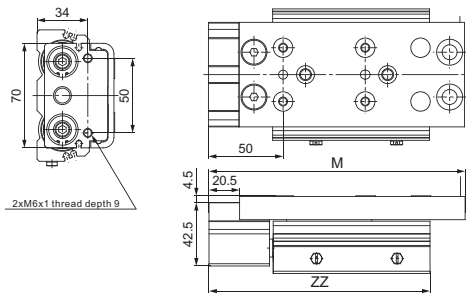


* Dimensions other than those listed above are the same as those for the standard type.

Accessory Components

Air Slide Table Double-ported Type GMXQ□A

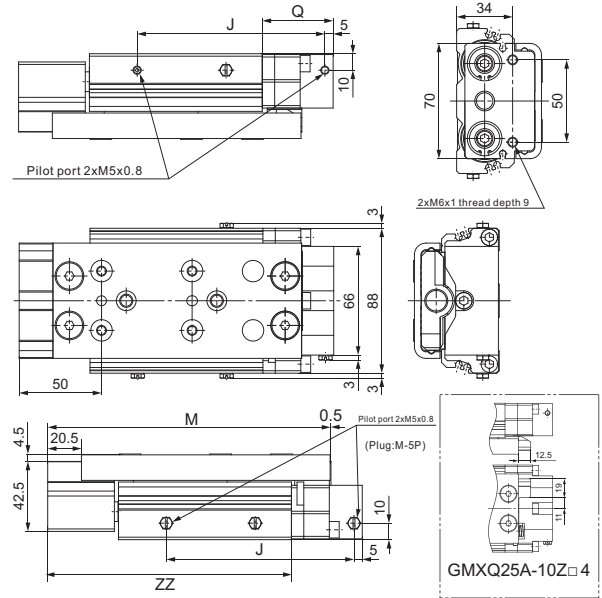
GMXQ25A - □□1 With buffer (Ø25)



* 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

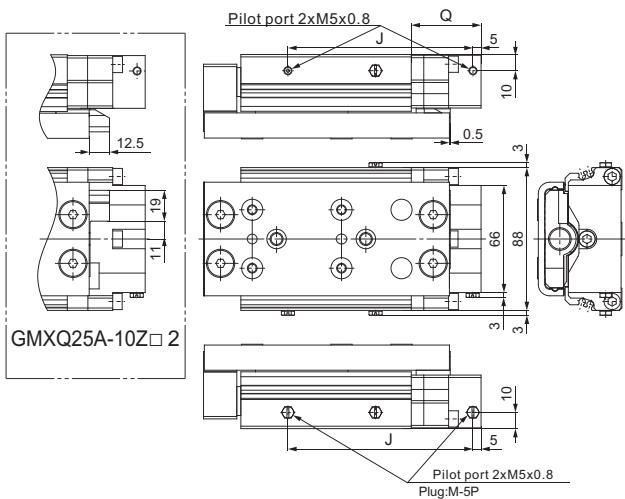
GMXQ25A- □□4 With buffer, end lock (Ø25)



* 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

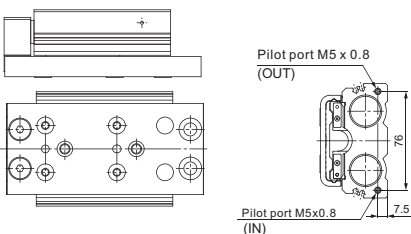
GMXQ 25A - □□2 With end lock (Ø25)



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

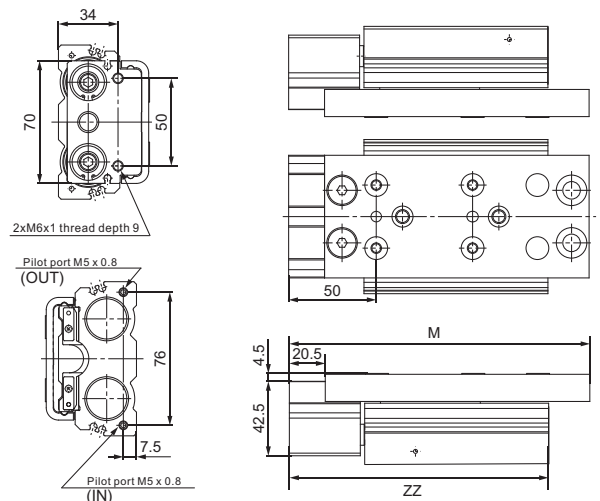
Model	J	Q
GMXQ25A-10Z□2	109	48
GMXQ25A-20Z□2	104	43
GMXQ25A-30Z□2	114	43
GMXQ25A-40Z□2	124	43
GMXQ25A-50Z□2	147	43
GMXQ25A-75Z□2	172	43
GMXQ25A-100Z□2	213	73
GMXQ25A-125Z□2	277	73
GMXQ25A-150Z□2	302	73

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					

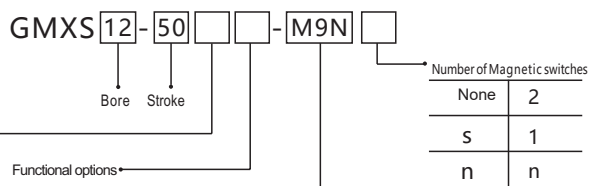
*Optional with adjustable stroke device (0-5mm)
 *Double cylinder with 2 times output force, thin volume
 *The combination of cylinder and worktable reduces the overall size
 *Roller slider design, small friction, no gap between cylinder and worktable, suitable for precise assembly
 *Can install from 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		
	ø 6x2	●	●	●	●	●					●	●		●	D-M9B D-M9BL D-M9BV D-M9BVL	2-wire	3-wire D-M9N D-M9NL D-M9NV D-M9NVL D-M9P D-M9PL D-M9PV D-M9PVL
	ø 8x2	●	●	●	●	●	●				●	●	●	●			
	ø 12x2	●	●	●	●	●	●	●			●	●	●	●			
	ø 16x2	●	●	●	●	●	●	●	●		●	●	●	●			
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

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 hydraulic buffer

*GMXS6 without locking

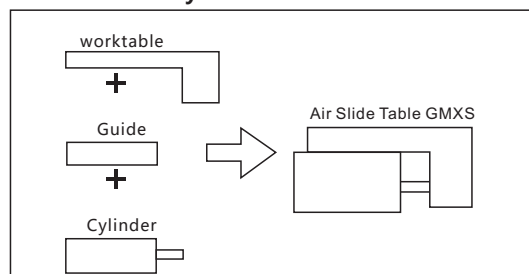
Magnetic switch

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

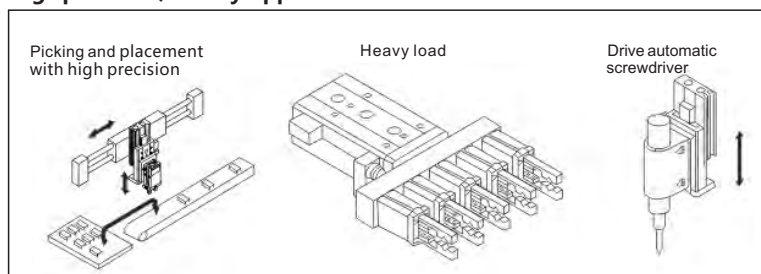
* For the applicable Magnetic switch models, refer to the table above.

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)

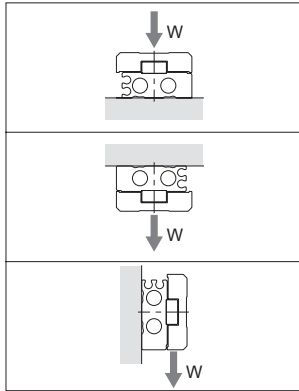


Fig. (3) Workpiece Mounting Coefficient: K

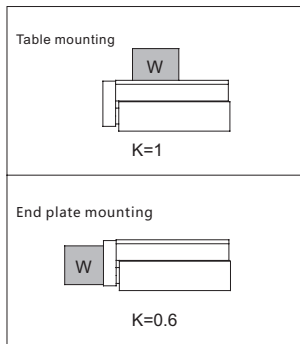


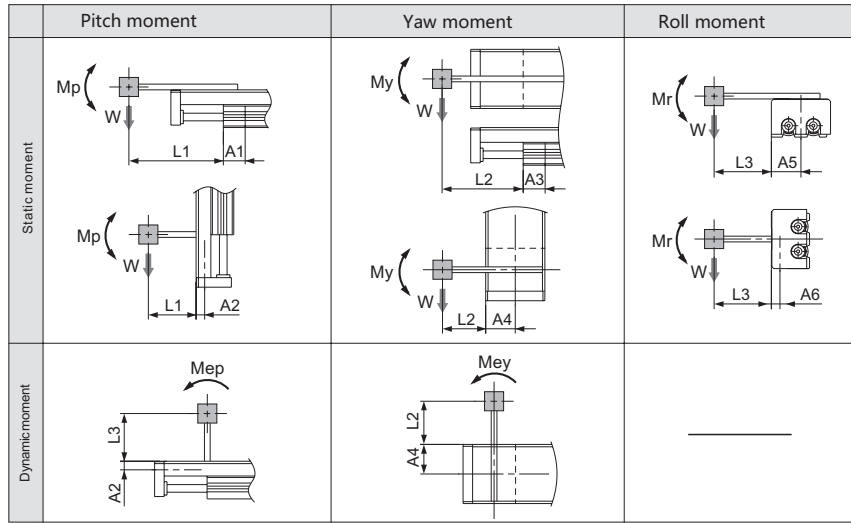
Table (2) Maximum Allowable Load Mass: Wmax (kg)

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

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

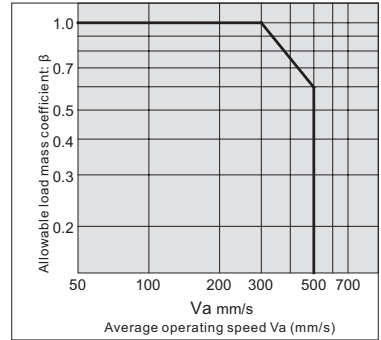
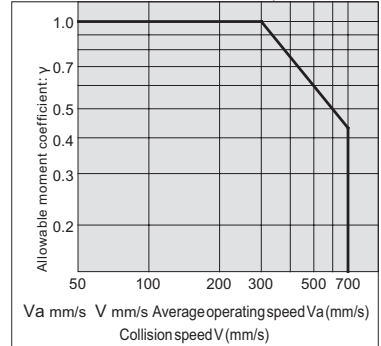


Table (5) Allowable Moment Coefficient: γ



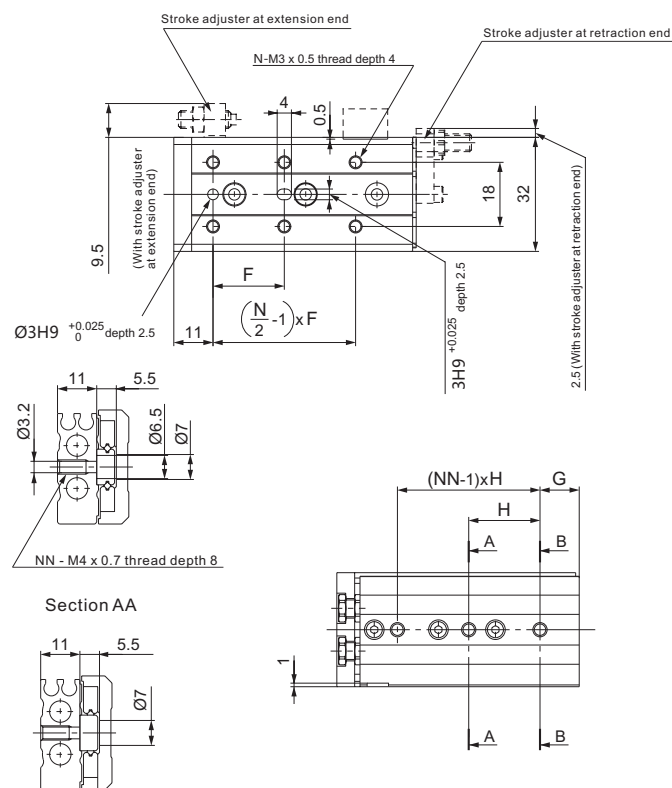
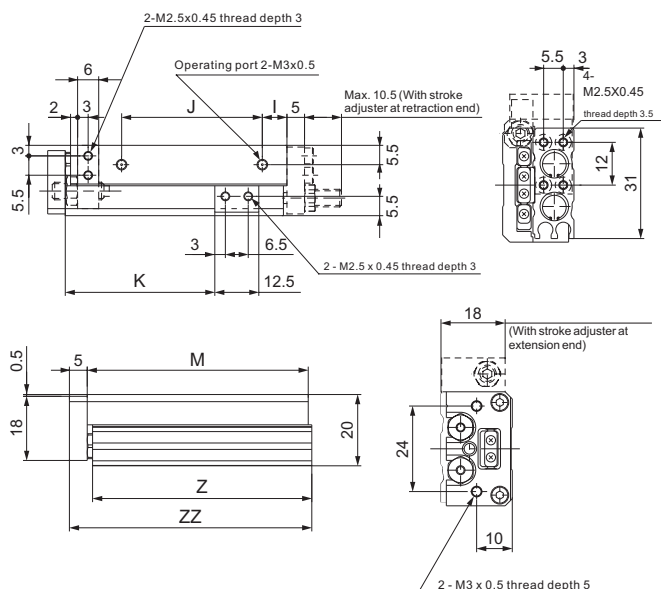
Note) Use the average operating speed when calculating static moment.
Use the collision speed when calculating dynamic moment.

Symbol

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

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



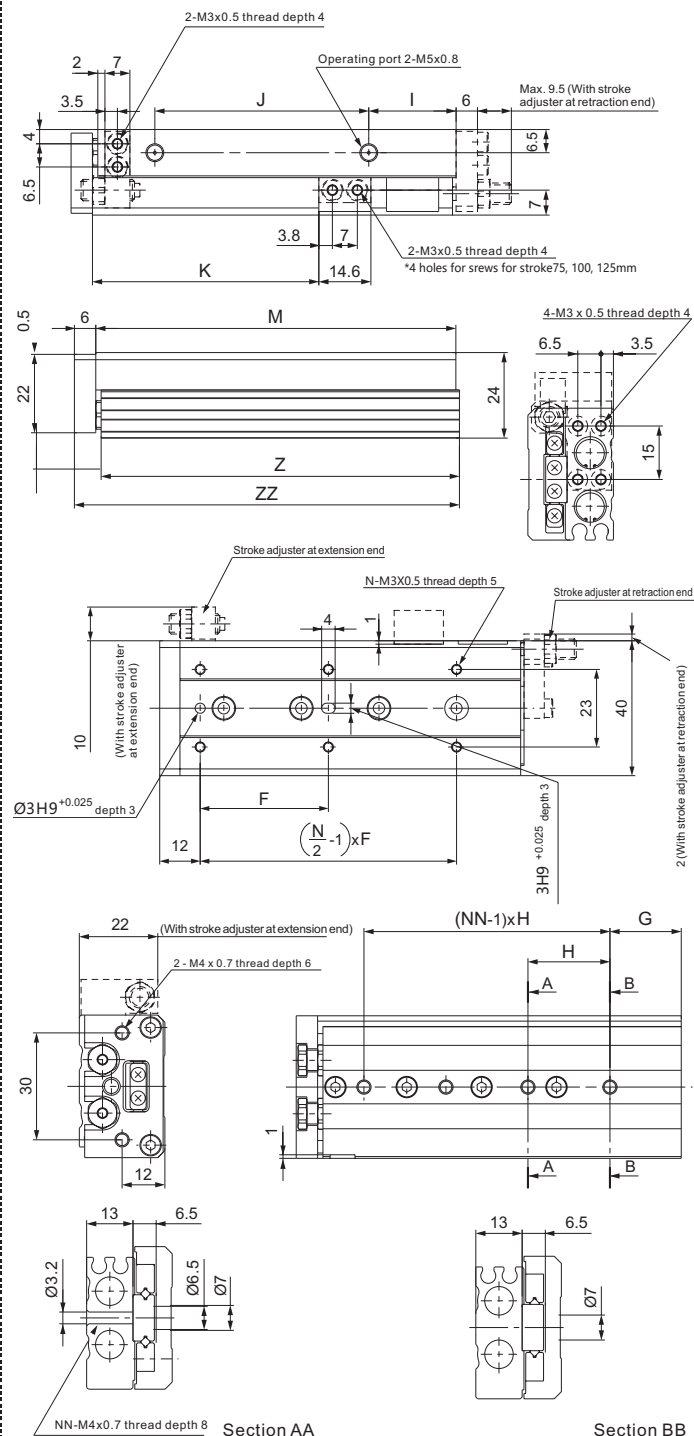
Section BB

Dimensions

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



Section AA

Section BB

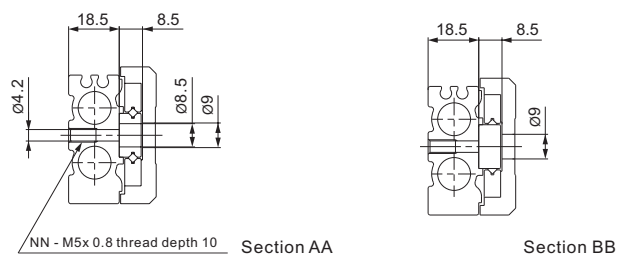
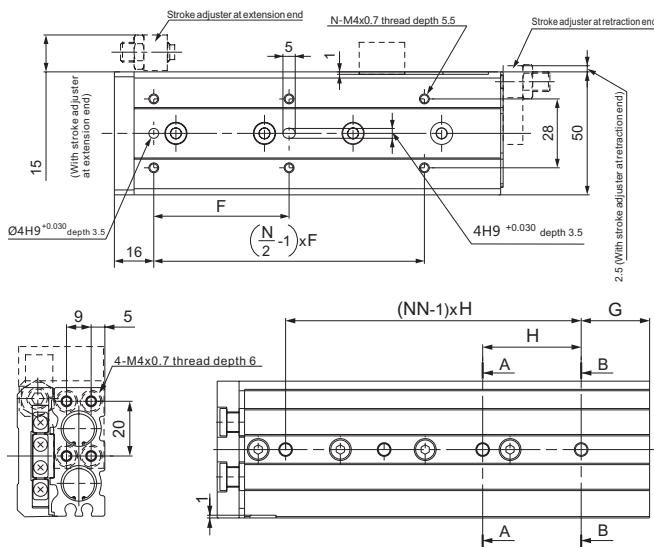
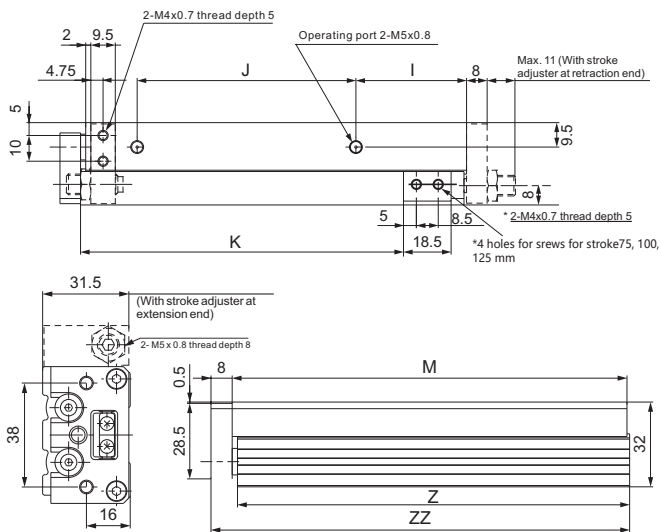
Dimensions

(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

GMXS16 Basic type

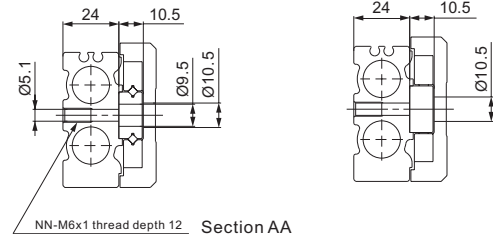
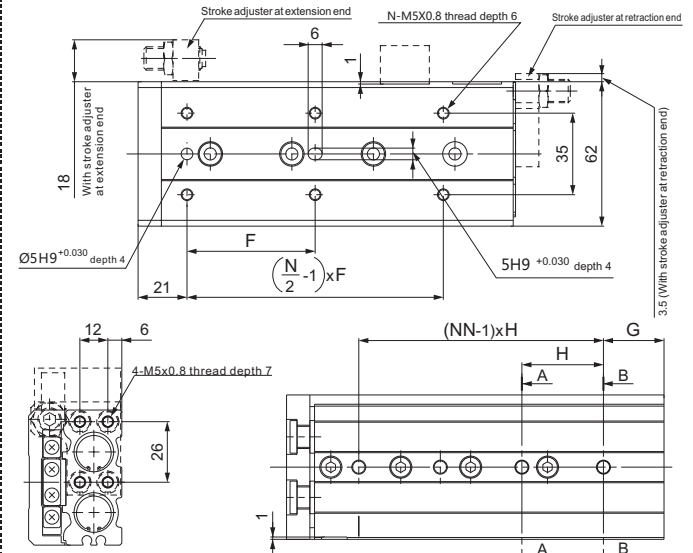
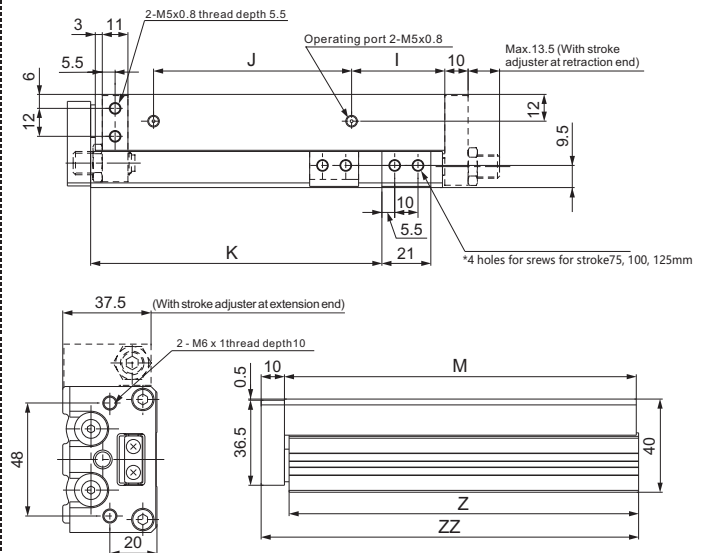


Section AA

Section BB

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



Section AA

Section BB

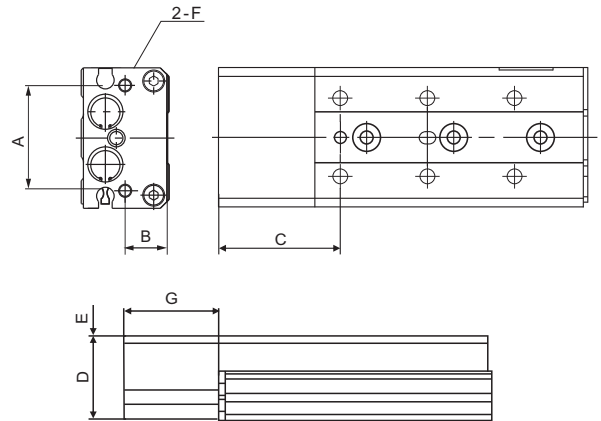
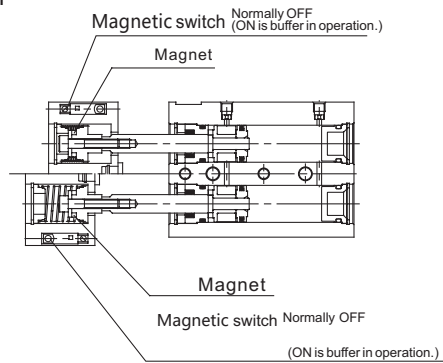
Dimensions					(mm)
Model	F	N	G	H	NN
GMXS16-10	35	4	16	40	2
GMXS16-20	35	4	16	40	2
GMXS16-30	35	4	16	40	2
GMXS16-40	40	4	16	50	2
GMXS16-50	30	6	21	30	3
GMXS16-75	55	6	26	35	4
GMXS16-100	65	6	39	35	5
GMXS16-125	70	8	19	35	7

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

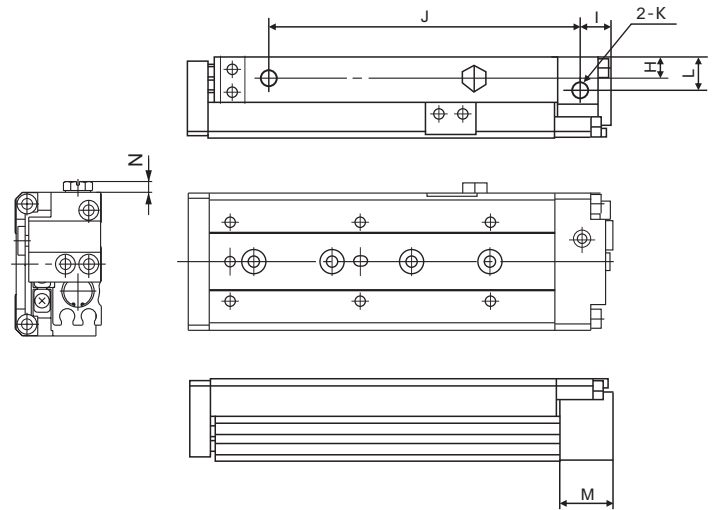
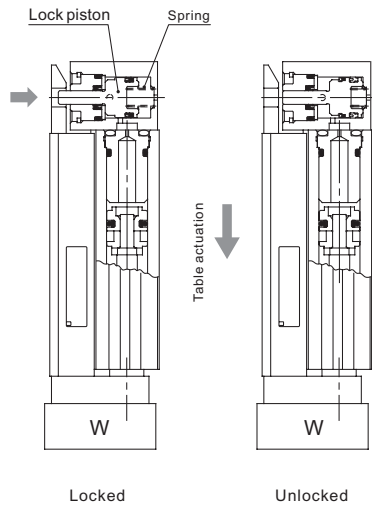
Air Slide Table GMXS Series

Functional option

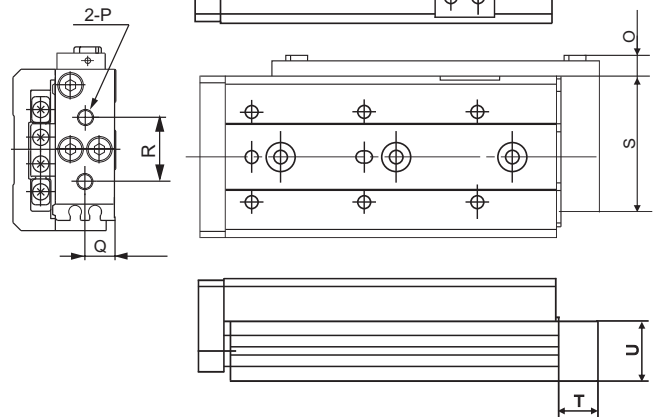
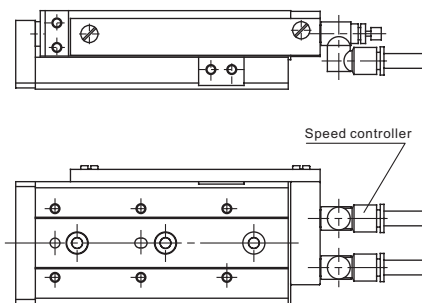
F-With buffer



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

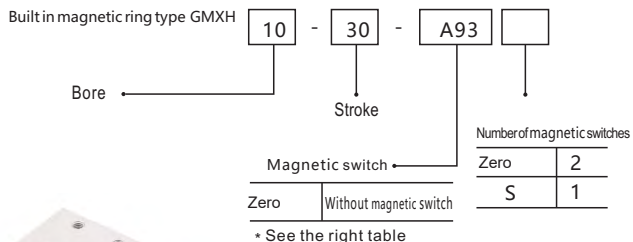


缸径Bore size (mm)	6	10	16	20
Guide bearing width	5	7	9	12
Fluid	Air			
Action	Double acting			
Minimum operating pressure	0.15MPa	0.06MPa		0.05MPa
Maximum operating pressure	0.7MPa			
Ambient and fluid temperatures	Without magnetic switch: -10 to 70°C With magnetic switch: -10 to 60°C (No freezing)			
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

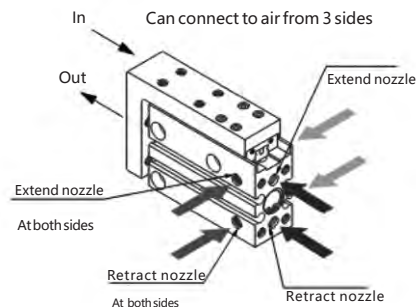


Miniature linear guide bearing improve the accuracy of linear motion of cylinder

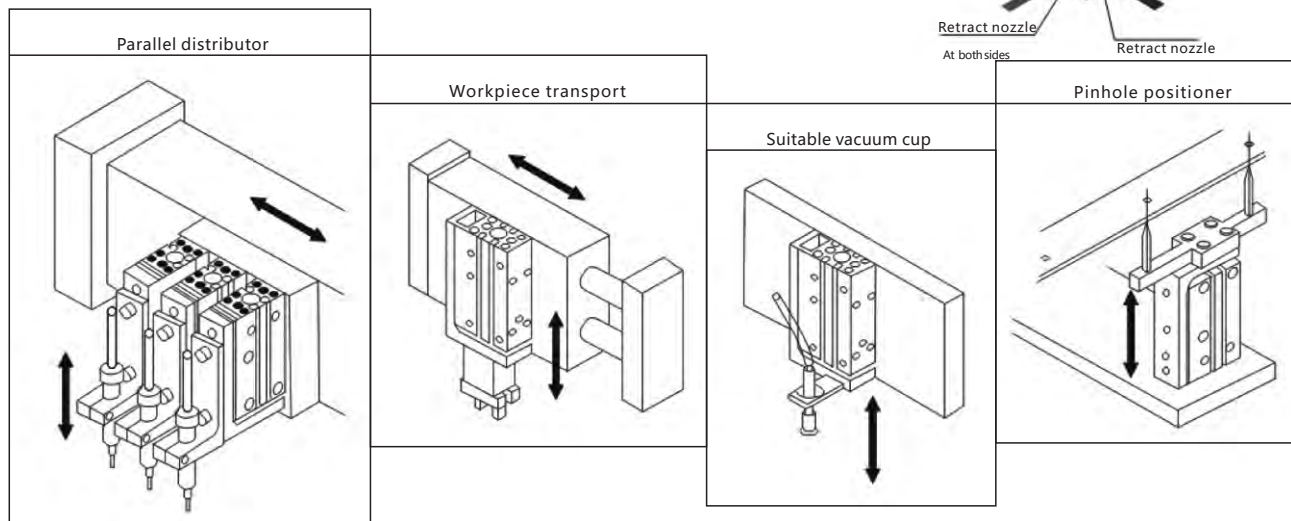
Stroke/magnetic switch selection

(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: Nomark-0.5m, L-3m, Z-5m
Example: A93L

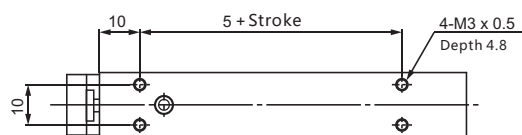
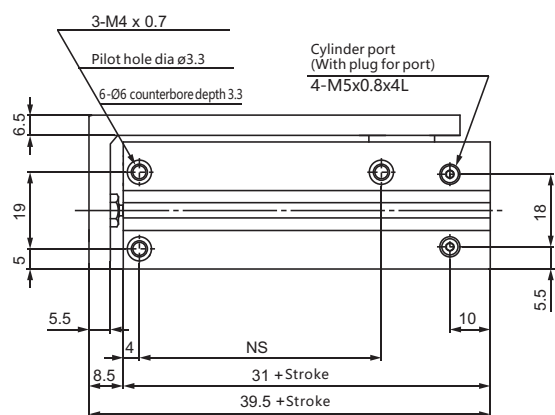
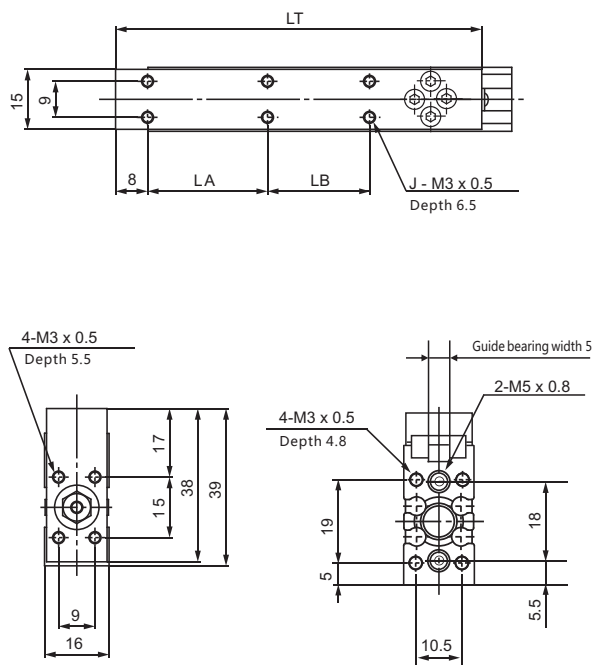


Application



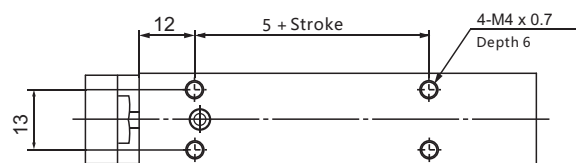
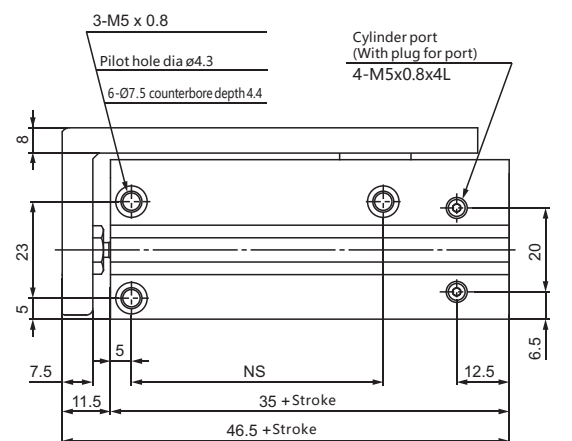
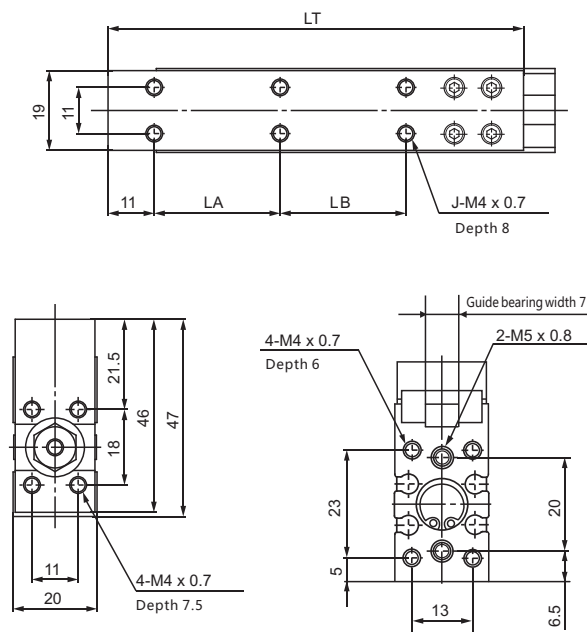
Miniature Air Slide Table Linear Guide GMXH Series

GMXH6



Dimensions (mm)						
Model	Stroke	J	LA	LB	LT	NS
GMXH6-5Z	5	4	10	-	42	14
GMXH6-10Z	10	4	10	-	42	14
GMXH6-15Z	15	4	20	-	52	24
GMXH6-20Z	20	4	20	-	52	24
GMXH6-25Z	25	4	30	-	62	30
GMXH6-30Z	30	4	30	-	62	30
GMXH6-40Z	40	6	20	20	72	45
GMXH6-50Z	50	6	25	25	82	55
GMXH6-60Z	60	6	30	30	92	60

GMXH10



Dimensions (mm)						
Model	Stroke	J	LA	LB	LT	NS
GMXH10-5Z	5	4	10	-	49	14
GMXH10-10Z	10	4	10	-	49	14
GMXH10-15Z	15	4	20	-	59	24
GMXH10-20Z	20	4	20	-	59	24
GMXH10-25Z	25	4	30	-	69	30
GMXH10-30Z	30	4	30	-	69	30
GMXH10-40Z	40	6	20	20	79	45
GMXH10-50Z	50	6	25	25	89	55
GMXH10-60Z	60	6	30	30	99	60

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

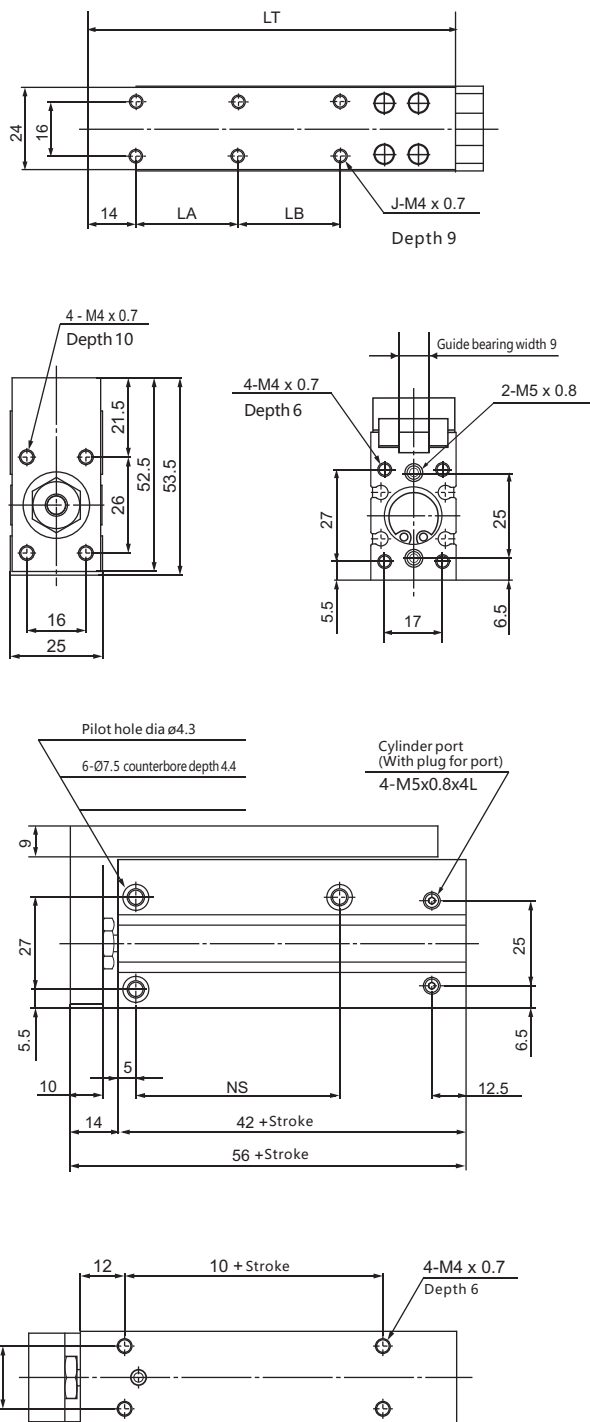
Air Nipper

Vacuum Module

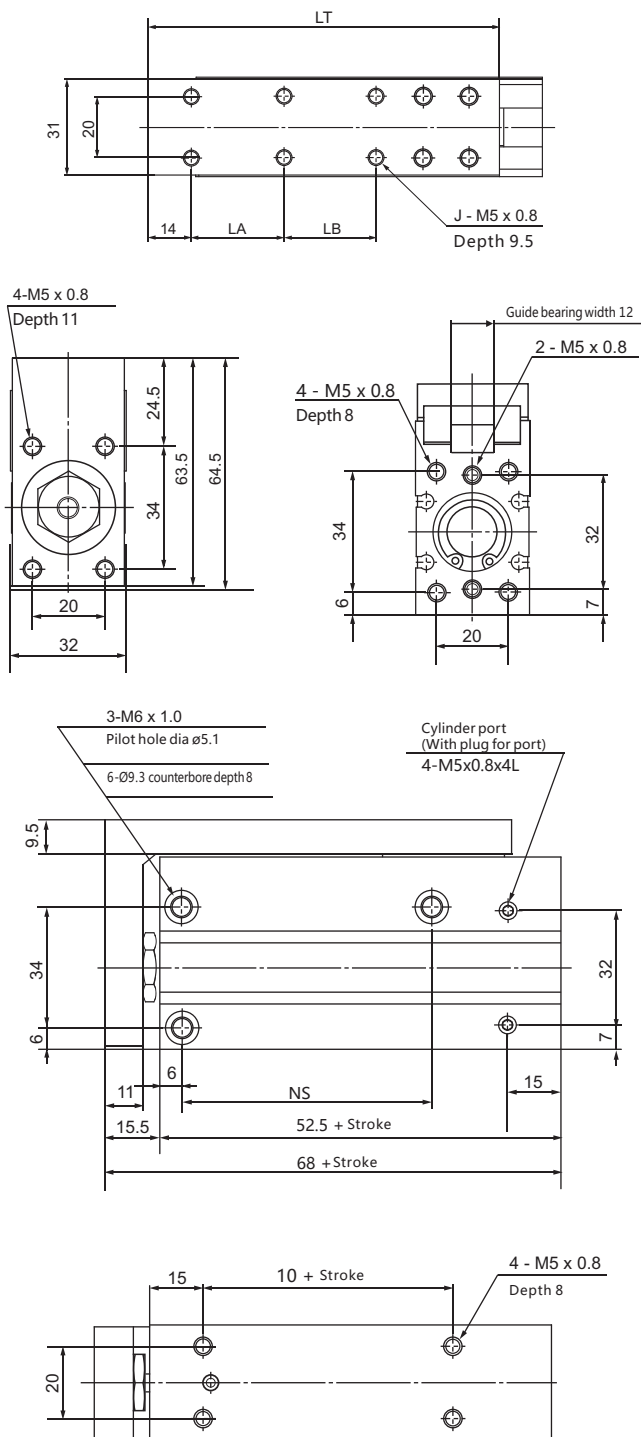
Accessory Components

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)



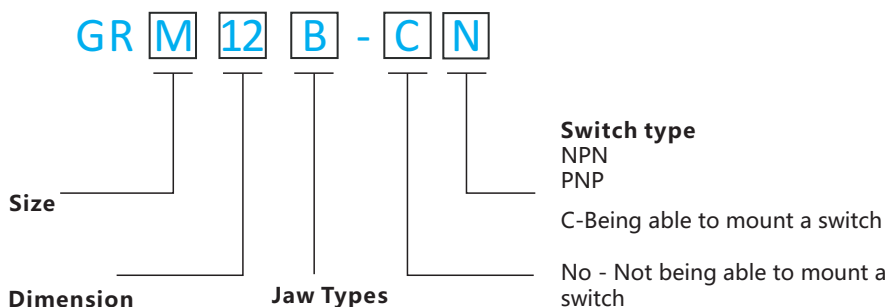
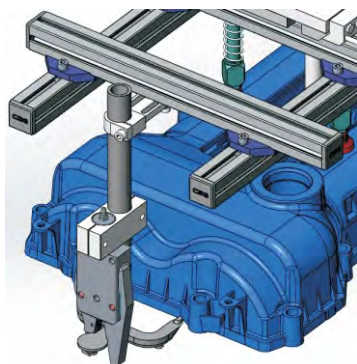
Series GR -Sprue Gripper (With Sensor)



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

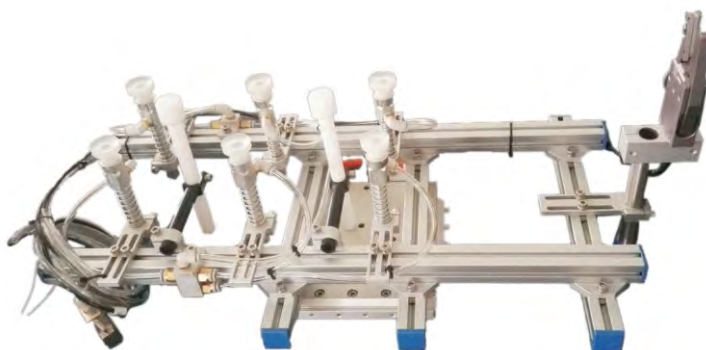
Application example



Installation method



Application example 1



Application example 2

Accessories selection



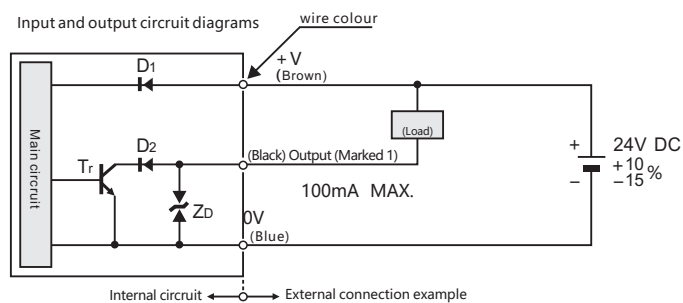
- 1.PNP
- 2.NPN

PN	Model
7.Y00800	PNP
7.Y00801	NPN

Note: The length is 1 meters

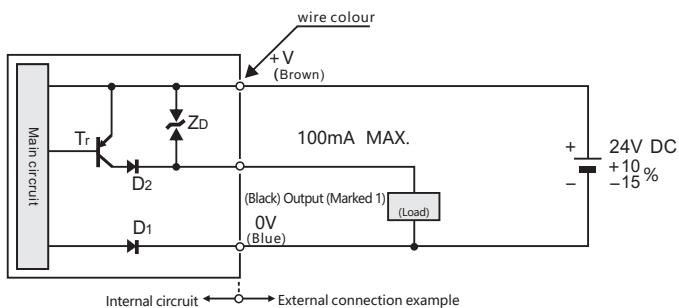
Switch wiring instructions

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)

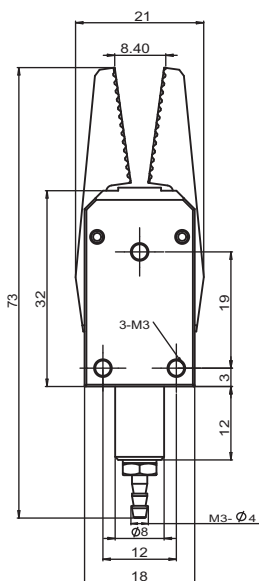
Product Description

GRS08

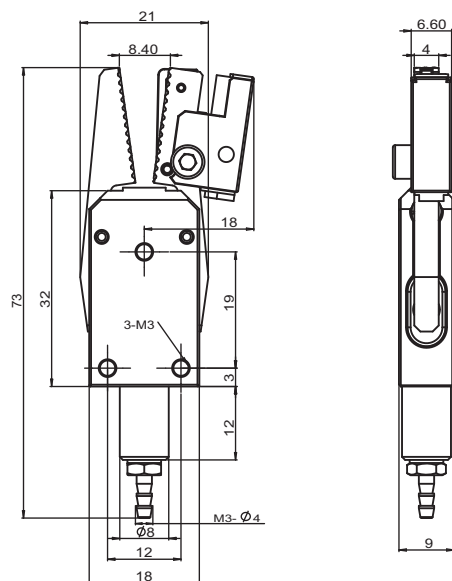
Series GRS08

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)

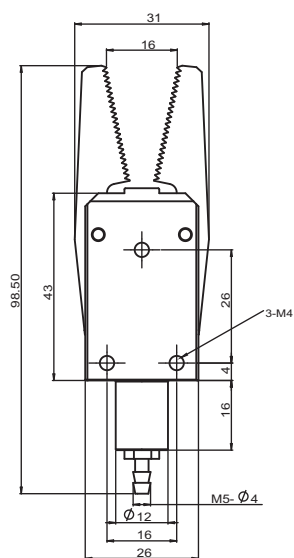
Product Description

GRM12

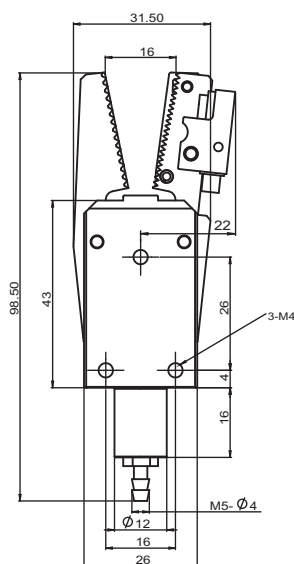
Series GRM12

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)

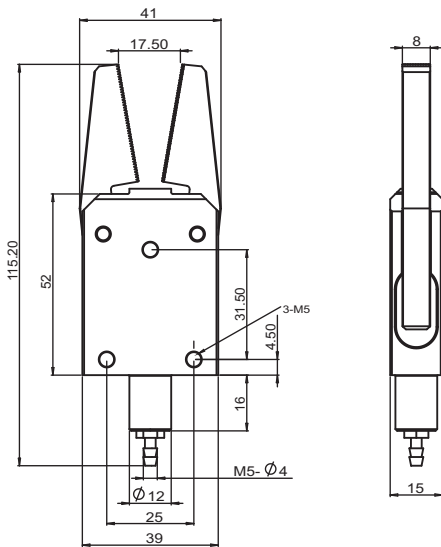
Product Description

GRL12

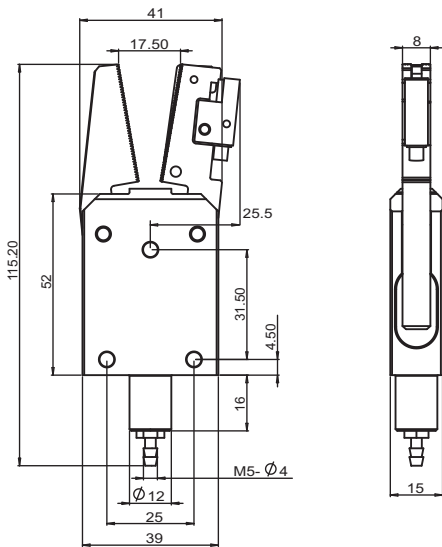
Series GRL12

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)

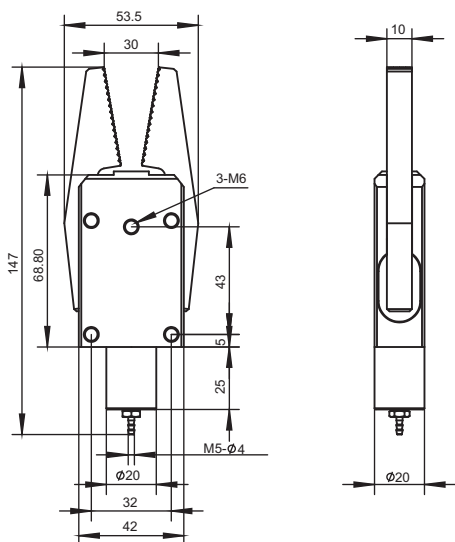
Product Description

GRX20

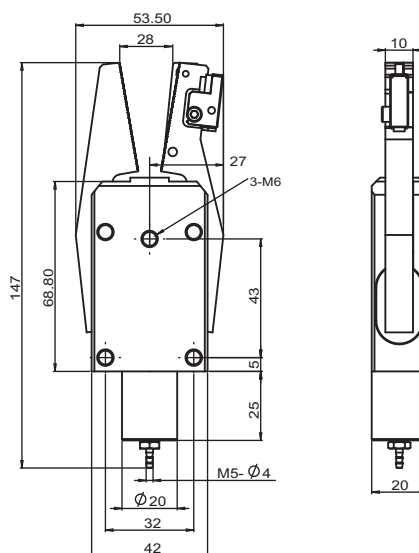
Series GRX20

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

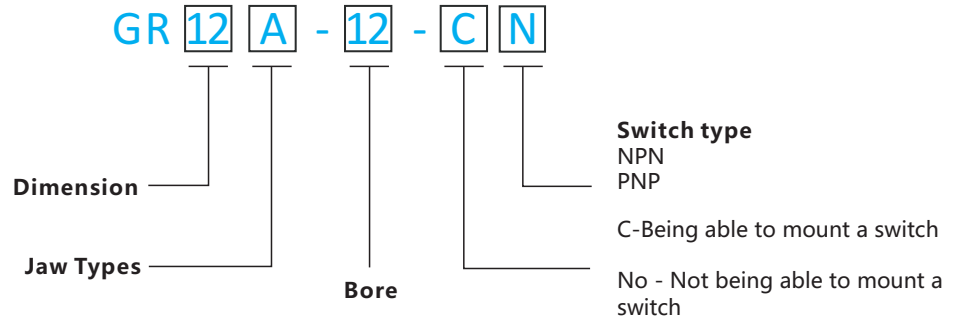
Air Nipper

Vacuum Module

Accessory Components

Sprue Gripper GR12 Series

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

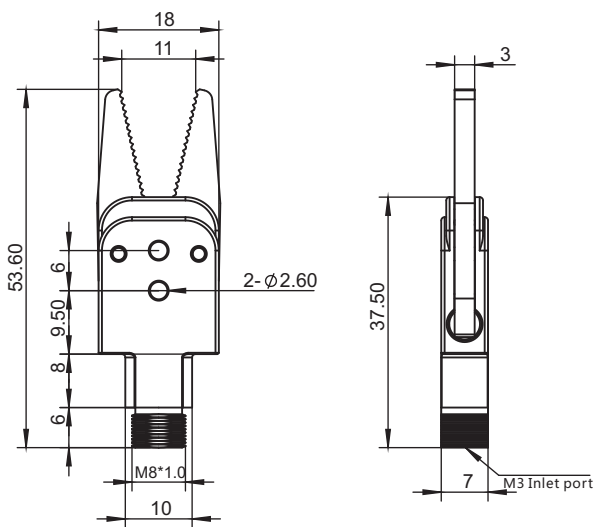
PN	Model	Sensor	F	Weight
8.Y00348	GR05A-10	-	12N	9.6g
8.Y00268	GR10A-12	-	28N	44g
8.Y00267	GR10A-12-CP	PNP	28N	70g
8.Y00370	GR10D-12	-	28N	42g
8.Y00369	GR10D-12-CP	PNP	28N	61g
8.Y00048	GR12A-12	-	28N	44g
8.Y00098	GR12A-12-C	-	28N	44g
8.Y00050	GR12A-12-CP	PNP	28N	70g
8.Y00091	GR12A-12-CN	NPN	28N	70g
8.Y00245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

Stents Module

Quick Changer

Grip Module

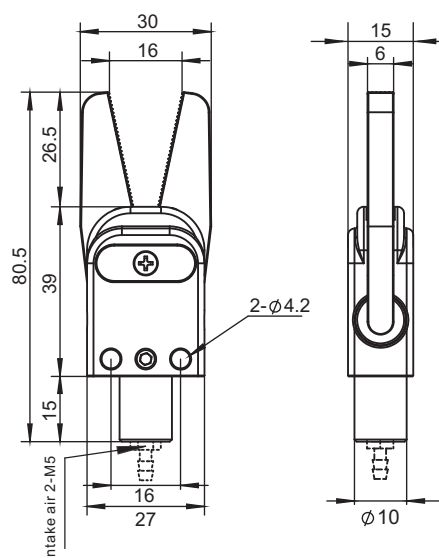
Air Nipper

Vacuum Module

Accessory Components

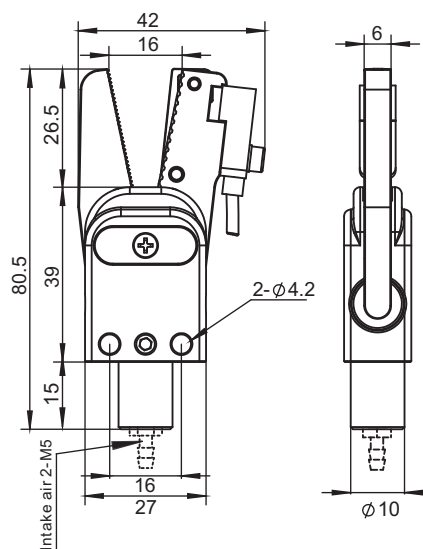


GR10A-12
(Without Sensor)



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

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



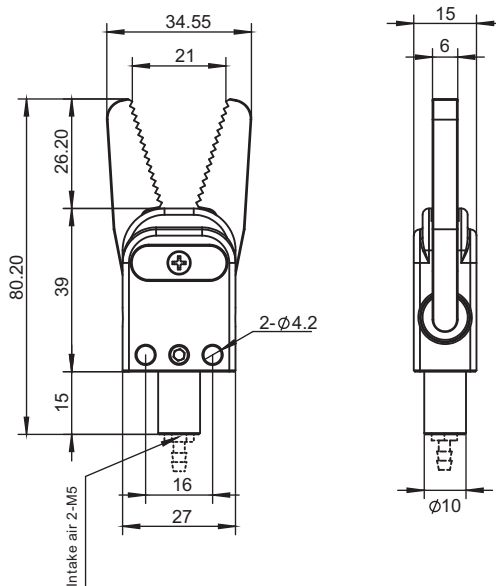
PN	Model	Sensor	F	Weight
8.Y00268	GR10A-12	-	28N	44g
8.Y00267	GR10A-12-CP	PNP	28N	70g

Sprue Gripper GR10 Series

NEW



GR10D-12
(Without Sensor)

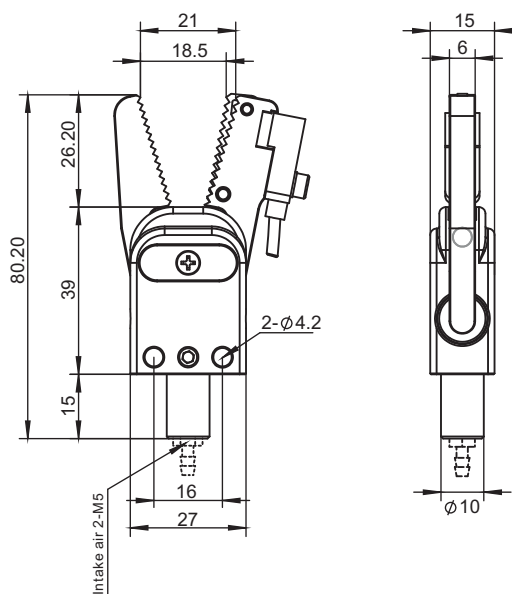


NEW



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

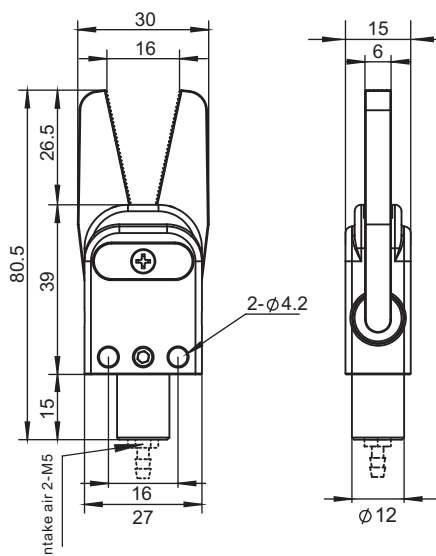
Air Nipper

Vacuum Module

Accessory Components

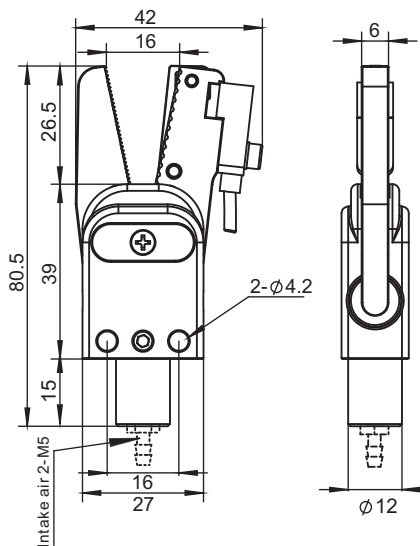


GR12A-12
(Without Sensor)



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

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

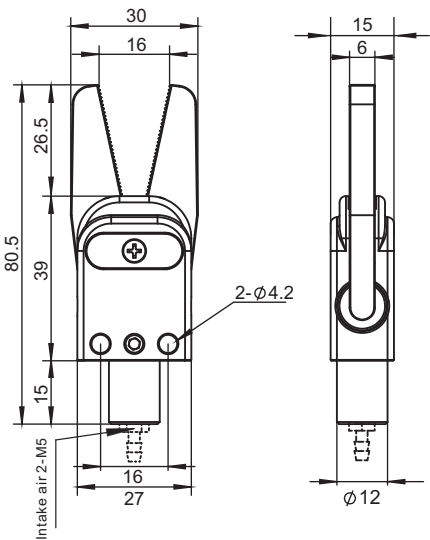


PN	Model	Sensor	F	Weight
8.Y00048	GR12A-12	-	28N	44g
8.Y00098	GR12A-12-C	-	28N	44g
8.Y00050	GR12A-12-CP	PNP	28N	70g
8.Y00091	GR12A-12-CN	NPN	28N	70g

Sprue Gripper GR12 Series

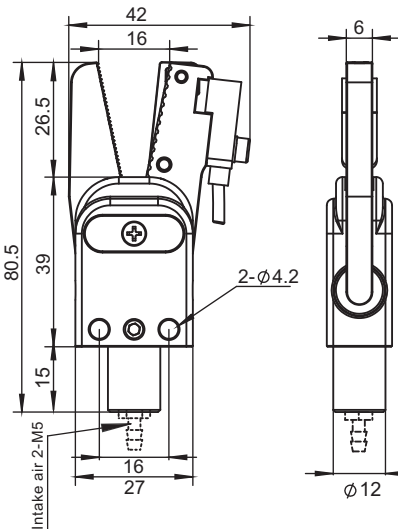


GR12B-12
(Without Sensor)



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

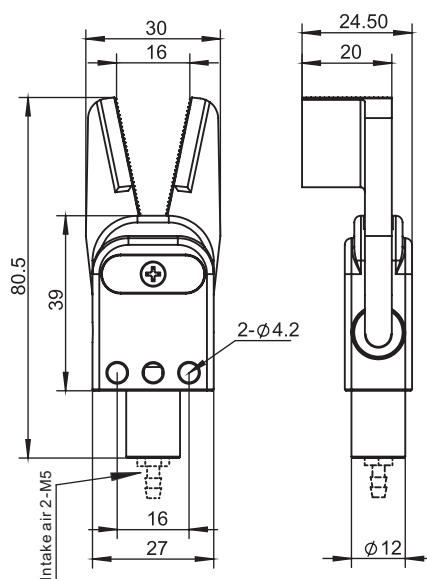
Air Nipper

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

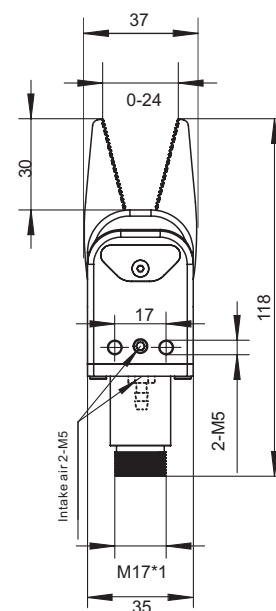
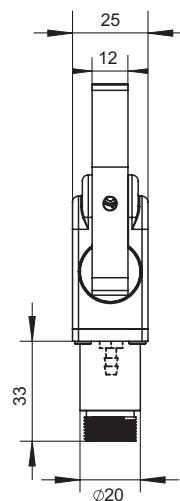
Air Nipper

Vacuum Module

Accessory Components

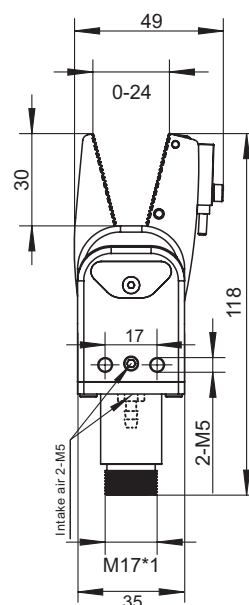
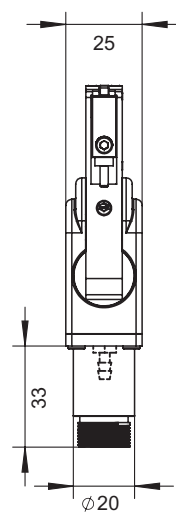


GR20A-20
(Without Sensor)



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

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



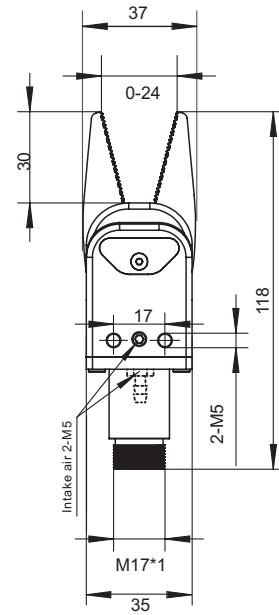
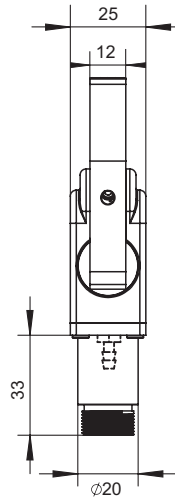
PN	Model	Sensor	F	Weight
8.Y00224	GR20A-20	-	80N	112g
8.Y00049	GR20A-20-C	-	80N	118g
8.Y00226	GR20A-20-CP	PNP	80N	137g
8.Y00051	GR20A-20-CN	NPN	80N	137g

Sprue Gripper GR20 Series



GR20B-20
(Without Sensor)

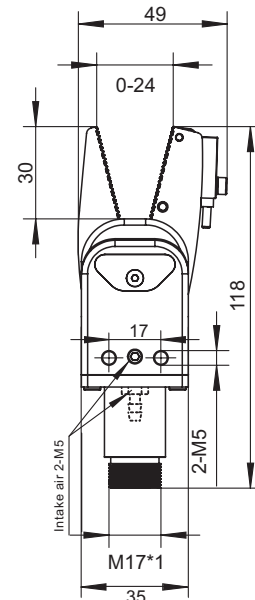
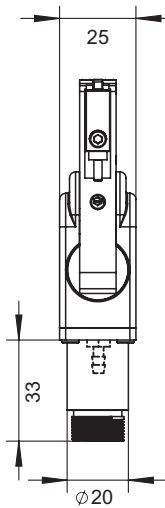
The four screws on the bottom are loose for ventilate conveniently when they leaving the factory



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

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

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



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

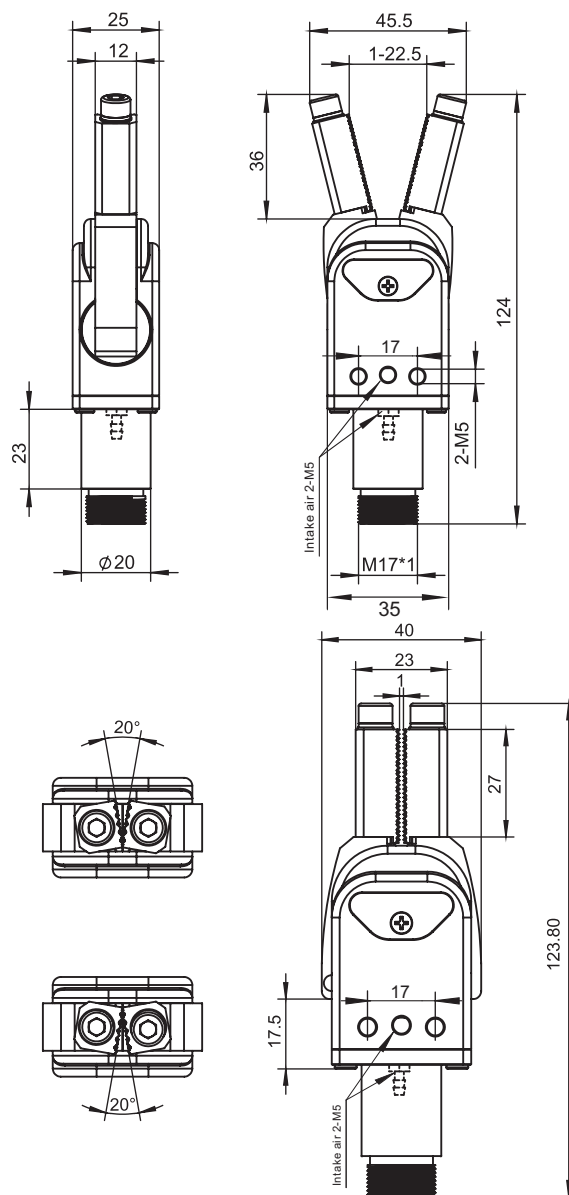
Accessory Components

Sprue Gripper GR20 Series



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

GR20C-20
(Without Sensor)

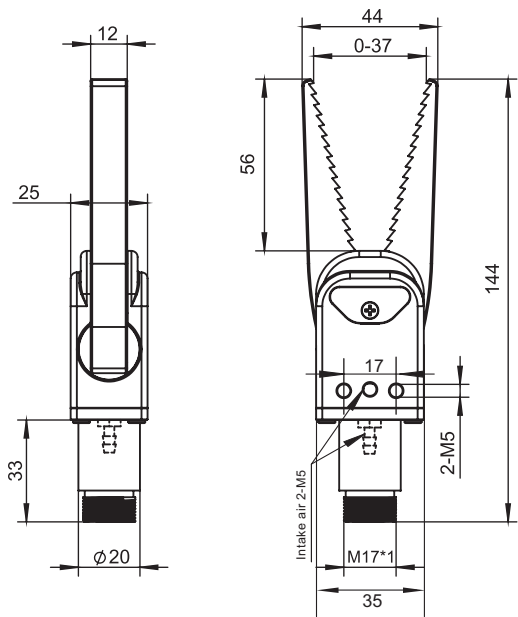


PN	Model	Sensor	F	Weight
8.Y00342	GR20C-20	-	80N	140g

Sprue Gripper GR20 Series



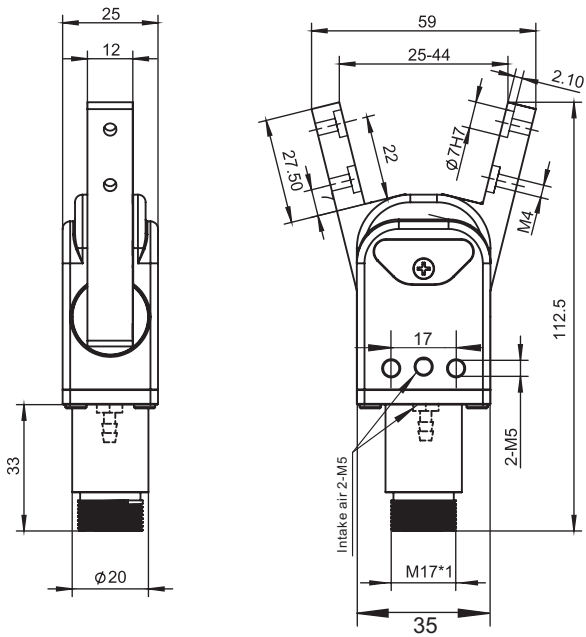
GR20D-20
Without Sensor



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



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

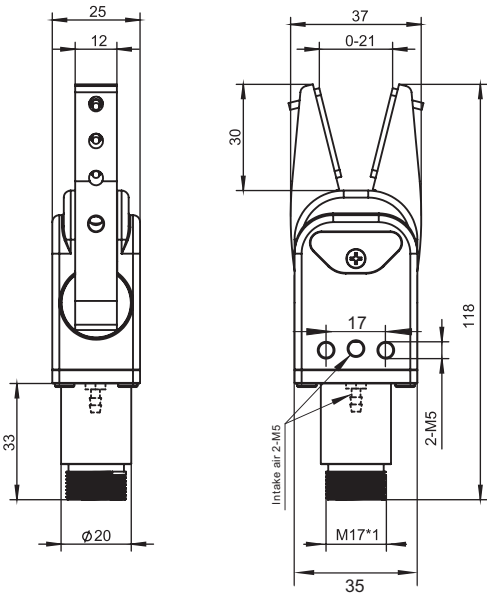
Vacuum Module

Accessory Components

Sprue Gripper GR20 Series



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

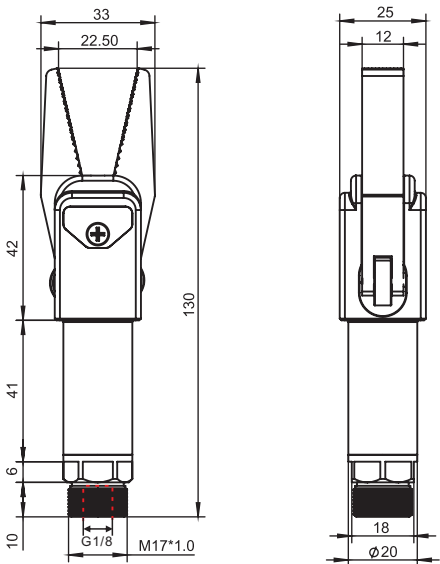
Air Nipper

Vacuum Module

Accessory Components

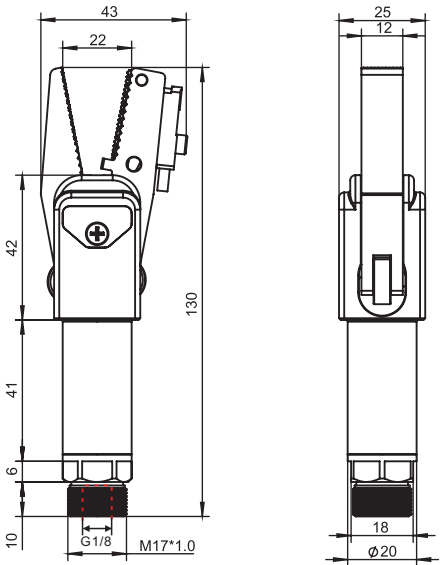


GRT20A
(Without Sensor)



GRT20A-CN(CP)
(With Sensor)

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

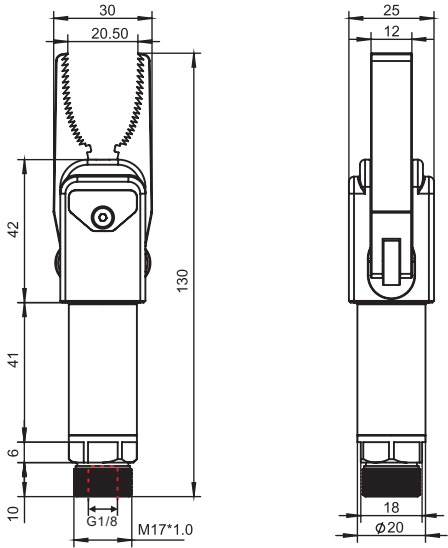


PN	Model	传感器(Sensor)	抓取力(F)	重量(Weight)
8.Y00257	GRT20A	-	100N	111g
8.Y00258	GRT20A-CN	NPN	100N	130g
8.Y00259	GRT20A-CP	PNP	100N	130g

Sprue Gripper GRT20 Series

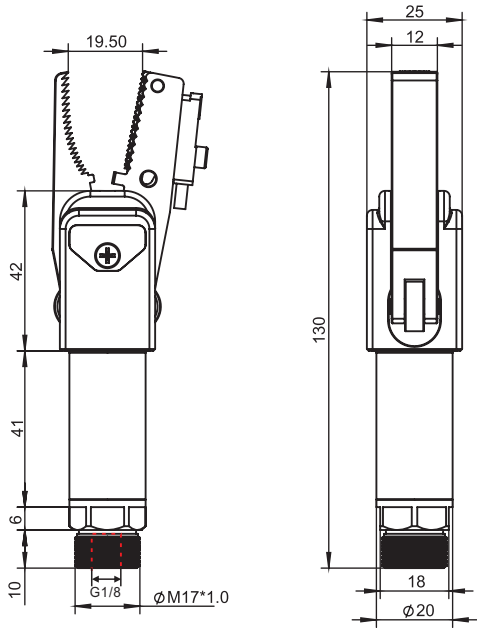


GRT20B
(Without Sensor)



GRT20B-CN(CP)
With Sensor

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



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

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

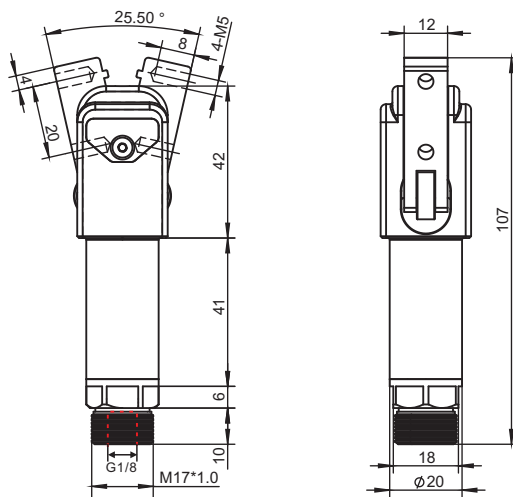
Air Nipper

Vacuum Module

Accessory Components



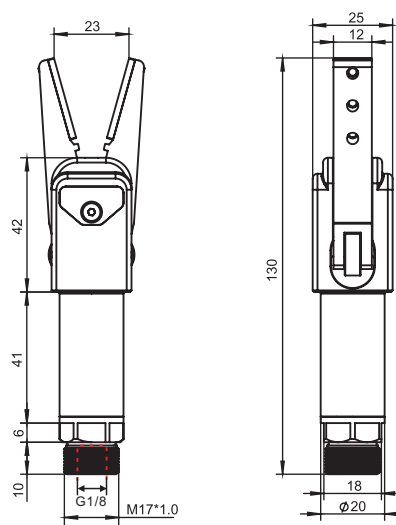
GRT20C
(Without Sensor)



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



GRT20D
(Without Sensor)

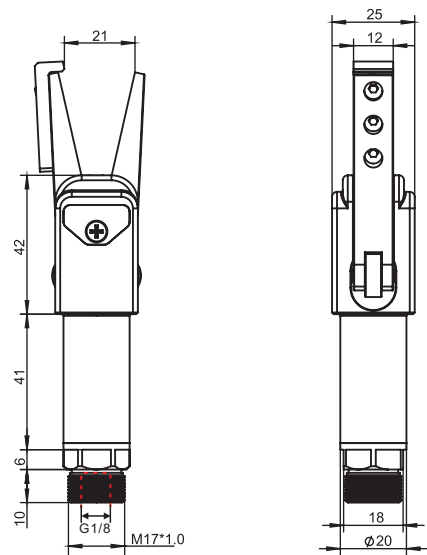


PN	Model	Sensor	F	Weight
8.Y00317	GRT20D	-	100N	160g

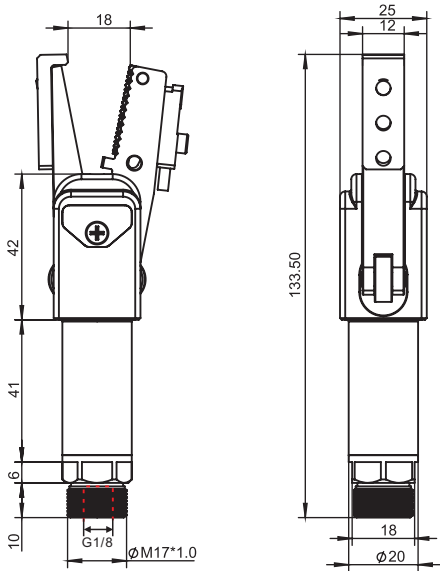
Sprue Gripper GRT20 Series



GRT20E
(Without Sensor)



GRT20E-CN(CP)
(With Sensor)



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

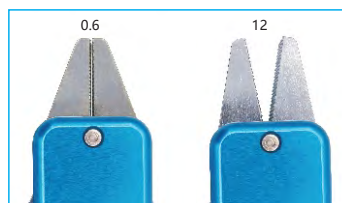
Air Nipper

Vacuum Module

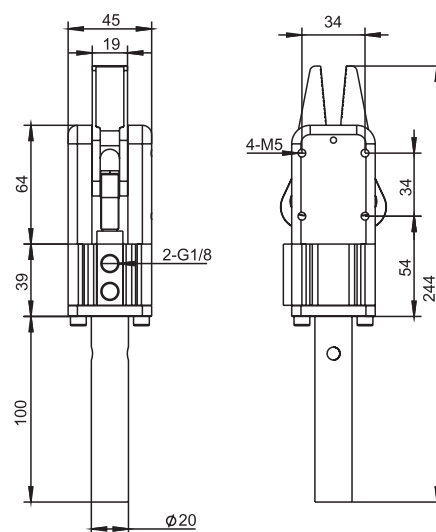
Accessory Components



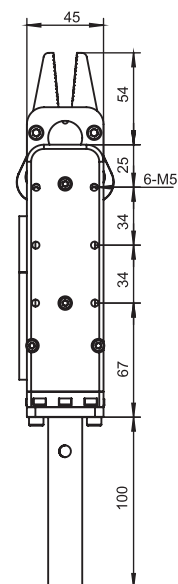
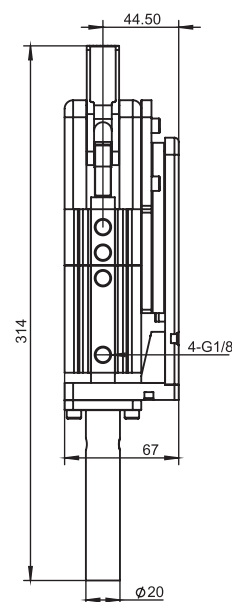
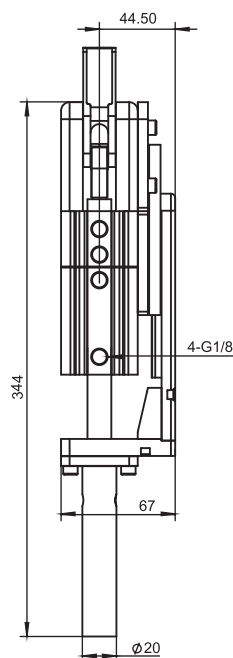
A 齿



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.

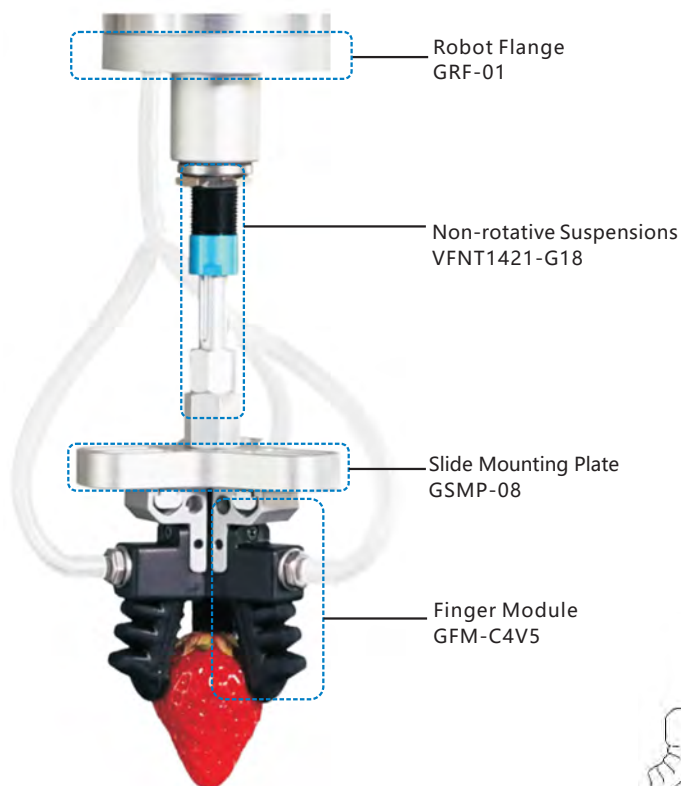
Requirements:

Working air pressure 6 bar.

Requires filtered dry air.

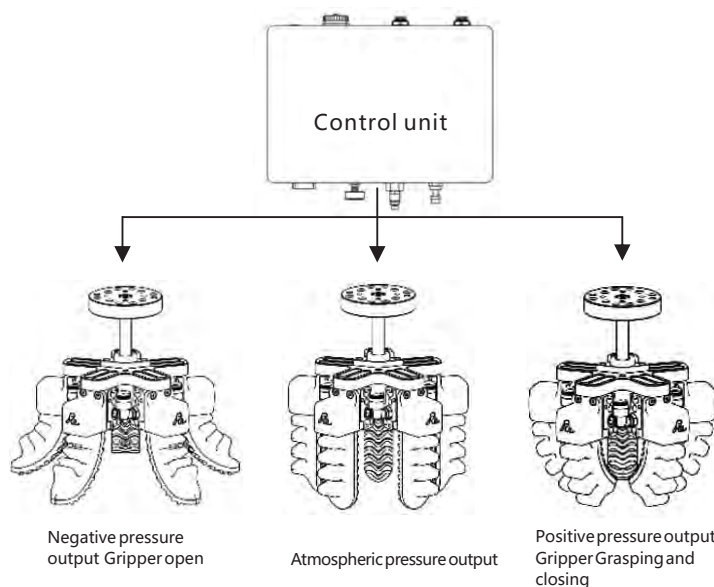
PN	Model	Sensor	F	Weight
8.Y00278	GRP32A	-	200N	604g
8.Y00315	GRP32A-30	-	200N	1276g
8.Y00388	GRP32B	-	200N	608g
8.Y00387	GRP32B-30	-	200N	1282g

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.

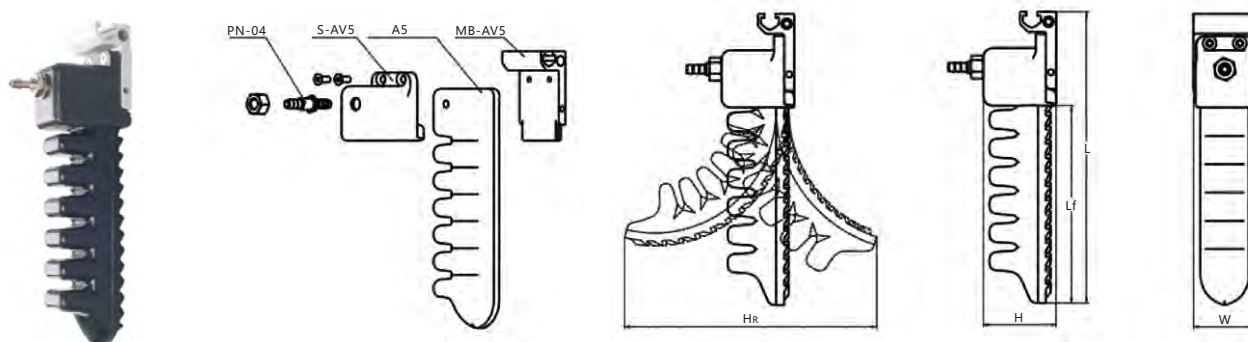


Medical industry

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.

Finger Module

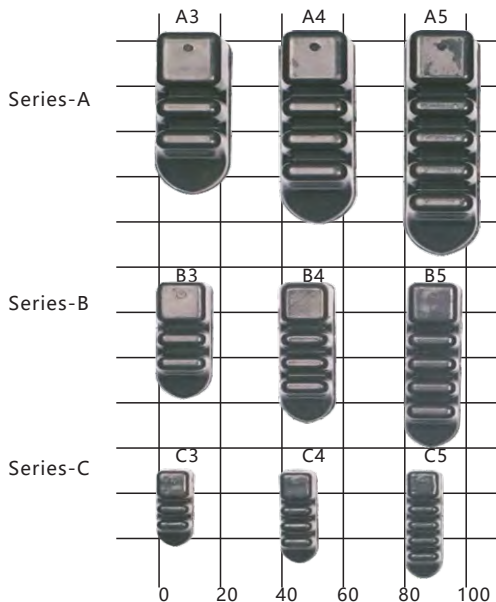
Series-GFM-V5



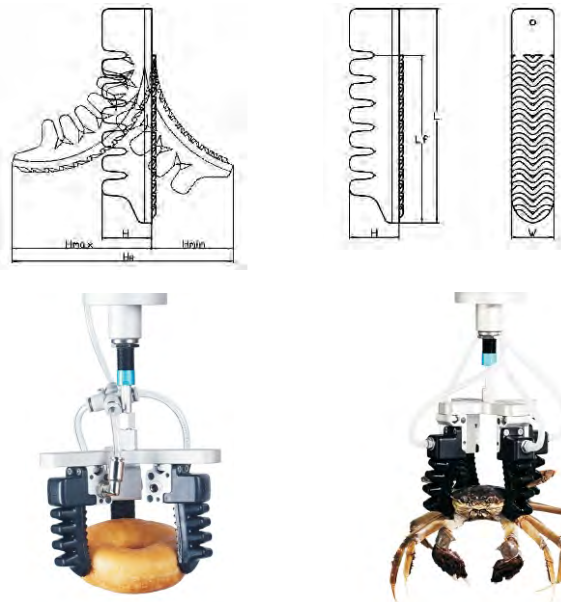
Series	PN	Model	H[mm]	Fingertip Stroke Hr [mm]	Lf[mm]	L[mm]	W[mm]	Load Range[g]	Self Weight[g]
A	4.Y00500	GFM-A3V5	36	30	41	88	31	200 - 500	52
	4.Y00501	GFM-A4V5		55	55	102			57
	4.Y00502	GFM-A5V5		80	69	116			62
B	4.Y00503	GFM-B3V5	29	38	31	71	25	150 - 300	28
	4.Y00504	GFM-B4V5		50	42	82			29.5
	4.Y00505	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



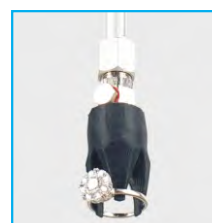
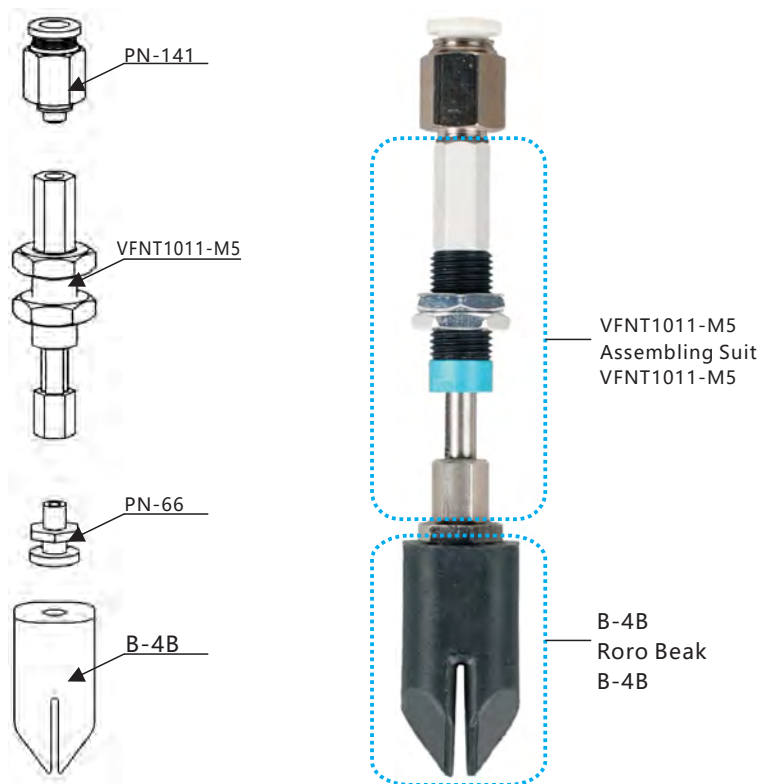
Size Parameter



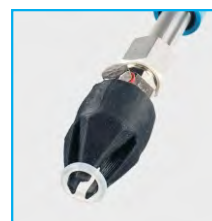
Series	PN	Model	H[mm]	Fingertip Stroke Hr [mm]		Lf[mm]	L[mm]	W[mm]	Load Range[g]	Self Weight[g]
				Positive Pressure Hmin	Negative Pressure Hmax					
A	1.Y08421	A3	28	10	20	41	69	24	200-500	30
	1.Y08422	A4		25	30	55	83			35
	1.Y08423	A5		35	45	69	97			40
B	1.Y08424	B3	21	19	19	31	52	18	150-300	14
	1.Y08425	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

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

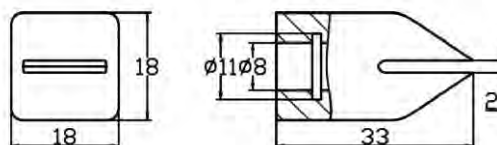
PN	Model	Maximum Load	Maximum Working Frequency	Precision Range
4.Y00509	GBS-2B-S01	5 g	200 times/min	0.1 mm
4.Y00510	GBS-3B-S01	5 g	200 times/min	0.1 mm
4.Y00511	GBS-4B-S01	5 g	200 times/min	0.1 mm

Roro Beak

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

Roro Beak B-2B

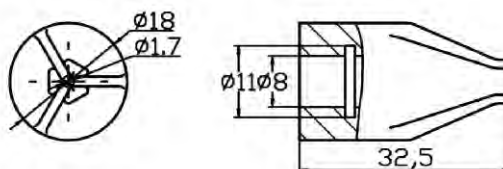
PN	1.Y08430
Model	B-2B



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

Roro Beak B-3B

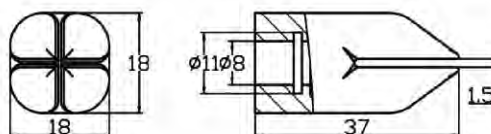
PN	1.Y08431
Model	B-3B



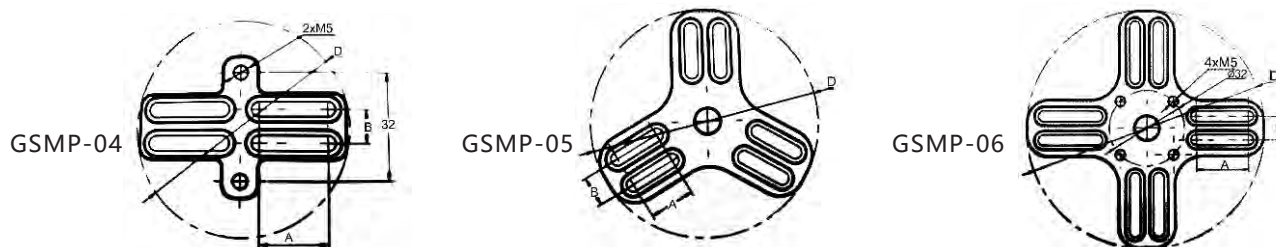
4 pieces Roro Beak Gripping Range: 1-5mm, Application: spherical, irregular small objects, the best universality

Roro Beak B-4B

PN	1.Y08432
Model	B-4B



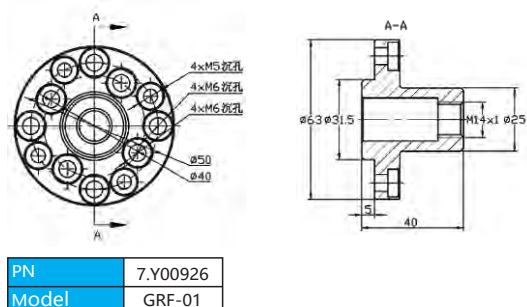
Slide Mounting Plate



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

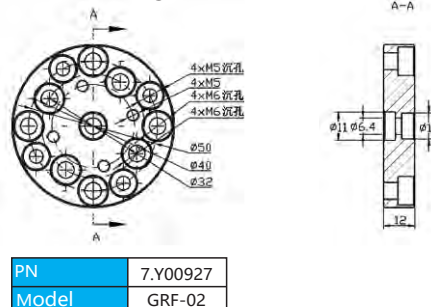
Robot Flange

GRF-01 Robot Flange GRF-01



PN	7.Y00926
Model	GRF-01

GRF-02 Robot Flange GRF-02

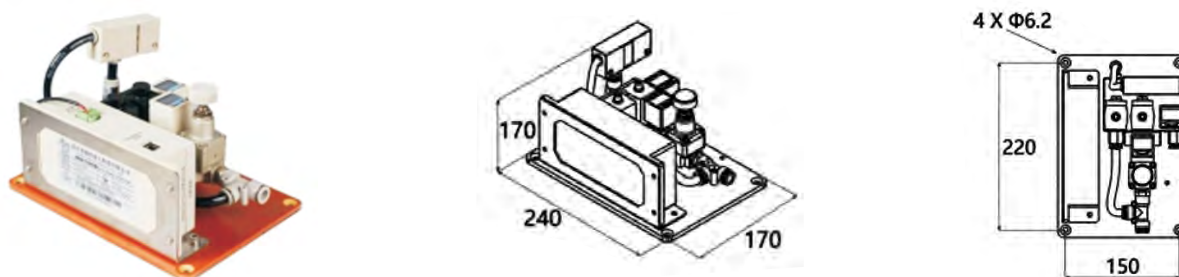


PN	7.Y00927
Model	GRF-02

iPCU Integrated Passive Control Unit

iPCU-SMN

Integrated Passive Control Unit - Manual air pressure regulator Standard model



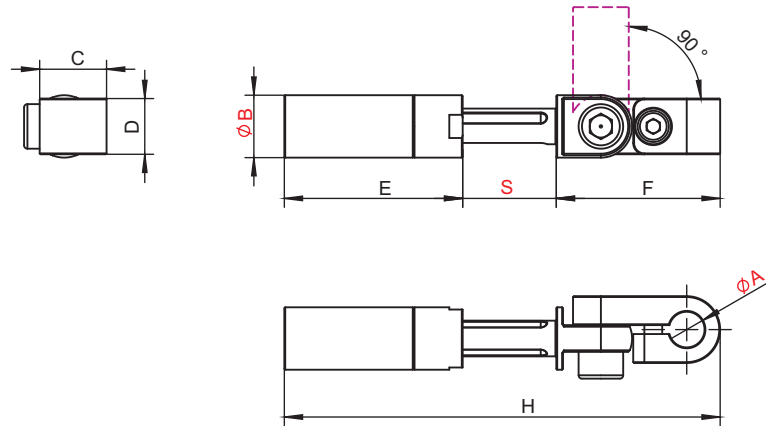
PN	Model	Size mm	Protection Grade	Net Weight kg
1.Y08433	iPCU-SMN	170*240*170	IP20	2.8

Work and Installation Parameter

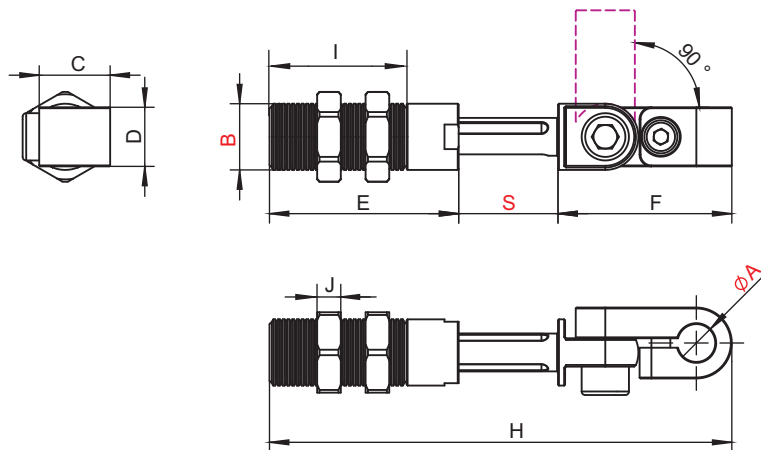
Parameter	Range
Fuselage Shell	Integrated, no shell
Rated Voltage	24VDC±10%
Rated Current	1500mA
Input Air Source	0.45~1.0MPa dry clean air, flow>200L/min
Output Air Pressure	-70~120kPa
Control Mode	a. Wireless remote control, 315M RF
Feedback Mode	b.Signal cable, I/O,24VDC level signal Modbus, TCP/RTU-485
	Signal cable, I/O, switch signal
Work Mode	Energy-saving mode ^{Note 1} :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

Buffer Support

Dimensions (mm)

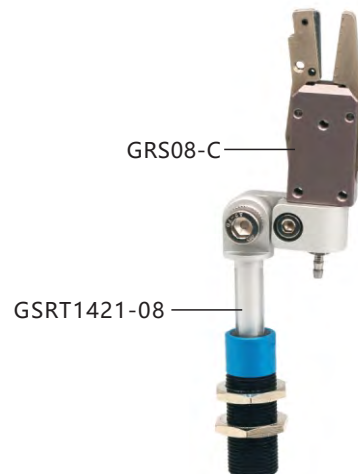
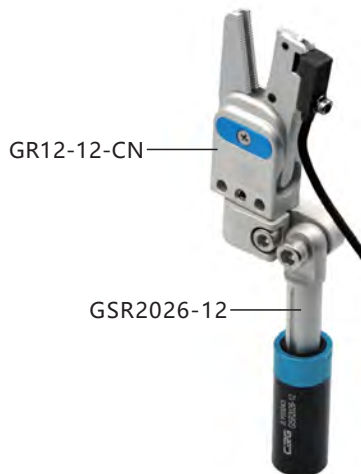


PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	S(mm)	Weight
8.Y00241	GSR1421-08	8	14	15	12.5	40	36.75	97.75	21	36g
8.Y00329	GSR2026-10	10	20	20	15	50	45.5	121.5	26	74g
8.Y00243	GSR2026-12	12	20	20	15	50	45.5	121.5	26	73g
8.Y00330	GSR2051-10	10	20	20	15	84	45.5	180.5	51	111g
8.Y00331	GSR2051-12	12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

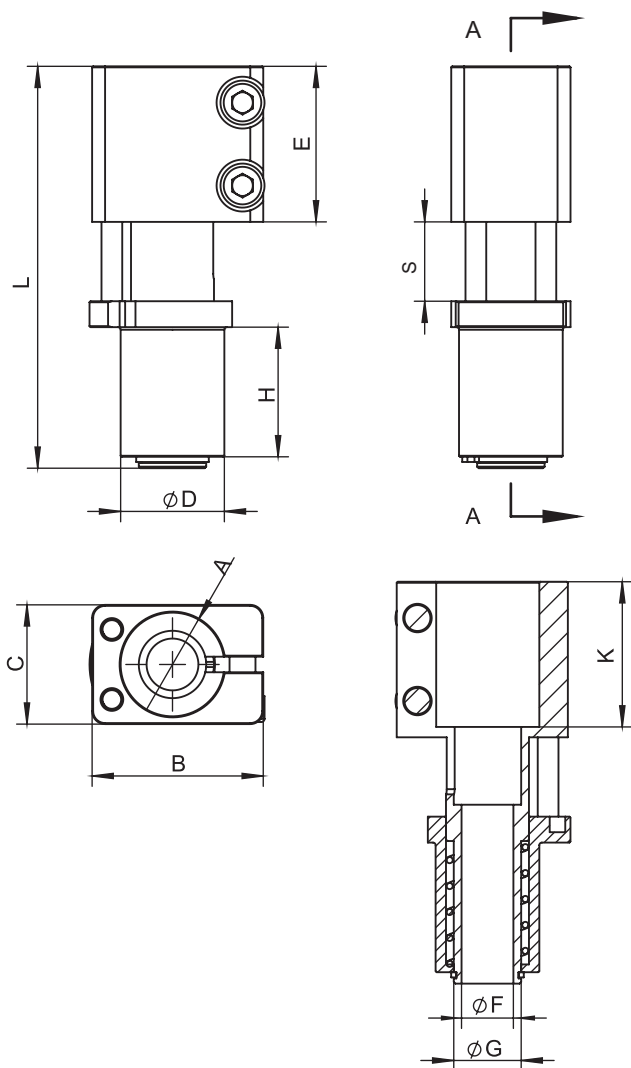


Buffer Support

Dimensions (mm)



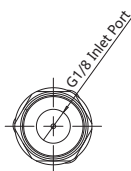
Application example



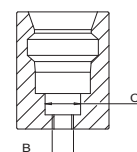
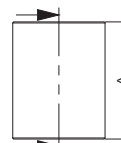
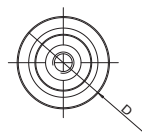
PN	Model	A	B	C	D	E	F	G	H	L	K	S	Weight
8.Y00238	GSP20-14	14	31	20	20	30	10	13	25	77.5	28	15	57g
8.Y00239	GSP20-20	20	33	23	20	30	10	13	25	77.5	28	15	65g

Mould Positioner

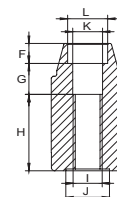
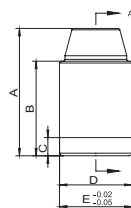
Dimensions (mm)



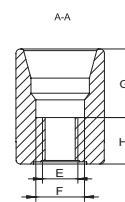
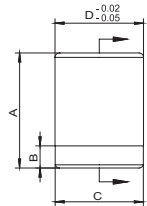
PN	Model	A	B	D	E	F	G	H	I	J	K	Force	Weight
8.Y00088	GMP20A	46	25	M17*1	19	18	10	9	Ø20	Ø15.5	G1/8	190N	78g
8.Y00089	GMP30A	75	38	M27*1	28	27	11	10	Ø30	Ø25.5	G1/8	280N	303g



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

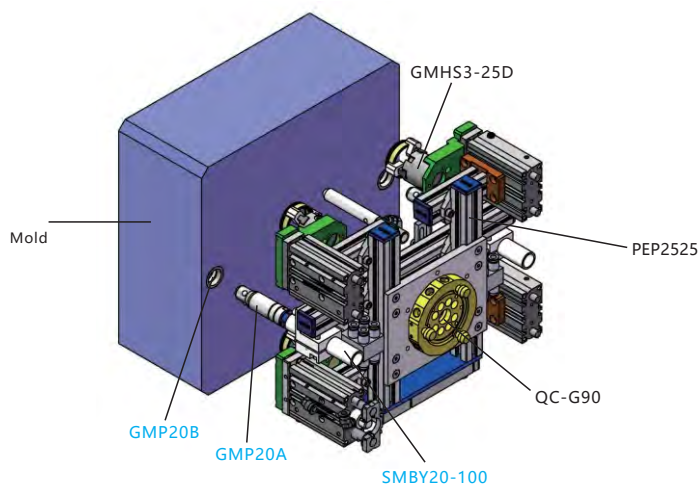


PN	Model	A	B	C	D	E	F	G	H	I	J	K	L	Weight
7.Y00894	GLU20A	35	26	5	Ø19.92	Ø20	5.50	8.50	21	M8	Ø12	Ø8.20	Ø11	61g



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

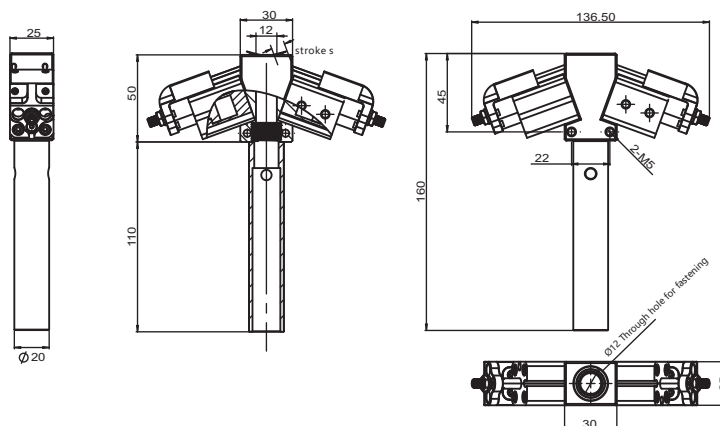
Air Nipper

Vacuum Module

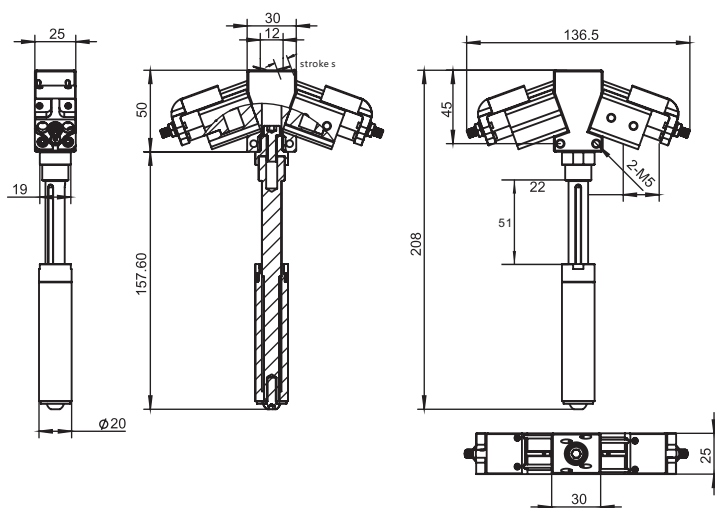
Accessory Components



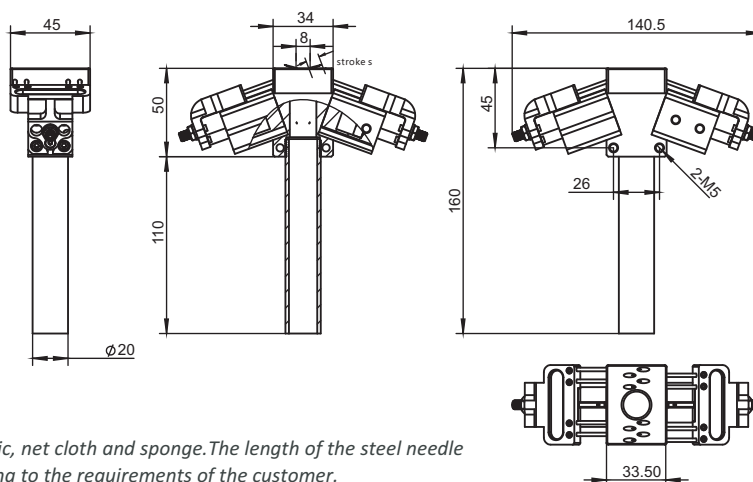
GN2010



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 ³		
Weight	274g	240g	317g

Bulging Device

Model representation methods



basic size
Body Diameter

GBD

18

H

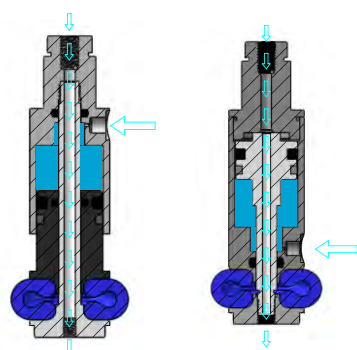
D

Middle through hole

Actuation direction

D - Downward
U - Upward

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.

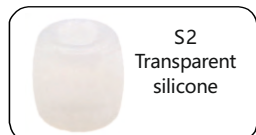
Silicone rubber

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



S1
Blue Silicone



S2
Transparent
silicone

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)

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Bulging Device

Profile / SUS Tube

Stents Module

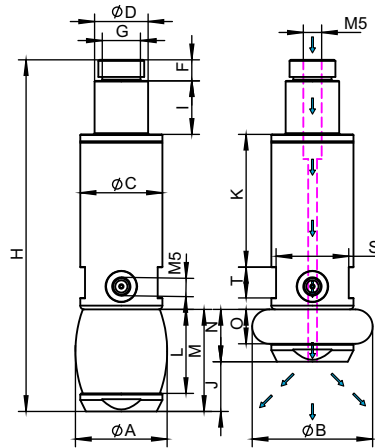
Quick Changer

Grip Module

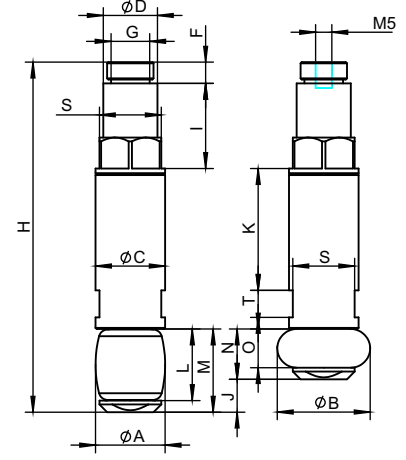
Air Nipper

Vacuum Module

Accessory Components

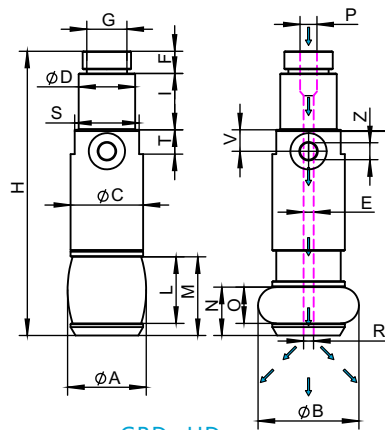


GBD...HU



GBD...U

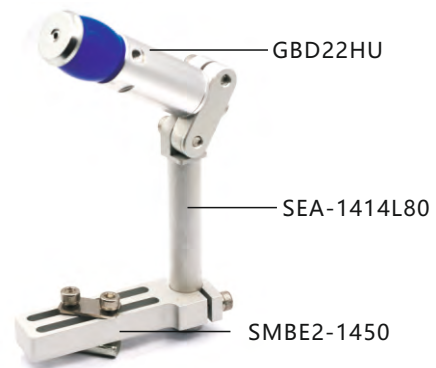
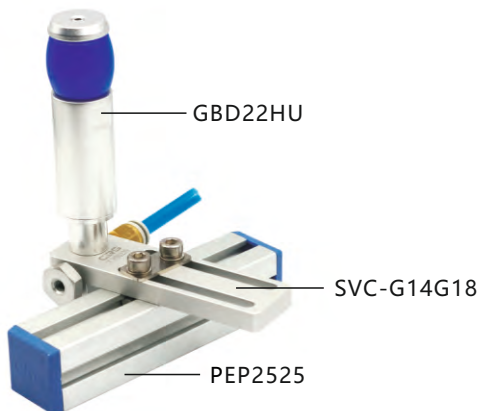
PN	Model	ØA	ØB	ØC	ØD	F	G	H	I	J	K	L	M	N	O	S	T	Weight
8.Y00212	GBD18U	18	24	18	14	5.5	M12×1	90.5	22	8.5	31.5	18.5	21.5	13	10	16	7	39.7
8.Y00058	GBD22HU	24	31.5	21.3	14	5.5	M12×1	92	14	13	34.8	22	26.7	13.7	9	19	8	53.8



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

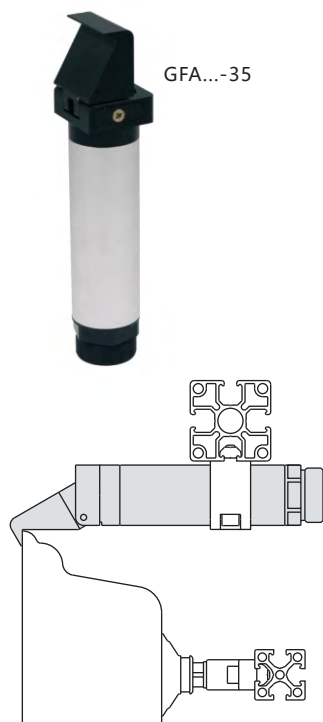
Application example



Not available in Germany, Italy and USA.

One Finger Angular Pneumatic Grippers (Series GF)

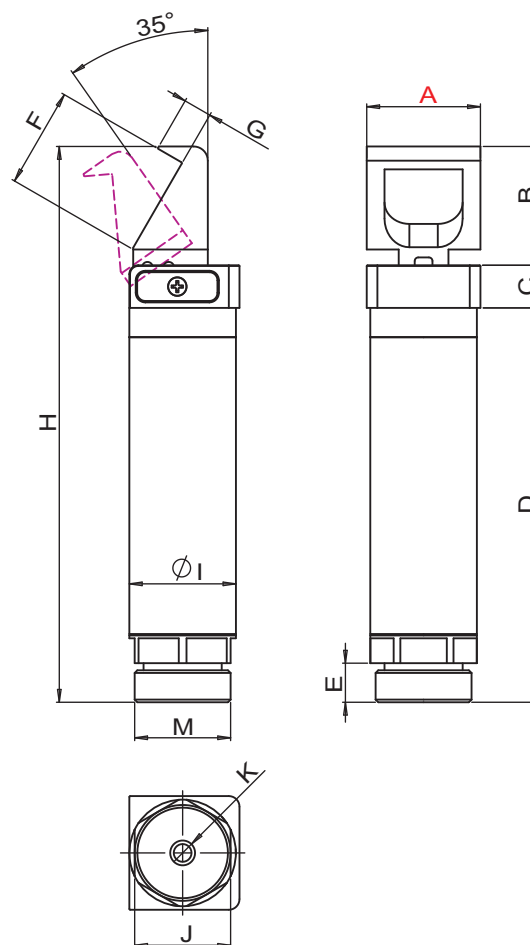
- Single acting.
- Built-in magnetic ring



GFA...-35

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 ³	1.24 cm ³	4.56 cm ³
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

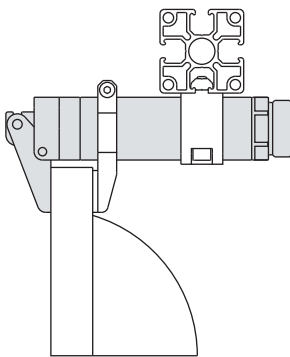


One Finger Angular Pneumatic Grippers (Series GF)

- Single acting.
- Built-in magnetic ring

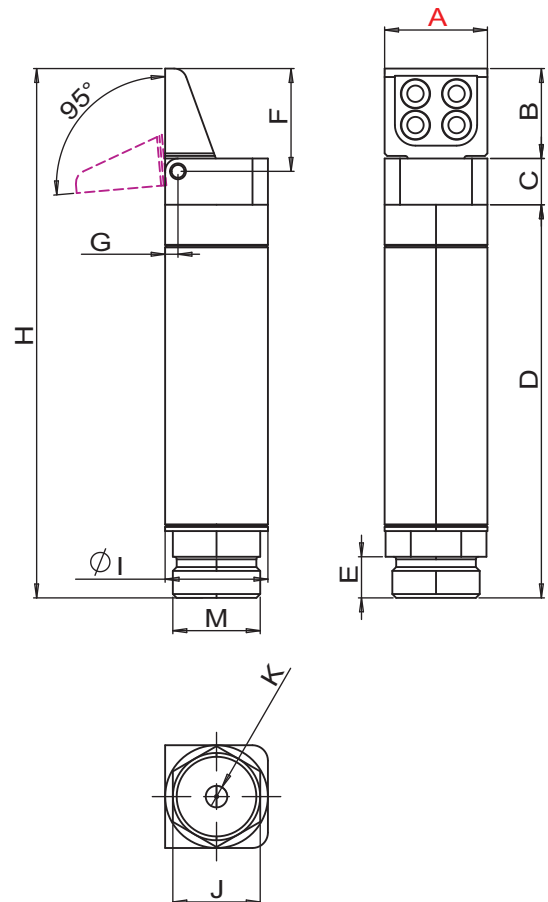


GFR...-95



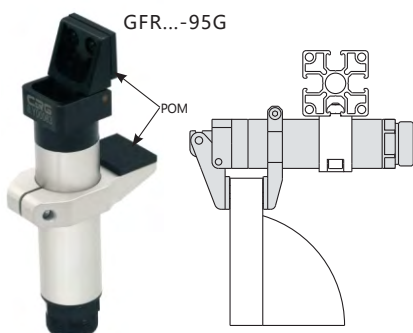
PN	8.Y00042	8.Y00311	8.Y00095
Model	GFR14-95	GFR20-95E	GFR30-95
Medium	Filtered, lubricated / non lubricated compressed air		
Gripper body	Aluminium		
Pressure range	2.5 ~ 8 bar		
Temperature range	-10 ~ 70 °C.		
Stroke	95°		
Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm
Cycle air consumption	1 cm ³	3.52 cm ³	12.9 cm ³
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



One Finger Angular Pneumatic Grippers (Series GF)

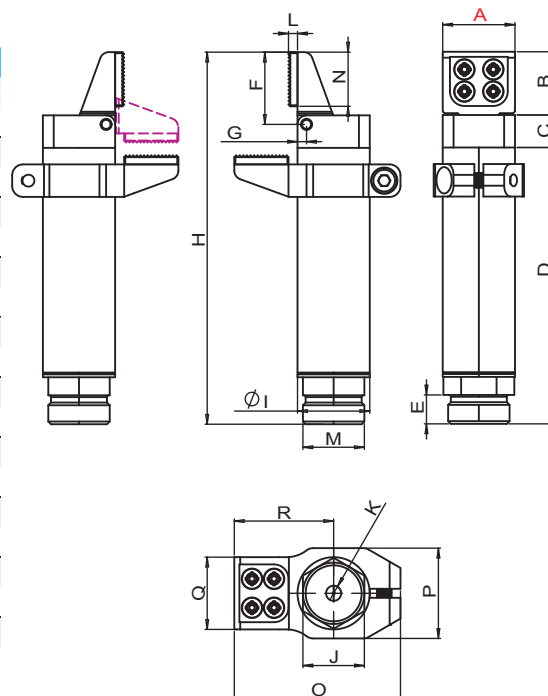
- Single acting.
- Built-in magnetic ring



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 ³	3.52cm ³	12.9 cm ³
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

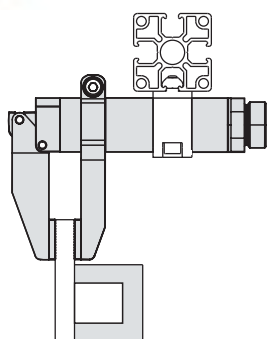
Accessory Components

One Finger Angular Pneumatic Grippers (Series GF)

- Single acting.
- Built-in magnetic ring

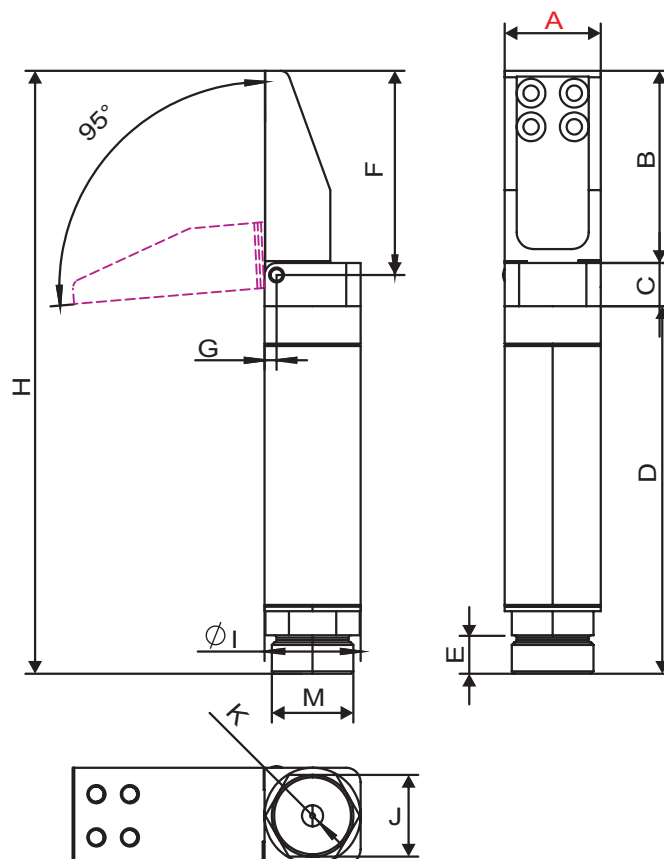


GFR...-95L



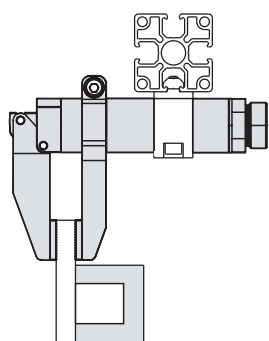
PN	8.Y00309
Model	GFR20-95L
Medium	Filtered, lubricated / non lubricated compressed air
Gripper body	Aluminium
Pressure range	2.5 ~ 8 bar
Temperature range	-10 ~ 70 °C.
Stroke	95°
Piston bore	Ø16 mm
Closing torque at 6 bar	70 Ncm
Cycle air consumption	3.52 cm ³
Weight	81.4g
Built-in magnetic ring	Yes

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)

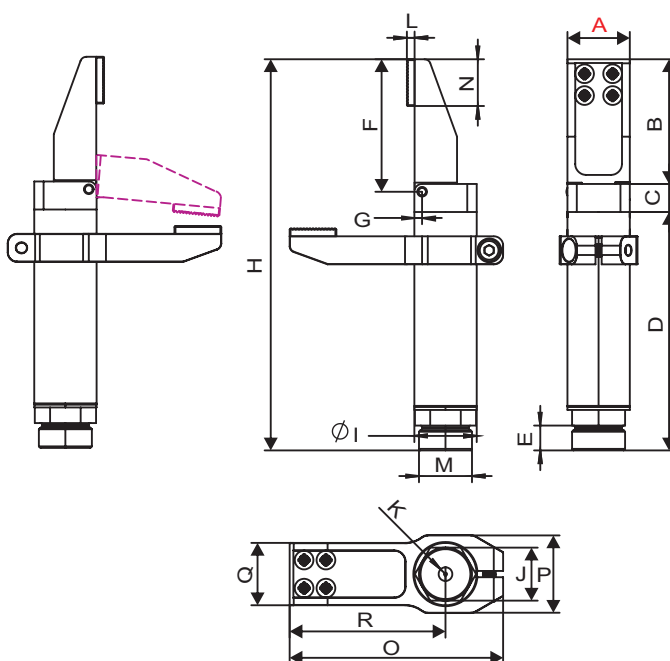
- Single acting.
- Built-in magnetic ring



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 ³
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.

One Finger Angular Pneumatic Grippers (Series GF)

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

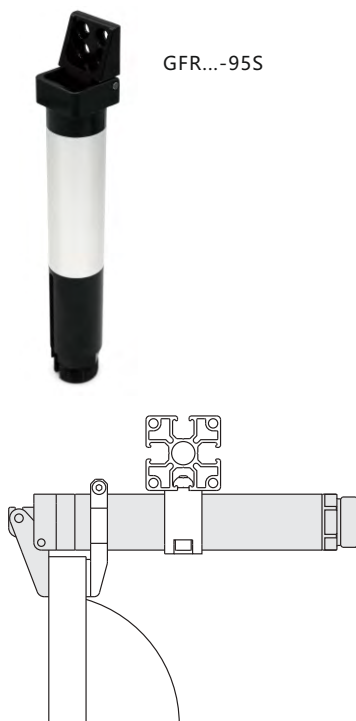
Air Nipper

Vacuum Module

Accessory Components

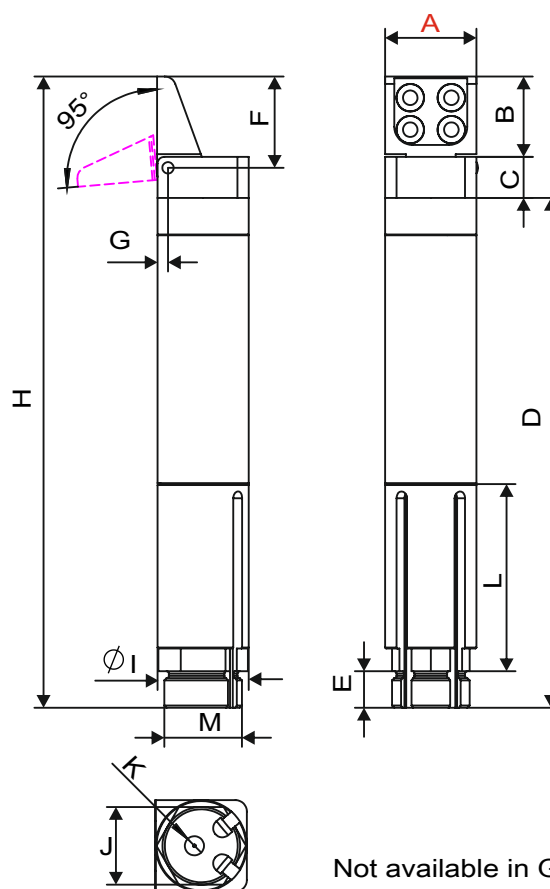
- Single acting.
- Built-in magnetic ring

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 ³
Weight	89g
Built-in magnetic ring	Yes

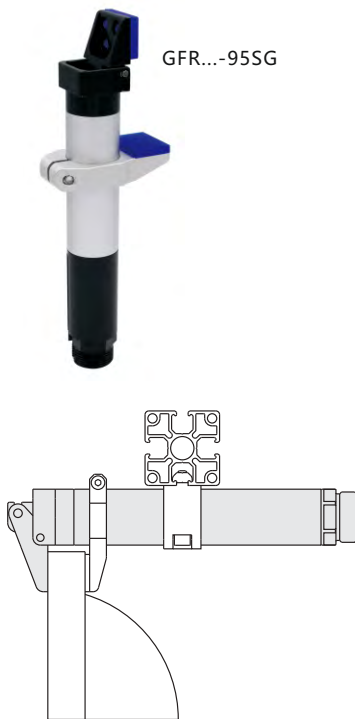
PN	8.Y00335
Model	GFR20-95S
A	20
B	17.5
C	9
D	111.5
E	8
F	20
G	2.3
H	138
I	Ø20
J	17
K	M5
L	41
M	M17×1



Not available in Germany, Italy and USA.

One Finger Angular Pneumatic Grippers (Series GF)

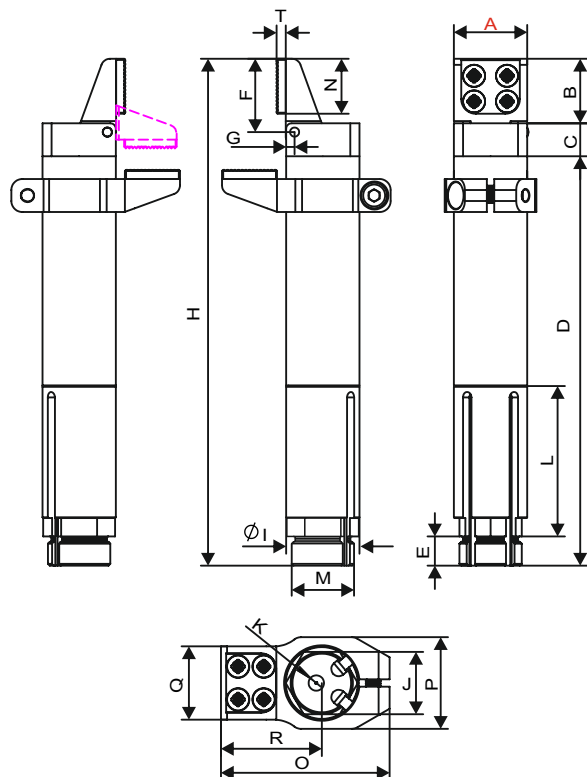
- Single acting.
- Built-in magnetic ring



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 ³
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.

Finger Gripper Options

Profile · SUS Tube

Stents Module

Quick Changer

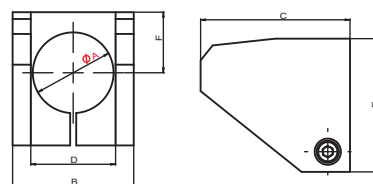
Grip Module

Air Nipper

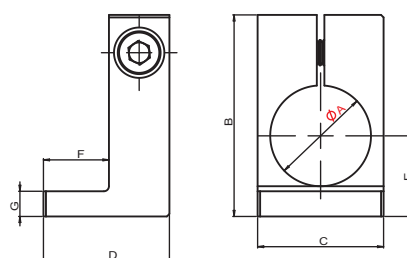
Vacuum Module

Accessory Components

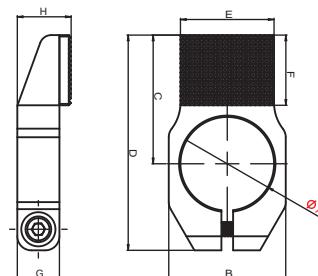
PN	7.Y00778	7.Y00779
Model	GP1-20	GP1-30
A(mm)	Ø20	Ø30
B(mm)	30	45
C(mm)	37	65
D(mm)	21	32
E(mm)	33	44
F(mm)	15	20
Weight	20g	60g



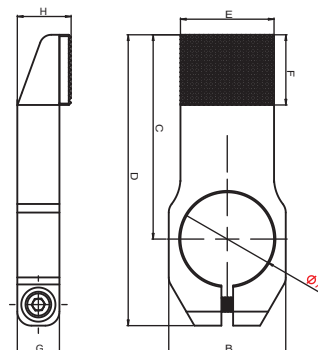
PN	7.Y00780	7.Y00781	7.Y00782
Model	GP2-14	GP2-20	GP2-30
A(mm)	Ø14	Ø20	Ø30
B(mm)	24	35	45
C(mm)	19	25	35
D(mm)	12	25	25
E(mm)	11	16	21
F(mm)	6	13	13
G(mm)	3.5	5	5.5
Weight	5g	14g	23g



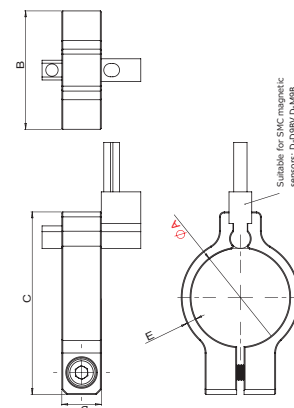
PN	7.Y00783	7.Y00700	7.Y00908	7.Y00785
Model	GP3-14	GP3-20	GP3-20L	GP3-30
A(mm)	Ø14	Ø20	Ø20	Ø30
B(mm)	19	25	25	37
C(mm)	14	20	50	30
D(mm)	32	43.5	68.5	63
E(mm)	19	27.5	20	40
F(mm)	10	9.5	15	12
H(mm)	11	15	11.5	20
G(mm)	6	7	9	9
Weight	6g	12g	19.8g	30g
	Silicone	Silicone	Silicone	POM



GP3-20L



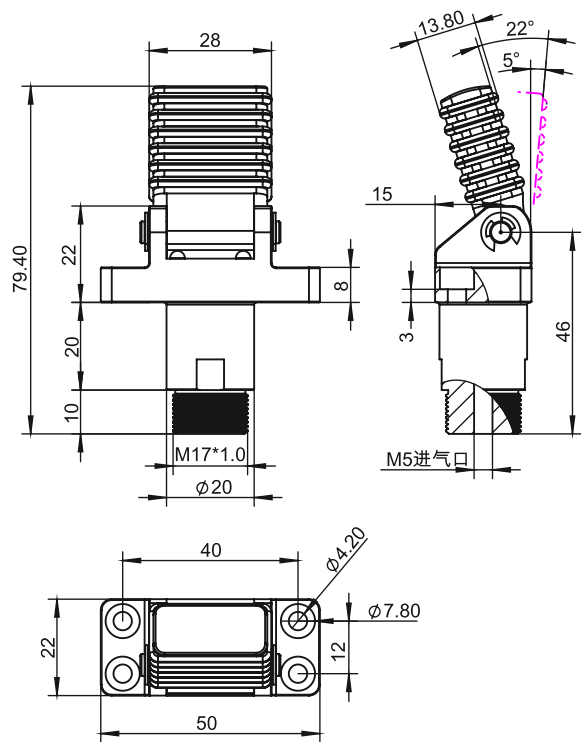
PN	7.Y00786	7.Y00787	7.Y00788
Model	GS-14	GS-20	GS-30
A(mm)	Ø14	Ø20	Ø30
B(mm)	18	24	34
C(mm)	30	37	47
D(mm)	8	8	8
E(mm)	2	2	2
Weight	14g	17g	25g



One Finger Angular Pneumatic Grippers (Series GO)



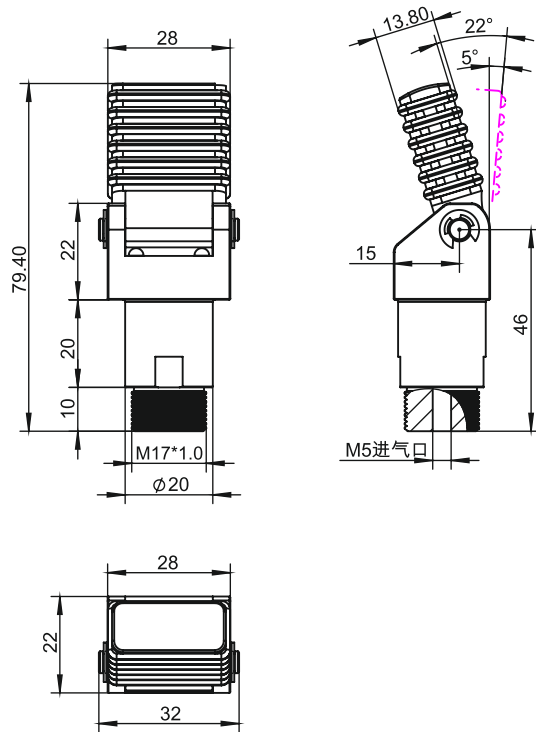
Not available in Germany, Italy and USA.



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



Not available in Germany, Italy and USA.



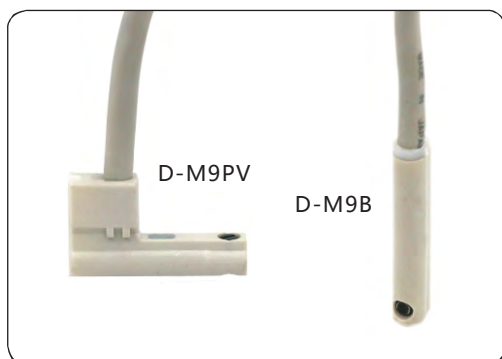
PN	Model	Weight	Heat resistance (in °C)
8.Y00398	GOP20-20-NBR	50g	-20 to 80
8.Y00397	GOP20-20-VMQ	50g	-40 to 160

Optional Magnetic Sensors

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

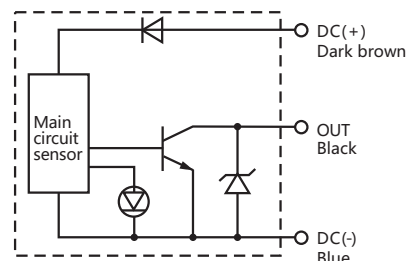
The use of magnetic proximity sensors is to be avoided in the vicinity of large masses of ferromagnetic material or intense magnetic fields as this may cause detection problems.

The sensors that can be used are:

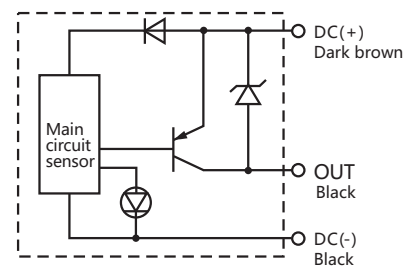


PN	1.Y00293
Model	D-MQ

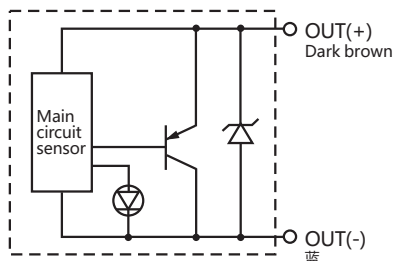
D-M9N · M9NV



D-M9P · M9PV



D-M9B · M9BV



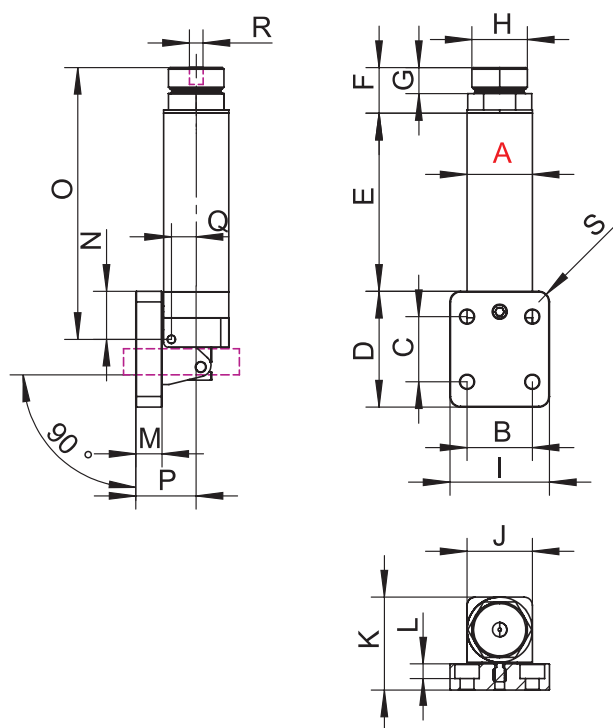
PN	Model	Type	L(mm)
1.Y00310	D-M9B	NPN	0.5m/0.5m
1.Y00307	D-M9BL		cable3.0m/3m cable
1.Y02565	D-M9BV	NPN	0.5m/0.5m
1.Y03843	D-M9BVL		cable3.0m/3m cable
1.Y00311	D-M9N	NPN	0.5m/0.5m
1.Y00295	D-M9NL		cable3.0m/3m cable
1.Y00298	D-M9NV	NPN	0.5m/0.5m
1.Y03598	D-M9NVL		cable3.0m/3m cable
1.Y00309	D-M9P	PNP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

Air Nippers For Resin Gate

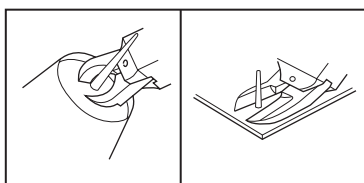
These are high-class air nippers that can be mounted on gate cutting equipment and standby jigs for accurate, speedy cutting of resin products. VESSEL has a wide selection of items to meet a variety of needs, from around-the-clock operations to high cutting precision.



Solution

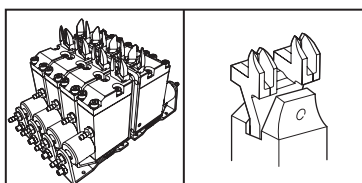
Cut, grab, crimp and punch.

Cutting direct gate molded components



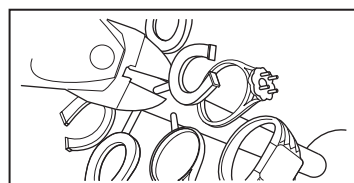
Cuts large diameter sprues such as garment cases, helmets, pipe joint parts, trash cans, planters. Superb durability in long term use.

Gate cut for multiple impression molded components



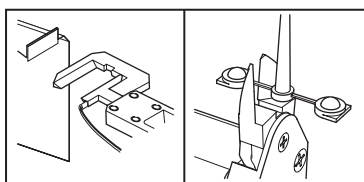
Compact, lightweight body and with a large selection of blade items, easy mounting on chuck board and standby jig. Achieves efficient cuts matching cycle time.

Taking products from a jewelry tree



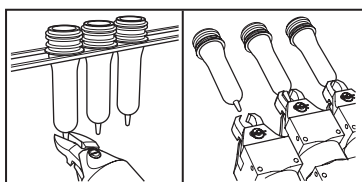
Cutting of precious metals for rings, necklaces etc. Superb durability and increased efficiency with powerful nipper blades.

Gate cutting for lenses, LGP, and transparent products



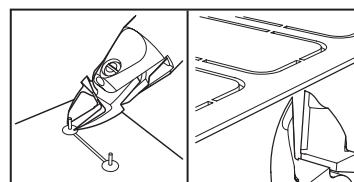
Various heated nippers prevent cracks and whitening, the decisive factor is the heating temperature of the blades and cutting speed. Supports demands for improved flexibility and high precision cutting.

Pre-form cutting for food and drug cases



Improved efficiency in pre-forming, nippers attached to flat finish pre-form molding machine. Cut precision is linked to product quality.

Cutting electronic components and around boards



Optimal handy nippers for cutting lead lines after soldering to significantly reduce wrist strain. Substrate is attached to the desktop robot...

Profile · SUS Tube

Stents Module

Quick Changer

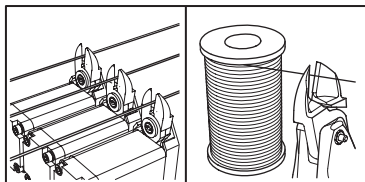
Grip Module

Air Nipper

Vacuum Module

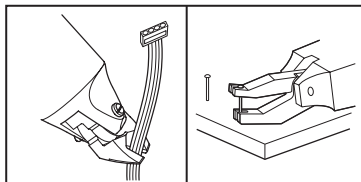
Accessory Components

Wire cutting with coil winding machine



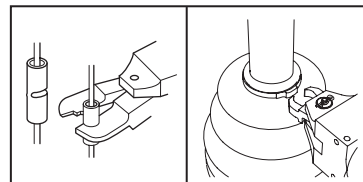
Attach to the nipper unit of automatic coil winding machine for power transformers, fan motors and ignition. Cutting thick diameter wires that cannot be torn off.

Hand tools for dismantling in recycling plants



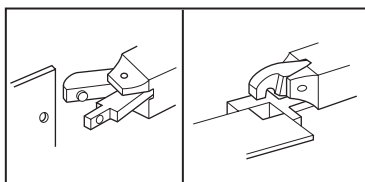
Cuts a variety of wires, copper tubing and steel bands in recycling plants such as PCs and OA equipment, pachinko machines, TVs, and refrigerators, washing machines, etc. Nippers for the purpose of pulling out the pachinko machine pins.

Crimping task for solderless terminals



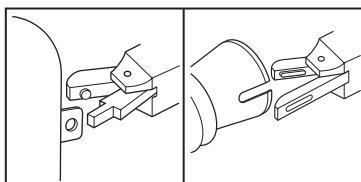
For crimping terminals with various wiring harnesses such as for switchboards, electrical products and lighting equipment. Less strain on fingers and wrists. Increased work efficiency for stop rings for auto parts.

Die cutter for aluminum products and plastic components



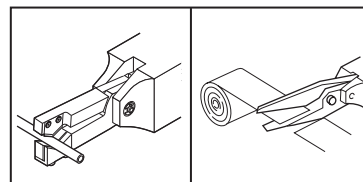
By support for separate blades, allows punching and form cutting of aluminum sash and thin plates.

Punching of blow molded products, punching slotted holes



Punching blow molded products, punching slotted holes, for containers that cannot be punched and automobile ducts, etc.

Other applications



Micro-edge air scissors that can cut various hard-to-cut fibers, carbon, aramid fibers, and soft plastic sheets. Nippers for cutting belt loops of jeans, peeling recycled golf balls, cutting edges with textile machinery, etc.

Selection method for air nipper

Check materials

What is the "cutting target (workpiece)"?

- Metal wire
 - Steel wire
 - Copper wire
 - Piano wire (not heat processed/HV320 or below), precious metals etc.
- Molded plastic
 - Soft plastic (PP, PE, PS, PVC, PMMA, AS etc.)
 - Hard plastic (PPS, PA, PBT, LCP, ABS, POM, PC, GF etc.)
- Other applications
 - Check materials, applications and work.
(Bending, caulking, punching, robotic hand, and scissors.)

Check dimensions

How big is the "size of the cut portion"?

- Metal
 - Angle (mm × mm) [select model by cross-section area]
 - Round (Φ mm)
- Plastic
 - Angle (mm × mm) [select model by cross-section area]
- Other applications
 - Check materials, applications and work.

Usage

What is the "state/environment of the work"?

- Used mounted on automated machinery and robots.
- Used for manual work.
- Used mounted on a jig. And so forth

Select model

Choose a model suitable for the purpose.

Choose based on "usage and cut dimensions" for the main unit, and "material and dimensions/shape" for the blades. Refer to "product specifications" for the main unit/blade characteristics/usage, respectively. Also when selecting the machine, refer to "capability selection chart".
The shape/material of the workpiece may not be compatible with standard products.

■ Capability selection chart

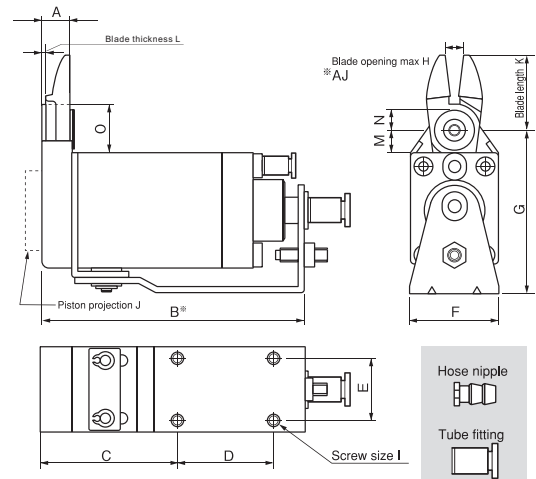
Types	Cutting material							Application model	Airpressure (MPa)
	Copper wire	Steel wire (Non-heat treated)	PianoWire (HV 320 or below)	Soft Plastic		Hard Plastic	Solderless terminals		
				(Diameter)	(Cross Section)				
N • NS • NR	1.0mm	0.5mm	0.2mm	2.0mm	3.1 mm			NS2,N3,NS3,NR3	0.4~0.5
	1.0	0.5	0.3	2.0	3.1			N5,NS5,NR5	0.4~0.5
	1.6	1.0	0.5	3.0	7.0	2.0mm		N7,NS7,NR7	0.4~0.5
	1.8	1.2	0.5	4.0	12.5	2.6		N10,NS10L,NR10L	0.4~0.5
	2.3	1.7	0.6	4.5	15.8	4.0		N12	0.4~0.5
	2.6	2.0	1.0	7.0	38.4	5.0		N20,NS20,NR2 0	0.5~0.6
	3.3	2.8	1.2	10.0	78.5	6.5	1.25/2. 0	N30,NS30,NR3 0	0.5~0.6
	5.5	4.5	2.0	12.0	113.0	6.5		N50,NR50	0.5~0.6
With pressure booster	2.6	1.6		5.0	19.6	4.0	12.5/2. 0	P-10L	
	3.0	2.2		8.0	50.2	6.0	2.0/5.5	P-20	
	4.8	4.0		13.0	132.6	7.0	~0.8	P-30	
	6.5	5.5						P-50	
NY	1.6	1.0		2.0	3.1	1.3		NY03	0.4~0.5
				3.0	7.0	2.0		NF05,NY0 5	0.4~0.5
				3.5	9.6	2.3		NF10,NY1 0	0.4~0.5
				4.0	12.5	2.6		NF15,NY1 5	0.4~0.5
				5.0	19.6	3.4		NY25	0.5~0.6
NT				1.5	1.7	1.0		NT03	0.4~0.5
				2.5	4.9	1.5		NT05	0.4~0.5
				3.5	9.6	2.3		NT10	0.4~0.5
				5.0	19.6	3.4		NT20	0.4~0.5
	AS, HS, BJ type		BBB	AP, PF, AJ type			ACD type		

GT-NY05/10/15/25 Slide-Off Air Nippers Horizontal-Type

NY



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



Capacity ϕ (mm)				Model No.	Size (mm)															Air Consumption (cm ³ /str.)	Weight (g)	Slide Direction/ Distance (mm)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
3.0	2.0	1.6	1.0	GT-NY05	8.6	75.9	40.9	25	15	23	47.6	4	M4	3	22	1.6	8.5	6.25	16.5	48	155	Pull 0~3	W/hose nipple
3.0	2.0	1.6	1.0	GT-NY05R																		Push 0~3	Hose I.D. ϕ 2.5mm
3.0	2.0	1.6	1.0	GT-NY05-4																		Pull 0~3	W/tube fitting
3.0	2.0	1.6	1.0	GT-NY05R-4																		Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
3.5	2.3			GT-NY10	8.8	82.1	42.1	30	20	28	51.6	6	M4	5	24	1.6	7.5	6.25	15.5	68	210	Pull 0~3	W/hose nipple
3.5	2.3			GT-NY10R																		Push 0~3	Hose I.D. ϕ 2.5mm
3.5	2.3			GT-NY10-4																		Pull 0~3	W/tube fitting
3.5	2.3			GT-NY10R-4																		Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
4.0	2.6			GT-NY15	10.2	93	48	35	25	33	58	8	M4	5	27	2	7.5	6.25	16.5	136	319	Pull 0~3	W/hose nipple
4.0	2.6			GT-NY15R																		Push 0~3	Hose I.D. ϕ 2.5mm
4.0	2.6			GT-NY15-4																		Pull 0~3	W/tube fitting
4.0	2.6			GT-NY15R-4																		Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
5.0	3.4			GT-NY25	12.5	108.5	54.5	40	30	42	69	9	M5	2	31	2.5	10.5	7	20.5	184	580	Pull 0~5	W/hose nipple
5.0	3.4			GT-NY25R																		Push 0~5	Hose I.D. ϕ 4mm
5.0	3.4			GT-NY25-6																		Pull 0~5	W/tube fitting
5.0	3.4			GT-NY25R-6																		Push 0~5	Hose I.D. ϕ 4XO.D. ϕ 6mm

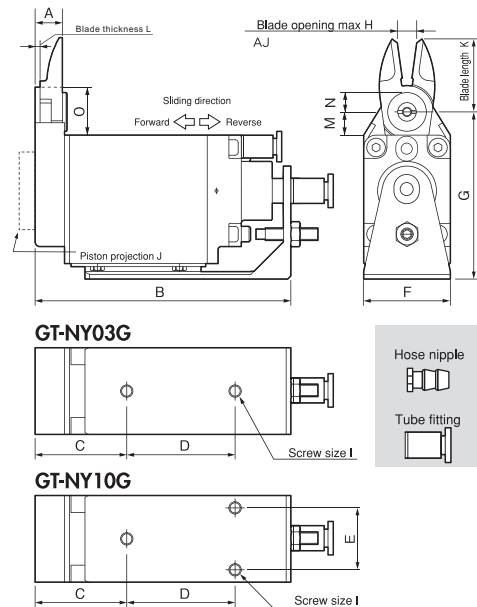
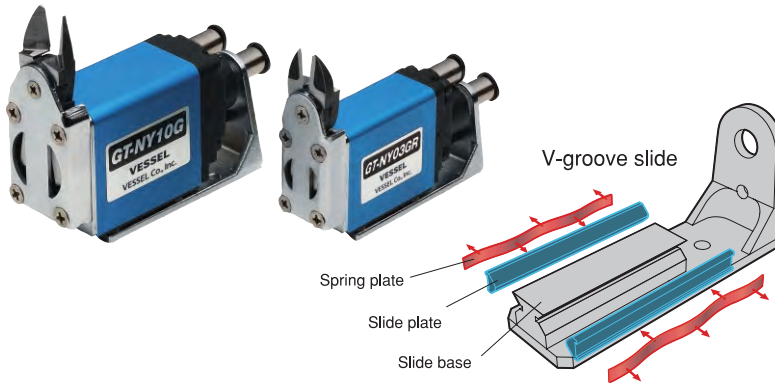
※Blade length (K) and opening max. (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure...0.4~0.5 MPa (NY25 type: 0.5~0.6)

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

GT-NY03G/10G Slide-Off Air Nippers Horizontal-Type

Patented

NY-G



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

Capacity ϕ (mm)				Model No.	Size (mm)															Air Consumption (cm ³ /str.)	Weight (g)	Slide Direction/ Distance (mm)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
2.0	1.3			GT-NY03G	8.6	74.5	29.5	30	-	19	46.5	3	M4	0	21	1.6	7.5	5.25	14.5	37	160	Pull 0~3	W/hose nipple
2.0	1.3			GT-NY03GR																		Push 0~3	Hose I.D. ϕ 2.5mm
2.0	1.3			GT-NY03G-4																		Pull 0~3	W/tube fitting
2.0	1.3			GT-NY03GR-4																		Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm
3.5	2.3			GT-NY10G	8.8	82.6	29.6	35	20	28	54	6	M4	5	24	1.6	7.5	6.25	15.5	68	275	Pull 0~3	W/hose nipple
3.5	2.3			GT-NY10GR																		Push 0~3	Hose I.D. ϕ 2.5mm
3.5	2.3			GT-NY10G-4																		Pull 0~3	W/tube fitting
3.5	2.3			GT-NY10GR-4																		Push 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm

※Blade length (K) and opening max. (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure...0.4~0.5 MPa

Blade is optional. Note that forward and backward-facing blades are available

CRG

144

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

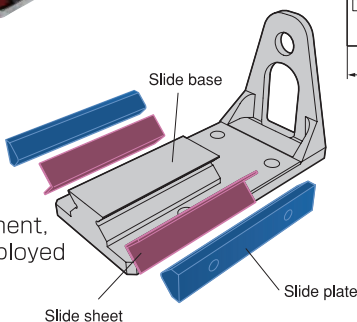
Air Nipper

Vacuum Module

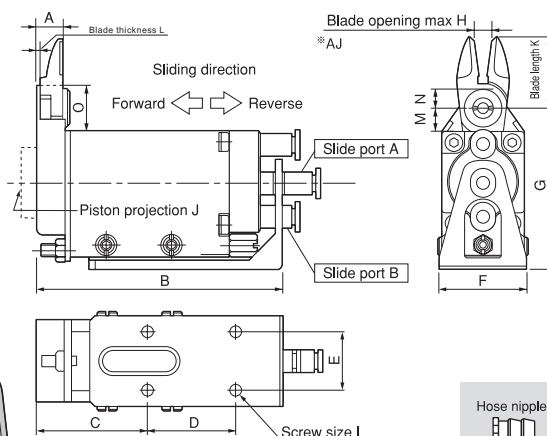
Accessory Components

GT-NY10S/25S Double Action Sliding Air Nippers

NY-S



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



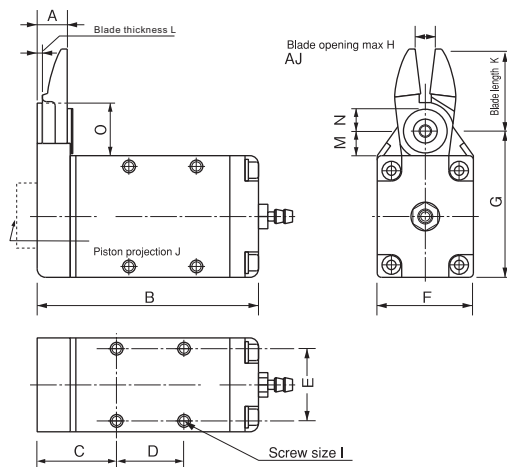
WARNING
Injecting air into slide port A slides the nippers in reverse.
Injecting air into slide port B slides the nippers forward.

Capacity ϕ (mm) Soft Plastic Hard Plastic	Model No.	Size (mm)															Air Consumption (cm ³ /str.)	Weight (g)	Slide Direction/ Distance (mm)	Spec. & Size of the Hose Port
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
3.5 2.3	GT-NY10S	8.8	84.5	38	30	20	32	55	6	M4	5	24	1.6	7.5	6.25	15.5	68	300	0~3.5	W/tube fitting Hose I.D. ϕ 2.5×O.D. ϕ 4mm
5.0 3.4	GT-NY25S	12.5	106.5	47	40	30	47	72	9	M5	2	31	2.5	10.5	7	20.5	184	695	0~5.0	W/tube fitting Hose I.D. ϕ 4×O.D. ϕ 6mm

※Blade length (K) and opening max. (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure...NY10S : 0.4~0.5 MPa / NY25S : 0.5~0.6 MPa

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

NF



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

Capacity ϕ (mm) Soft Plastic Hard Plastic Copper Steel	Model No.	Size (mm)															Air Consumption (cm ³ /str.)	Weight (g)	Spec. & Size of the Hose Port
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O			
3.0 2.0 1.6 1.0	GT-NF05	8.6	59.9	21.9	17	18	23	39.5	4	M3	3	22	1.6	8.4	6.25	16.4	43	101	W/hose nipple
3.5 2.3 1.7 1.1	GT-NF10	8.8	65.1	23.1	20	22	28	43.5	6	M3.5	5	24	1.6	7.4	6.25	15.4	63	143	Hose I.D. ϕ 2.5mm× ϕ 4mm
4.0 2.6 1.8 1.2	GT-NF15	10.2	73	25	25	26	33	48.5	8	M4	5	27	2	7.4	6.25	16.4	128	219	

※Blade opening max. (K) is the dimension adjusted for standard blade (AJ type). Mounting screw for NF10 (M3.5) is regarded as spare part. ※Air Pressure...0.4~0.5 MPa

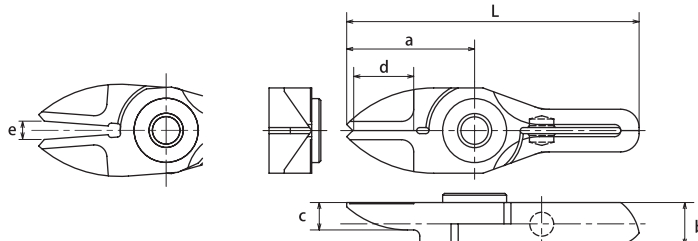
Slide-off air nipper horizontal-type blades

AJ/RAJ AJB

Straight blades for plastic

AJ/ This is a vertical set of blades with an unbeveled cutting edge. You can apply it at a right angle to the gate. RAJ/ This is a reverse bevel of AJ type. AJB/ This has a brazed carbide tip, suitable for cutting hard plastic or plastic containing glass fiber.

Plastic



Model No.	Size (mm)						Weight (g)	Material	Application model
NY03AJ	21	7	4.5	10.5	3	48	17	Special alloy steel	GT-NY03G(-4)
NY03RAJ	21	7	4.5	10.5	3	48	17	Special alloy steel	GT-NY03GR(-4)
NY05AJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05(-4) / NF05
NY05RAJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05R(-4) / NF05
NY05AJB	22	7	5	10.5	4	53	22	Sintered Alloy	GT-NY05(-4) / NF05
NY10AJ	24	7.2	5	12	6	57	28	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY10RAJ	24	7.2	5	12	6	57	28	Special alloy steel	GT-NY10R(-4) / NY 10GR(-4) / NF10 / NY10S
NY10AJB	24	7.2	5	12	6	57	28	Sintered Alloy	GT-NY10(-4) / NY 10GR(-4) / NF10 / NY10S
NY15AJ	27	8.2	5.5	13	8	65	41	Special alloy steel	GT-NY15(-4) / NF15
NY15RAJ	27	8.2	5.5	13	8	65	41	Special alloy steel	GT-NY15R(-4) / NF15
NY15AJB	27	8.2	5.5	13	8	65	41	Sintered Alloy	GT-NY15(-4) / NF15
NY25AJ	31	10	6	16	9	77	65	Special alloy steel	GT-NY25(-6) / NY 25S
NY25RAJ	31	10	6	16	9	77	65	Special alloy steel	GT-NY25R(-6) / NY 25S
NY25AJB	31	10	6	16	9	77	65	Sintered Alloy	GT-NY25(-6) / NY 25S

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

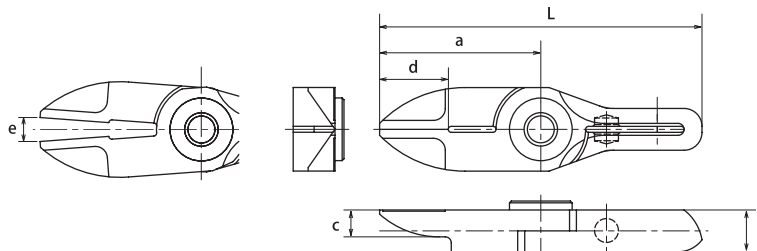
Accessory Components

AJL

Straight long blades for plastic

AJL/ This is a long type set of straight blades. This is useful when there is distance between the nippers and the gate cut portion of the workpiece.

Plastic



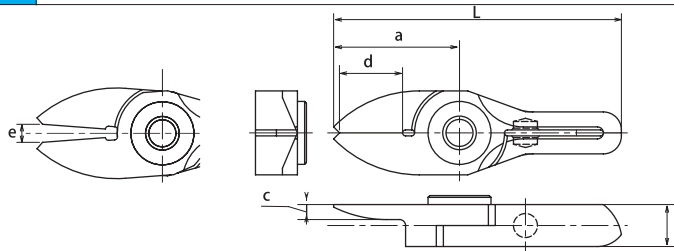
Model No.	Size (mm)						Weight (g)	Material	Application model
NY03AJL	27	7	4.5	10.5	4	54	21	Special alloy steel	GT-NY03G(-4)
NY05AJL	31	7	5	10.5	5.5	62	29	Special alloy steel	GT-NY05(-4) / NF05
NY10AJL	33	7.2	5	12	8	66	37	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AJL	38	8.2	5.5	13	11	76	50	Special alloy steel	GT-NY15(-4) / NF15
NY25AJL	46	10	6	16	13	92	88	Special alloy steel	GT-NY25(-6) / NY 25S

AJT

Thin, straight blades for plastic

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

Plastic



Model No.	Size (mm)						Weight (g)	Material	Application model
NY03AJT	21	7	2.5	10.5	3	48	17	Special alloy steel	GT-NY03G(-4)
NY05AJT	22	7	3	10.5	4	53	21	Special alloy steel	GT-NY05(-4) / NF05
NY10AJT	24	7.2	3	12	6	57	26	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AJT	27	8.2	3.5	13	8	65	38	Special alloy steel	GT-NY15(-4) / NF15

Slide-off air nipper horizontal-type blades

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

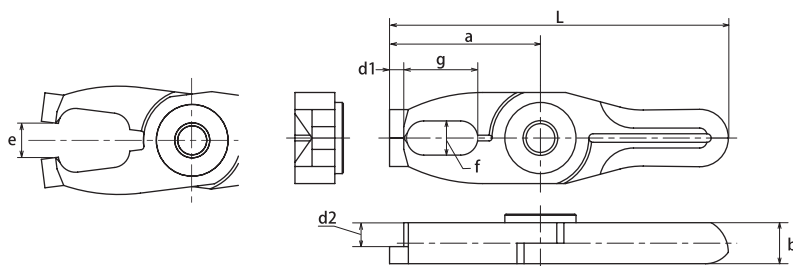
Accessory Components

AD

Lift blades for plastic

Plastic

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



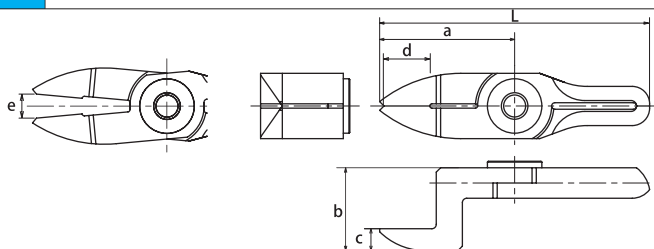
Model No.	Size (mm)			d1 (mm)	d2 (mm)	e (mm)	L (mm)	Weight (g)	Material	Application model
NY10AD	26.5	7.2	6×13	2.5	4.2	6	59.5	31	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AD	30	8.2	7×14	3	4.7	8	68	45	Special alloy steel	GT-NY15(-4) / NF15
NY25AD	35	10	8×17	4	6	9	81	75	Special alloy steel	GT-NY25(-6) / NY 25S

**AH/
RAH**

Crank blades for plastic

Plastic

AH/ This is a set of blades with a clamped cutting edge for plastic. It is effective when there are obstructions or the gate is narrow. RAH/ This is a reverse bevel of AH type used when installing the main units face-to-face.



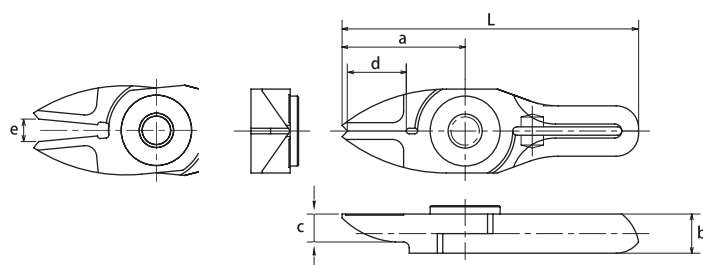
Model No.	Size (mm)				e (mm)	L (mm)	Weight (g)	Material	Application model
NY05AH	31	19	5	10.5	5.5	62	37	Special alloy steel	GT-NY05(-4) / NF05
NY05RAH	30	12	5	10.5	5	61	31	Special alloy steel	GT-NY05R(-4) / NF05
NY10AH	33	20	5	12	8	66	43	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AH	38	21.5	5.5	13	11	76	63	Special alloy steel	GT-NY15(-4) / NF15
NY15RAH	35	13.2	5.5	13	9	73	52	Special alloy steel	GT-NY15R(-4) / NF15
NY25AH	46	24	6	17	13	92	110	Special alloy steel	GT-NY25(-6) / NY 25S
NY25RAH	42	16	6	16	12	88	89	Special alloy steel	GT-NY25R(-6) / NY 25S

**BJ/
RBJ**

Straight thin blades for metal

Metal

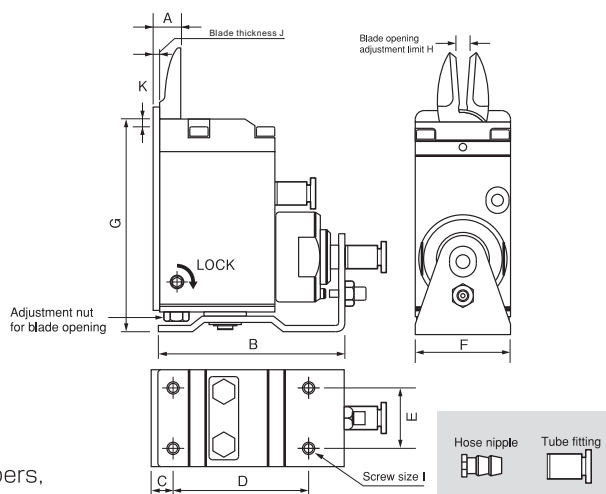
BJ/ This is a set of vertical blades with an unbeveled cutting edge for metal. RBJ/ This is a reverse bevel of BJ type.



Model No.	Size (mm)				e (mm)	L (mm)	Weight (g)	Material	Application model
NY05BJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05(-4) / NF05
NY05RBJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05R(-4) / NF05

GT-NT03/05/10/20 Slide-Off Air Nippers Vertical-type

NT



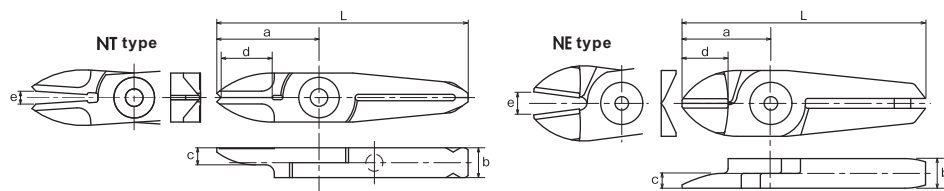
Blade gape is adjustable,
and fine adjustments are easy to make after mounting the nippers,
ensuring clean, unblemished cut surfaces.

Capacity ϕ (mm) Soft Plastic Hard Plastic	Model No.	Size (mm)											Air Consumption (cm ³ /str)	Weight (g)	Slide Direction/ Distance (mm)	Spec. & Size of the Hose Port
		A	B	C	D	E	F	G	H	I	J	K				
1.5 1.0	GT-NT03												27	178	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
1.5 1.0	GT-NT03R	9	62	7	43	14	19	68.1	1.5~3	M3	2	5	27	178	Push 0~3	
1.5 1.0	GT-NT03-4												27	178	Pull 0~3	
1.5 1.0	GT-NT03R-4												27	178	Push 0~3	
2.5 1.5	GT-NT05												47	325	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm W/tube fitting Hose I.D. ϕ 2.5XO.D. ϕ 4mm
2.5 1.5	GT-NT05R	9	64	7	45	20	32	71.1	3~6	M4	2	5	47	325	Push 0~3	
2.5 1.5	GT-NT05-4												47	325	Pull 0~3	
2.5 1.5	GT-NT05R-4												47	325	Push 0~3	
3.5 2.3	GT-NT10												82	515	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm
3.5 2.3	GT-NT10R	11	73	8	53	24	38	88.1	4~7	M4	2	5	82	515	Push 0~3	
3.5 2.3	GT-NT10-6												82	515	Pull 0~3	
3.5 2.3	GT-NT10R-6												82	515	Push 0~3	
5.0 3.4	GT-NT20												203	930	Pull 0~8	W/hose nipple Hose I.D. ϕ 4mm W/tube fitting Hose I.D. ϕ 4XO.D. ϕ 6mm
5.0 3.4	GT-NT20R	14	103	10	80	28	44	102.1	4.5~9	M5	2	6	203	930	Push 0~8	
5.0 3.4	GT-NT20-6												203	930	Pull 0~8	
5.0 3.4	GT-NT20R-6												203	930	Push 0~8	

※Blade opening adjustment limit (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure...0.4~0.5 MPa

Slide-off air nipper vertical-type blades

	Straight blades for plastic	Plastic
AJ/AJH AJB	AJ/ This is a set of vertical blades with an unbeveled cutting edge. You can apply it at a right angle to the gate. AJH/ This has a brazed high-speed steel tip suitable for cutting hard plastic. AJB/ This has a brazed carbide tip used for cutting hard plastic or plastic containing glass fiber. Improved durability.	



Model No.	a	b	c	d	e	L	Weight (g)	Material	Application model
NT03AJ	24	7	4	11	3	59	20	Special alloy steel	GT-NT03 type
NT05AJ	29	7	5	15	6	65	30	Special alloy steel	
NT05AJH	29	7	5	15	6	65	30	High Speed Steel	GT-NT05 type
NT05AJB	29	7	5	15	6	65	30	Sintered Alloy	
NE5AJ	24	7	3.5	12	6	60	35	Special alloy steel	GT-NT10 type
NT10AJ	35	9	6	17	7	82	62	Special alloy steel	
NT10AJH	35	9	6	17	7	82	76	High Speed Steel	GT-NT20 type
NT10AJB	35	9	6	17	7	82	76	Sintered Alloy	
NE10AJ	27	9	4.5	12	7	74	70	Special alloy steel	GT-NT20 type
NT20AJ	40	12	6	20	9	97	120	Special alloy steel	
NT20AJH	40	12	6	20	9	97	120	High Speed Steel	GT-NT20 type
NT20AJB	40	12	6	20	9	97	120	Sintered Alloy	

Slide-off air nipper vertical-type blades

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

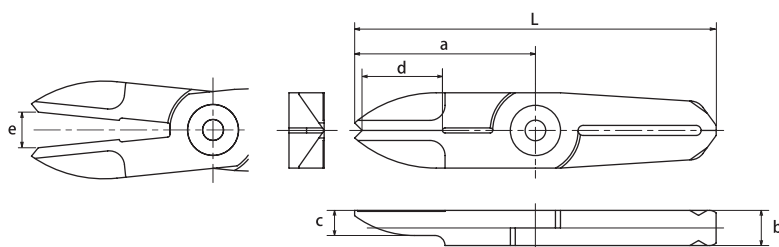
Accessory Components

AJL

Straight long blades for plastic

AJL/ This is a long type set of straight blades. This is useful when there is distance between the nippers and the gate cut portion of the workpiece.

Plastic



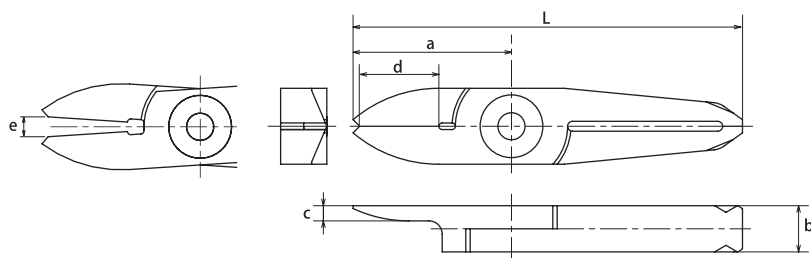
Model No.	a	b	Size (mm)			e	L	Weight (g)	Material	Application model
NT05AJL	36	7	5	15	7	72	39	39	Special alloy steel	GT-NT05 type
NT10AJL	47	9	6	17	9	94	62	62	Special alloy steel	GT-NT10 type
NT20AJL	57	12	6	20	12	114	156	156	Special alloy steel	GT-NT20 type

AJT

Thin, straight blades for plastic

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

Plastic



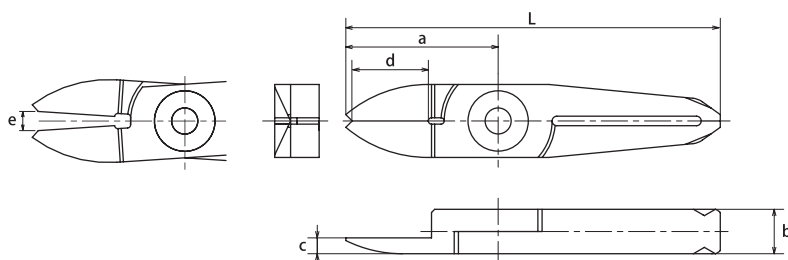
Model No.	a	b	Size (mm)			e	L	Weight (g)	Material	Application model
NT03AJT	24	7	2.3	11	3	59	19	19	Special alloy steel	GT-NT03 type
NT05AJT	29	7	3	15	6	65	29	29	Special alloy steel	GT-NT05 type
NT10AJT	35	9	4	17	7	82	65	65	Special alloy steel	GT-NT10 type

AJY

Thin, straight blades for plastic

AJY/ This is effective when the width between the opposing gates is too short and the thickness of the blades will not go in.

Plastic



Model No.	a	b	Size (mm)			e	L	Weight (g)	Material	Application model
NT03AJY	24	7	2.5	11	3	59	19	19	Special alloy steel	GT-NT03 type
NT05AJY	29	7	5	15	6	65	29	29	Special alloy steel	GT-NT05 type
NT10AJY	35	9	4	17	7	72	82	82	Special alloy steel	GT-NT10 type

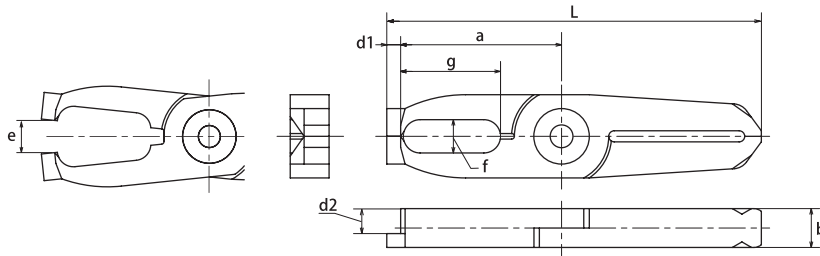
Slide-off air nipper vertical-type blades

AD

Lift blades for plastic

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

Plastic



Model No.	a	Size (mm) b	f×g	d1 (mm)	d2 (mm)	e (mm)	L (mm)	Weight (g)	Material	Application model
NT05AD	31.5	7	6×18	2.5	4.5	6	67.5	37	Special alloy steel	GT-NT05 type
NT10AD	39	9	8×21.5	4	5	7	86	65	Special alloy steel	GT-NT10 type
NT20AD	46	12	9×24.5	6	7	9	103	141	Special alloy steel	GT-NT20 type

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

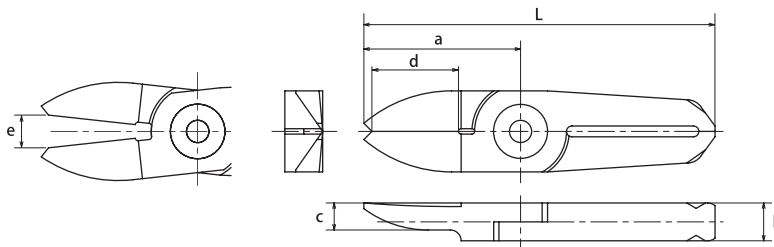
Accessory Components

AJV

V shaped straight blades for plastic

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

Plastic



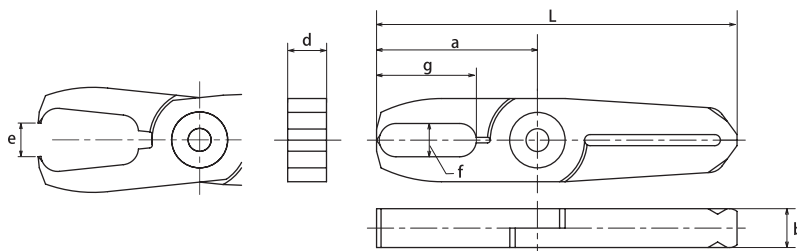
Model No.	a	b	Size (mm) c	d	e	L	Weight (g)	Material	Application model
NT05AJV	29	7	5	15	6	65	29	Special alloy steel	GT-NT05 type
NT10AJV	35	9	6	17	7	82	63	Special alloy steel	GT-NT10 type

AE

Nipping blades for plastic

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

Plastic

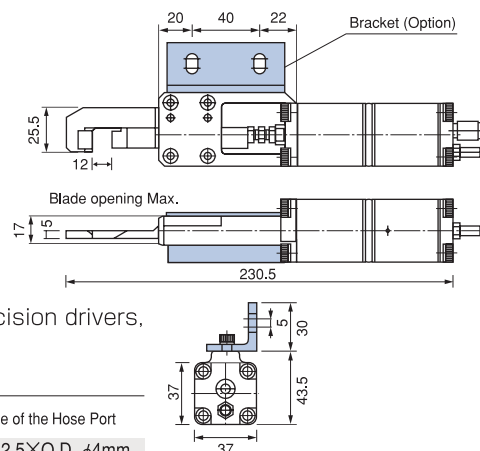
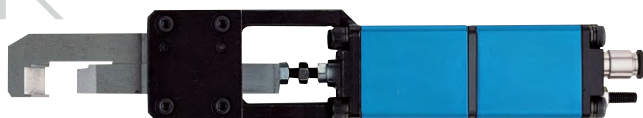


Model No.	a	b	Size (mm) f×g	d	e	L	Weight (g)	Material	Application model
NT05AE	29	7	6×18	7	6	65	36	Special alloy steel	GT-NT05 type
NT10AE	35	9	8×21.5	9	7	82	75	Special alloy steel	GT-NT10 type

Thrust-Cut Air Nipper

GT-NK10 Thrust-Cut Air Nipper

NK



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

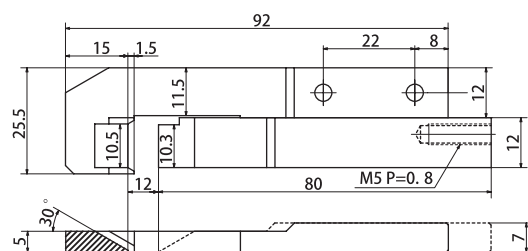
Capacity ϕ (mm) ABS Plastic	Model No.	Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Applied Pressure (N)	Spec. & Size of the Hose Port
5	GT-NK10	110	0.4~0.5	800	735	Hose I.D. ϕ 2.5×O.D. ϕ 4mm

•Hose Coupling: I.D. ϕ 4 × O.D. ϕ 6 mm •Piston stroke...Max.12 mm

Thrust-Cut Air Nipper blades

NK10AJ	Thrust-Cut Air Nipper blades	Plastic

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



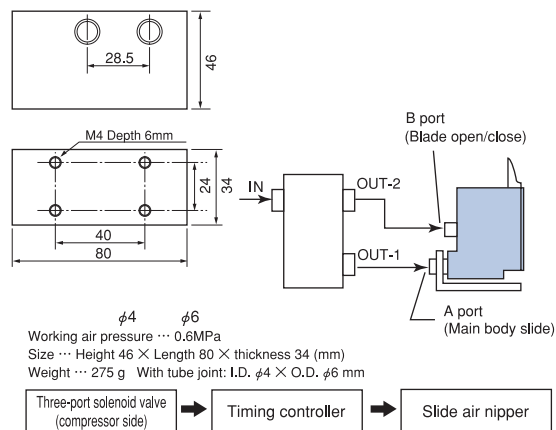
Model No.	Size (mm)	Shape	O.A.L. (mm)	Weight (g)	Material	Application model
NK10AJ	As above	For metal cutting (Knife type)	95	96	Special alloy steel	GT-NK10

Related items

GT-TC-02 Timing Controller

TC

Adjusting Screw
(0.5~1.5 sec.)



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

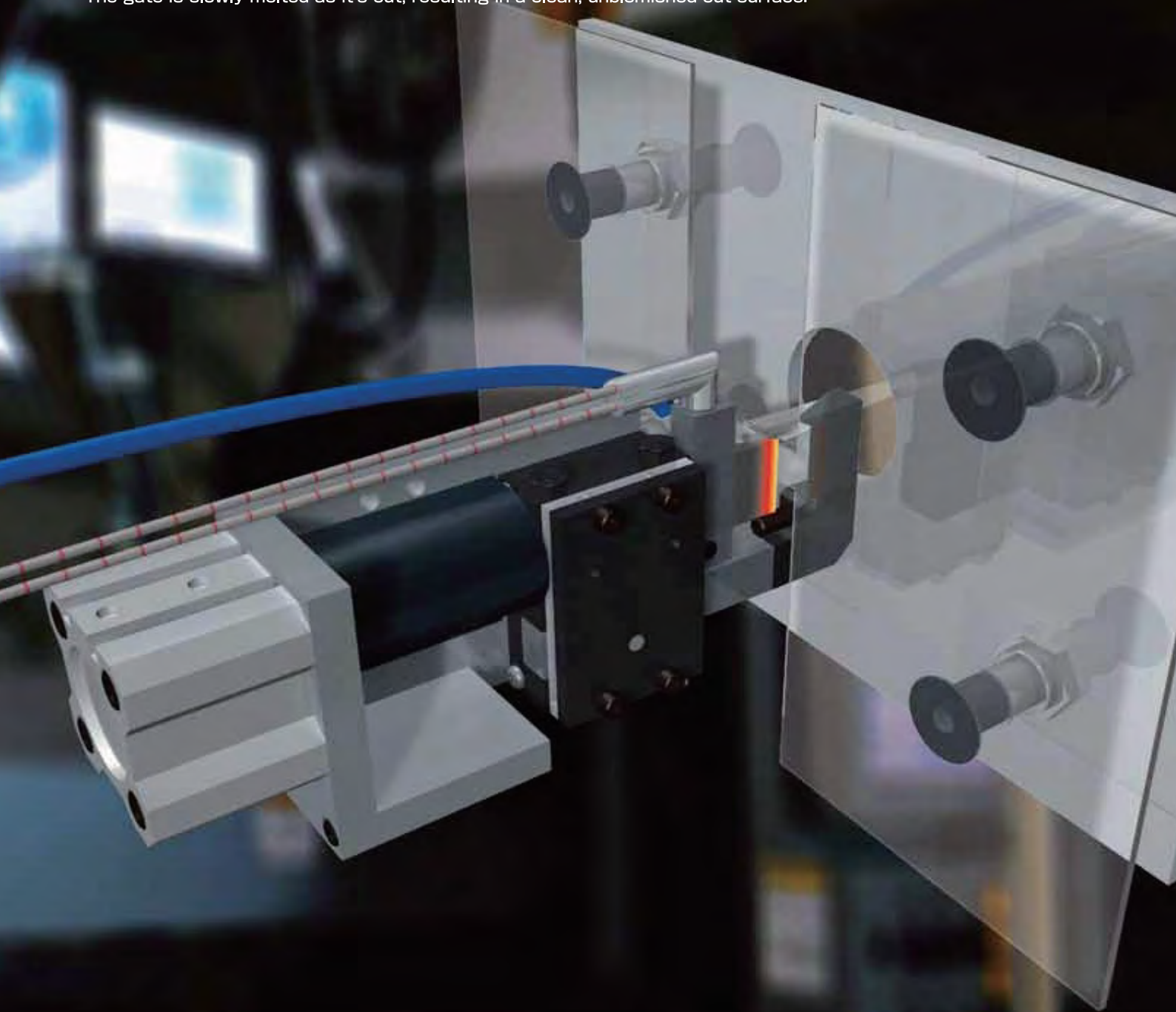
Connectable nippers (Reference)

No. GT-	NY05	NY10	NY15	NY25	NT03	NT05	NT10	NT20	NB20	NB30	NB20LW	NB30LW
Connectable unit	4	3	1	1	6	4	2	1	2	1	2	1

(pcs)

Heat Air Nippers

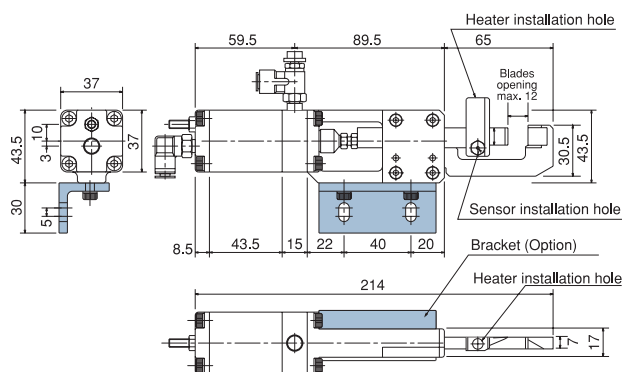
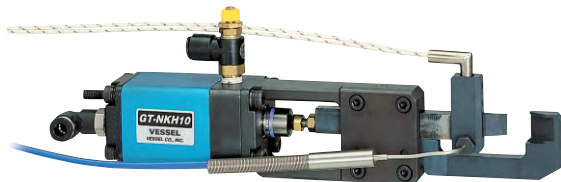
These air nippers are connected to a heater to suppress cracks and whitening of clear materials such as acrylic. The gate is slowly melted as it's cut, resulting in a clean, unblemished cut surface.



GT-NKH10 Heat Air Nippers

NKH

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



Model No.	Cutting Capacity φ (mm) Acril	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Air Consumption (cm³/str.)	Piston Stroke (mm)	Weight (g)
GT-NKH10	7x1.5	200	4~5	73	12	715

•Included heater: 80W/120V Cord length: 300mm
 •Included temperature sensor: Thermal couple type K (Nickel-Chromium/Nickel-Aluminum) Cord length: 1,000mm
 •Air Pressure: 0.5~0.6MPa

Option Parts

•Temperature controller (DTC-001)

Blades Specifications

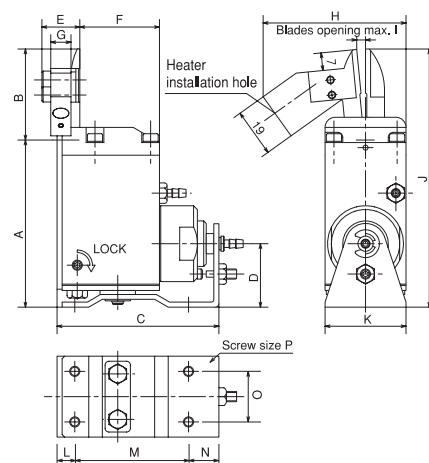
Model No.	Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
NKH10AJ/NKH10RAJ	Special Alloy Steel	Knife type (resin)	12	10	137

Heat Air Nippers

GT-NTH05/10 Heat Air Nippers (Vertical sliding type)

NTH

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



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

•Included heater: 80W/120V Cord length: 300mm
 •Included temperature sensor : Thermal couple type K (Nickel-Chromium/Nickel-Aluminum) Cord length: 1,000mm
 •Air Pressure: 0.4~0.5MPa

Blades Specifications

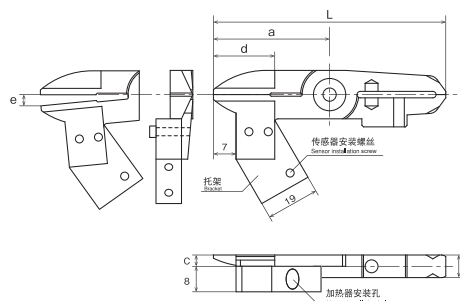
Model No.	Material	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
NTH05AJ	Special Alloy Steel	36	7	3.5	15	3.5
NTH10AJ	Special Alloy Steel	47	9	4.7	17	4.5

Model No.	L (mm)	Weight (g)	Cutting Capacity φ (mm) Acril	Setting temp. (MAX °C)	Application model
NTH05AJ	72	40	2.5	200	GT-NT05(-4)/GT-NT05R(-4)
NTH10AJ	94	88	3.5	300	GT-NT10(-6)/GT-NT10R(-6)

HTH type blade weight does not include heater and sensor.

Option Parts

•Temperature controller (DTC-001)

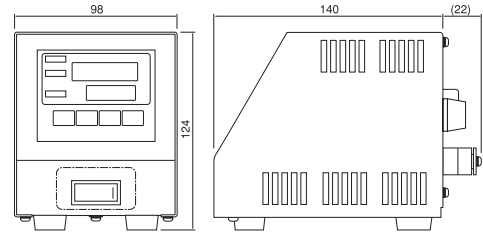


Temperature Controller

DTC-001 Benchtop Temperature Controller

DTC

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



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

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

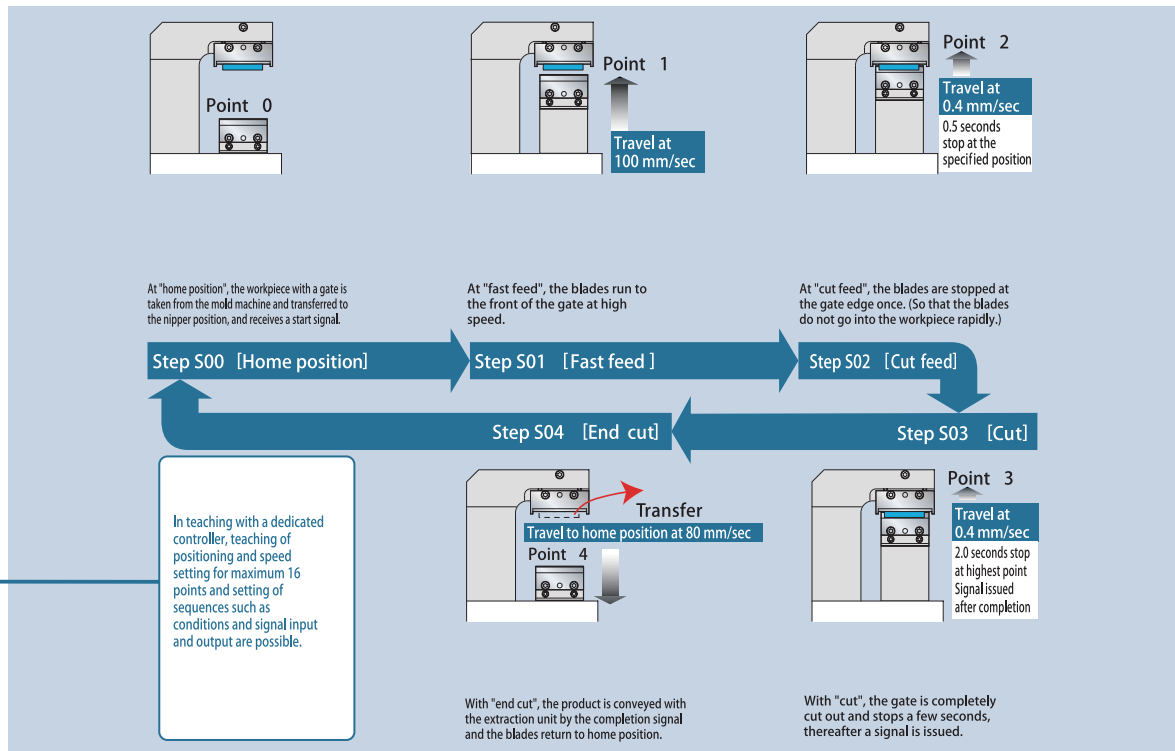
※Please ensure the input voltage in prior to operation as it is directly connected to the heater.

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

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

Special Controller (optionally available)

Practical example of gate-cut



Practical example of input data

	Teaching content	Home position	Fast feed	Cut feed	Cut	End cut
Point data	Point No.	0	1	2	3	4
	Positioning (*)	Home position	Leaving 7 mm	Leaving 0.5 mm	Maximum	value
	Speed setting	-	100 mm/sec	0.4 mm/sec	0.4 mm/sec	80 mm/sec
	Pushing force setting	-	-	-	-	-
	Acceleration setting	-	-	-	-	-
Sequencer data	Step No.	S00	S01	S02	S03	S04
	Waiting for positioning to complete	-	-	-	-	-
	Waiting for external input conditions	-	-	-	-	-
	Delay timer	-	-	0.5sec	2.0sec	-
	Specified external output	-	-	-	ON	-

(*) Input of positioning is actually done with a numerical value.

Air Nippers For Cutting and Crimping

A tough body for hard jobs.

With a frame diameter range of 23mm to 75mm, this product line was developed by piston size. These models are ideal for a broad spectrum of cutting and crimping work.



Air Nippers

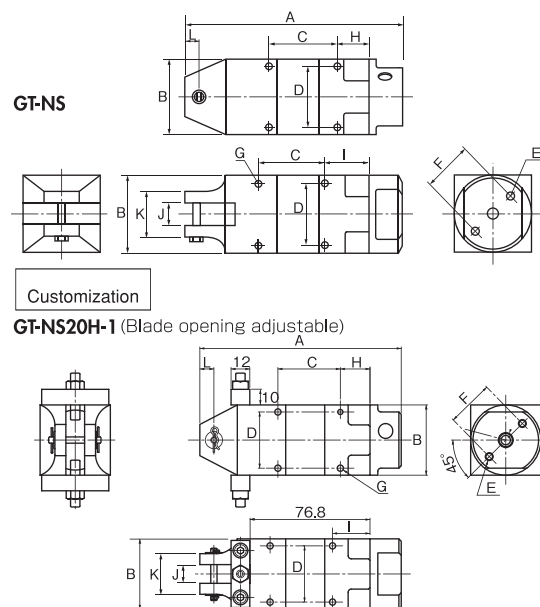
GT-NS3/5/7/10L/20/30 Square Air Nippers

NS

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



- The main body end is 180° rotatable.
- Two suction (intake) ports are provided, and so the suction position can be optionally changed depending on the mounting place.



Capacity ϕ (mm)				Model No.	Size (mm)												Air Consumption (cm³/str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D	E	F	G	H	I	J	K	L				
2.0		1.0	0.5	GT-NS3	110	23	40	19	M3 Depth8	17	M3 Depth3.5	19	24	7	23	7	45	0.4~0.5	95	Rc1/8
2.0		1.0	0.5	GT-NS5	94	30	30	24	M4 Depth10	20	M3 Depth5	14	19	7	23	7	64	0.4~0.5	135	
3.0	2.0	1.6	1.0	GT-NS7	113	36	30	28	M4 Depth10	24	M4 Depth5.5	18	23	9	23	7	116	0.4~0.5	215	
4.0	2.6	1.8	1.2	GT-NS10L	113	36	30	28	M4 Depth10	24	M4 Depth5.5	18	23	12	26	7	116	0.4~0.6	215	
7.0	5.0	2.6	2.0	GT-NS20	129	45	40	36	M5 Depth12	30	M4 Depth7	19	24	12	26	9	230	0.5~0.6	370	
10.0	6.5	3.3	2.8	GT-NS30	170	56	60	46	M6 Depth12	40	M5 Depth10	20	30	17	36	15	584	0.5~0.6	685	
7.0	5.0	2.6	2.0	GT-NS20H-1	129	45	40	36	M5 Depth12	30	M4 Depth7	19	24	12	26	9	230	0.5~0.6	455	

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

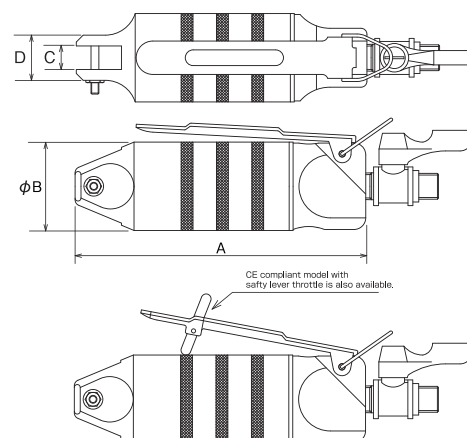
※ Before mounting of exclusive/automatic machines, check the following product dimensions. (Frame O.D., screw dia. (screw to screw) dimensions, etc.)

※ Model GT-NS50 is a special order item. Please contact VESSEL for details.

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

N

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



- N20, N30, 50
- N20, N30 and N50 have the air cock.

Capacity φ (mm)			Model No.	Size (mm)				Air Consumption (cm³/str.)	Air Pressure (MPa)	Weight (g)	Body	Hose coupling
Soft Plastic	Hard Plastic	Copper		A	B	C	D					
2.0		1.0	0.5	GT-N3	112	23	7	14	45	0.4~0.5	95	Rc1/8
2.0		1.0	0.5	GT-N5	103	30	7	17	64	0.4~0.5	135	Rc1/8
3.0	2.0	1.6	1.0	GT-N7	123	34	9	17	116	0.4~0.5	180	Rc1/4
4.0	2.6	1.8	1.2	GT-N10	132	34	9	17	116	0.4~0.5	185	Rc1/4
4.5	4.0	2.3	1.7	GT-N12	142	36	12	20	116	0.5~0.6	210	Rc1/4
7.0	5.0	2.6	2.0	GT-N20	156	45	12	23	230	0.5~0.6	375	Rc1/4
10.0	6.5	3.3	2.8	GT-N30	193	56	17	30	584	0.5~0.6	625	Rc1/4
		5.5	4.5	GT-N50	237	75	25.2	43	1,170	0.5~0.6	1,220	Rc1/4

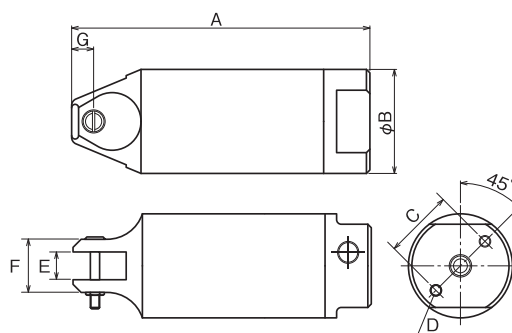
• Hose coupling: R 1/4 • Air hose inner dia. : 5mm • Overall length: Accessories, Hunger not included. • Weight: Accessories not included.

Blade is c Blade is optional.

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

NR

The Nr20 body contains the installation scale of two sides.



- The main body end is 180° rotatable.
- Two suction (intake) ports are provided, the suction position can be optionally changed depending on the mounting plate.

Soft Plastic	Hard Plastic	Copper	Steel	Model No.	Size (mm)							Air Consumption (cm³/str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
					A	B	C	D	E	F	G				
2.0		1.0	0.5	GT-NR3	110	23	17	M3 Depth8	7	14	7	45	0.4~0.5	70	Rc1/8
2.0		1.0	0.5	GT-NR5	94	30	20	M4 Depth10	7	17	7	64	0.4~0.5	110	
3.0	2.0	1.6	1.0	GT-NR7	113	34	22	M4 Depth10	9	17	7	116	0.4~0.5	150	
4.0	2.6	1.8	1.2	GT-NR10L	113	36	24	M4 Depth10	12	20	7	116	0.4~0.6	215	
7.0	5.0	2.6	2.0	GT-NR20	129	45	30	M5 Depth12	12	23	9.5	230	0.5~0.6	280	
10.0	6.5	3.3	2.8	GT-NR30	165	56	40	M6 Depth12	17	30	10.5	584	0.5~0.6	505	
12.0	6.5	5.5	4.5	GT-NR50	222	75	50	M8 Depth12	25.2	43	15	1,170	0.5~0.6	1,190	

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

*Before mounting of exclusive/automatic machines, check the following product dimensions.
(Frame O.D., screw dia. (screw to screw) dimensions, etc.)

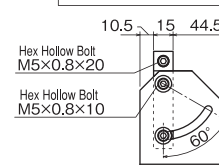
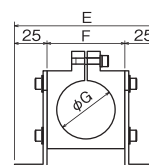
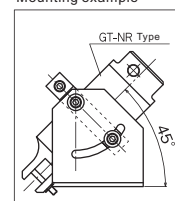
GT-NR

GT-NR10LST/20ST/30ST/50ST Stand

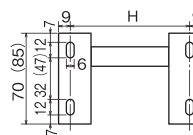
Stands for installing air nippers.
The angle is easily adjustable.



Mounting example



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



Figures in () are for the
NR50ST

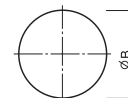
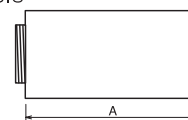
P-10L/20/30/50 Powerful Intensifiers (With Extra pressure Booster)

P

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



P-20



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

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

Blade is optional.

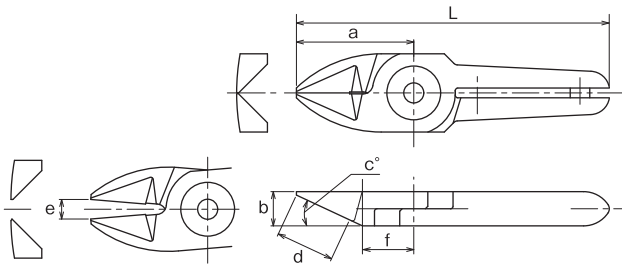
Air nipper standard blades for metal

AS/HS

Standard

AS/ Standard type. This is a general set of blades used for cutting copper wire and steel wire. HS/ Improved durability with brazed high-speed steel.

Metal



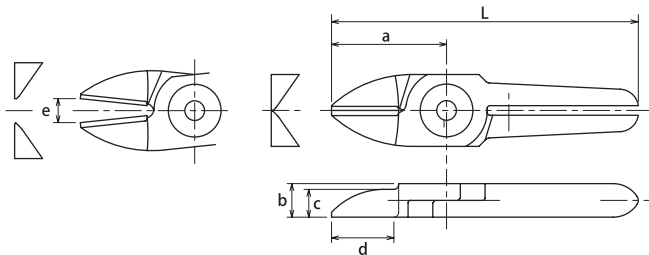
Model No.	a	b	c(°)	Size (mm) d	e	f	L	Weight (g)	Material	Application model
N3AS	24	7	25	12	4	10.5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N3HS	24	7	25	12	4	10.5	64	35	High Speed Steel	GT-N3 / NS3 / NR3
N5AS	24	7	25	12	4	10.5	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N5HS	24	7	25	12	4	10.5	64	40	High Speed Steel	GT-N5 / NS5 / NR5
N7AS	27	9	30	13.5	4	12.5	81	80	Special alloy steel	GT-N7 / NS7 / NR7
N7HS	27	9	30	13.5	4	12.5	81	80	High Speed Steel	GT-N7 / NS7 / NR7
N10AS	27	9	30	13.5	5	12.5	91	85	Special alloy steel	GT-N10
N10HS	27	9	30	13.5	5	12.5	91	85	High Speed Steel	GT-N10
N10LAS	35	12	30	20	5	15	89	120	Special alloy steel	GT-NS10L / NR10L
N12AS	35	12	30	20	5	15	105	135	Special alloy steel	GT-N12
N12HS	35	12	30	20	5	15	105	135	High Speed Steel	GT-N12
N20AS	35	12	30	20	9	15	95	140	Special alloy steel	GT-NS20 / NR20 / N20
N30AS	43	17	30	25	9	18	127	370	Special alloy steel	GT-NS30 / NR30 / N30

BJ

Straight blades for metals

BJ/ This is a set of vertical blades with an unbeveled cutting edge for metal.

Metal



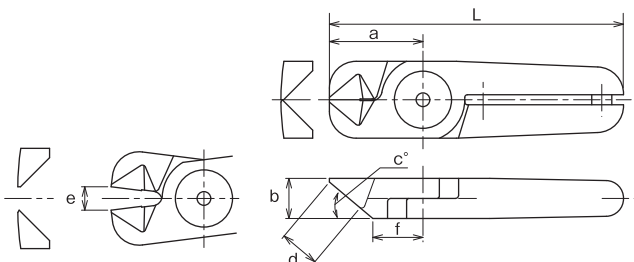
Model No.	a	b	c	Size (mm) d	e	L	Weight (g)	Material	Application model
NW1BJ	20	5	3	10.5	3.5	50	16	Special alloy steel	GT-NWR1 / NWS1
N3BJ	24	7	5.8	13	5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N5BJ	24	7	5.8	13	4	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N7BJ	27	9	7.5	13	5	81	75	Special alloy steel	GT-N7 / NS7 / NR7
NW10BJ	30	9	6	14	5	85	76	Special alloy steel	GT-NWR10 / NWS10
NW20BJ	40	12	6	21.5	8	100	142	Special alloy steel	GT-NWR20 / NWS20
NW30BJ	55	17	8	29.5	11	140	367	Special alloy steel	GT-NWR30 / NWS30

AG

Powerful cutting blades

AG/ This is a set of blades with increased strength with a shorter cutting edge than the standard type. Increases the pressure because it cuts at the base of the blades.

Metal



Model No.	a	b	c(°)	Size (mm) d	e	f	L	Weight (g)	Material	Application model
N20AG	28	12	40	12	7	15	88	135	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20HS	26	12	40	10	7	13.5	86	135	High Speed Steel	GT-NS20 / NR20 / N20 / NB20

Air nipper standard blades for metal

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

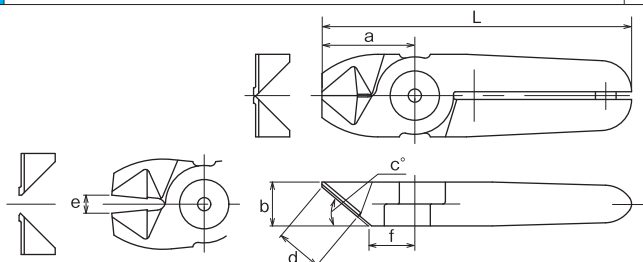
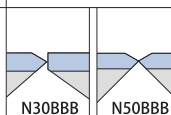
Accessory Components

BBB

Powerful cutting blades with carbide tips

BBB/ With carbide tips suitable for cutting hard wire such as high steel wire and piano wire.

Metal



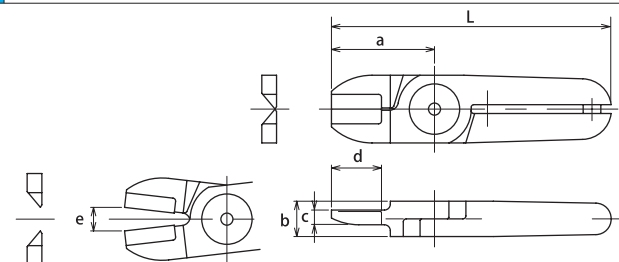
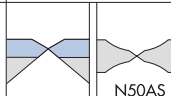
Model No.	a	b	c (°)	Size (mm) d	e	f	L	Weight (g)	Material	Application model
N30BBB	36	17	40	18	7	18	120	365	Sintered Alloy	GT-NS30 / NR30 / N30 / NB30
N50BBB	46	25	35	19	9	24	166	955	Sintered Alloy	GT-NR50 / N50

BFB/AS

Clipper blade with carbide tips

BFB/ The shape is clipper type. With carbide tips, suitable for metal wire and thin pipe. AS/ Standard clipper type blades. cutting

Metal



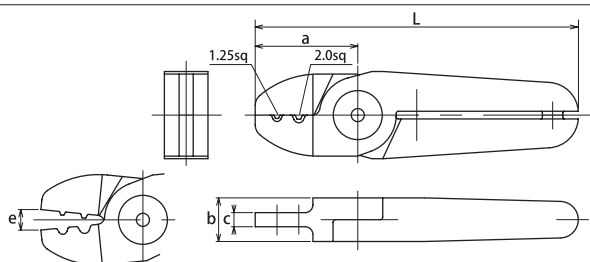
Model No.	a	b	c	Size (mm) d	e	L	Weight (g)	Material	Application model
N20BFB	35	12	5	17	8	95	150	Sintered Alloy	GT-NS20 / NR20 / N20 / NB20
N50AS	60	25	10	30	11	180	950	Special alloy steel	GT-NR50 / N50

ACD

Crimp edge for solderless terminals

ACD/ This is a set of blades for crimping solderless terminals. (Bare terminal 1.25 sq/2.0 sq)

Metal



Model No.	a	b	Size (mm) c	d	e	L	Weight (g)	Material	Application model
N30ACD	40	17	5.5		8	126	335	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

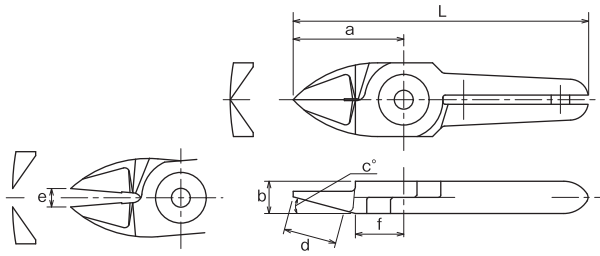
Air nipper standard blades for plastic

AP

For plastic

AP/ This is a standard set of blades used to cut plastic. A broad, gentle curve is provided in the cross section for gate processing where the cut end must not be left. (The cutting edge is curved.)

Plastic



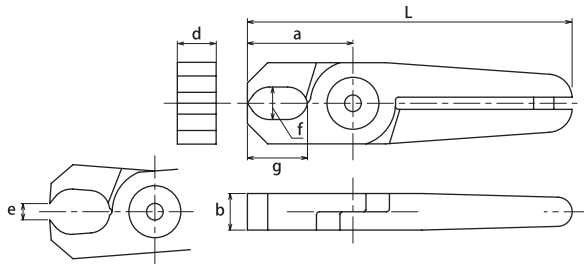
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c (°)	d	e	f	L			
N3AP	24	7	15	11.5	4	10.5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N5AP	24	7	15	11.5	4	10.5	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N7AP	27	9	30	11.5	4	14.5	81	80	Special alloy steel	GT-N7 / NS7 / NR7
N10AP	27	9	30	11.5	5	14.5	91	85	Special alloy steel	GT-N10
N10LAP	35	12	15	16	5	15	89	120	Special alloy steel	GT-NS10L / NR10L
N12AP	35	12	15	16	5	15	105	135	Special alloy steel	GT-N12
N20AP	35	12	15	16	11	15	95	125	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AP	66	17	15	38	16	24	150	380	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

AE

Nipping blades for plastic

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

Plastic



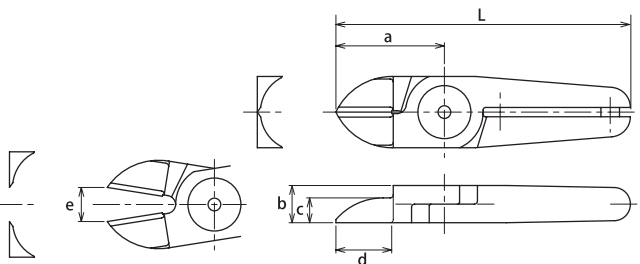
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	f×g	d	e	L			
N3AE	20	7	6×11	7	3.5	60	35	Special alloy steel	GT-N3 / NS3 / NR3
N5AE	20	7	6×6.6	7	3.5	60	40	Special alloy steel	GT-N5 / NS5 / NR5
N7AE	26	9	8×14.8	9	4	80	85	Special alloy steel	GT-N7 / NS7 / NR7
N20AE	28	12	10×15.5	12	8	88	135	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AE	45	17	13×28	17	12	129	395	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

AJ

Thin, straight blades for plastic

AJ/ This is a set of vertical blades with an unbeveled cutting edge for plastic. You can apply it at a right angle to the gate.

Plastic



Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
NW10AJ	30	9	6	14	5	85	76	Special alloy steel	GT-NWR10 / NWS10
N20AJ	35	12	8	18	11	95	125	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20AJB	35	12	8	18	11	95	125	Sintered Alloy	GT-NS20 / NR20 / N20 / NB20
NW20AJ	40	12	6	21.5	8	100	142	Special alloy steel	GT-NWR20 / NWS20
N30AJ	52	17	8	28	11	136	370	Special alloy steel	GT-NS30 / NR30 / N30 / NB30
NW30AJ	55	17	8	29.5	11	140	368	Special alloy steel	GT-NWR30 / NWS30

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Air nipper standard/quasi-standard blades for plastic

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

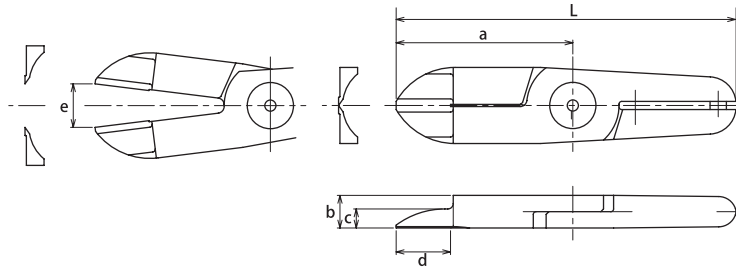
Accessory Components

AJL/ Quasi- standard products

Straight long blades for plastic

AJL/ This is a long type set of straight blades. This is suitable when there is distance between the nippers and the gate cut portion of the workpiece. N30AJL163 is useful for wide gate processing

Plastic



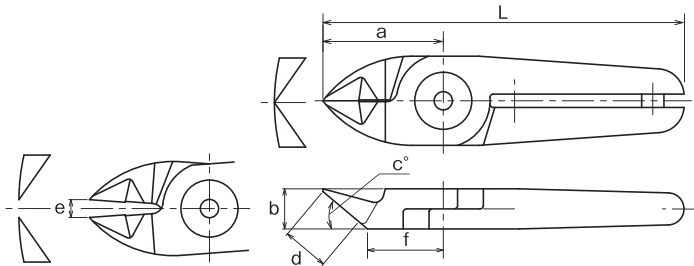
Model No.	Size (mm)						Weight (g)	Material	Application model
N10LAJ141	61	12	7	34	10	115	165	Special alloy steel	GT-NS10L / NR10L
N20AJL	65	12	7	20	16	125	230	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20AB39	61	12	7	36	14	121	185	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AJ163	65	17	7	41	17.5	149	355	Special alloy steel	GT-NS30 / NR30 / N30 / NB30
N30AJL	75	17	8	25	19	159	470	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

PF

Flat blades for plastic

PF/ This is a set of blades for cutting the cut end flat for plastic. A large R is provided in the cross section for gate processing where the cut end must not be left.

Plastic



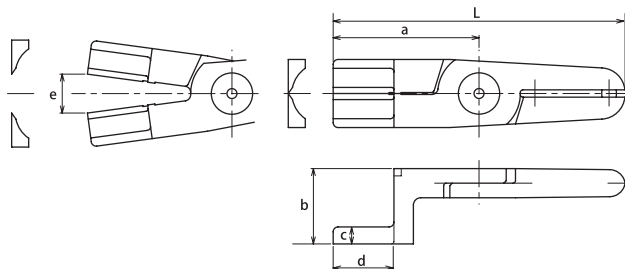
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c (°)	d	e	f	L			
N7PF	27	9	40	10.5	4	17	81	80	Special alloy steel	GT-N7 / NS7 / NR7
N10LPF	35	12	40	13.5	5	21	89	120	Special alloy steel	GT-NS10L / NR10L
N20PF	35	12	40	13.5	11	21	95	130	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30PF	58	17	30	25	15	33	142	390	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

AH

Crank blades for plastic

AH/ This is a set of blades with a crank cutting edge for plastic. It is effective when there are obstructions or the gate is narrow.

Plastic



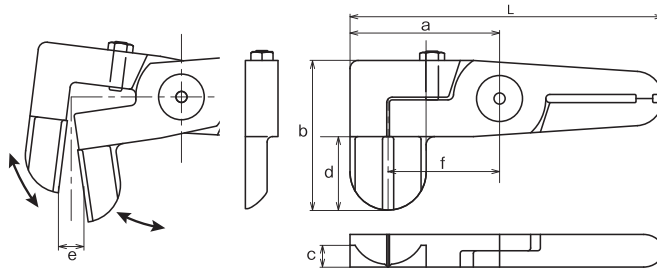
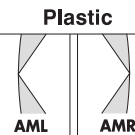
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
N20AH	60	31	7	23	16	120	240	Special alloy steel	GT-NS20 / NR20 / N20 / NB20

Air nipper standard/quasi-standard blades for plastic

AMR/ AML

Laterally facing blades for plastics

AMR/AML This is a set of blades for plastic where the ML cutting edge is bent 90 degrees. It is useful when restricted to confined spaces hard for the nipper to get into.



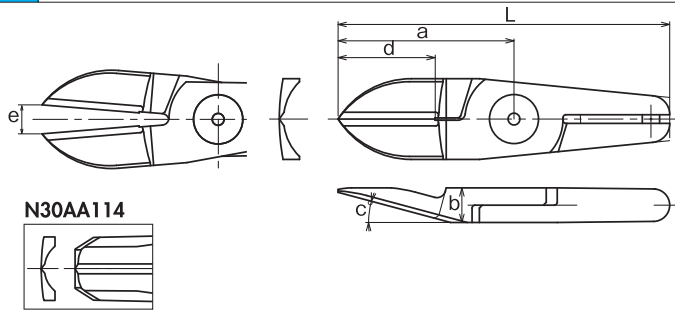
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c	d	e	f	L			
N20AML1498	55	55	8	26	9.5	41	115	270	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20AMR1499	55	55	8	26	9.5	41	115	270	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AML1435	55	68	10	35	13	39	139	520	Special alloy steel	GT-NS30 / NR30 / N30 / NB30
N30AMR1395	55	68	10	35	13	39	139	520	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

Quasi-standard products

R blades for plastic

A large R is provided in the cross section for gate processing where the cut end must not be left. An angled blade can be selected in accordance with the installation angle of the main unit.

Plastic



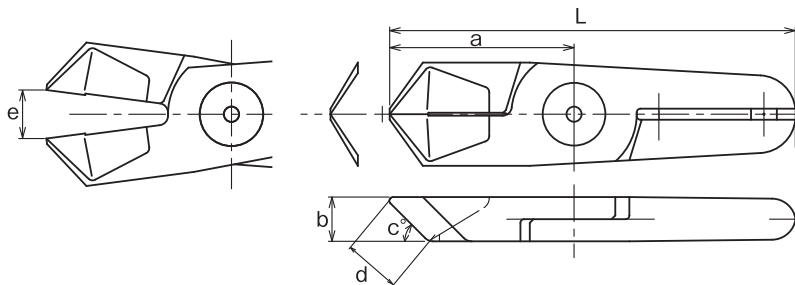
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c (°)	d	e	L			
N10LAB152	61	12	15	35	10	115	165	Special alloy steel	GT-NS10 /NR10L
N20AA27	45	12	23	25	12	105	145	Special alloy steel	GT-NS20 / NR20 /N20 /NB20
N20AA239	52.3	12	40	27	14	112.3	195	Special alloy steel	GT-NS20 / NR20 /N20 /NB20
N20AB360	61	12	15	35	16	121	185	Special alloy steel	GT-NS20 / NR20 /N20 /NB20
N30AA114	76.3	17	30	50	20	160.3	385	Special alloy steel	GT-NS30 / NR30 /N30 /NB30

Quasi-standard products

Angled nipping blades for plastic

AE/ Used for processing plastic gates such as ride gates, discard gates. The cutting edge is angled so that the main unit can set up diagonally.

Plastic



Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c (°)	d	e	L			
N20AE19	50	12	45	13	13	110	200	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AE53	65	17	65	18.5	16	149	440	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

Profile / SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Air nipper quasi-standard blades for plastic

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

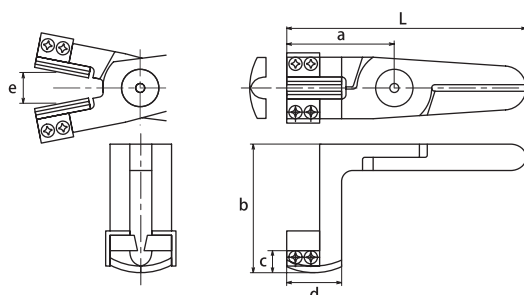
Accessory Components

Quasi-standard products

Comes with sprue chuck function①

Mainly in gate processing for direct gates, the sprue is caught with urethane rubber. A large R is provided in the cross section for gate processing where the cut end must not be left.

Plastic



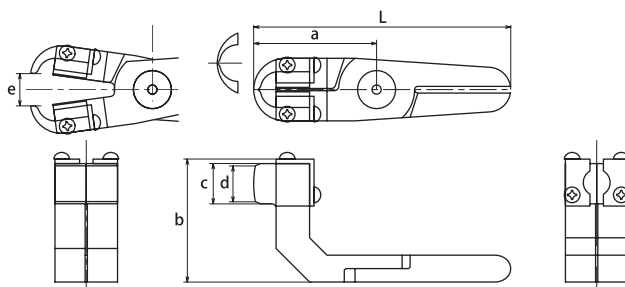
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
N20AH533	49	58.5	10	25	14	109	280	Special alloy steel	GT-N20 / NS20 / NR20

Quasi-standard products

Comes with sprue chuck function②

Mainly in gate processing for direct gates, the sprue is caught with urethane rubber. A large R is provided in the cross section for gate processing where the cut end must not be left.

Plastic



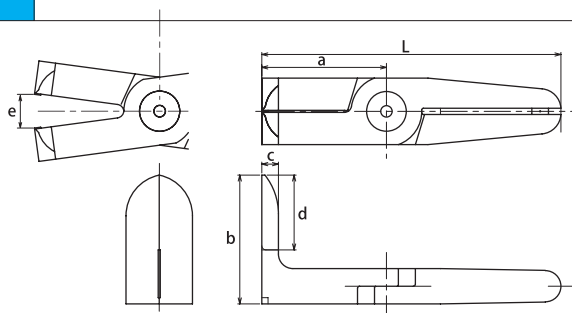
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
N20AH152	55	53	18	16	15	115	330	Special alloy steel	GT-N20 / NS20 / NR20

Quasi-standard products

L blades for sprue cut

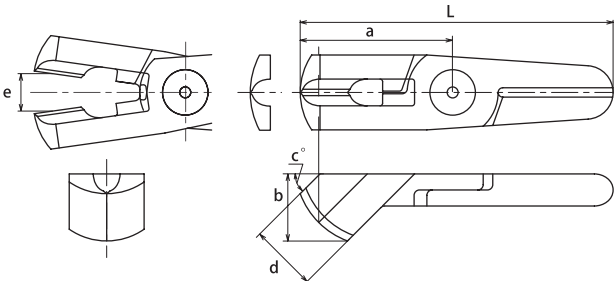
This is an angled long type straight set of blades with a 90-degree angle. Ideal for direct gate cut.

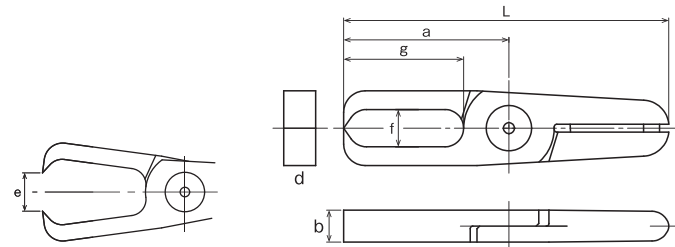
Plastic



Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
N30AL525	60	62	8	36	16	144	520	Special alloy steel	GT-N30 / NS30 / NR30 / NB30

Air nipper quasi-standard blades for plastic

Quasi-standard products	Nipping blades for sprue cut						Plastic					
	This is the perfect spherical set of cutting blades for sprue cut. The blades can be inserted precisely in narrow areas that have ribs around them and the finish is very clean.											
												
Model No.	a	b	Size (mm)			c (°)	d	e	L	Weight (g)	Material	Application model
N20AK249	57	25	45	25	14	117	240	Special alloy steel	GT-N20 / NS20 / NR20 / NB20			

Quasi-standard products	nipping blades for plastic						Plastic				
	AE/ Used for processing plastic gates such as ride gates, discard gates.										
											
Model No.	a	b	Size (mm)		f x g	d	e	L	Weight (g)	Material	Application model
N20AE1205	62	12	14	45	12	16.5	122	202	Special alloy steel	GT-NS20 / NR20 / N20 / NB20	

Air Nipper Troubleshooting

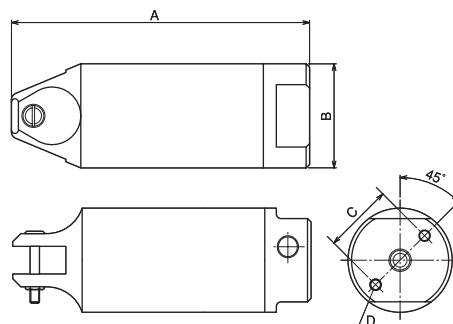
Inspection items when a malfunction occurs during use

Symptoms	Causes	Treatment
1. Blades or slide not working properly.	Air is not being supplied	Supply air
	The hose is twisted	Extend the hose
	Low air pressure	Air pressure adjustment
	Corrosion, wear, or contamination of sliding part of the blades	Lubrication/disassembly adjustment
	Sliding parts burned by heat (heat nipper)	Component replacement
	Broken blade spring	Component replacement
	Broken return spring	Component replacement
	Broken blades	Replace blades
2. Air leakage	Wear of the cutting unit/rivet	Replace blades
	Valve malfunction/wear, damage (O-rings, ball valves, etc.)	Component replacement
	Packing is broken	Component replacement

Air nippers

NR20-P/NR30-P Air Nipper Round-Type without Lever

NR



- The main body end is 180° rotatable.
- Two suction (intake) ports are provided, the suction position can be optionally changed depending on the mounting plate.

Soft Plastic	Hard Plastic	Copper	Steel	PN	Model No.	Size (mm)				Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
7.0	5.0	2.6	2.0	8.Y00113	NR20-P	A	B	C	D	230	0.5~0.6	280	Rc1/8
10.0	6.5	3.3	2.8	8.Y00237	NR30-P	129	45	30	M5 Depth12	584	0.5~0.6	505	

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

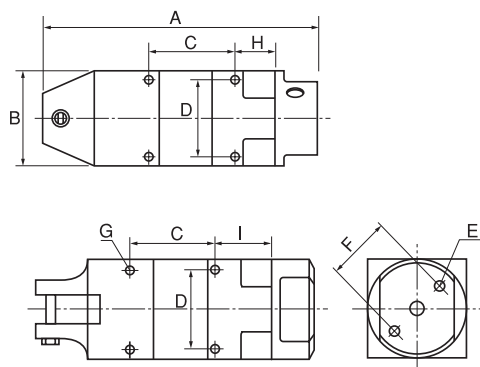
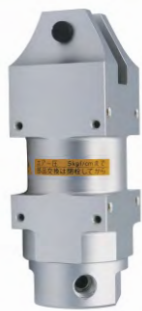
※ Before mounting of exclusive/automatic machines, check the following product dimensions. (Frame O.D., screw dia. (screw to screw) dimensions, etc.)

Air Nippers

NS20-P/NS30-P Square Air Nippers

NS

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



- The main body end is 180° rotatable.
- Two suction (intake) ports are provided, and so the suction position can be optionally changed depending on the mounting place.

Capacity φ (mm)	PN	Model No.	Size (mm)										Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
Soft Plastic Hard Plastic Copper Steel			A	B	C	D	E	F	G	H	I	J				Rc1/8
7.0 5.0 2.6 2.0	8.Y00079	NS20-P	129	45	40	36	M5Depth12	30	M4Depth7	19	24		230	0.5~0.6	370	
10.0 6.5 3.3 2.8	8.Y00080	NS30-P	170	56	60	46	M6Depth12	40	M5Depth10	20	30		584	0.5~0.6	685	

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

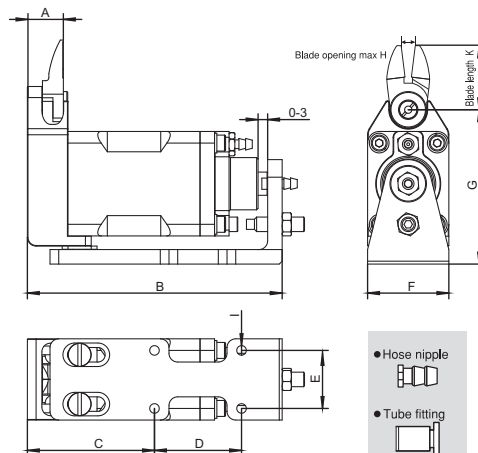
※ Before mounting of exclusive/automatic machines, check the following product dimensions. (Frame O.D., screw dia. (screw to screw) dimensions, etc.)

※ Model GT-NS50 is a special order item. Please contact VESSEL for details.

Air nippers

NY10 -P/NY15-P Slide-Off Air Nippers Horizontal-Type

NY



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

Capacity ϕ (mm)				PN	Model No.	Size (mm)										Air Consumption (cm ³ /str.)	Weight (g)	Slide Direction/ Distance (mm)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic	Copper	Steel			A	B	C	D	E	F	G	H	I					
3.5	2.3			8.Y00270	NY10-P	12.4	87.8	43.8	30	20	28	53.2	4	M4		48	155	Pull 0~3	W/tube fitting
4.0	2.6			8.Y00249	NY15-P	13.2	96.5	45.5	35	25	33	58	6	M4		48	155	Pull 0~3	Hose I.D. ϕ 2.5XO.D. ϕ 4mm

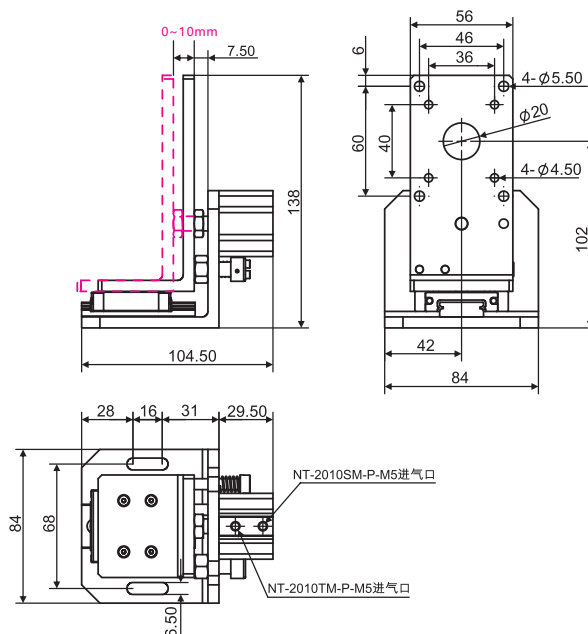
※Blade length (K) and opening max. (H) is the dimension adjusted for standard blade (AJ type). ※Air Pressure...0.4~0.5 MPa
※B refers to the distance from the cut position for PUSH style models, and the distance from the start position for PULL style models.

Slide-Off Air Nipper Bracket-Type

NT



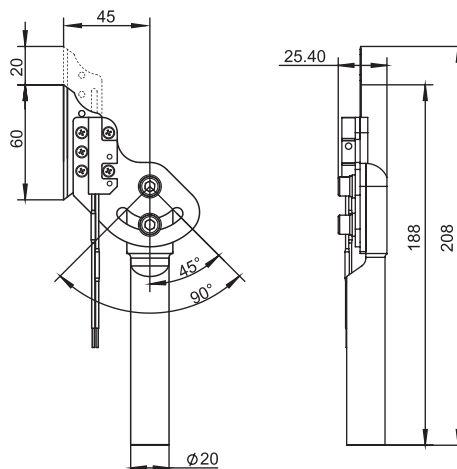
It has achieved smooth, continuous slide movement even for large diameter gate cuts, which produce a large shock at each cut.



PN	8.Y00006	8.Y00003
Model	NT-2010TM-P	NT-2010SM-P
	pull by compressed air	push by compressed air

Heating cutter

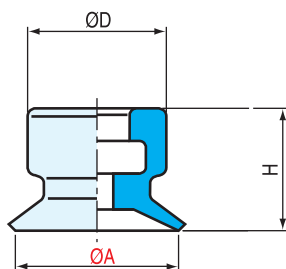
Remove sprue, deburr and trim.



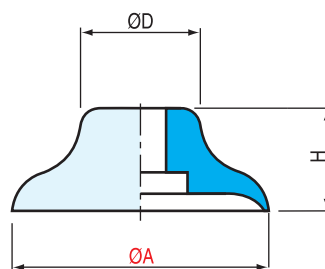
PN	Model	Weight
8.Y00346	GT-BH2060	180g

Vacuum Cups VS-PG Series

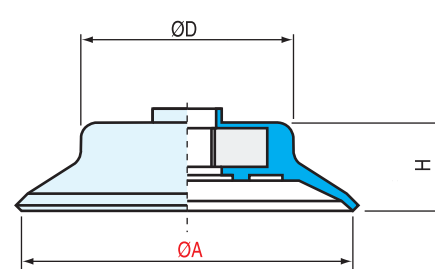
VS-PG2...VS-PG10



VS-PG15...VS-PG50



VS-PG60...VS-PG80



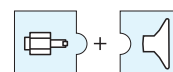
	 (N) ⁽¹⁾	 (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	STN	SI	NBR
VS-PG2	0.5	0.1	2	4	4	-	1.Y03289	1.Y09807
VS-PG3.5	0.7	0.2	3.5	4	4	-	1.Y03290	1.Y09808
VS-PG5	0.9	0.3	5	6.5	7.5	-	1.Y03291	1.Y09809
VS-PG6	1.0	0.4	6	6.5	7.5	1.Y05881	1.Y03292	1.Y09810
VS-PG8	1.1	0.5	8	7	8	1.Y05882	1.Y03293	1.Y09811
VS-PG10	1.6	0.8	10	7.5	8.7	1.Y05883	1.Y03294	1.Y09812
VS-PG15	3.7	1.8	15	8	12	1.Y05884	1.Y03301	1.Y09813
VS-PG20	6.1	3.0	20	10	15	1.Y05885	1.Y03295	1.Y09814
VS-PG25	9.4	4.7	25	14	16	1.Y05886	1.Y03296	1.Y09815
VS-PG30	15.9	7.9	30	12	15	1.Y05887	1.Y03297	1.Y09816
VS-PG35	23.1	11.6	35	14	20.5	-	1.Y03298	1.Y09817
VS-PG40	26.7	13.4	40	14	23.5	1.Y05889	1.Y03299	1.Y09818
VS-PG50	38.3	19.1	50	15	29	1.Y05890	1.Y03300	1.Y09819
VS-PG60	57.8	28.9	60	16	38	1.Y05891	1.Y03302	1.Y09820
VS-PG80	101.1	50.6	80	18	53	1.Y05892	1.Y03303	1.Y09821

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

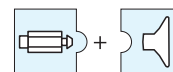


Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



Removable fitting:
(adapter and hollow screw)

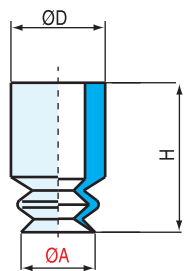


 Vacuum Cup Fitting	 Vacuum Cups
VM14-M5	VS-PG2~VS-PG3.5
VM13-M5	VS-PG5~VS-PG10
VM11-M5	VS-PG15~VS-PG20
VM-G18M-M5F+VM22-M5	VS-PG25~VS-PG40
VM28-M8+VM-G18M-M8F	VS-PG50
VM28-M8+VM-G14M-M8F	
VM-G14M-M10M	
	VS-PG60~VS-PG80

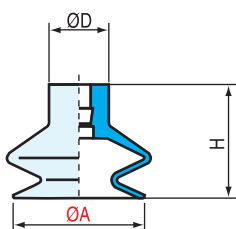
Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent
STN: Siton®	60	+	++	-	++	0 to 160	Blue
NBR: Nitrile	60	+	+	-	++	0 to 80	Black

Vacuum Cups VS2 Series

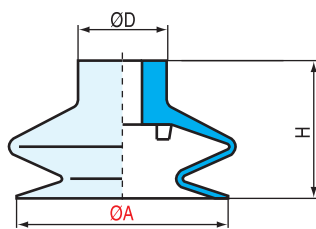
VS2-SA5



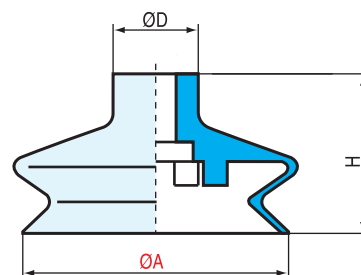
VS2-SA11...VS2-SA25



VS2-SA26...VS2-SA43



VS2-SA53...VS2-SA63



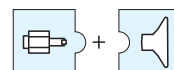
	 (N) ⁽¹⁾	 (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	STN	SIT5	NBR
VS2-SA5	0.5	0.2	5.5	11	7	1.Y05308	1.Y05178	1.Y09822
VS2-SA11	1.7	0.9	11	16	10	1.Y04899	1.Y03085	1.Y09823
VS2-SA14	2.5	1.3	13	16	10	1.Y05309	1.Y03311	1.Y09824
VS2-SA16	2.7	1.3	16	19	10	1.Y04659	1.Y03086	1.Y09825
VS2-SA18	4.4	2.2	18	16.5	10	1.Y05315	1.Y05317	1.Y09826
VS2-SA20	5.6	2.8	19	16	10	1.Y05310	1.Y03088	1.Y09827
VS2-SA22	6.1	3.1	22	19	10	1.Y04658	1.Y03312	1.Y09828
VS2-SA25	7.9	4.0	24	23	10	1.Y04657	1.Y03089	1.Y09829
VS2-SA33	13.9	6.9	33	27.5	18	1.Y04656	1.Y03090	1.Y09830
VS2-SA43	20.2	10.1	43	28	18	1.Y04655	1.Y04636	1.Y09831
VS2-SA53	42.6	21.3	53	34	18	1.Y04654	1.Y03313	1.Y09832
VS2-SA63	59.2	29.6	63	34	18	1.Y04653	1.Y04637	1.Y09833

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

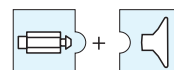


Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



Removable fitting:
(adapter and hollow screw)

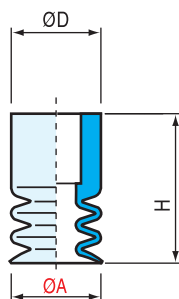


 Vacuum Cup Fitting	 Vacuum Cups
VM21-M5	VS2-SA5
VM18-M5 VM02-G18	VS2-SA11~VS2-SA25
VM08-M8 + VM-G18M-M8F VM08-M8 + VM-G14M-M8F VM04-G14 VM24-G18	VS2-SA33~VS2-SA63

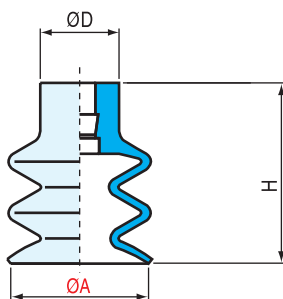
Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
STN: Viton®	60	+	++	-	++	0 to 160	Blue
SIT5: Translucent Silicone	50	+++	-	+++	-	-40 to 220	Translucent
NBR: Nitrile	60	+	+	-	++	0 to 80	Black

Vacuum Cups VS3 Series

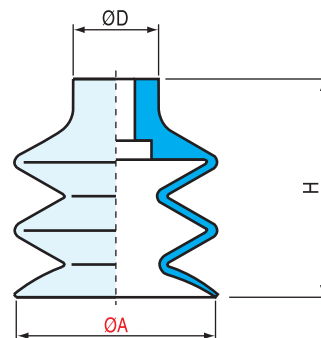
VS3-S5...VS3-S9



VS3-S12...VS3-S25



VS3-S26...VS3-S62

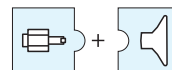


	 (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	STN	SIT5	NBR
VS3-S5	0.5	5	13.5	7	1.Y05304	1.Y05297	1.Y09834
VS3-S7	0.9	7	13.5	9	1.Y05286	1.Y05636	1.Y09836
VS3-S9	1.1	9	15	9	1.Y05634	1.Y05299	1.Y09837
VS3-S12	2.8	12	21	10	1.Y05630	1.Y05300	1.Y09838
VS3-S14	3.0	14	23	10	1.Y05635	1.Y05301	1.Y09839
VS3-S18	4.4	17.5	23	10	1.Y05305	1.Y05302	1.Y09840
VS3-S20	4.6	20	23	10	1.Y05287	1.Y03314	1.Y09841
VS3-S25	6.5	25	34	10	1.Y05288	1.Y03315	1.Y09842
VS3-S32	12.1	32	37.5	18	1.Y05289	1.Y03316	1.Y09843
VS3-S42	20.9	42	46	18	1.Y05290	1.Y03317	1.Y09844
VS3-S52	28.9	52	49	18	1.Y05291	1.Y03318	1.Y09845
VS3-S62	41.2	62	55	21	1.Y05292	1.Y03319	1.Y09846

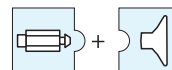
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



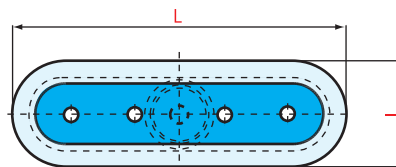
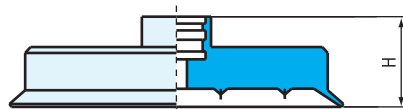
Removable fitting:
(adapter and hollow screw)



Vacuum Cup Fitting	Vacuum Cups
VM21-M5	VS3-S5~VS3-S7
VM18-M5 VM02-G18	VS3-S9~VS3-S25
VM08-M8 + VM-G18M-M8F	
VM08-M8 + VM-G14M-M8F	VS3-S32~VS3-S62
VM04-G14	
VM24-G18	

Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
STN: Siton®	60	+	++	-	++	0 to 160	Blue
SIT5: Translucent Silicone	50	+++	-	+++	-	-40 to 220	Translucent
NBR: Nitrile	60	+	+	-	++	0 to 80	Black

Vacuum Cups VS-PO Series

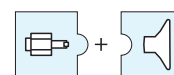


	L(mm)	l(mm)	H(mm)	STN	SI
VS-PO24	4	2	6	1.Y08504	1.Y08506
VS-PO357	7	3.5	6	1.Y08505	1.Y08507
VS-PO515	15	5	12	1.Y05638	1.Y03306
VS-PO618	18	6	12	1.Y05639	1.Y03307
VS-PO824	24	8	12	1.Y05640	1.Y03308
VS-PO1030	30	10	12	1.Y05641	1.Y03309
VS-PO1545	45	15	21	1.Y05642	1.Y03310
VS-PO2060	60	20	21	1.Y05643	1.Y05646
VS-PO2575	75	25	21	1.Y05644	1.Y05647
VS-PO3090	90	30	21	1.Y05645	1.Y05648

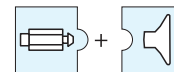


Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



Removable fitting:
(adapter and hollow screw)



 Vacuum Cup Fitting	 Vacuum Cups
VM25-M3	VS-PO24~VS-PO357
VM12-M5	VS-PO515~VS-PO618
VM16-G18	VS-PO824~VS-PO1030
VM06-G14	VS-PO1545~VS-PO3090

Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance 抗油污性	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent
STN: Siton®	60	+	++	-	++	0 to 160	Blue

Vacuum Cups VSH Series

Profile · SUS Tube

Stents Module

Quick Changer

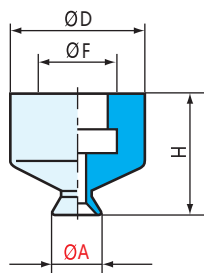
Grip Module

Air Nipper

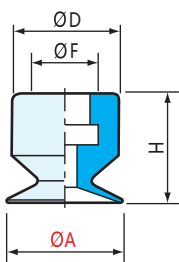
Vacuum Module

Accessory Components

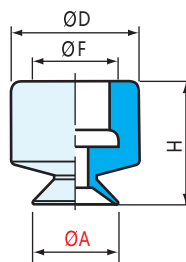
VSH-S2...VSH-S10



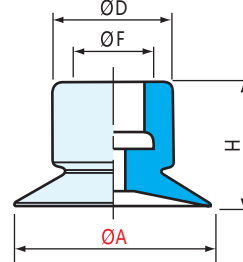
VSH-S12...VSH-S30



VSH-M4...VSH-M10



VSH-M12...VSH-M50

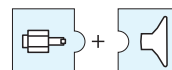


	Δ (N) ⁽¹⁾	Δ (N) ⁽¹⁾	ØA (mm)	H (mm)	ØD (mm)	ØF (mm)	SI
VSH-S2	0.5	0.1	2	13	11	7	1.Y07282
VSH-S4	0.7	0.2	4	15	11	7	1.Y07283
VSH-S6	0.9	0.3	6	11	11	7	1.Y07284
VSH-S8	1.1	0.5	8	11	11	7	1.Y07285
VSH-S10	1.6	0.8	10	11	11	7	1.Y07286
VSH-S12	2.0	1.5	12	11	11	7	1.Y07287
VSH-S15	3.7	1.8	15	13	11	7	1.Y07288
VSH-S20	6.1	3.0	20	13	12	7	1.Y07289
VSH-S25	9.4	4.7	25	13	11	7	1.Y07290
VSH-S30	15.9	7.9	30	12	13	7	1.Y07291
VSH-M4	0.7	0.2	4	14	15	11	1.Y07292
VSH-M6	0.9	0.3	6	15	15	11	1.Y07293
VSH-M8	1.1	0.5	8	15	15	11	1.Y07294
VSH-M10	1.6	0.8	10	15	15	11	1.Y07295
VSH-M12	2.0	1.5	12	15	15	11	1.Y07296
VSH-M15	3.7	1.8	15	15.5	16	11	1.Y07297
VSH-M20	6.1	3.0	20	15.5	16	11	1.Y07298
VSH-M25	9.4	4.7	25	15	15	11	1.Y07299
VSH-M30	15.9	7.9	30	15	16	11	1.Y07300
VSH-M40	26.7	13.4	40	16	17	11	1.Y07301
VSH-M50	38.3	19.1	50	15	20	11	1.Y07302

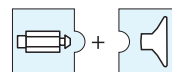
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



Removable fitting:
(adapter and hollow screw)

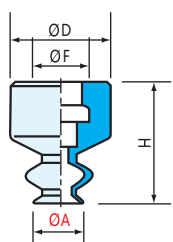


Vacuum Cup Fitting	Vacuum Cups
VM11-M5 VFS (VFS Series Stem) VFST (VFST Series Stem)	VSH-S2~VSH-S30
VM10-G 1/8 VM27-M5 VFM (VFM Series Stem) VFMT (VFMT Series Stem)	VSH-M4~VSH-M50

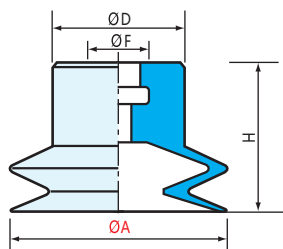
Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent

Vacuum Cups VSH2 Series

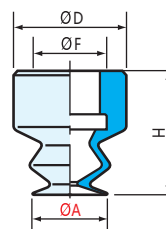
VSH2-S4...VSH2-S20



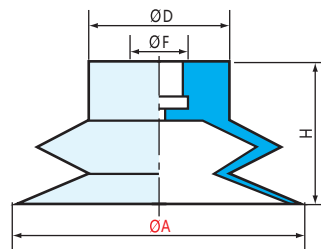
VSH2-S25...VSH2-S30



VSH2-M6...VSH2-M25



VSH2-M30...VSH2-M50



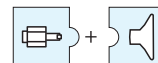
	Δ (N) ⁽¹⁾	Δ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI
VSH2-S4	0.3	0.1	4	15	12	7	1.Y07303
VSH2-S6	0.5	0.2	6	15	12	7	1.Y07304
VSH2-S8	1.2	0.7	8	15	12	7	1.Y07305
VSH2-S10	1.7	0.9	10	15	12	7	1.Y07306
VSH2-S12	2.5	1.3	12	15	12	7	1.Y07307
VSH2-S15	2.7	1.3	15	18	15	7	1.Y07308
VSH2-S20	5.6	2.8	20	18	15	7	1.Y07309
VSH2-S25	7.9	4.0	25	17.5	15	7	1.Y07310
VSH2-S30	12	6	30	17.5	15	7	1.Y07311
VSH2-M6	0.5	0.2	6	18	15	11	1.Y07312
VSH2-M8	1.2	0.7	8	17	15	11	1.Y07313
VSH2-M10	1.7	0.9	10	17	15	11	1.Y07314
VSH2-M12	2.5	1.3	12	17	15	11	1.Y07315
VSH2-M15	2.7	1.3	15	18	15	11	1.Y07316
VSH2-M20	5.6	2.8	20	18	15	11	1.Y07317
VSH2-M25	7.9	4.0	25	18	15	11	1.Y07318
VSH2-M30	12	6	30	19	18	11	1.Y07319
VSH2-M35	13.9	6.9	35	19	18	11	1.Y07320
VSH2-M40	20.2	10.1	40	22	23	11	1.Y07321
VSH2-M50	40	20	50	24	24	11	1.Y07322

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

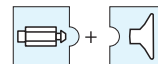


Types of assembly

Factory-crimped fitting:



Hollow shaft fitting:



Removable fitting:
(adapter and hollow screw)



Vacuum Cup Fitting	Vacuum Cups
VM11-M5 VFS (VFS Series Stem) VFST (VFST Series Stem)	VSH2-S4~VSH2-S30
VM10-G 1/8 VM27-M5 VFM (VFM Series Stem) VFMT (VFMT Series Stem)	VSH2-M6~VSH2-M50

Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent

Vacuum Cups VSH3 Series

Profile · SUS Tube

Stents Module

Quick Changer

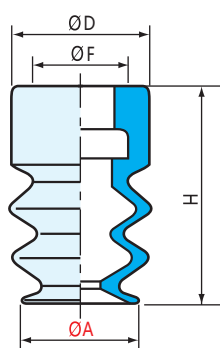
Grip Module

Air Nipper

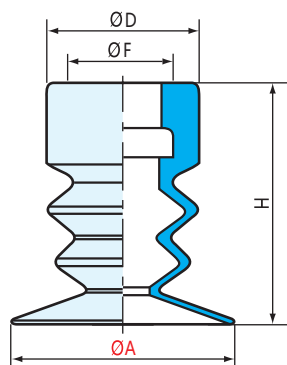
Vacuum Module

Accessory Components

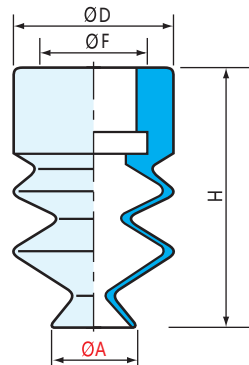
VSH3-S6...VSH3-S8



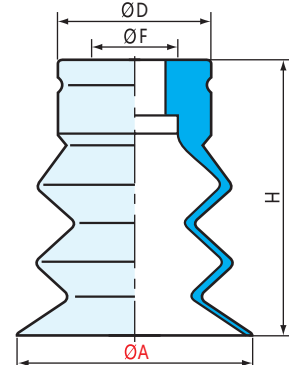
VSH3-S10...VSH3-S15



VSH3-M8...VSH3-M30



VSH3-M40...VSH3-M50



	Δ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI
VSH3-S6	0.5	6	15	10	7	1.Y07323
VSH3-S8	1.0	8	15	10	7	1.Y07324
VSH3-S10	1.5	10	15	10	7	1.Y07325
VSH3-S12	2.8	12	15	10	7	1.Y07326
VSH3-S15	3.0	15	16	10	7	1.Y07327
VSH3-M8	1.0	8	20	15	11	1.Y07328
VSH3-M10	1.5	10	24	15	11	1.Y07329
VSH3-M12	2.8	12	24	15	11	1.Y07330
VSH3-M15	3.0	15	24	15	11	1.Y07331
VSH3-M20	4.6	20	25	15	11	1.Y07332
VSH3-M25	6.5	25	29	17	11	1.Y07333
VSH3-M30	12.1	30	35	17	11	1.Y07334
VSH3-M40	20.5	40	45	20	11	1.Y07335
VSH3-M50	25	50	43	20	11	1.Y07336

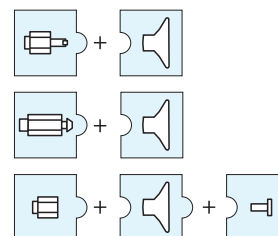
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



Types of assembly

Factory-crimped fitting:
Hollow shaft fitting:

Removable fitting:
(adapter and hollow screw)

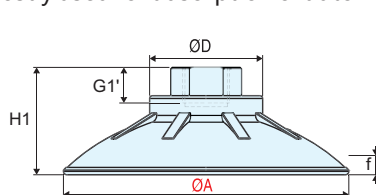
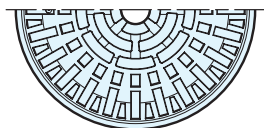
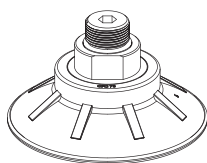


 Vacuum Cup Fitting	 Vacuum Cups
VM11-M5 VFS (VFS Series Stem) VFST (VFST Series Stem)	VSH3-S6~VSH3-S15
VM10-G 1/8 VM27-M5 VFM (VFM Series Stem) VFMT (VFMT Series Stem)	VSH3-M8~VSH3-M50

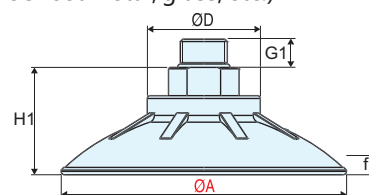
Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent

Vacuum Cups VFC Series

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



F38G Female fitting G3/8"



M38G Male fitting G3/8"

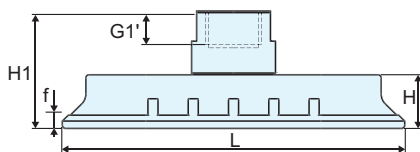
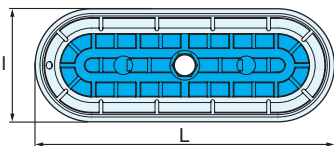
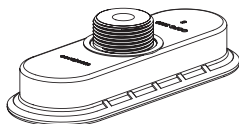
	ØA at rest	ØA gripping	cm^3	$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	Rmin	Rmin	Ø bore	H1	f ⁽³⁾
VFC 35	37	38.5	2.46	50	50	58	50	6.3	25	3
VFC 50	51	54	8.37	100	100	66	52	6.3	30	5.5
VFC 75	76	80	25.03	200	170	100	58	6.3	33	8
VFC 100	101	105.7	57.61	350	270	120	90	6.3	38	10
VFC 125	127	132	119.7	550	480	160	115	6.3	44	14



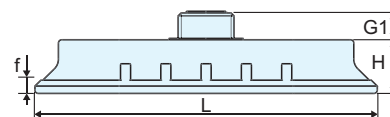
	G1	G1'	ØD(mm)	$\Delta(g)$ F38G	$\Delta(g)$ M38G	PN F38G	PN M38G
VFC 35	10	12.6	37	14	18	1.Y08448	1.Y08477
VFC 50	10	12.6	38	25	29	1.Y08449	1.Y08478
VFC 75	10	12.6	41	40	45	1.Y08450	1.Y08503
VFC 100	10	12.6	41	67	72	1.Y08451	1.Y08479
VFC 125	10	12.6	55	119	124	1.Y08452	1.Y08480

Vacuum Cups VOFC Series

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



F38G Female fitting G3/8"



M38G Male fitting G3/8"

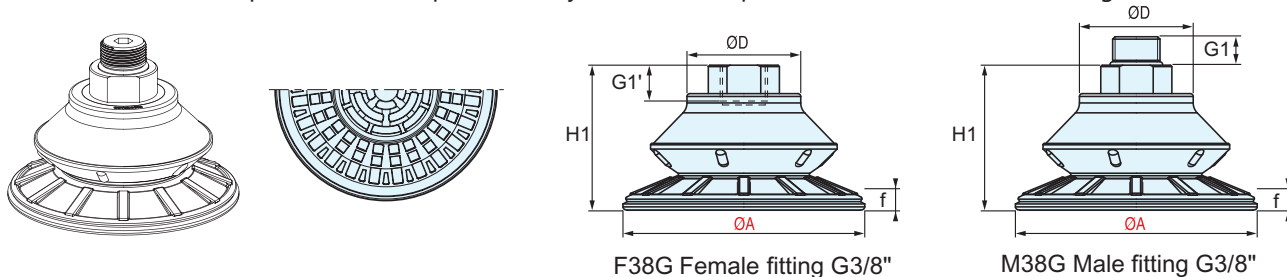
	I x L at rest	I x L gripping	cm^3	$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	Rmin	Rmin	Ø bore	H1	H
VOFC 2565	25x65	26.8x67	3.78	70	70	25	25	6	31.5	12.5
VOFC 3080	30x80	31.5x82	6.08	110	90	40	32	6	32	13
VOFC 4080	40x80	42x82	11.03	140	120	60	40	6	34	15
VOFC 50100	50x100	52.5x102.5	22.25	230	240	70	50	6	35	16



	G1	G1'	f ⁽²⁾	$\Delta(g)$ F38G	$\Delta(g)$ M38G	PN F38G	PN M38G
VOFC 2565	8	10	3	24	17	1.Y08453	1.Y08481
VOFC 3080	8	10	3	29	22	1.Y08454	1.Y08482
VOFC 4080	8	10	4.5	30	23	1.Y08455	1.Y08483
VOFC 50100	8	10	6	43	36	1.Y08484	1.Y08485

Vacuum Cups VBC Series

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



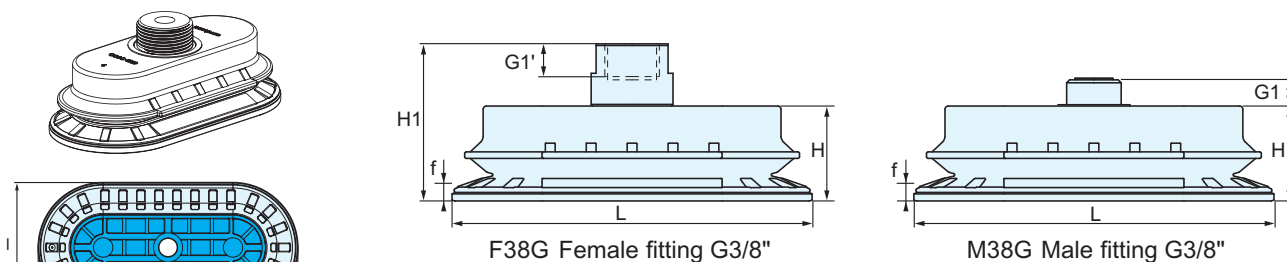
		ØA at rest	ØA gripping	cm^3	$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	$R_{\min}$	$R_{\min}$	Ø bore	H1	f ⁽³⁾
VBC 22		21.5	22	1.6	17	17	25	30	6.3	32	6
VBC 30 ⁽²⁾		32	34	5	40	40	30	32	6.3	31	8
VBC 45		47	48.7	11.47	70	90	36	45	6.3	36	11
VBC 60		62	64.5	25.31	140	130	44	62	6.3	41	14
VBC 85		85	88	66.54	230	240	65	115	6.3	51	22
VBC 115		115	119	141.47	420	390	84	140	6.3	53	24



		G1	G1'	ØD(mm)	g F38G	g M38G	PN F38G	PN M38G
VBC 22		10	12.6	37	10	14	1.Y08456	1.Y08486
VBC 30 ⁽²⁾		10	12.6	37	14	19	1.Y08457	1.Y08487
VBC 45		10	12.6	37	22	26	1.Y08458	1.Y08488
VBC 60		10	12.6	39	32	37	1.Y08459	1.Y08489
VBC 85		10	12.6	41	64	69	1.Y08460	1.Y08490
VBC 115		10	12.6	55	103	107	1.Y08461	1.Y08491

Vacuum Cups VOBC Series

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



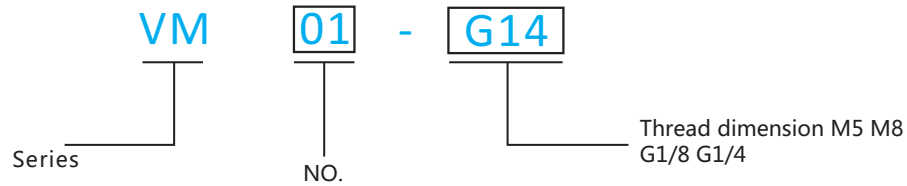
		I x L at rest	I x L gripping	cm^3	$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	$R_{\min}$	$R_{\min}$	Ø bore	H1	H
VOBC 3065		31x65	32.3x67	9.98	60	60	25	30	6	39	20
VOBC 4080		40x80	41.5x82	19.44	110	120	38	37	6	41	22
VOBC 55110		55x110	57x112.5	49.25	170	190	58	57	6	48	29
VOBC 70140		70x140	72x143	93.57	300	300	72	68	6	49	30



		G1	G1'	f ⁽²⁾	g F38G	g M38G	PN F38G	PN M38G
VOBC 3065		8	10	7	31	25	1.Y08462	1.Y08492
VOBC 4080		8	10	9	37	31	1.Y08463	1.Y08493
VOBC 55110		8	10	13	68	62	1.Y08464	1.Y08494
VOBC 70140		8	10	16	103	97	1.Y08465	1.Y08495

Vacuum Cup Fitting

Model representation methods



Vacuum Cup Fitting			
Dimension			
PN	7.Y00703	7.Y00709	7.Y00768
Model	VM02-G18	VM04-G14	VM06-G14
Weight	3.5g	7.0g	9.7g

Vacuum Cup Fitting			
Dimension			
PN	7.Y00767	1.Y05275	1.Y05274
Model	VM07-G18	VM08-M8	VM09-M5
Weight	3.3g	8.3g	1.4g

Profile · SUS Tube

Stents Module

Quick Changer

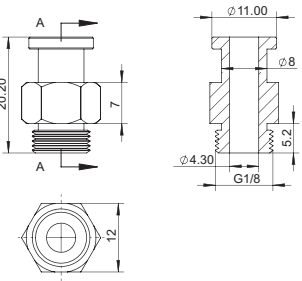
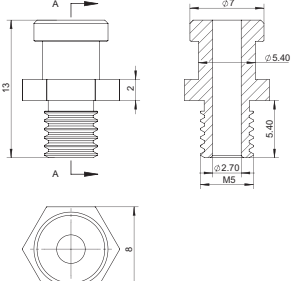
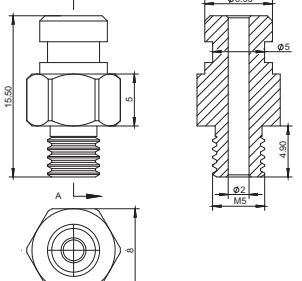
Grip Module

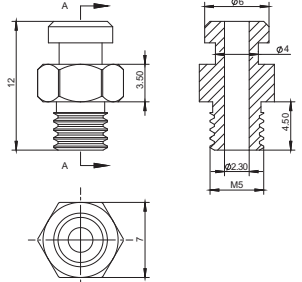
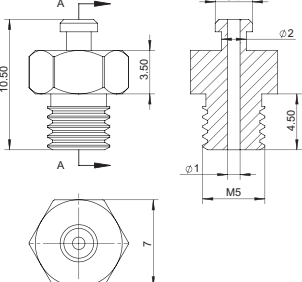
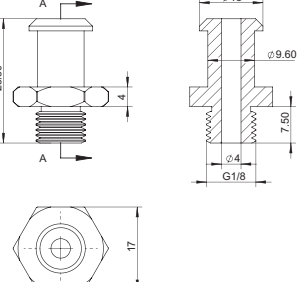
Air Nipper

Vacuum Module

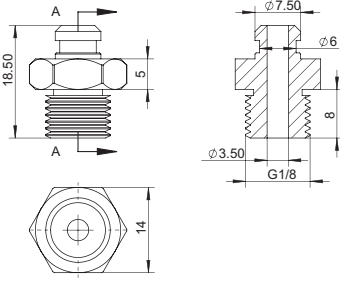
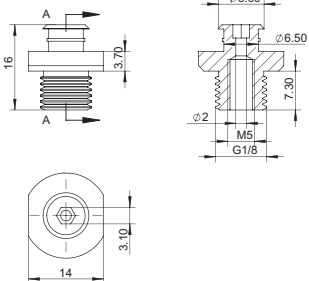
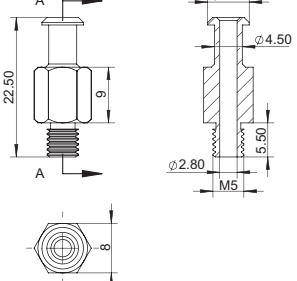
Accessory Components

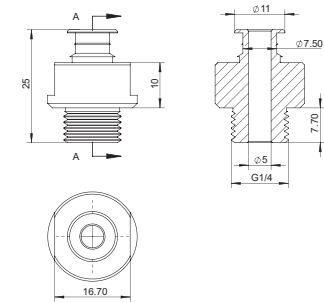
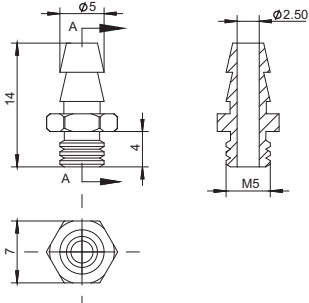
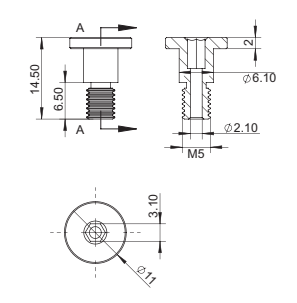
Vacuum Cup Fitting

Vacuum Cup Fitting			
Dimension			
PN	7.Y00902	1.Y05327	7.Y00762
Model	VM10-G18	VM11-M5	VM12-M5
Weight	3.7g	2.0g	1.2g

Vacuum Cup Fitting			
Dimension			
PN	7.Y00761	7.Y00760	7.Y00759
Model	VM13-M5	VM14-M5	VM15-G18
Weight	0.7g	0.5g	17.8g

Vacuum Cup Fitting

Vacuum Cup Fitting			
Dimension			
PN	7.Y00758	7.Y00757	1.Y05314
Model	VM16-G18	VM17-G18	VM18-M5
Weight	3.8g	2.9g	4.6g

Vacuum Cup Fitting			
Dimension			
PN	4.Y00058	1.Y01986	1.Y05790
Model	VM20-G14	VM21-M5	VM22-M5
Weight	9.5g	1.8g	2.9g

Profile · SUS Tube

Stents Module

Quick Changer

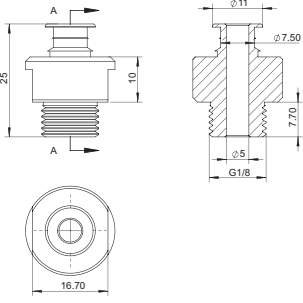
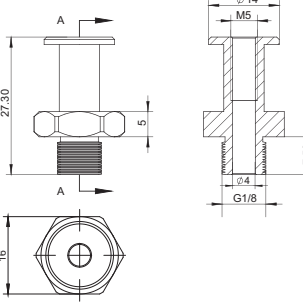
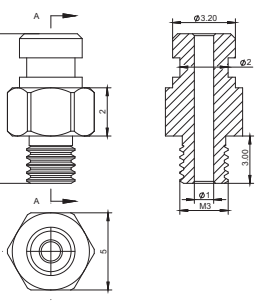
Grip Module

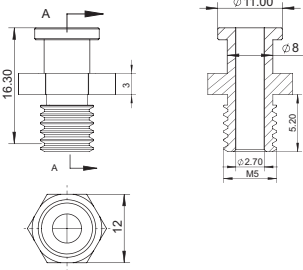
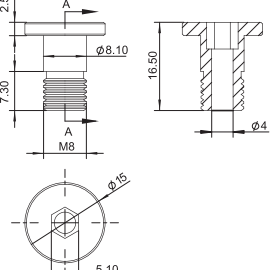
Air Nipper

Vacuum Module

Accessory Components

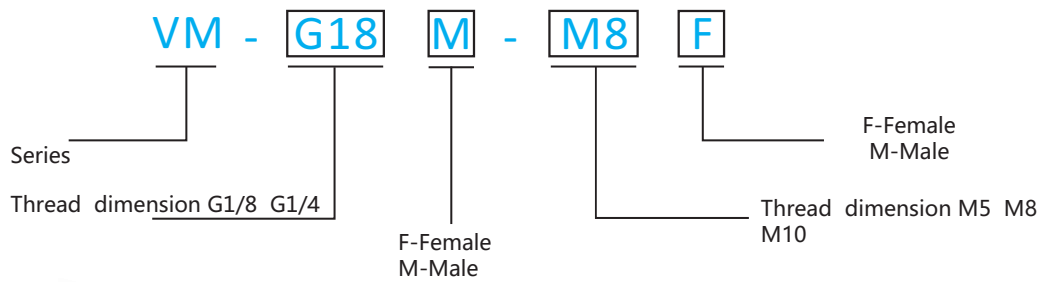
Vacuum Cup Fitting

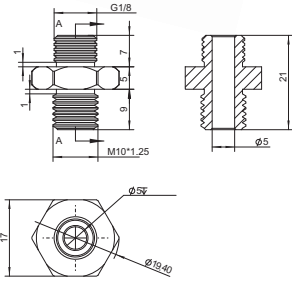
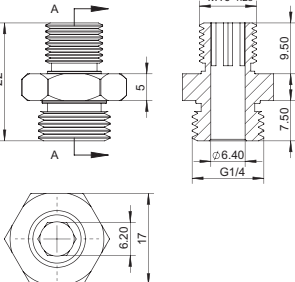
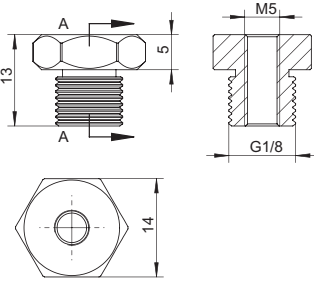
Vacuum Cup Fitting			
Dimension			
PN	7.Y00900	7.Y00898	7.Y00928
Model	VM23-G18	VM24-G18	VM25-M3
Weight	8.9g	5.5g	0.2g

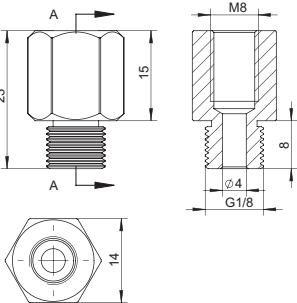
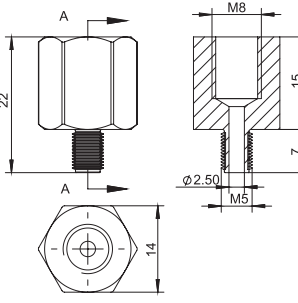
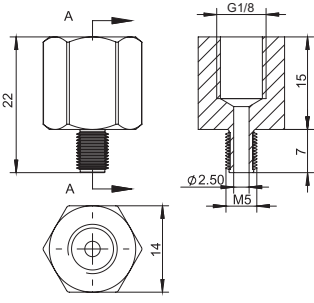
Vacuum Cup Fitting			
Dimension			
PN	1.Y01097	7.Y00475	
Model	VM27-M5	VM28-M8	
Weight	6.2g	1.9g	

Vacuum Cup Connector

Model representation methods

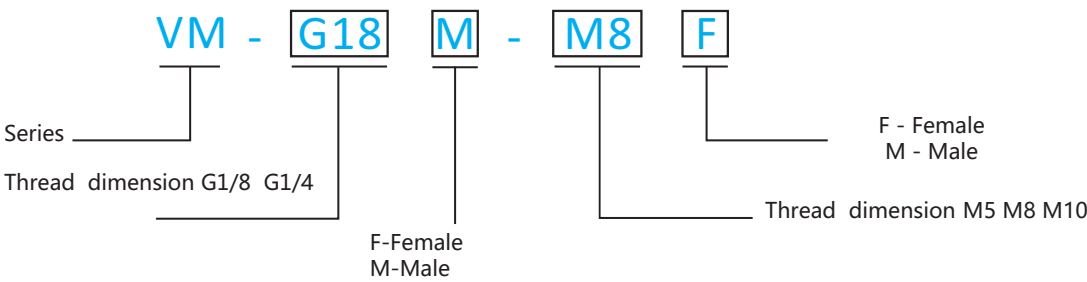


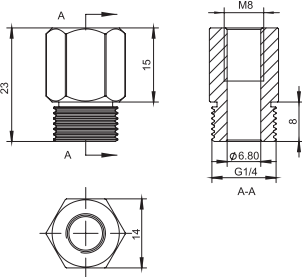
Vacuum Cup Connector			
Dimension			
PN	7.Y00808	7.Y00756	7.Y00755
Model	VM-G18M-M10M	VM-G14M-M10M	VM-G18M-M5F
Weight	4.5g	4.7g	2.9g

Vacuum Cup Connector			
Dimension			
PN	7.Y00754	7.Y00473	7.Y00474
Model	VM-G18M-M8F	VM-M5M-M8F	VM-M5M-G18F
Weight	6.2g	5.6g	4.9g

Vacuum Cup Connector

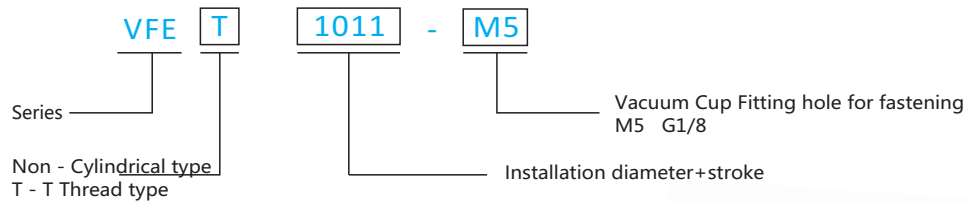
Model representation methods



Vacuum Cup Connector			
Dimension			
PN	7.Y00476		
Model	VM-G14M-M8F		
Weight	6.7g		

Vacuum Cup Suspensions

Model representation methods



VFE



VFR



VFN



VFET



VFRT



VFNT

The suspensions (or buffers, or level compensators) are used to keep the suction cups in position as the robot approaches. CRG offers a range specifically designed for Plastics applications. They are typically mounted on EAOTs (End Of Arm Toolings) with Mounting brackets.

Suspensions with smooth body

- VFR
- VFN
- VFE



Suspensions with threaded body

- VFRT
- VFNT
- VFET



Non-rotative suspensions

- VFN
- VFNT
- VFE
- VFET



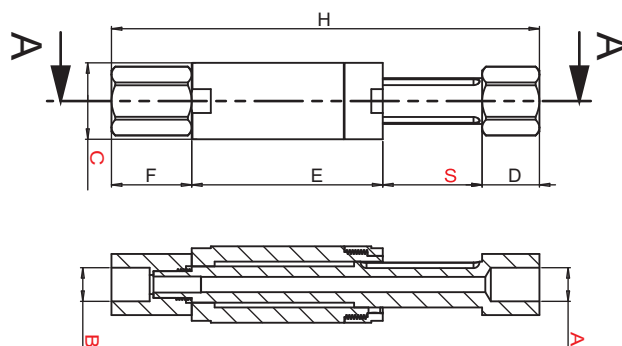
Rotative suspensions

- VFR
- VFRT

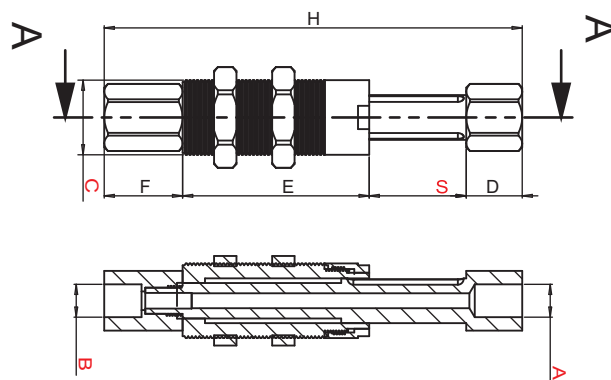


Non-rotative Suspensions

Body and rod in anodized aluminum.
Non-rotative rod with high load capability.
Pressure range: -1 ~ 8 bar.



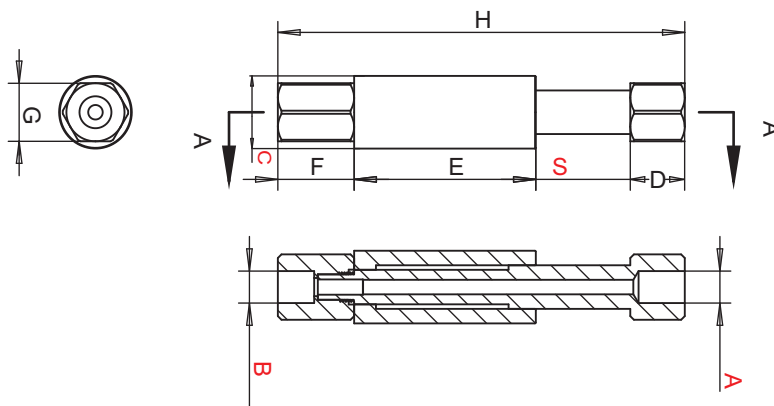
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00064	VFN1011-M5	M5	M5	Ø10	10	22	17	8	60	11	7g
8.Y00321	VFN1021-M5	M5	M5	Ø10	10	41	17	8	89	21	11g
8.Y00065	VFN1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	24g
8.Y00322	VFN1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	44g
8.Y00066	VFN2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	54g
8.Y00067	VFN2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	80g



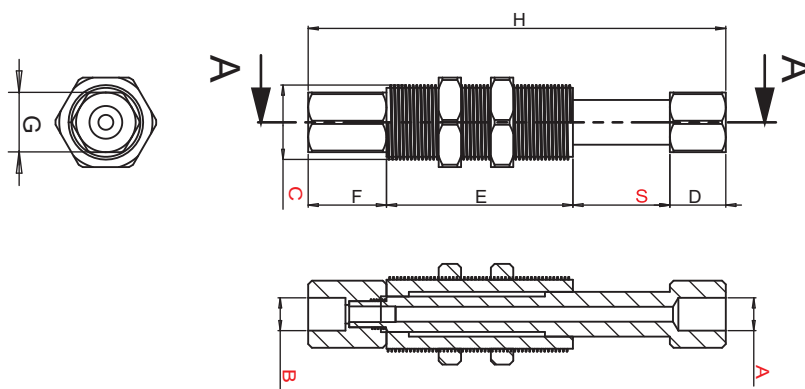
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00068	VFNT1011-M5	M5	M5	M10*1	10	22	17	8	60	11	12g
8.Y00323	VFNT1021-M5	M5	M5	M10*1	10	41	17	8	89	21	39g
8.Y00204	VFNT1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	51g
8.Y00383	VFNT1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	64g
8.Y00324	VFNT1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	72g
8.Y00384	VFNT1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	76g
8.Y00205	VFNT2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	82g
8.Y00206	VFNT2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	120g

Rotative Suspensions

Body and rod in anodized aluminum.
Rotative rod.
Pressure range: -1 ~8 bar.



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00060	VFR1011-M5	M5	M5	Ø10	3	22	17	8	53	11	11g
8.Y00325	VFR1021-M5	M5	M5	Ø10	3	41	17	8	82	21	17g
8.Y00061	VFR1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	23g
8.Y00326	VFR1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	40g
8.Y00062	VFR2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	50g
8.Y00063	VFR2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	77g



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00074	VFRT1011-M5	M5	M5	M10*1	3	22	17	8	53	11	14g
8.Y00327	VFRT1021-M5	M5	M5	M10*1	3	41	17	8	82	21	26g
8.Y00075	VFRT1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	32g
8.Y00381	VFRT1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	36g
8.Y00328	VFRT1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	60g
8.Y00382	VFRT1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	65g
8.Y00076	VFRT2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	70g
8.Y00077	VFRT2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	104g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

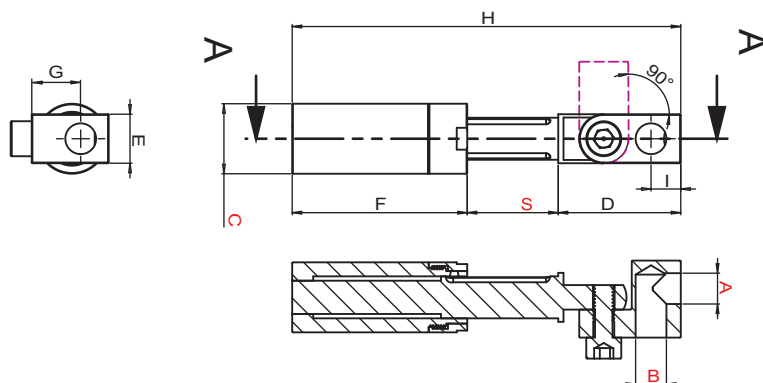
Air Nipper

Vacuum Module

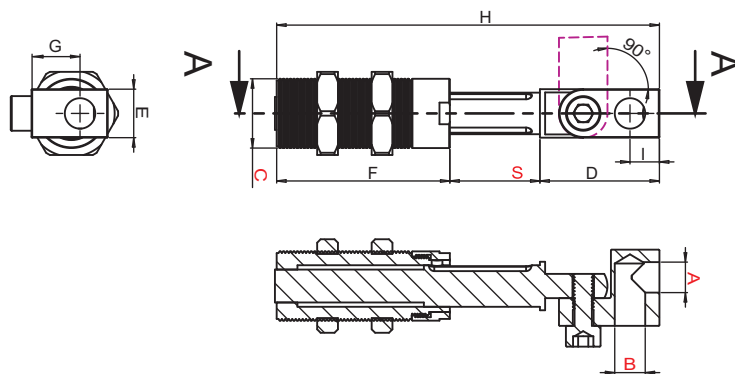
Accessory Components

Non-rotative Suspensions With Integral Elbow Arms

It is possible to set continuously the angle between 0° and +/-90°.
 External air feeding.
 Body and rod in anodized aluminum.
 Non-rotative rod with high load capability.
 Pressure range: -1 ~ 8 bar.



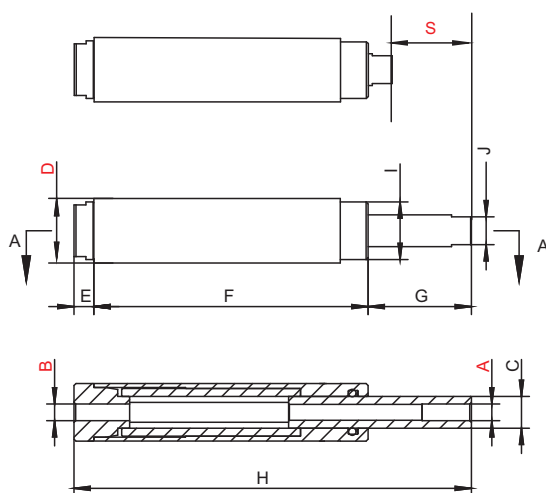
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00070	VFE1011-M5	M5	M5	Ø10	20	8	22	8	53	11	12g
8.Y00371	VFE1021-M5	M5	M5	Ø10	20	8	41	8	81	21	16g
8.Y00071	VFE1421-G18	G1/8	G1/8	Ø14	32	14	40	14	93	21	45g
8.Y00372	VFE1436-G18	G1/8	G1/8	Ø14	32	14	60	14	128	36	48g
8.Y00072	VFE2026-G18	G1/8	G1/8	Ø20	35	14	50	14	111	26	70g
8.Y00073	VFE2051-G18	G1/8	G1/8	Ø20	35	14	84	14	169.5	51	105g



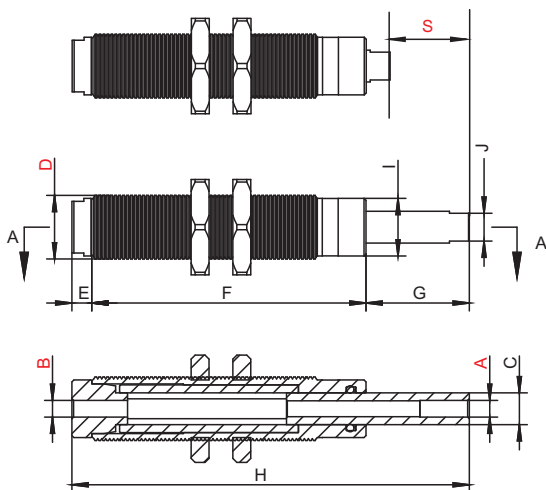
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00069	VFET1011-M5	M5	M5	M10*1	20	8	22	8	53	11	15g
8.Y00374	VFET1021-M5	M5	M5	M10*1	20	8	41	8	81	21	24g
8.Y00228	VFET1421-G18	G1/8	G1/8	M14*1	32	14	40	14	93	21	57g
8.Y00379	VFET1621-G18	G1/8	G1/8	M16*1	32	14	40	14	93	21	64g
8.Y00375	VFET1436-G18	G1/8	G1/8	M14*1	32	14	60	14	128	36	80g
8.Y00380	VFET1636-G18	G1/8	G1/8	M16*1	32	14	60	14	128	36	85g
8.Y00229	VFET2026-G18	G1/8	G1/8	M20*1	35	14	50	14	111	26	88g
8.Y00230	VFET2051-G18	G1/8	G1/8	M20*1	35	14	84	14	169.5	51	125g

Non-rotating suspension for fixed piping

The product is made of anodic aluminium.
Built-in anti-rotation plastic piston.
Built-in telescopic function of spring reset,
tail vacuum intake fixed design.



PN	Model	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
8.Y00313	VFC2030-G18	G1/8	G1/8	Φ13	Φ20	8	85	40	133	Φ18	12	30	60



PN	Model	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
8.Y00277	VFCT1620-M5	M5	M5	Φ8	M16X1.0	5	69	26	100	Φ14.5	7	20	42.7
8.Y00314	VFCT2030-G18	G1/8	G1/8	Φ13	M20X1.0	8	85	40	133	Φ18	12	30	80

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

The Adsorption Of Pneumatic Fittings

Profile · SUS Tube

Stents Module

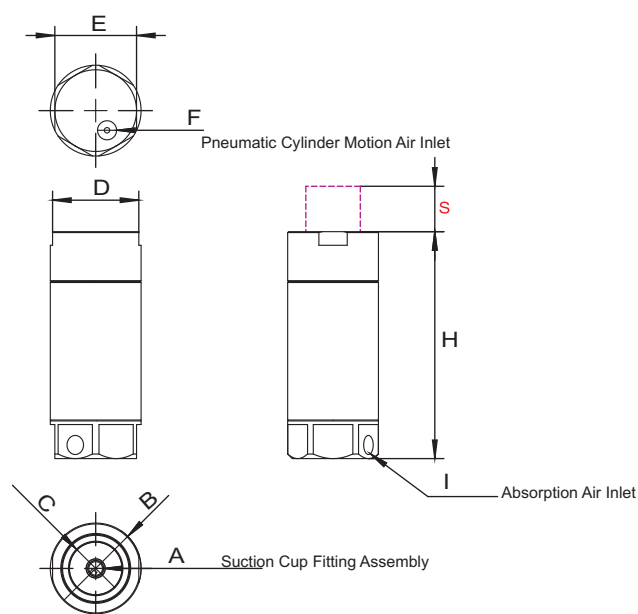
Quick Changer

Grip Module

Air Nipper

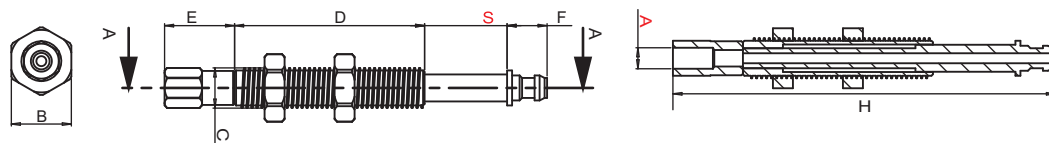
Vacuum Module

Accessory Components



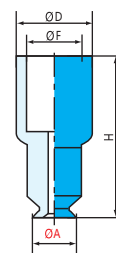
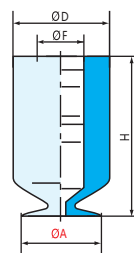
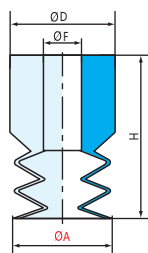
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
8.Y00207	VFG20-10	M5	Φ20	Φ12	19	18	M5	50	M5	10	35g
8.Y00337	VFG20-20	M5	Φ20	Φ12	19	18	M5	65	M5	20	45g
8.Y00338	VFG30-20	G1/8	Φ30	Φ20	27	27	G1/8	72	G1/8	20	70g

Suction Stems



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	S(mm)	Weight(g)
1.Y05764	VFRT-7M5	M5	12	M8*1	21.5	14	8	51	7	15g
1.Y05765	VFRT-15M5	M5	12	M8*1	38	14	8	80	20	21g
1.Y05766	VFRT-30M5	M5	12	M8*1	38	14	8	90	30	22g

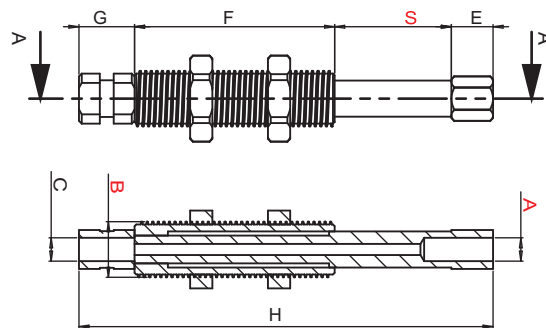
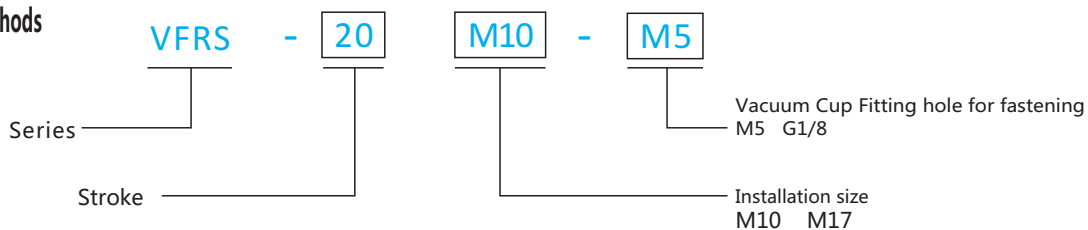
Vacuum Cups VFRT Series



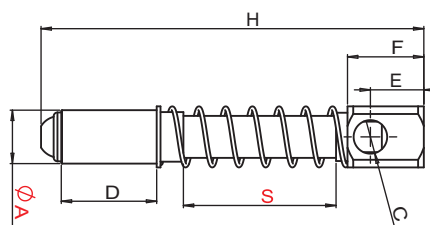
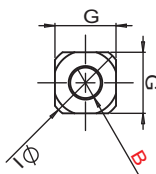
	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(透明)
VSR-S2	2	12	7	5	1.Y00435
VSR-S4	4	14	7	5	1.Y00436
VSR-S6	6	12	7	5	1.Y03350
VSR-S8	8	12	7	5	1.Y00442
VSR3-S5	5	14	7	4	1.Y04179
VSR3-S7	7	14	7	4	1.Y04444

Suction Stems

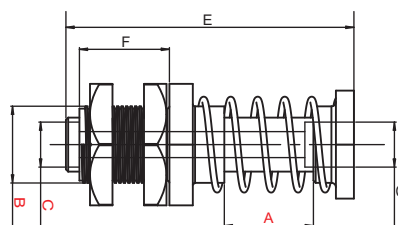
Model representation methods



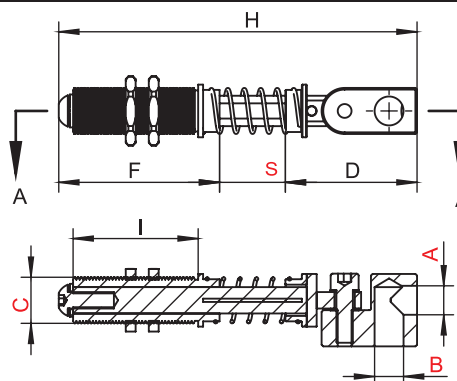
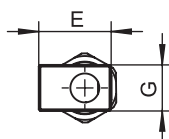
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
4.Y00026	VFRS-20M10-M5	M5	M10*1	M5	14	7	36	10	73.5	20	27g
4.Y00023	VFRS-20M16-G18	G1/8	M16*1	G1/8	21	4	36	15	77	20	76g



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
1.Y01452	VFM-4014-G18	Ø14	G1/8	G1/8	25	14	20	16	100	Ø20	40	48g
1.Y01451	VFM-2020-G14	Ø20	G1/4	G1/8	48	15	26	22	113	Ø27	20	136g



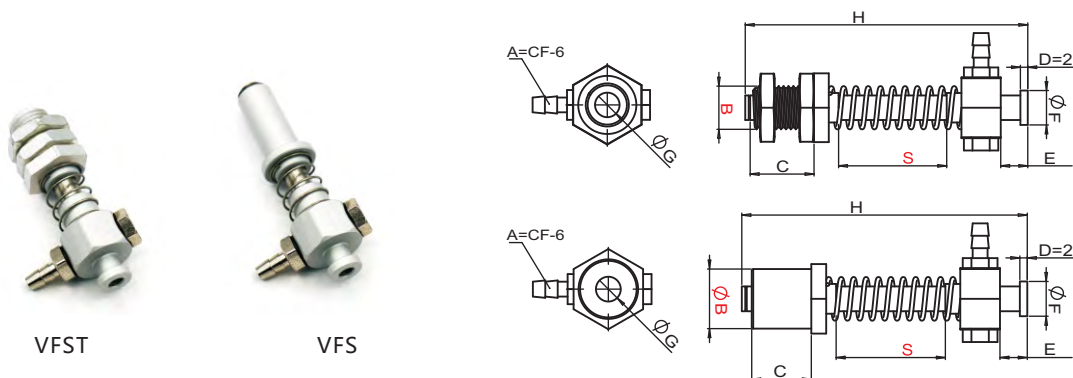
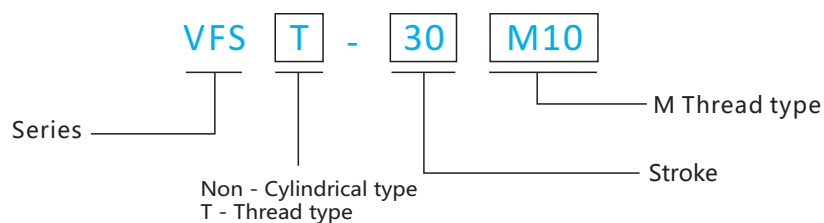
PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Weight(g)
1.Y01453	VFL-20M17-G18	20	M17*1	G1/8	27	64	20	G1/8	119g



PN	Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
8.Y00319	VFMT-20M14-G18	G1/8	G1/8	M14X1.0	40	22	49	14	109	38	20	97g
8.Y00320	VFMT-40M14-G18	G1/8	G1/8	M14X1.0	40	22	64	14	144	50	40	123g

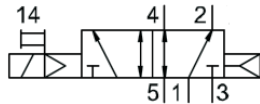
Suction Stems

Model representation methods

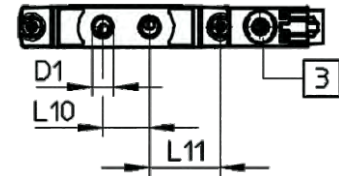
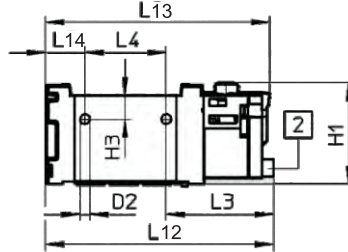
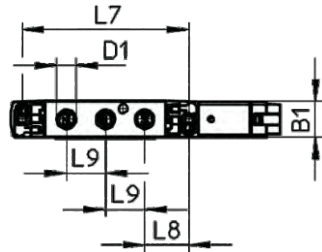


PN	Model	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
1.Y04942	VFST-5M10	M10*1	18	5.5	Ø7	Ø3.4	40.5	5	14g
1.Y00533	VFST-10M10	M10*1	18	5.5	Ø7	Ø3.4	45.5	10	15g
1.Y00531	VFST-20M10	M10*1	18	5.5	Ø7	Ø3.4	55.5	20	15g
1.Y01566	VFST-30M10	M10*1	18	5.5	Ø7	Ø3.4	65.5	30	16g
1.Y05260	VFS-0508	Ø8	18	5.5	Ø7	Ø3.4	40.5	5	9g
1.Y05756	VFS-0512	Ø12	18	5.5	Ø7	Ø3.4	40.5	5	13g
1.Y05261	VFS-1008	Ø8	18	5.5	Ø7	Ø3.4	45.5	10	9g
8.Y00007	VFS-1012	Ø12	18	5.5	Ø7	Ø3.4	45.5	10	14g
1.Y05262	VFS-2008	Ø8	18	5.5	Ø7	Ø3.4	55.5	20	10g
8.Y00008	VFS-2012	Ø12	18	5.5	Ø7	Ø3.4	55.5	20	14g
1.Y05757	VFS-3008	Ø8	18	5.5	Ø7	Ø3.4	65.5	30	11g
1.Y05758	VFS-3012	Ø12	18	5.5	Ø7	Ø3.4	65.5	30	15g
1.Y00527	VFMT-5M12	M12*1	18	9	Ø11	Ø4.6	44	5	20g
1.Y00522	VFMT-10M12	M12*1	18	9	Ø11	Ø4.6	49	10	21g
1.Y00523	VFMT-20M12	M12*1	18	9	Ø11	Ø4.6	59	20	22g
1.Y00521	VFMT-30M12	M12*1	18	9	Ø11	Ø4.6	69	30	24g
1.Y05759	VFM-0512	Ø12	18	9	Ø11	Ø4.6	44	5	15g
1.Y05760	VFM-0520	Ø20	18	9	Ø11	Ø4.6	44	5	29g
1.Y03068	VFM-1012	Ø12	18	9	Ø11	Ø4.6	49	10	16g
1.Y05761	VFM-1020	Ø20	18	9	Ø11	Ø4.6	49	10	29g
1.Y04279	VFM-2012	Ø12	18	9	Ø11	Ø4.6	59	20	18g
1.Y05762	VFM-2020	Ø20	18	9	Ø11	Ø4.6	59	20	31g
1.Y03069	VFM-3012	Ø12	18	9	Ø11	Ø4.6	69	30	19g
1.Y05763	VFM-3020	Ø20	18	9	Ø11	Ø4.6	69	30	32g

Single pipe valve VUVG-LK,24VDC, Inner leader H2 Junction box with 0.5m cable

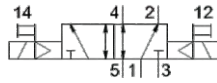


accessory
seal a pack of ten

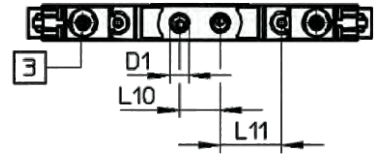
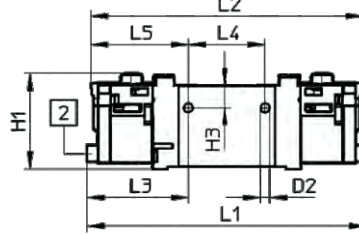
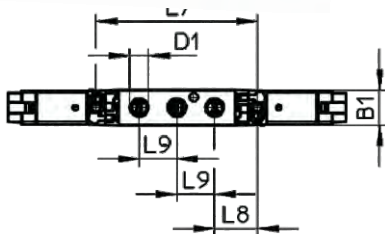


2 horizontal electrical interface 3 manual button

PN	Model	B1	D2	H1	H3	L3	L4	L7	L8	L9	L10	L11	L12	L13	L14	(l/min)
1.Y06040	VUVG-LK14-M52-AT-G18-1H2L-S	14.4	3.3	34.8	3.2	40.1	37	66.5	18.4	14.9	17	24.8	95.6	94.4	17.7	660

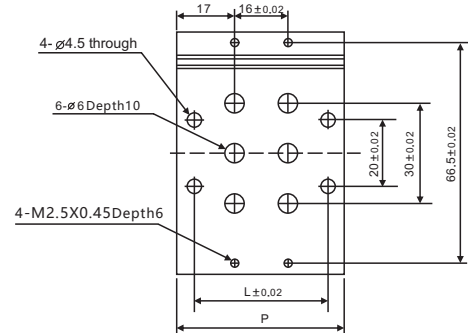
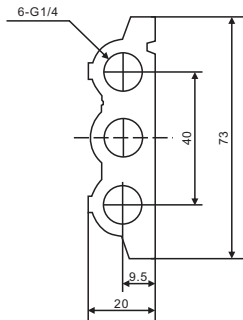


accessory
seal a pack of ten



2 horizontal electrical interface 3 manual button

PN	Model	B1	D2	H1	H3	L1	L2	L3	L4	L5	L7	L8	L9	L10	L11	(l/min)
1.Y06288	VUVG-LK14-B52-T-G18-1H2L-W1-S	14.4	3.3	34.8	3.2	118.9	116.4	40.1	37	39.7	66.5	18.4	14.9	17	24.8	660



PN	1.Y06289	1.Y06290	1.Y06291	1.Y06292	1.Y06293	1.Y06294	1.Y06042	1.Y07453	1.Y06295
Model	VUVG1/8-LK-2F	VUVG1/8-LK-3F	VUVG1/8-LK-4F	VUVG1/8-LK-5F	VUVG1/8-LK-6F	VUVG1/8-LK-7F	VUVG1/8-LK-8F	VUVG1/8-LK-9F	VUVG1/8-LK-10F
Row	2	3	4	5	6	7	8	9	10
L	40	56	72	88	104	120	136	152	168
P	50	66	82	98	114	130	146	162	178

PN	1.Y09872	1.Y09873	1.Y09874	1.Y09875	1.Y09876	1.Y09877	1.Y09878	1.Y09879	1.Y09880	1.Y09881
Model	VUVG1/8-LK-11F	VUVG1/8-LK-12F	VUVG1/8-LK-13F	VUVG1/8-LK-14F	VUVG1/8-LK-15F	VUVG1/8-LK-16F	VUVG1/8-LK-17F	VUVG1/8-LK-18F	VUVG1/8-LK-19F	VUVG1/8-LK-20F
Row	11	12	13	14	15	16	17	18	19	20
L	184	200	216	232	248	264	280	296	312	328
P	194	210	226	242	258	274	290	306	322	338

Vacuum Module VPN-20 Series

Profile / SUS Tube

Stents Module

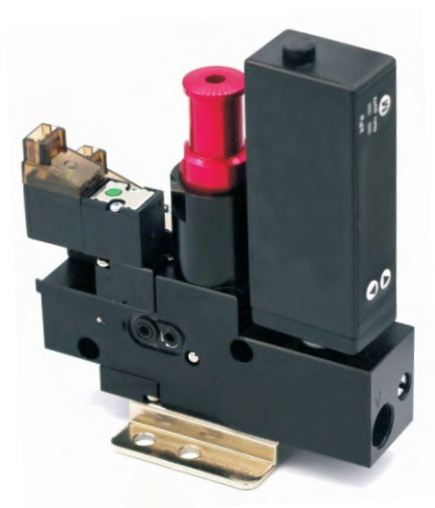
Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components



Basic data

Item	Content
Body size [mm]	80×20×87
Working temperature [°C]	-5~50
Net weight [g]	228
Power consumption	24VDC, 1.3W

PN	1.Y05963
Model	VPN-20

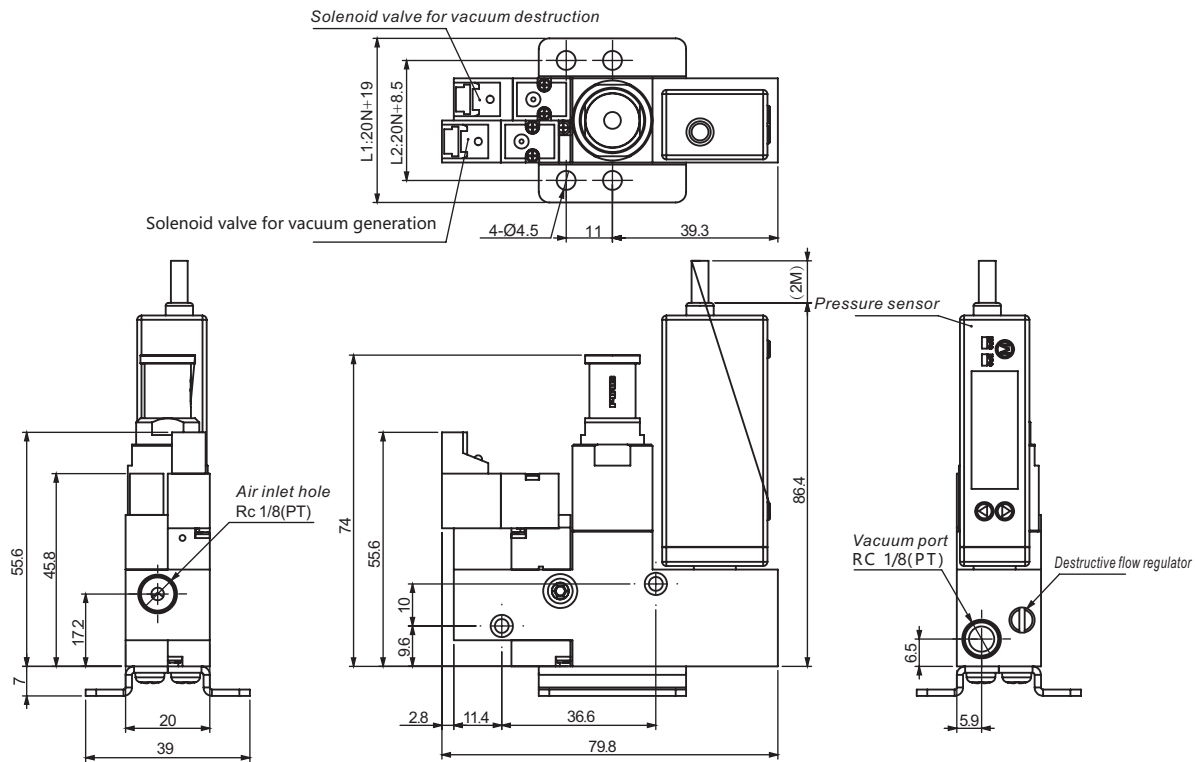
- The use of multistage vacuum generator has the characteristics of high vacuum and low consumption.
- Miniature solenoid valve is adopted to control vacuum establishment and vacuum removal.
- 20mm width design for multi vacuum combination, convenient warranty, smaller size.

Technical data

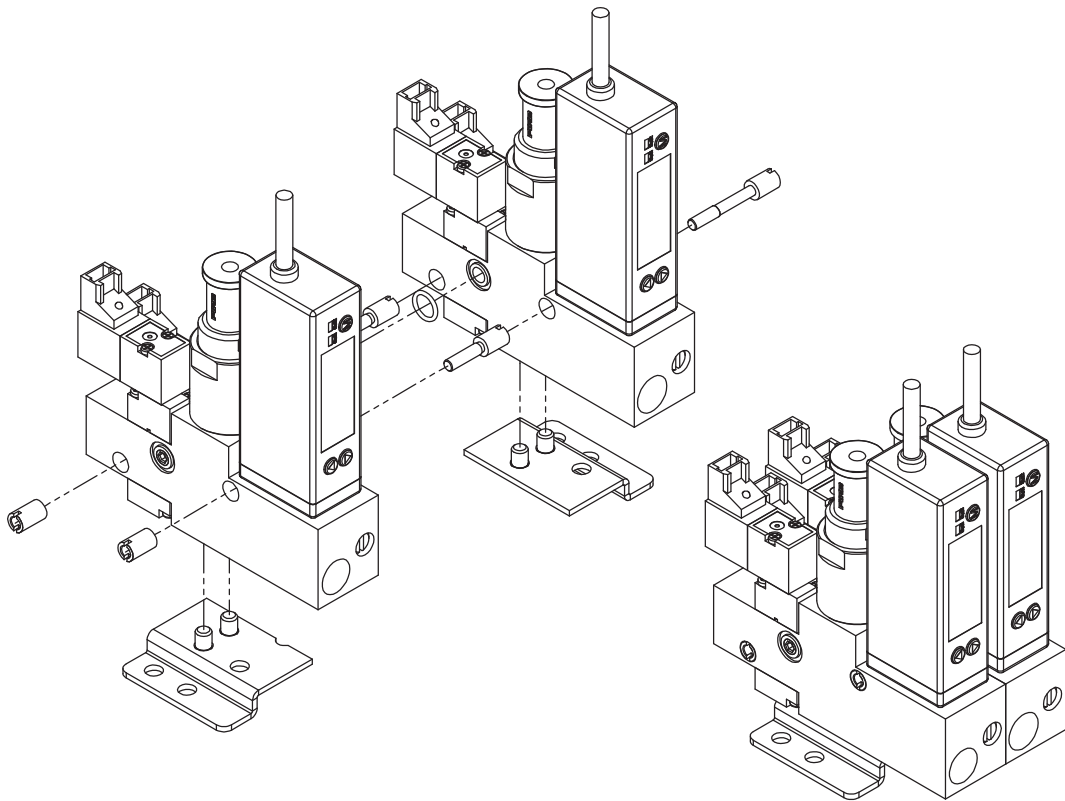
Item	High vacuum type
Working gas pressure [Mpa]	0.35 0.4 0.5
Maximum vacuum [-kpa]	84 88 88
Maximum vacuum flow [L/min]	39.6 40.2 40.2
Air consumption [L/min]	28.4 31.8 34.2

Vacuum Module VPN-20 Series

Dimension description



N	1	2	3	4	5	6	7	8	9	10
L1	39.0	59.0	79.0	99.0	119.0	139.0	159.0	179.0	199.0	219.0
L2	28.5	48.5	68.5	88.5	108.5	128.5	148.5	168.5	188.5	200.5



Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

Vacuum Module

Accessory Components

Vacuum Module VPD Series

Advantages

Integrated electric vacuum and blow-off control Can be adapted to all branches
Optimized performance for handling all types of objects
Reduced wiring and easy-to-use
Modular design thanks to the different options Light and compact
No clogging thanks to the through type silencer
Silent operation

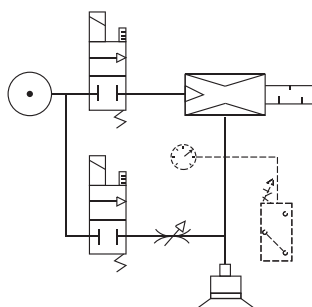
Characteristics

(PN)	(Model)	Ø Nozzle(mm)	Air consumed (Nl/min)	Max. vacuum(%)			Air drawn in(Nl/min)		
				X	T	N	X	T	N
1.Y05964	VPD-12	1.2	67	40	75	90	150	63	45
1.Y05965	VPD-15	1.5	100	50	75	90	180	95	70
1.Y05966	VPD-20	2	180	50	75	90	250	160	125

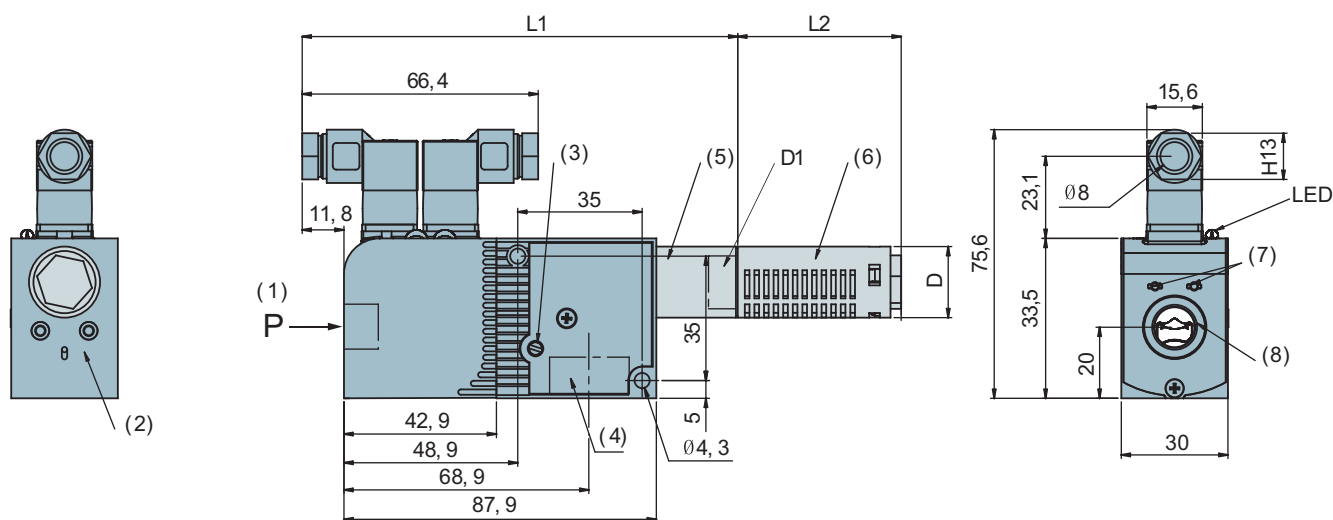
As standard, versions N and T are delivered with silencer S and version X with silencer K.
Only exception, the VPD 30 is fitted with silencer K.

Specifications

Supply	Non-lubricated filtered air, 2 to 6 bar
Optimum pressure	4 bar
Voltage	24V DC
Power	0.7 W
Material	POM - 2017A - Cu Zn - PA6 15% FG
Temperature	0 to 60°C / 32 to 140°F
Number of valve operations	10 million
Operating frequency	Maximum 2 Hz
Function	N.C. (N.O. on request)



Dimensions



- (1) 4 bar compressed air tank
- (2) Vacuum switch option mounting zone
- (3) Blow-off adjustment
- (4) Vacuum 1/2 Gas

- (5) Exhaust
- (6) Silencer model S or K
- (7) Manual controls
- (8) 1/4 Gas



PN	Model	L1 (mm)		L2 (mm)			D (mm)		D1 (gas)	
		X	N/T	S(N/T)	K(N/T)	K(X)	X	N/T	X	N/T
1.Y05964	VPD-12	118	123	46	68	121	30	20	1/2	1/4
1.Y05965	VPD-15	118	133	46	68	121	30	20	1/2	1/4
1.Y05966	VPD-20	118	118	62	121	121	30	30	1/2	1/2

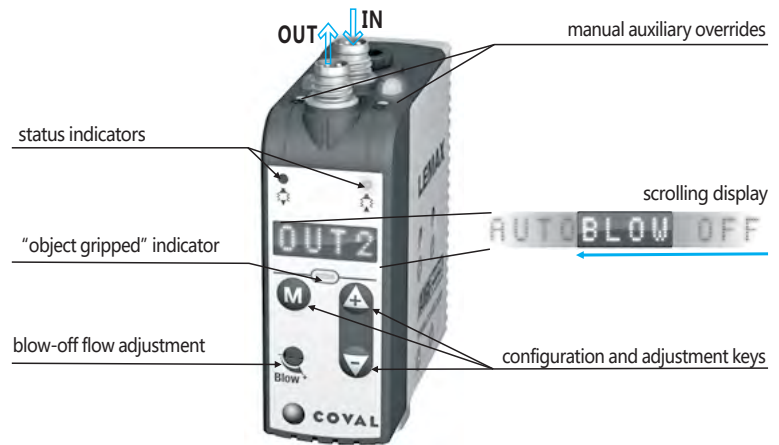
Vacuum Module VP-LEMAX & LCPX Series

Smart communication

The adjacent illustration presents the display panel which enables:

- Initial settings
- Any adjustments
- Production monitoring
- Maintenance

In particular, the "no ASC" alert, helps to start maintenance operations in order to return to "ASC" operation, which is especially energy saving.



Selection guide

Stand-alone or island modules?

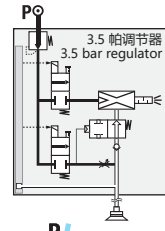
Stand-alone modules are suitable for the most common applications: one module controls one or more suction pads which all operate according to the same sequence. When several suction pads are operating according to different sequences, multiple modules are required, which can be:

- several autonomous modules, OR
- a group of these modules with an internal common pressure unit.

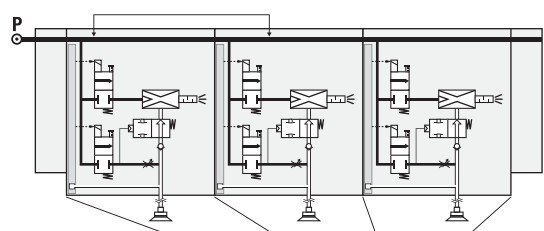
The illustrations opposite guide the selection:

- autonomous modules are coupled with integrated pressure regulators (see p. 9/8)
- in a group, the integrated regulator is eliminated: to maintain the advantage of economical and silent operation, it is recommended to reduce the group's common pressure supply pressure to 4 bar.

Network pressure: 4 to 8 bar



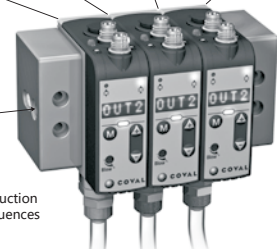
Common pressure unit



P optimal = 4 bar

(operation at 4-8 bar)

island of 3 modules supplying suction pads according to different sequences



PN	Model
1.Y05969	LEMAX90X14S
1.Y05970	LCPX90X14SL15PQ1

Power determined by the venturi nozzle diameter
The table shows the power levels generated by each of the nozzle diameters available: when the module is operating "ASC" off, a larger nozzle draws and consumes more compressed air.

On the other hand, during "ASC" operation, a large nozzle quickly reaches the vacuum threshold generating power shut-off.

In conclusion:

- A large nozzle enables quicker gripping without consuming more during "ASC" operation.
- A small nozzle does not consume less when operating with "ASC" off.

Selecting the nozzle diameter					
Ø nozzle	Venturi characteristics during "ASC" off operation		"ASC" operation gripping at 65% vacuum vacuum shutoff at 75% Time for a volume of 1L		
	air drawn in	air consumed	grip time (65% vacuum)	time to 75% vacuum	air consumed
1.4mm	70 NI/min	90 NI/min	0.99 s	1.38 s	2.2 NI



nozzle diameter



LEMAX

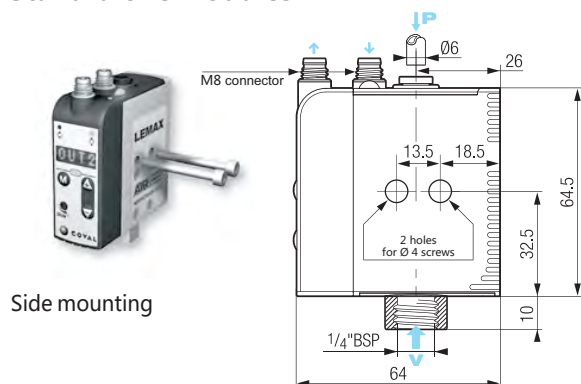


LCPX

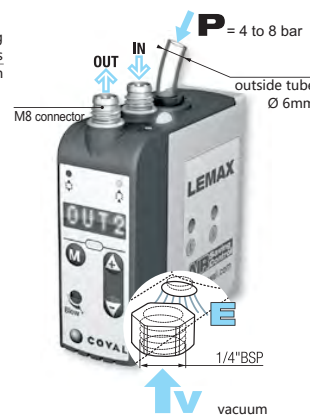
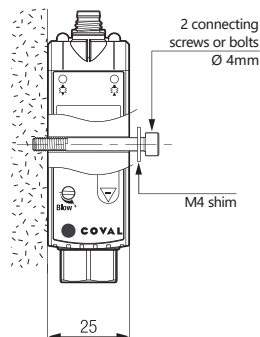
Vacuum Module VP-LEMAX & LCPX Series

Dimensions Mounting options

Stand-alone modules

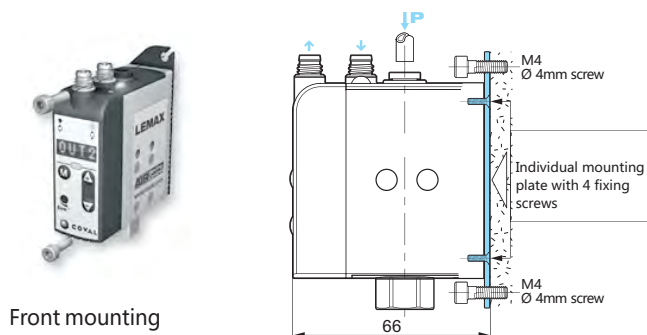


Side mounting

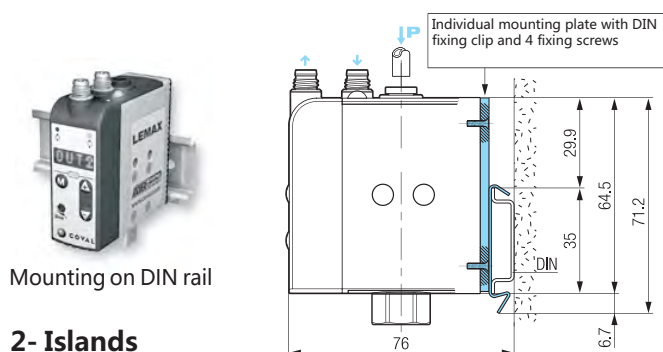
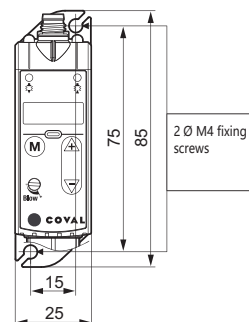


For front mounting, order the necessary kit, in addition to the module:

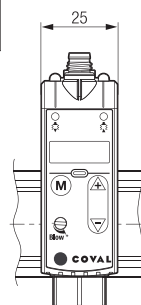
Front mounting kit:
1 plate + 4 screws



Front mounting



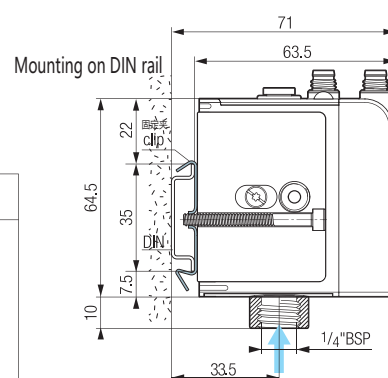
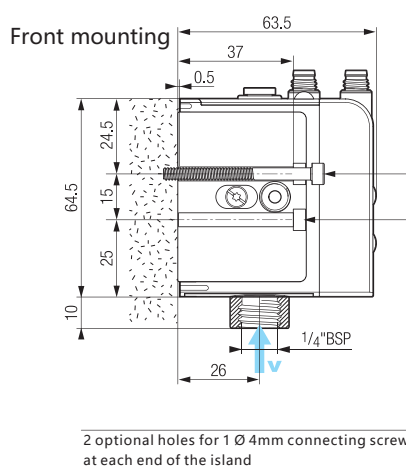
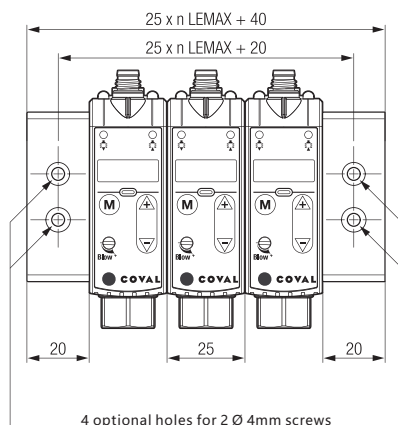
Mounting on DIN rail



A module can be clipped onto a DIN rail. For this purpose, the module must first be equipped with an individual DIN installation plate, ordered separately:

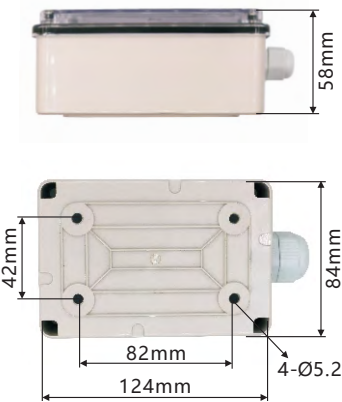
DIN rail mounting kit: 1 plate/clip + 4 screws

2- Islands

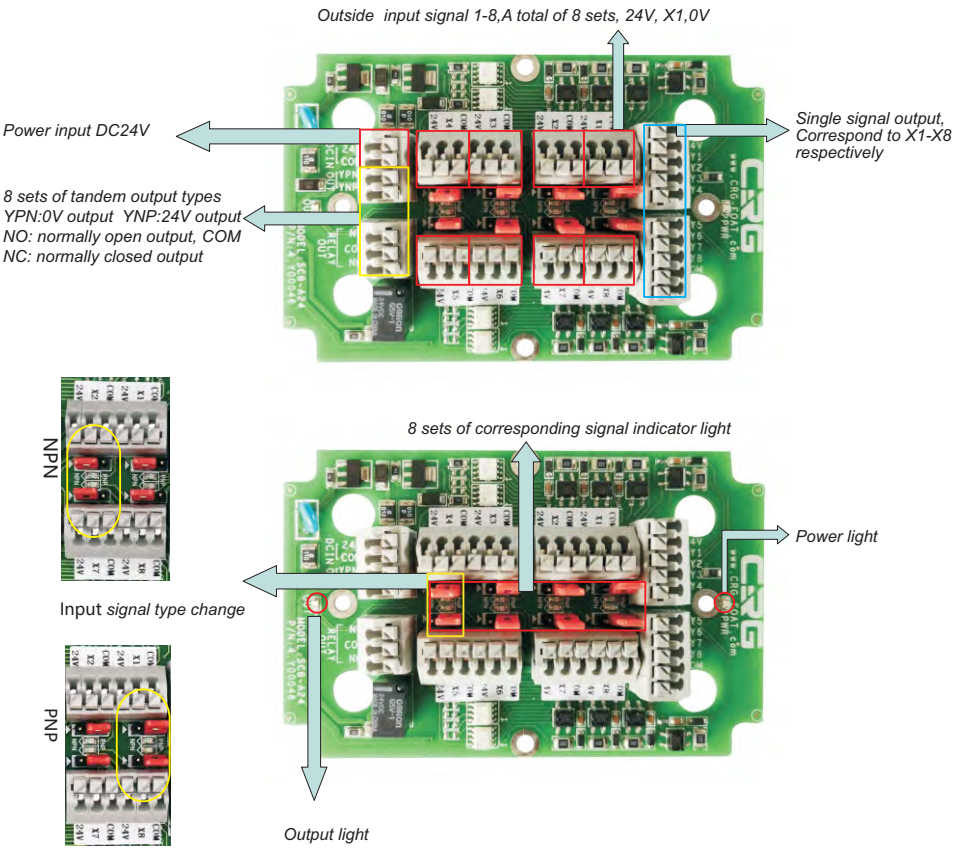


DIN rail mounting kit: 2 clips + 2 screws

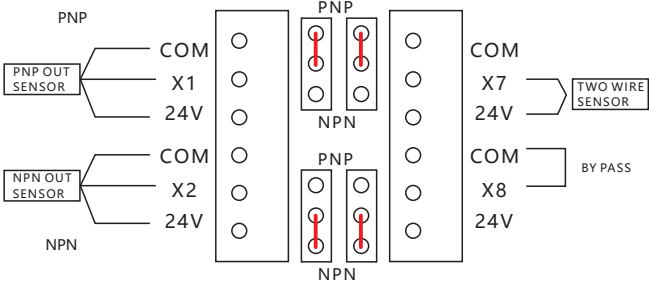
Structure description



PN	8.Y00087
Model	ASC-8A-B



Operation description



Electrical parameters

	Minimum	Recommend	Maximum	Unit
supply voltage	20	24	28	V
Value of effective current at input	5	7	10	mA
Transistor Output Maximum Load			100	mA
Relay Output Load Capability (Resistive Load)			0.5A@125VAC 1A@24VDC	
Maximum switching frequency		TBD		Hz

Function description

1. To solve the problem that the power supply of multiple sensors is not connected as one line, the problem of space occupation is cancelled. The maximum 8 groups can be used, and less than 8 groups need to be shorted.
2. Output types can be changed at present for NPN, PNP, NC, NO, and four output forms.
3. You can also crawl the signal individually, and grab the signal type for the actual type of sensor.
4. Observe the induction state of each inductor and the status of the output.
5. Types of sensors and output is not available, skipping type conversion, minus the replacement work of the sensor.

Junction box

Housing material: Nylon/Black

Coupling nut: Brass/Nickel

Contact carrier: TPU/Black

Pin: Brass/Gold

IP degree: IP67

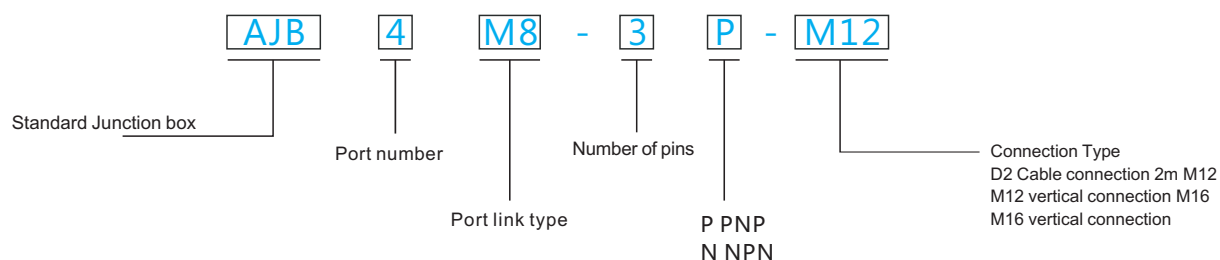
Load: 10~30VDC, 2 A/port, 6 A total, LED 10mA

Temperature range: -30...+80°C

Single channel PNP or NPN



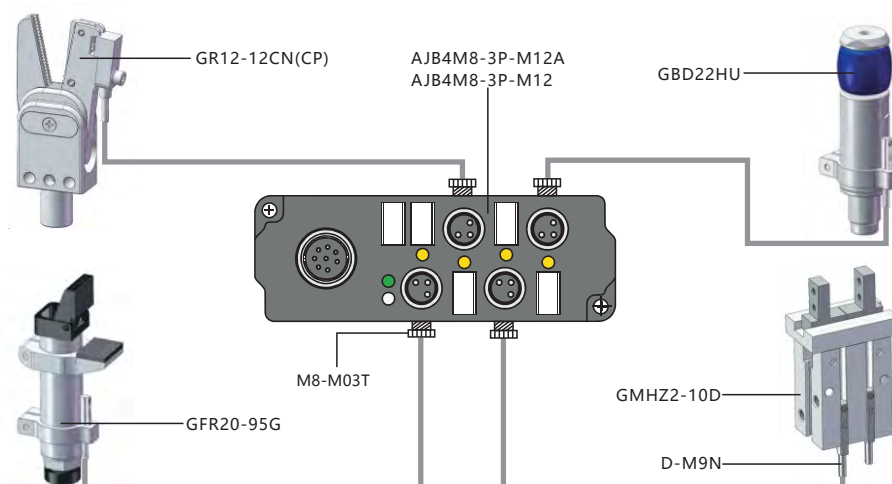
Model representation methods



PN	Model	Type	Weight
4.Y00487	AJB4M8-3P-M12	PNP	110g
4.Y00488	AJB4M8-3N-M12	NPN	110g
4.Y00491	AJB8M8-3P-M16	PNP	120g
4.Y00492	AJB8M8-3N-M16	NPN	120g
4.Y00495	AJB8M8-3P-D2	PNP	300g
4.Y00496	AJB8M8-3N-D2	NPN	300g

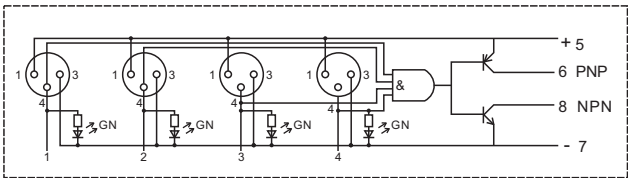
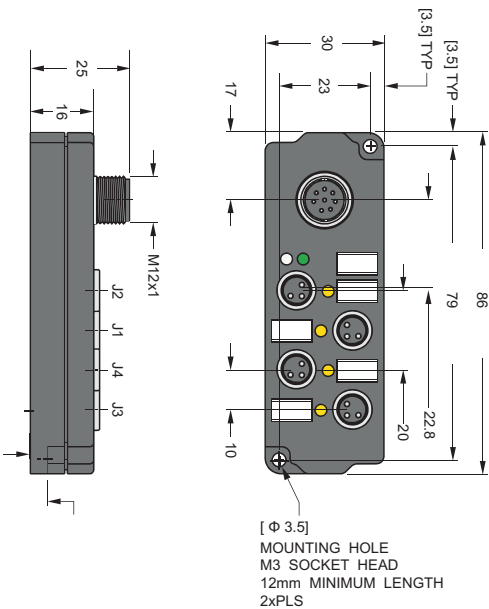
Application example

1. Single channel PNP or NPN
2. The four way input is effective at the same time, and outputs a set of signals to realize the output function of "and circuit".

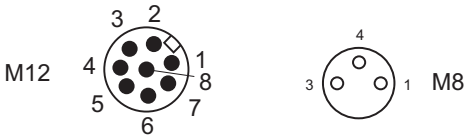


M8 4 ports Junction box

Housing material:Nylon/Black
Coupling nut:Brass/Nicket
Contact carrier:TPU/Black
Pin:Brass/Gold
IP degree:IP67
Load:10~30VDC,2 A/port, 6 A total,LED 10mA
Temperature range:-30...+80℃



AJB4M8-3P-M12



Joint



8 pins M12 Field wirable connector

PN	1.Y07461
Model	ELK8112-0/9

3 pins M8 Field wirable connector

PN	1.Y06722
Model	M8-M03T

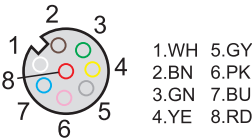


8 pins M12 pre-moulding Cable

货号(PN)	1.Y07462
型号(Model)	ELK8-2M/P00

Pinout

Female



PN	Model	Type	Weight
4.Y00487	AJB4M8-3P-M12	PNP	110g
4.Y00488	AJB4M8-3N-M12	NPN	110g

M8 8 ports Junction box

Housing material:Nylon/Black

Coupling nut:Brass/Nicket

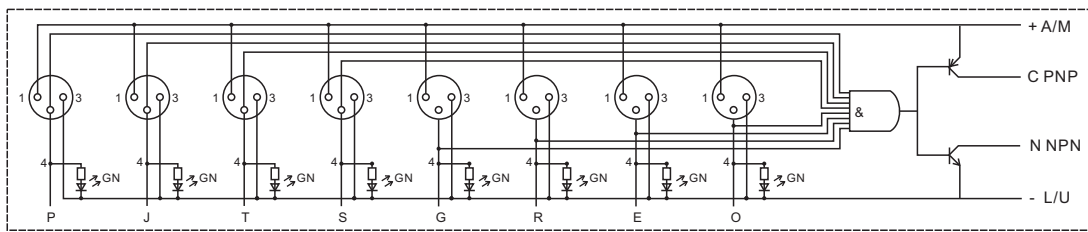
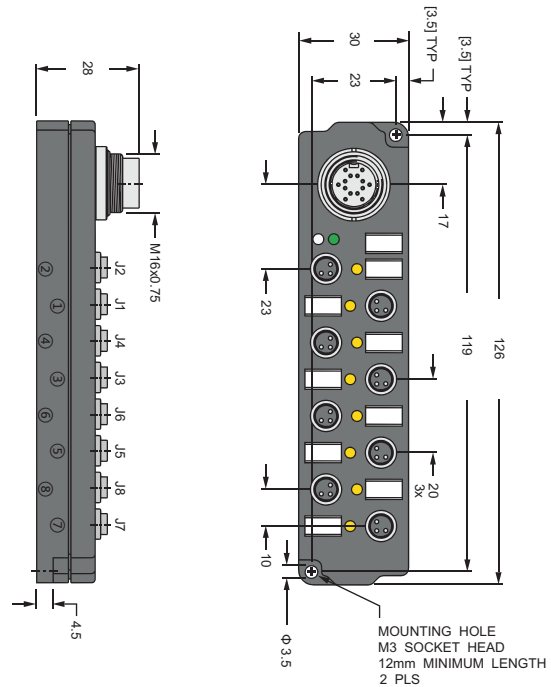
Contact carrier:TPU/Black

Pin:Brass/Gold

IP degree:IP67

Load:10~30VDC,2 A/port, 6 A total,LED 10mA

Temperature range:-30...+80°C



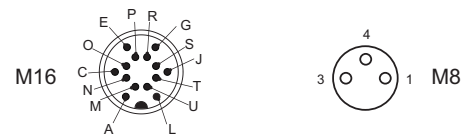
AJB8M8-3P-M16

Single channel PNP or NPN

1 signal per port

LED

M16 vertical connector



Joint



14 pins M16 pre-moulding Cable

PN	1.Y07463
Model	DNLK14-14-2M/P00



3 pins M8 Field wirable connector

PN	1.Y06722
Model	M8-M03T

Pinout

Female



A.BN	N.GY/BN
C.RD/BU	O.VT
E.BK	P.WH
G.PK	R.RD
J.GN	S.GY
L.BU	T.YE
M.OR	U.TN

PN	Model	Type	Weight
4.Y00491	AJB8M8-3P-M16	PNP	120g
4.Y00492	AJB8M8-3N-M16	NPN	120g

M8 8 ports Junction box

Housing material:Nylon/Black
Coupling nut:Brass/Nicket
Contact carrier:TPU/Black
Pin:Brass/Gold
IP degree:IP67
Load:10~30VDC,2 A/port, 6 A total,LED 10mA
Temperature range:-30...+80°C

Profile · SUS Tube

Stents Module

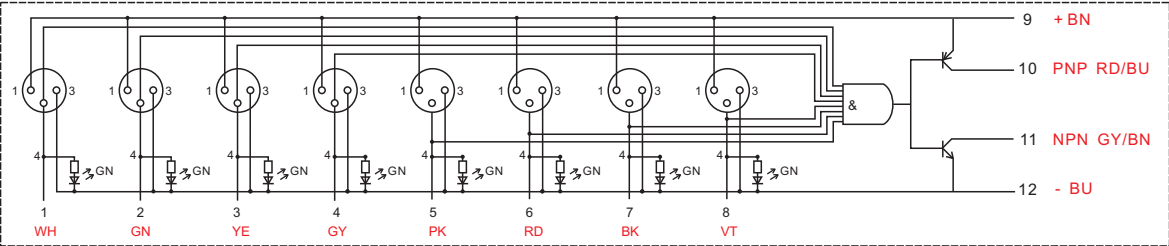
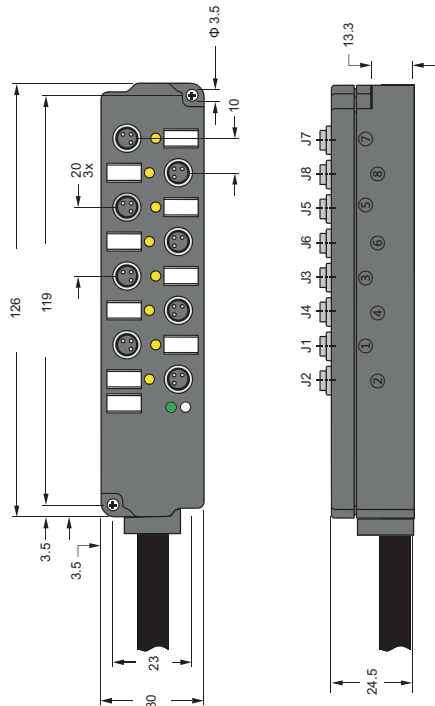
Quick Changer

Grip Module

Air Nipper

Vacuum Module

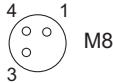
Accessory Components



AJB8M8-3P-D2

Joint

Single channel PNP or NPN
1 signal per port
LED
Black PVC wire with 10 cores in 2m



Singal Wire Cross-sectional Sketch Map



- 1.WH 7.BK
- 2.GN 8.VT
- 3.YE 9.BN
- 4.GY 10.BU
- 5.PK 11.RD/BU
- 6.RD 12.GY/BN

3 pins M8 Field wirable connector

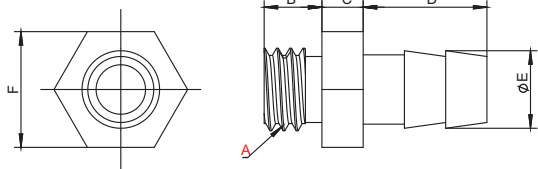
PN	1.Y06722
Model	M8-M03T

PN	Model	Type	Weight
4.Y00495	AJB8M8-3P-D2	PNP	300g
4.Y00496	AJB8M8-3N-D2	NPN	300g

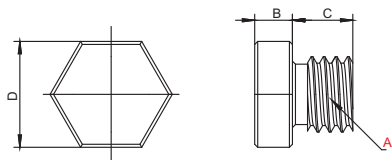
* The standard length is 2 meters, which can be customized.

Accessory Components

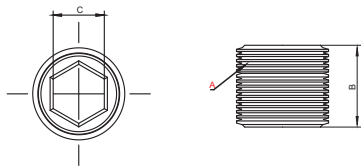
Connector



PN	Model	A	B	C	D	E	F	Weight
1.Y03145	APB-M3- Ø 4	M3	4	2	5.5	3.5	4.5	0.6g
1.Y05008	APB-M5- Ø 4	M5	5	2	6.5	3.5	7	1.4g
1.Y01986	APB-M5- Ø 6	M5	4.5	2.5	7	4.8	7	1.7g



PN	Model	A	B	C	D	Weight
1.Y06794	APF-M3	M3	2	3	4.9	0.5g
1.Y02510	APF-M5	M5	2.5	4.5	7	1.4g



PN	Model	A	B	C	Weight
1.Y00462	APF-G18	G1/8	8	5	3.0g
1.Y00463	APF-G14	1/4	9	6	6.2g

Profile - SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

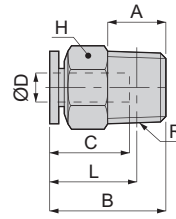
Vacuum Module

Accessory Components

Connector

APC series

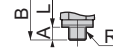
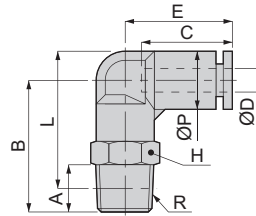
Straight Threaded Hose Fitting



PN	Model	ØD	R	A	B	L	C	H	Weight
1.Y03809	APC4-M5	4	M5 × 0.8	3	20	17	14.9	10	6.3g
1.Y02726	APC4-01		R1/8	8	21	17		10	8.3g
1.Y04049	APC4-02		R1/4	11		15		14	16g
1.Y03039	APC6-M5	6	M5 × 0.8	3	22.1	19.1	17	12	9.2g
1.Y02725	APC6-01		R1/8	8	22.6	18.6		14	9.3g
1.Y04048	APC6-02		R1/4	11	24.6	18.5			18g
1.Y05531	APC6-03		R3/8	12	23.6	17.2		17	28g
1.Y04537	APC8-01	8	R1/8	8	27.9	23.9	18.2	14	16g
1.Y05532	APC8-02		R1/4	11	26.6	20.6		17	24g
1.Y05533	APC8-03		R3/8	12	23.9	17.6			
1.Y05534	APC10-01	10	R1/8	8	30.3	26.3	20.7	17	24g
1.Y05535	APC10-02		R1/4	11	29.5	23.8			21g
1.Y05536	APC10-03		R3/8	12	29.3	23			27g

APL series

L-type Threaded Hose Fitting

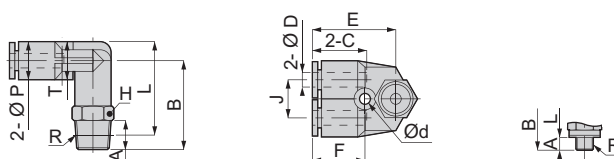


PN	Model	ØD	R	A	B	L	ØP	C	E	H	Weight
1.Y02724	APL4-M5	4	M5 × 0.8	3	20.3	22.3	10	14.9	18	10	8g
1.Y02810	APL4-01		R1/8	8	23.2	24.3				14	11g
1.Y03097	APL4-02		R1/4	11	26.3	25.3					21g
1.Y02809	APL6-M5	6	M5 × 0.8	3	22	25.3	12.5	16.8	19.8	12	13g
1.Y02722	APL6-01		R1/8	8	25	27.3				14	14g
1.Y03988	APL6-02		R1/4	11	28	28.2					22g
1.Y05539	APL6-03		R3/8	12	29.8	29.7				17	35g
1.Y02723	APL8-01	8	R1/8	8	28	31.3	14.5	18.1	22.7	14	19g
1.Y03812	APL8-02		R1/4	11	31	32.2				17	24g
1.Y05540	APL8-03		R3/8	12	32.8	33.7					37g
1.Y03096	APL10-01	10	R1/8	8	33	37.8	17.5	20.2	26.2	17	31g
1.Y05541	APL10-02		R1/4	11	36	38.7					34g
1.Y05542	APL10-03		R3/8	12	37	39.4					43g

Connector

APAX series

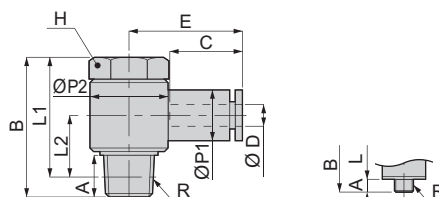
X-type Threaded Hose Fitting



PN	Model	ØD	R	A	B	L	ØP	C	J	E	H	Ød	F	T	Weight
1.Y05545	APAX4-M5	4	M5 × 0.8	3	21.7	23.7	10	14.9	11	22.7	10	3.2	14.2	10	12g
1.Y05546	APAX4-01		R1/8	8	24.7	25.7					14				15g
1.Y05547	APAX4-02		R1/4	11	27.7	26.7					14				24g
1.Y05548	APAX6-M5	6	M5 × 0.8	3	25	28.3	12.5	17	12	26.2	12	4.2	15.5	12.5	17g
1.Y05549	APAX6-01		R1/8	8	28	30.3					14				19g
1.Y05550	APAX6-02		R1/4	11	31	31.2					17				27g
1.Y05551	APAX6-03		R3/8	12	32.8	32.7					17				40g
1.Y05552	APAX8-01	8	R1/8	8	31	34.3	14.5	18.1	14	29.4	14	4.2	16.9	14.5	25g
1.Y05553	APAX8-02		R1/4	11	34	35.2					17				31g
1.Y05554	APAX8-03		R3/8	12	35.8	36.7					17				44g
1.Y05555	APAX10-01	10	R1/8	8	34	38.8	17.5	20.2	18	33.5	17	4.2	18.5	17.5	42g
1.Y05556	APAX10-02		R1/4	11	37	39.7					17				46g
1.Y05557	APAX10-03		R3/8	12	38	40.4					17				54g

APH series

Adjusting Directional Flow Threaded Hose Fitting



PN	Model	ØD	R	A	B	L1	L2	ØP1	ØP2	C	E	H	Weight
1.Y05560	APH4-M5	4	M5 × 0.8	3	17.2	14.2	6.2	10	9.8	14.9	21.2	8	7.5g
1.Y05561	APH4-01		R1/8	8	27	23	12		15.4		22.2	14	21g
1.Y05562	APH6-M5	6	M5 × 0.8	3	17.2	14.2	7.4	12.5	9.8	17	23.1	8	8.3g
1.Y05563	APH6-01		R1/8	8	27	23	12		15.4		24.2	14	22g
1.Y05564	APH6-02		R1/4	11	31.5	25.5	13.5		19.6		26.8	17	36g
1.Y05565	APH8-01	8	R1/8	8	27	23	12.3	14.5	15.4	18.1	26.2	14	23g
1.Y05566	APH8-02		R1/4	11	31.5	25.5	13.5		19.6		28.2	17	38g
1.Y05567	APH8-03		R3/8	12	36	29.7	15.7		24.4		30.2	21	60g
1.Y05568	APH10-02	10	R1/4	11	31.5	25.5	15	18	19.6	20.2	30.5	17	41g
1.Y05569	APH10-03		R3/8	12	36	29.7	15.7		24.4		32.5	21	63g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

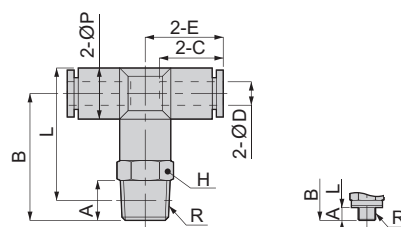
Vacuum Module

Accessory Components

Connector

APT series

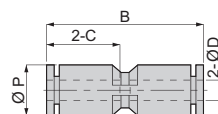
T-type Threaded Hose Fitting



PN	Model	ØD	R	A	B	L	ØP	C	E	H	Weight
1.Y05571	APT4-M5	4	M5 × 0.8	3	20.2	22.2	10	14.9	16.9	10	11g
1.Y05572	APT4-01		R1/8	8	23.2	24.2				14	14g
1.Y05573	APT4-02		R1/4	11	26.2	25.2				14	23g
1.Y05574	APT6-M5	6	M5 × 0.8	3	23	26.5	13	17	20.15	12	16g
1.Y05575	APT6-01		R1/8	8	26	28.5				14	18g
1.Y05576	APT6-02		R1/4	11	29	29.5				17	26g
1.Y05577	APT6-03		R3/8	12	30.8	31				17	39g
1.Y05578	APT8-01	8	R1/8	8	26.3	29.8	15	18.4	22.4	14	23g
1.Y05579	APT8-02		R1/4	11	29.3	30.8				17	29g
1.Y05580	APT8-03		R3/8	12	31.1	32.3				17	42g
1.Y05581	APT10-01	10	R1/8	8	33	37.8	17.5	20.2	25.2	17	38g
1.Y05582	APT10-02		R1/4	11	36	38.7				17	42g
1.Y05583	APT10-03		R3/8	12	37	39.4				17	50g

APU series

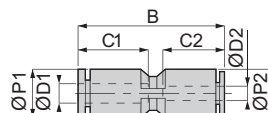
Straight Hose Fitting



PN	Model	ØD	B	ØP	C	Weight
1.Y05586	APU4	4	30.8	10	14.9	4.7g
1.Y05587	APU6	6	34.9	12.5	17	6.5g
1.Y05588	APU8	8	37.8	14.5	18.1	9.4g
1.Y05589	APU10	10	43.4	17.5	20.2	16g

APG series

Straight Converting Hose Fitting

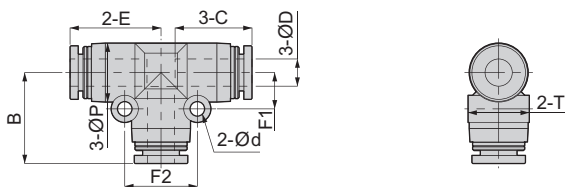


PN	Model	D1	D2	B	P1	P2	C1	C2	Weight
1.Y02813	APG6-4	6	4	34.4	12.5	12.5	17	14.9	6.4g
1.Y05591	APG8-4	8	4	36.6	14.5	10.7	18.1	14.9	7.2g
1.Y04086	APG8-6		6	37.9		14.5		17	8.8g
1.Y05592	APG10-6	10	6	39.8	17.5	13	20.2	17	12g
1.Y04087	APG10-8		8	43.1		17.5		18.4	14g

Connector

APE series

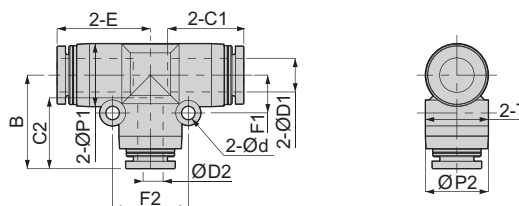
T-type Hose Fitting



PN	Model	ØD	ØP	C	E	Ød	T	F1	F2	B	Weight
1.Y02811	APE4	4	10	14.9	16.9	3.2	10	6.5	13	16.9	7.5g
1.Y02812	APE6	6	13	17	20.05	3.2	13.5	8	16	20.1	11g
1.Y05594	APE8	8	15	18.1	22.2	3.2	15	9	18	22.2	16g
1.Y05595	APE10	10	17.5	19.6	25.2	4.2	17.5	12	24	25.2	25g

APEG series

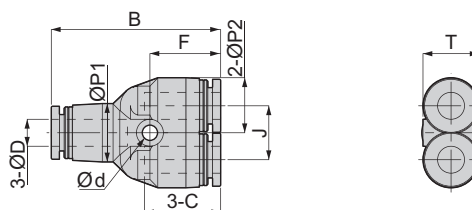
T-type Converting Hose Fitting



PN	Model	ØD1	ØD2	ØP1	ØP2	C1	C2	E	Ød	F1	F2	B	T	Weight
1.Y05597	APEG4-6	4	6	13	13	14.9	17	19.5	3.2	8	16	20.1	13.5	11g
1.Y05598	APEG6-4	6	4	13	13	17	14.9	20.05	3.2	8	16	19.5	13.5	11g
1.Y05599	APEG6-8		8	15	15		18.1	22.25		9	18	22.2	15.6	14g
1.Y05600	APEG8-4	8	4	14.5	12.5	18.1	14.9	22.2	3.2	9	18	21.7	15.1	14g
1.Y05601	APEG8-6		6				17					22.3		
1.Y05602	APEG8-10		10	17.5	17.5		20.2	24.9	4.2	12	24	25.2	17.5	22g
1.Y05603	APEG10-6	10	6	17.5	14.5	20.2	17	25.2	4.2	12	24	25	18.2	22g
1.Y05604	APEG10-8		8				18.1					24.9		
1.Y05605	APEG10-12		12	21	21		22.9	28.2		14	28	28.2	21.7	34g

APY series

Y-type Converting Hose Fitting



PN	Model	ØD	B	ØP1	ØP2	C	J	Ød	F	T	Weight
1.Y03810	APY4	4	32.8	10	10	14.9	11	3.4	14.1	10	7.6g
1.Y03662	APY6	6	37.7	13	12.5	17	12	3.4	15.8	13.5	11g
1.Y03095	APY8	8	42.4	15	14.5	18.1	14	3.4	17.2	14.5	16g
1.Y05608	APY10	10	48.4	18	18	20.7	18	4.5	19.5	18	26g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

Air Nipper

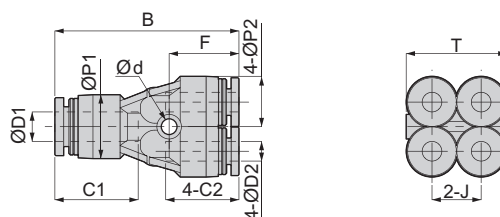
Vacuum Module

Accessory Components

Connector

APRG series

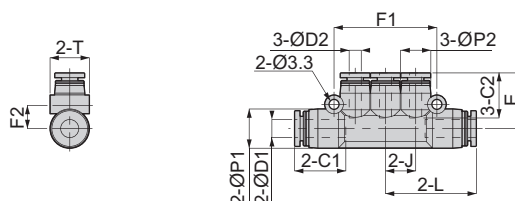
Distributary Converting Hose Fitting



PN	(Model)	ØD1	ØD2	B	ØP1	ØP2	C1	C2	J	Ød	F	T	Weight
1.Y05610	APRG6-4	6	4	37.5	13	10.5	17	14.9	10	3.2	14.2	20.5	14g
1.Y05611	APRG8-6	8	6	42	14	13	18.2	17	13	3.5	15.8	26	21g

APKG series

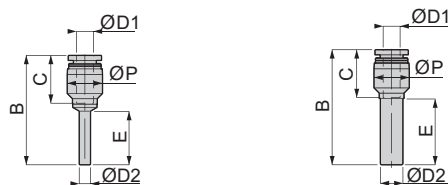
Distributary Converting Hose Fitting



PN	Model	ØD1	ØD2	L	E	J	ØP1	ØP2	C1	C2	F1	F2	T	Weight
1.Y05612	APKG6-4	6	4	30.05	18.4	10	13	10	17	14.9	34	8	13	16g
1.Y05613	APKG8-4	8	4	31.2	19.2	10	15	10	18.1	14.9	34	9.2	15	20g
1.Y05614	APKG8-6		6	34.7	21.3	12		13		17	40.2	9		23g
1.Y05615	APKG10-6	10	6	40	23.8	14	17.5	15	20.7	17	46.2	10.5	17.5	31g
1.Y05616	APKG10-8		8		23.7					18.1				33g

APGJ series

Direct-Thrust Type Converting Hose Fitting

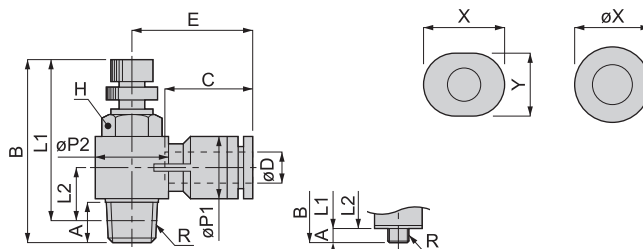


PN	Model	ØD1	ØD2	B	E	ØP	C	Weight
1.Y05617	APGJ4-6	6	4	38.8	19	12.5	17	3.5g
1.Y05618	APGJ6-4	4	6	37.7	22.3	10	14.9	2.9g
1.Y05619	APGJ6-8	8		43.2	22.5	14.5	18.1	5.3g
1.Y05620	APGJ8-4	4	8	40.2	23.3	12.5	14.9	3.8g
1.Y05621	APGJ8-6	6		40.8			17	4g
1.Y05622	APGJ8-10	10		46.5	23.5	17.5	20.2	8.7g
1.Y05623	APGJ8-1/4	1/4		40.8	23.3	12.5	17	4g

Connector

AJSC series

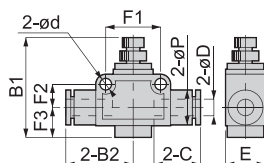
L-Shape throttle valve



PN	Model	ØD	R	A	B		L1		L2	ØP1	ØP2	C	E	H	X	Y	Weight
					max	min	max	min									
1.Y05866	AJSC4-M5	4	M5 × 0.8	2.9	29.7	27	26.8	24.1	6.7	8	9.8	11	15.4	8	9.8	7.8	7.2g
1.Y05867	AJSC4-01		R1/8	8	41.5	34.9	37.5	30.9	10.7		14.4		17.7	10		17g	
1.Y05868	AJSC6-M5	6	M5 × 0.8	2.9	29.7	27	26.8	24.1	7.5	10.5	9.8	11.6	17.5	8	11.8	9.8	7.9g
1.Y05869	AJSC6-01		R1/8	8	41.5	34.9	37.5	30.9	10.7		14.4		18.3	10		18g	
1.Y05870	AJSC6-02	8	R1/4	11.1	48.9	42.2	42.8	36.1	11.9	14.4	18.4	18.1	20.2	14	13.8	-	35g
1.Y05871	AJSC8-01		R1/8	8	41.5	34.9	37.5	30.9	11.9		14.4		26.9	10		21g	
1.Y05872	AJSC8-02	8	R1/4	11.1	48.9	42.2	42.8	36.1	13.2	14.4	18.4	18.1	28.4	14	13.8	-	38g

AJSUseries

Straight type of throttle valve



PN	Model	ØD	B1		B2	ØP	E	C	Ød	F1	F2	F3	Weight
			max	min									
1.Y05873	AJSU4	4	28.6	25.9	20.4	10.5	11	14.9	3.2	14	6.5	6.5	13g
1.Y05874	AJSU6	6	42.6	36.5	24.9	13	15	16.9	4.3	20	8.5	11	29g
1.Y05875	AJSU8	8	47.3	41.1	27.4	15	18	18.1	4.3	22	9.5	12	43g
1.Y05876	AJSU10	10	53.5	45.9	31.7	18	21	20.7	4.3	26	11	12	71g

Profile · SUS Tube

Stents Module

Quick Changer

Grip Module

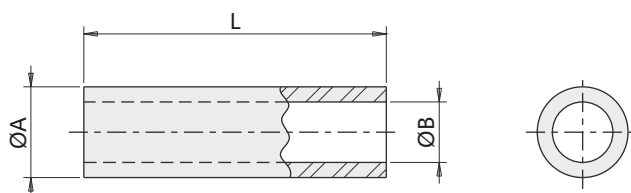
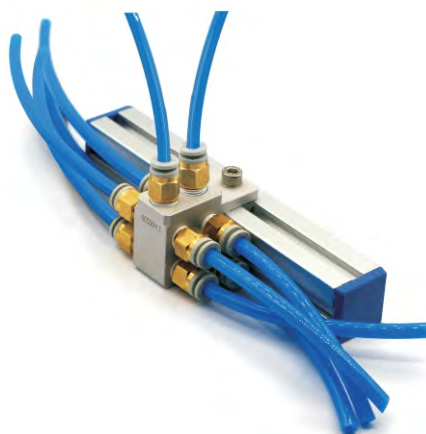
Air Nipper

Vacuum Module

Accessory Components

Hoses

Polyurethane hose for compressed air suitable for use with push-in fittings.



Technical characteristics

T = $-40^{\circ} \div +60^{\circ}\text{C}$
P = $-0.99 \div +10\text{bar}$

PN	Model	Colour	A [mm]	B [mm]	L [m]	Lm [g/m]
1.Y00824	AH4B	Black	4	2.5	100	10g
1.Y03687	AH4BU	Blue	4	2.5	100	10g
1.Y00823	AH4G	Green	4	2.5	100	10g
1.Y03686	AH4T	Transparent	4	2.5	100	10g
1.Y00821	AH4Y	Yellow	4	2.5	100	10g
1.Y00822	AH4R	Red	4	2.5	100	10g
1.Y05661	AH4O	Orange	4	2.5	100	10g
1.Y00830	AH6B	Black	6	4	100	19g
1.Y00829	AH6BU	Blue	6	4	100	19g
1.Y00825	AH6G	Green	6	4	100	19g
1.Y00827	AH6T	Transparent	6	4	100	19g
1.Y00828	AH6Y	Yellow	6	4	100	19g
1.Y00826	AH6R	Red	6	4	100	19g
1.Y04640	AH6O	Orange	6	4	100	19g
1.Y04478	AH8B	Black	8	6	100	38g
1.Y00831	AH8BU	Blue	8	6	100	38g
1.Y04476	AH10B	Black	10	8	100	58g
1.Y05660	AH10BU	Blue	10	8	100	58g

A Outer diameter

B Inner diameter

L Length

Lm Linear mass

P Operating pressure range

T Operating temperature range



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PST12-1500	4.Y00021	1
PST20-1500	4.Y00022	1
PAT20-1000	4.Y00468	1
PAT30-1000	4.Y00469	1
PEP1818-1000	4.Y00075	2
PEP2510-1000	4.Y00076	2
PEP2518-1000	4.Y00455	2
PEP2525-1000	4.Y00050	2
PEP2525-2000	4.Y00051	2
PEP5025-1000	4.Y00056	2
PEP5025-2000	4.Y00057	2
PEP4040-1000	4.Y00052	2
PEP4040-2000	4.Y00053	2
PEP-3636-1000	4.Y00054	2
PEP-3636-1500	4.Y00484	2
PEP-3636-2000	4.Y00055	2
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PTN-M5	7.Y00425	3
PTN-M6	7.Y00652	3
PTN-M4P8	7.Y00653	3
PTN-M5P10	7.Y00654	3
PTN-M5P15	7.Y00655	3
PTN-M5P17	7.Y00656	3
PTN-M5P22	7.Y00657	3
PTN-M5P25	7.Y00658	3
PTN-M5P28	7.Y00659	3
PTN-M5P30	7.Y00660	3
PTN-M5P35	7.Y00661	3
PTN-M5P40	7.Y00662	3
PTN-M5P50	7.Y00663	3
PTN-M5P60	7.Y00664	3
PTN-M5P90	7.Y00665	3
PTN-M5R	7.Y00805	3
PTC-M4L10	1.Y03908	4
PTC-M4L12	1.Y03848	4
PTC-M4L14	1.Y02752	4
PTC-M4L16	1.Y04073	4
PTC-M4L18	1.Y05846	4
PTC-M5L10	1.Y04294	4
PTC-M5L12	1.Y03850	4
PTC-M5L14	1.Y04528	4
PTC-M5L16	1.Y03849	4
PTC-M5L20	1.Y03909	4
PTC-M5L22	1.Y06257	4
PTC-M5L25	1.Y03851	4
PTC-M5L30	1.Y04469	4
PTC-M5L35	1.Y04580	4
PTC-M5L60	1.Y05391	4
PTC-M6L10	1.Y04288	4
PTC-M6L12	1.Y03910	4
PTC-M6L14	1.Y04153	4
PTC-M6L16	1.Y02753	4
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PTS-M5	1.Y03852	4
PTS-M6	1.Y03854	4
PTD-M4P8	4.Y00522	4
PTD-M5P10	4.Y00523	4
PTD-M5P15	4.Y00524	4
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SMBB-2525	7.Y00012	11
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SMBB-2550	7.Y00340	11
SMBB-3030	7.Y00163	11
SMBC-1025	7.Y00296	12
SMBC-1432	7.Y00297	12
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