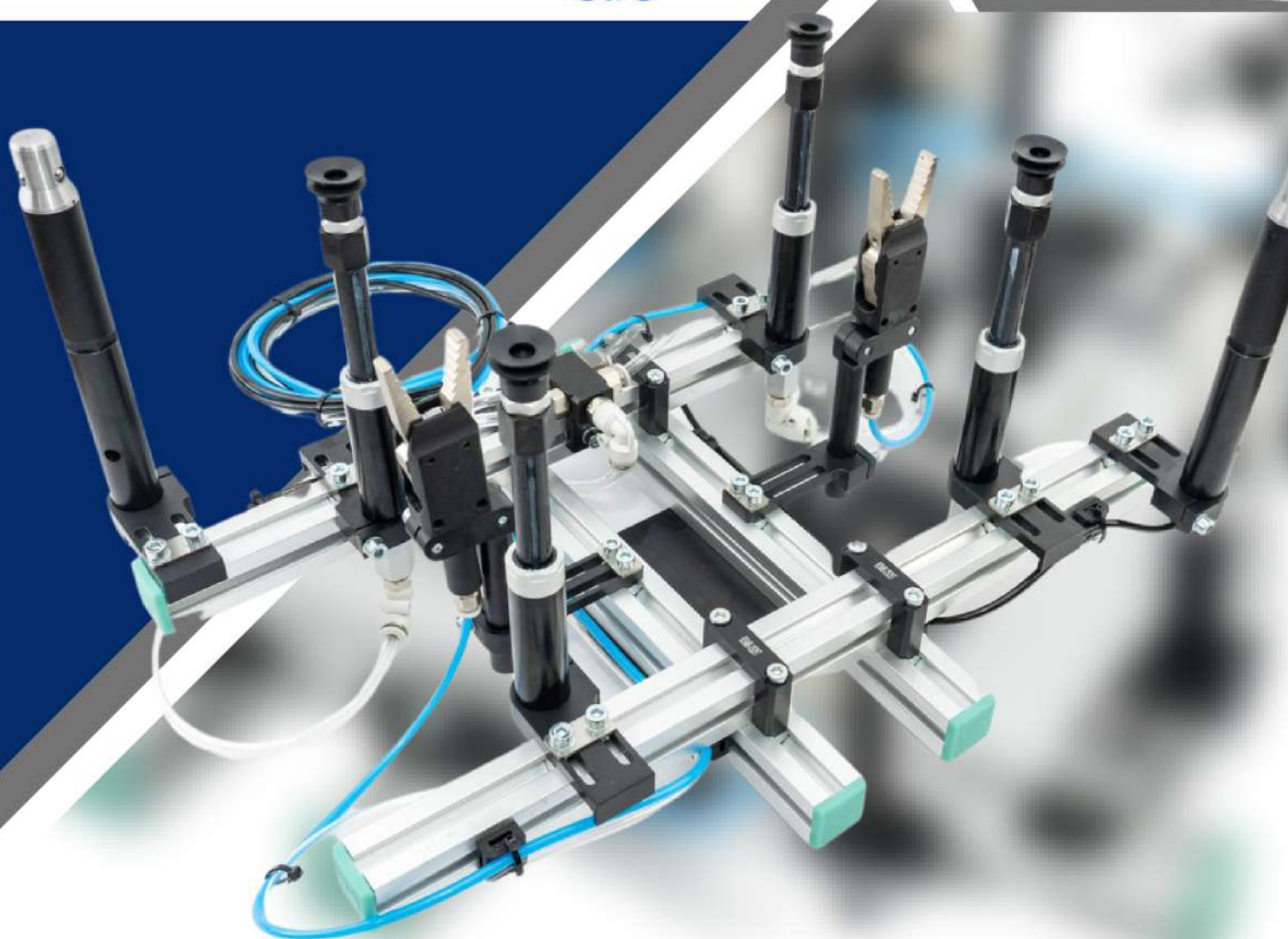




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EOAT'S TOOLING COMPONENTS

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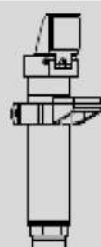
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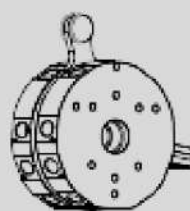
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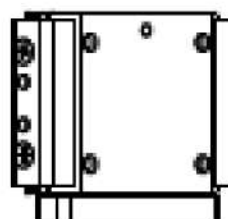
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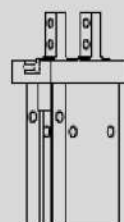
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Quick changer
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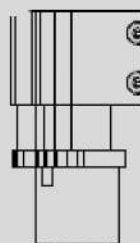
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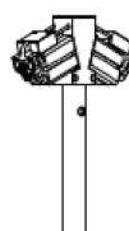
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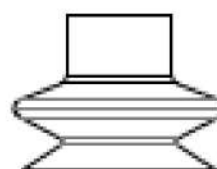
Needle Gripper
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Stem suction
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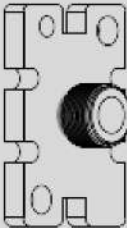
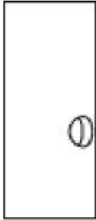
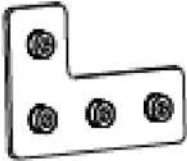
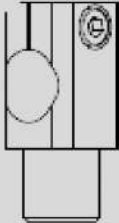
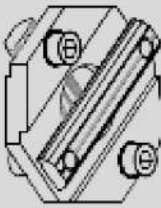
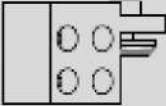
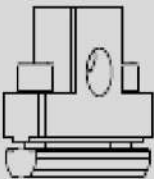
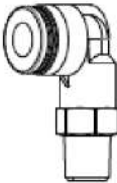
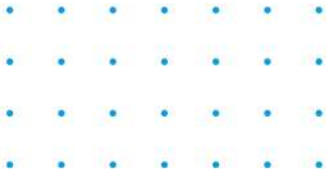
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Vacuum cup

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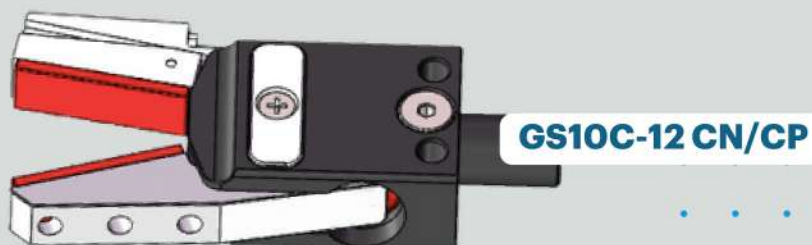
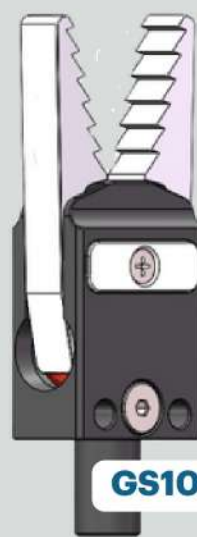
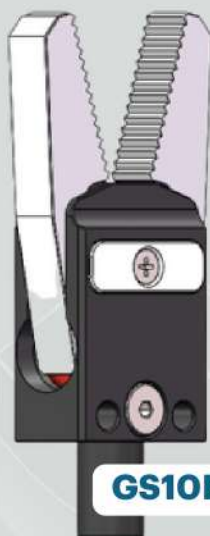
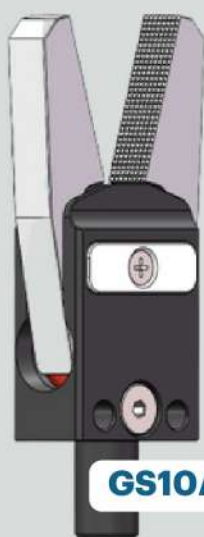
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SERIES GS10

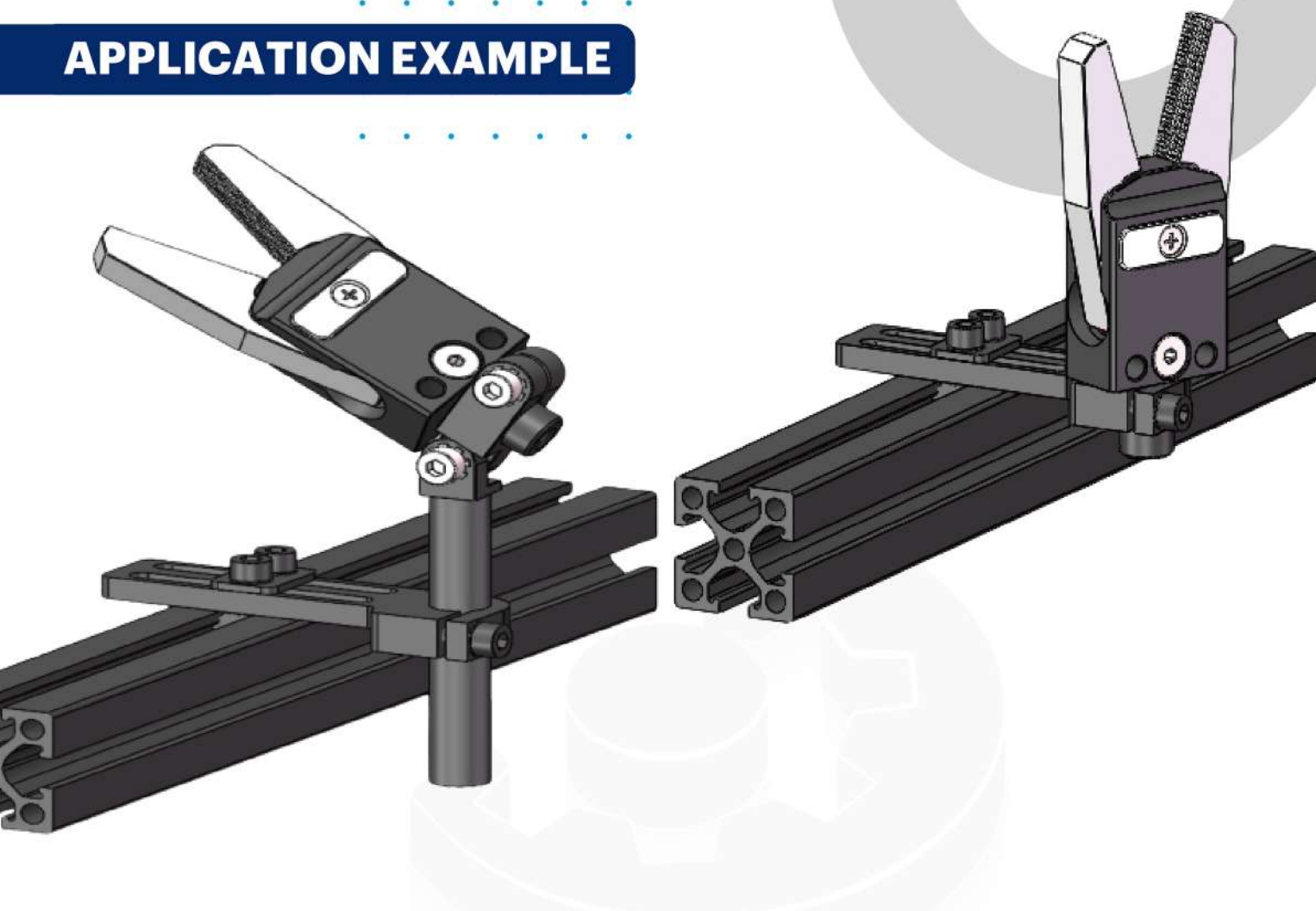
2-jaw-non- selfcentering
angular pneumatic sprue
gripper

MODEL SECTION

Standard type **GS 10 A - 12 - CN** Sensor type **CN: NPN**
CP: PNP
 Dimension Jaw Type Bore



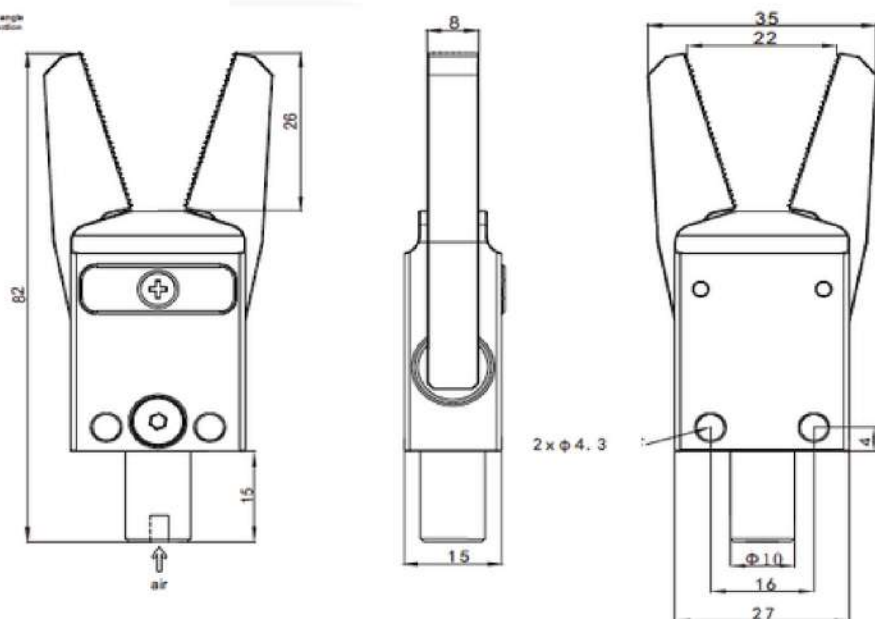
APPLICATION EXAMPLE



GS10A-12

Piston bore: 12mm
Aluminium jaws

Single acting



Medium	Compressed air	Cicle air consumption	1.2cm ³
Pressure range	2.5-8bar	Closing time without load	0.01s
Temperature range	5°-60°	Closing gripping torque	80N/cm
Stroke	2x16°	Opening gripping torque	5N/cm
Maximum working frequency	3Hz	Weight	53g
		Air inlet	M5

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

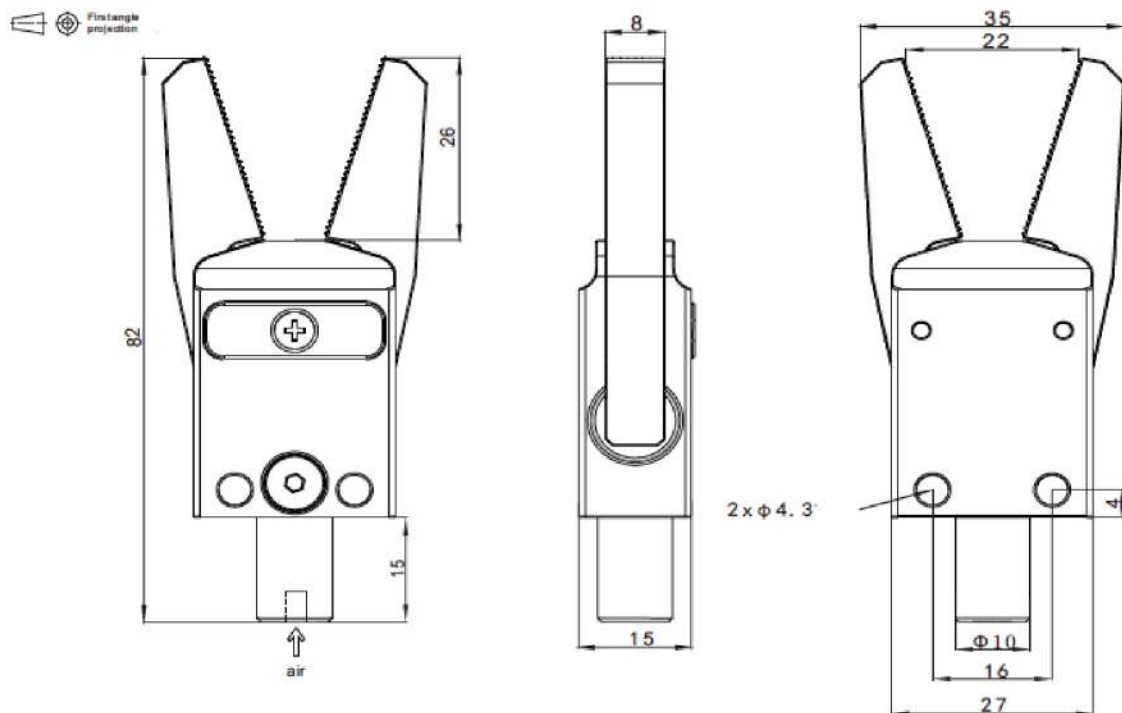


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	60g
Air inlet	M5



GS10B-12

Piston bore: 12mm Single acting
Aluminium jaws

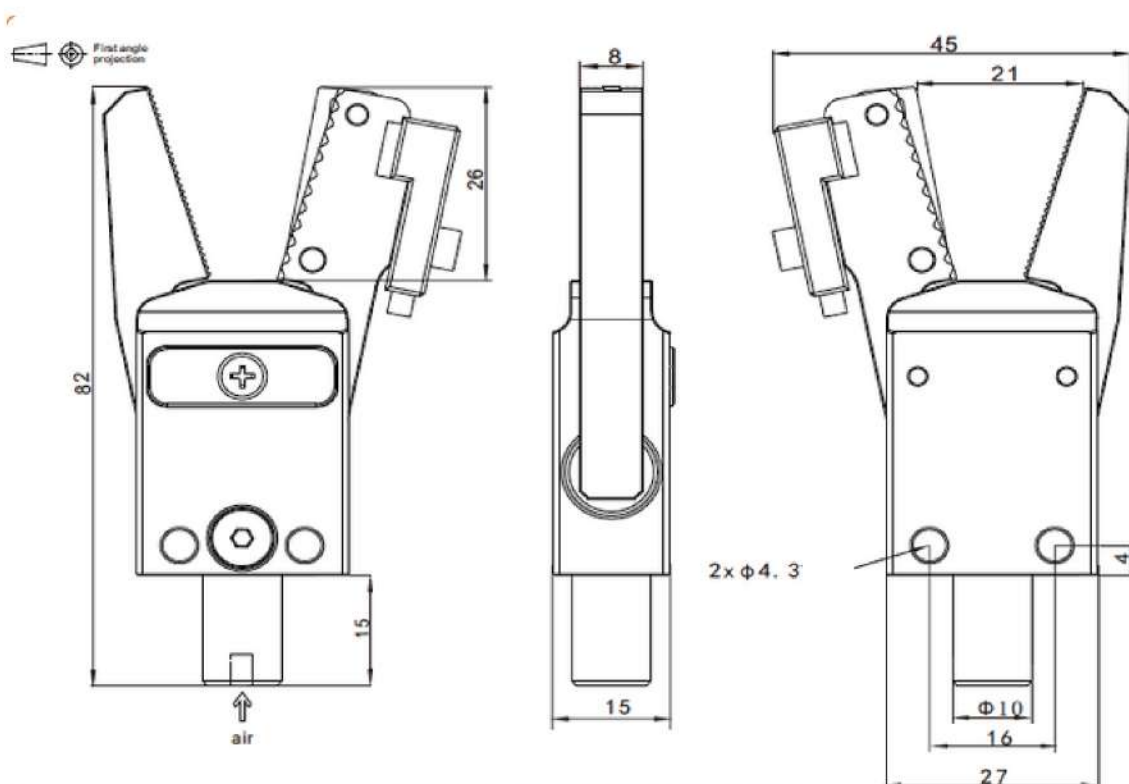


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	50g
Air inlet	M5

GS10B-12-CN / GS10B-12-CP

Piston bore: 12mm
Aluminium jaws

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

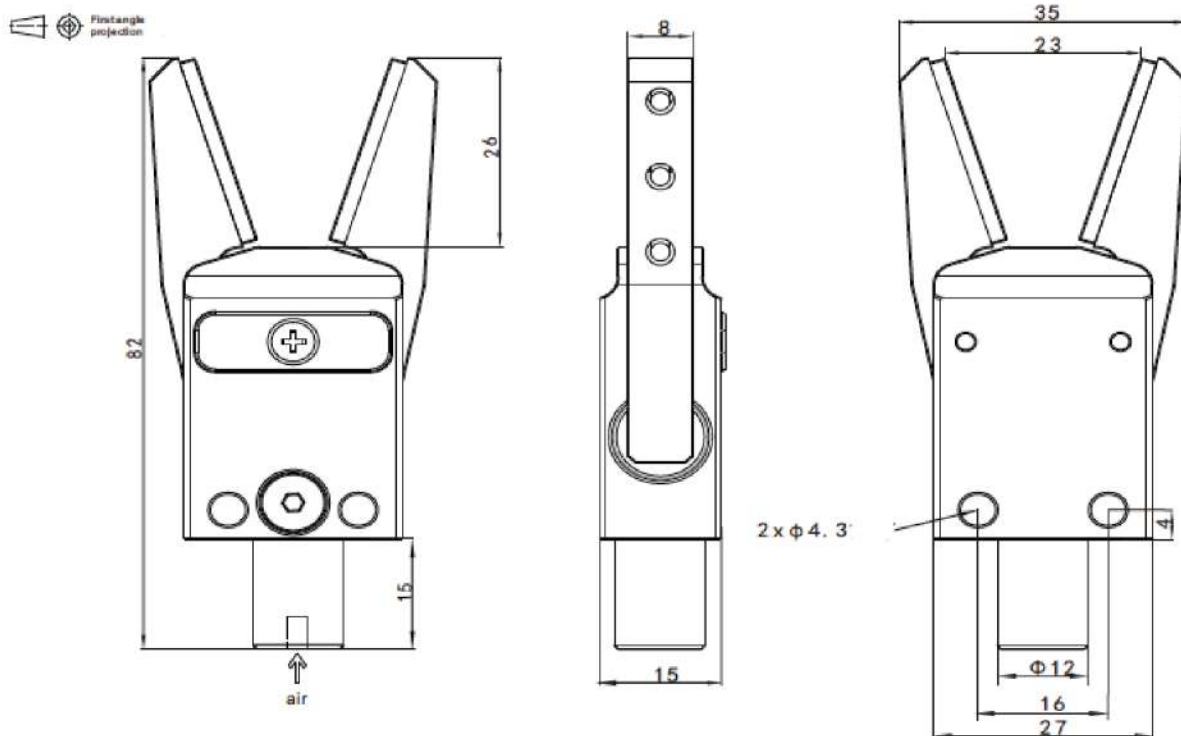


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	58g
Air inlet	M5

GS12C-12

Piston bore: 12mm
Aluminium jaws

Single acting
Silicon pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	48g
Air inlet	M5

CONTAMOS CON SERVICIO INTERNACIONAL



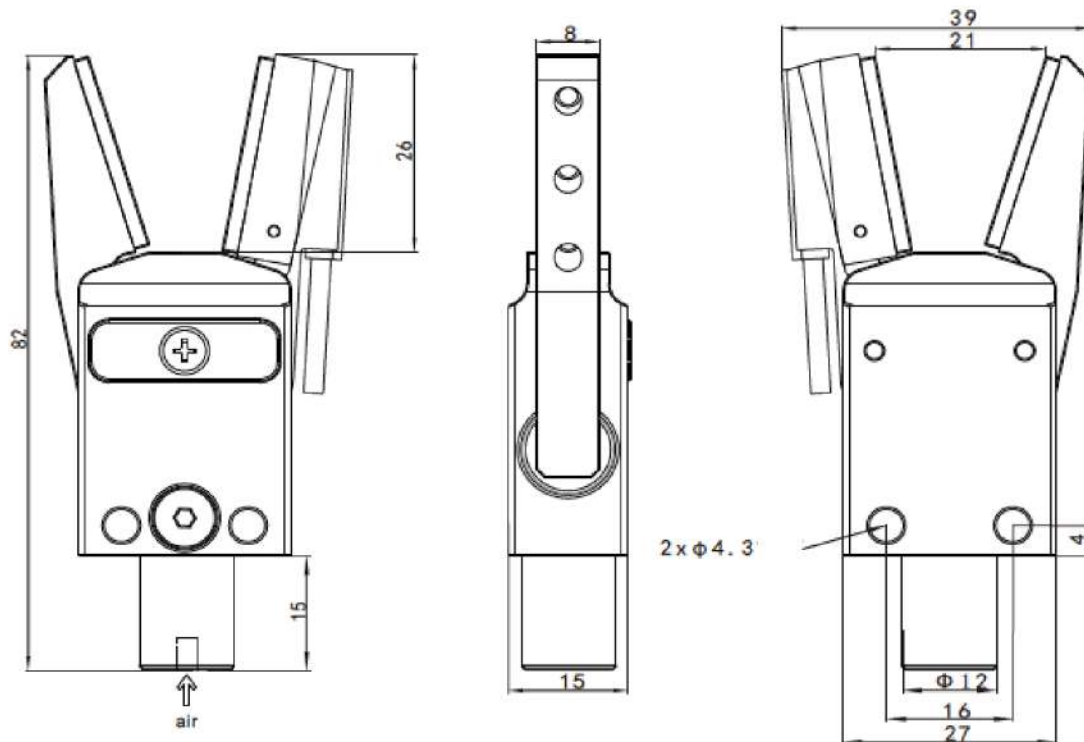
www.devol.mx

VENTAS: OMAR GARCÍA M.
Cel: 222 350 50 54 ventas@devol.mx
Av. Independencia 1811 San Pedro Cholula, Puebla.

GS12C-12-CN / GS12C-12-CP

Piston bore: 12mm
Aluminium jaws
Silicone pads

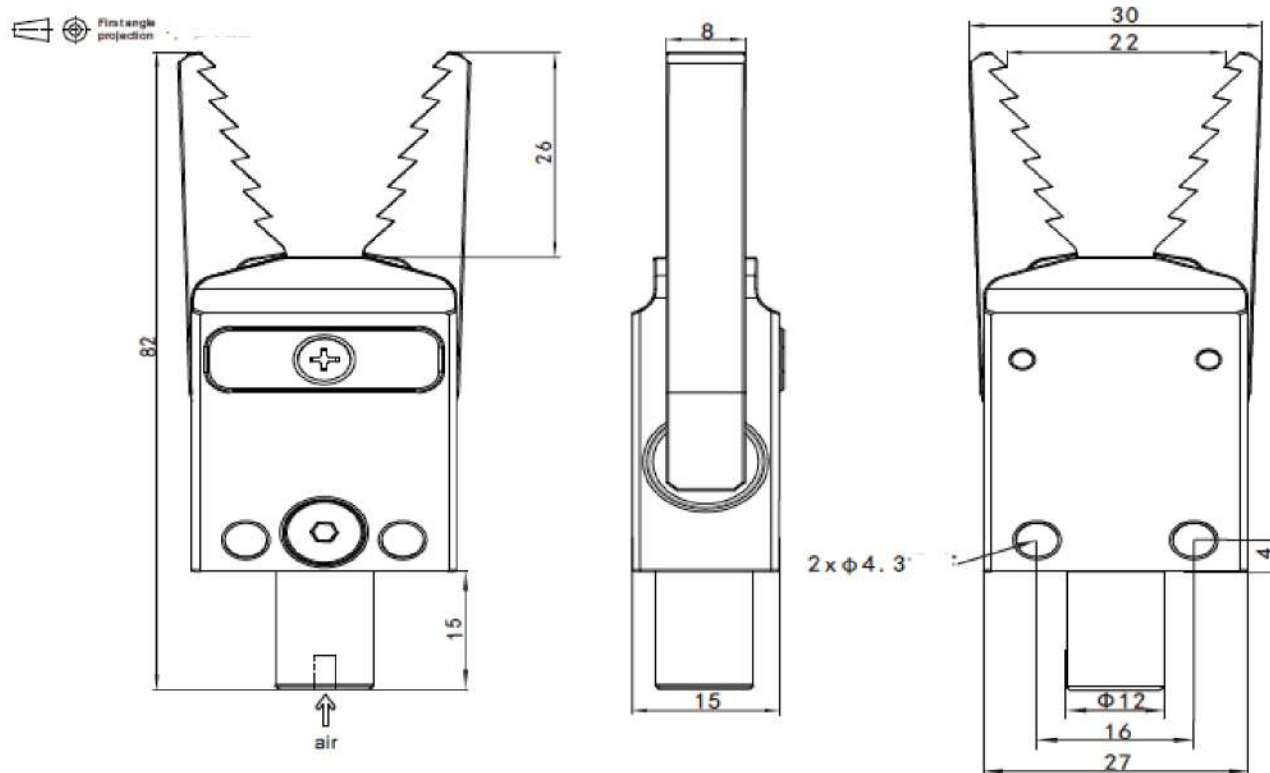
Sensor
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



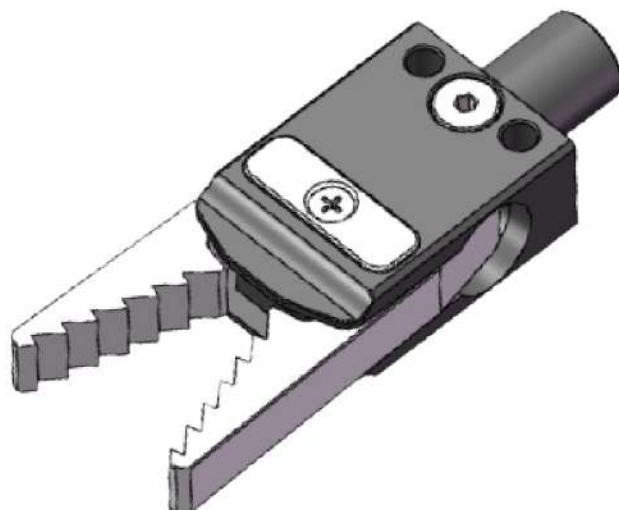
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	60g
Air inlet	M5

GS12D-12

Piston bore: 12mm Single acting
Steel jaws

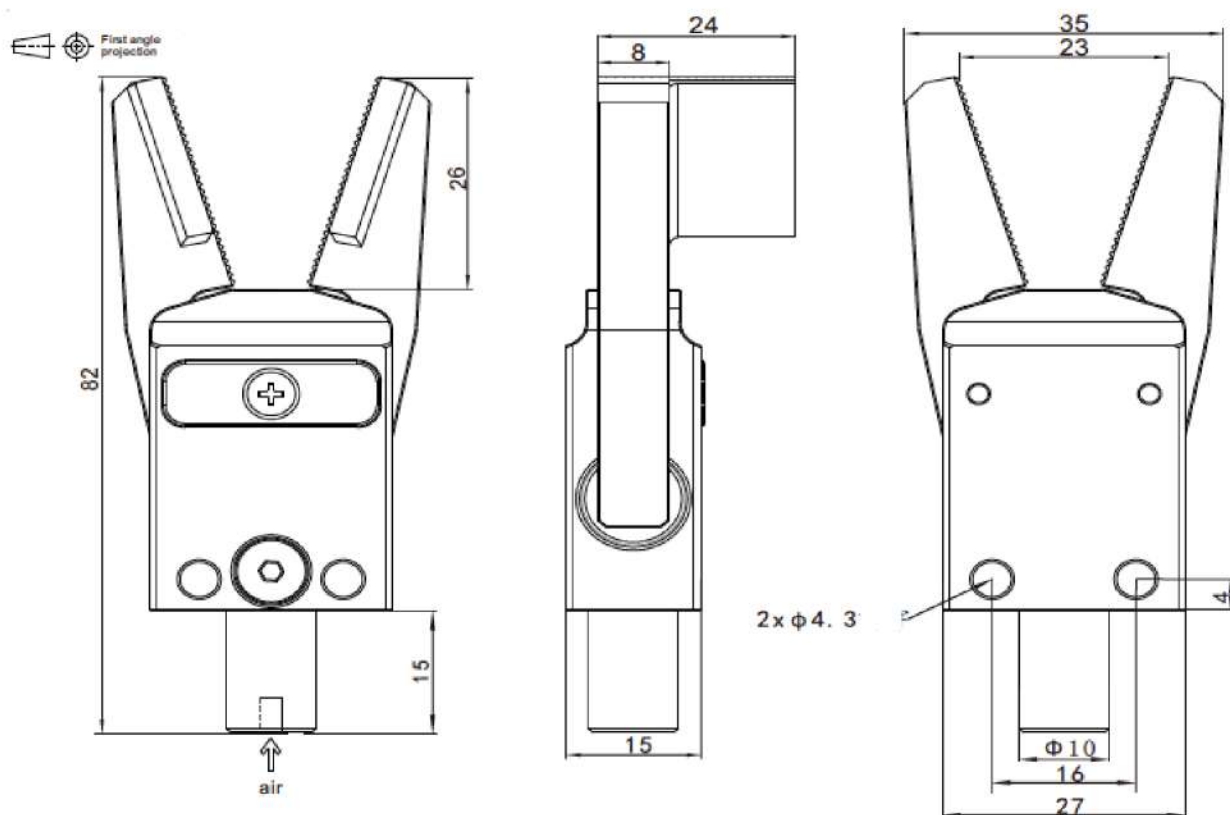


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	76g
Air inlet	M5



GS12E-12

Piston bore: 12mm Single acting
Aluminium jaws

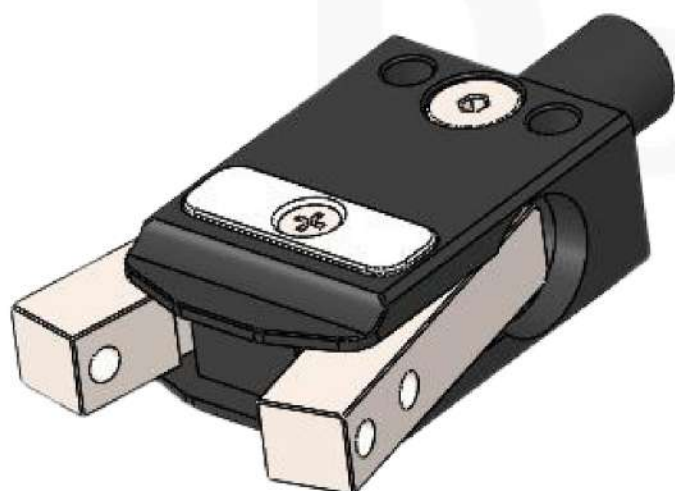
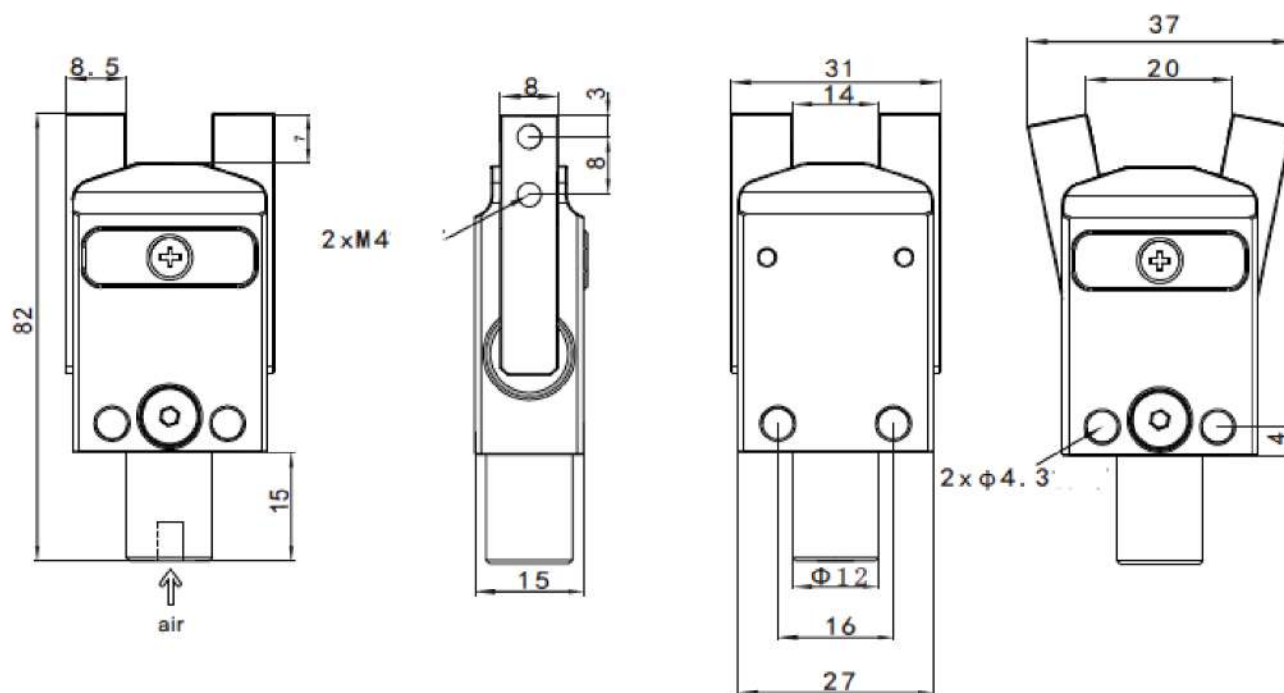


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	56g
Air inlet	M5

GS12F-12

Piston bore: 12mm
Steel jaws
Single acting

Custom jaws



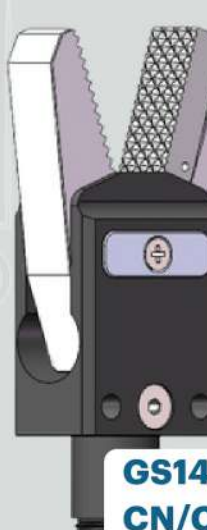
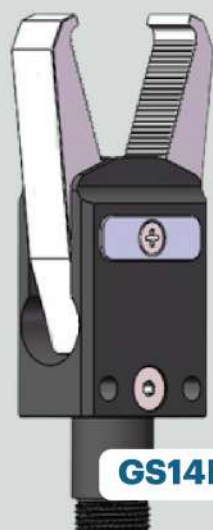
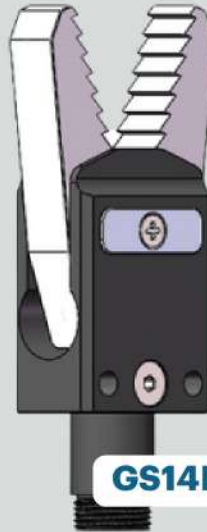
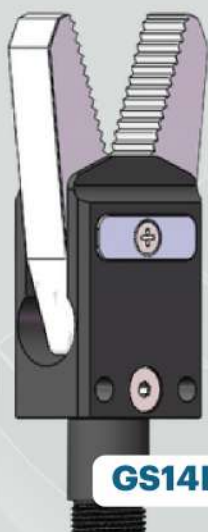
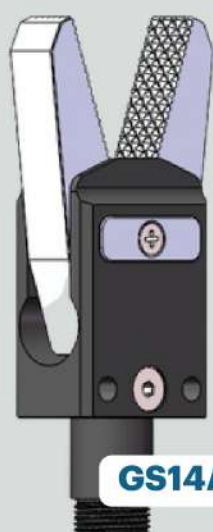
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.2cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	46g
Air inlet	M5

SERIES GS14

2-jaw-non- selfcentering
angular pneumatic sprue
gripper

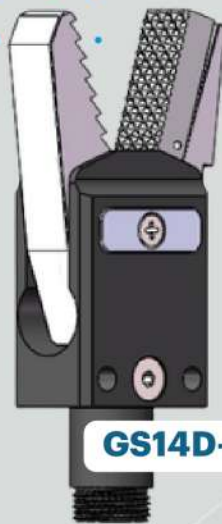
MODEL SECTION

Standard type **GS 14 A - 14 - CN** Sensor type **CN: NPN**
CP: PNP
 Dimension Jaw Type Bore

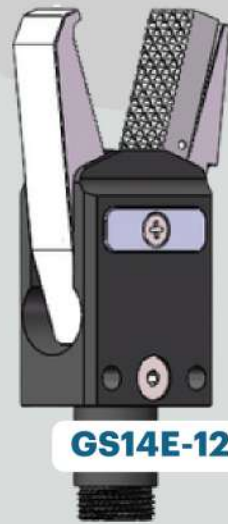




GS14C-12 CN/CP

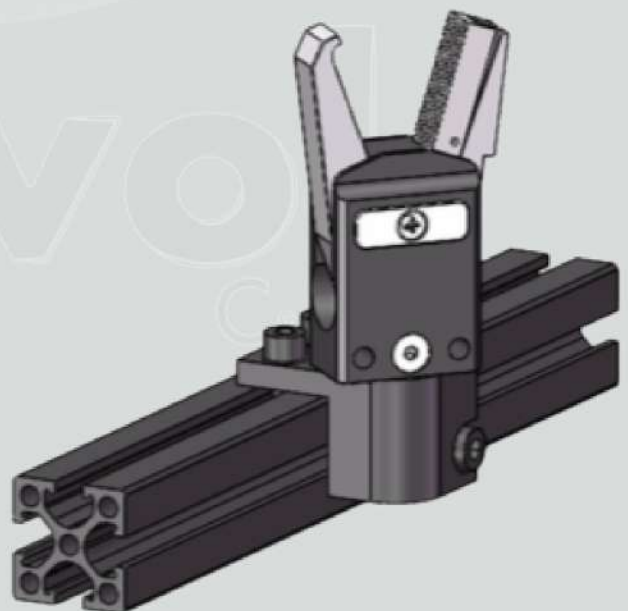
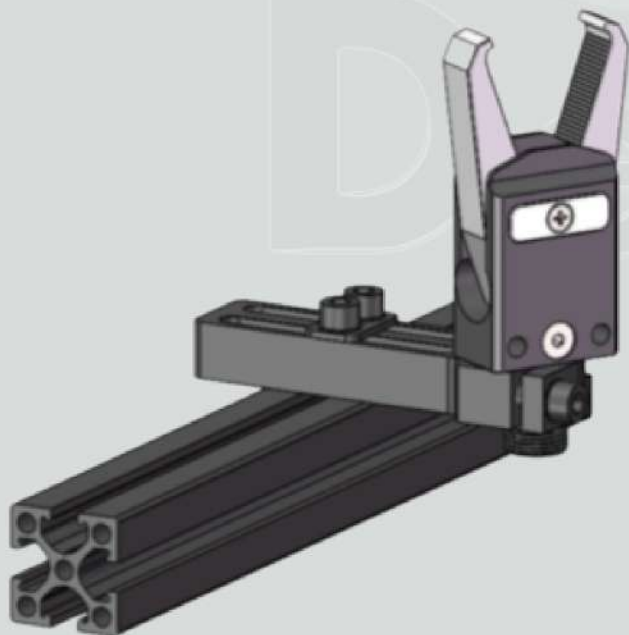


GS14D-12 CN/CP



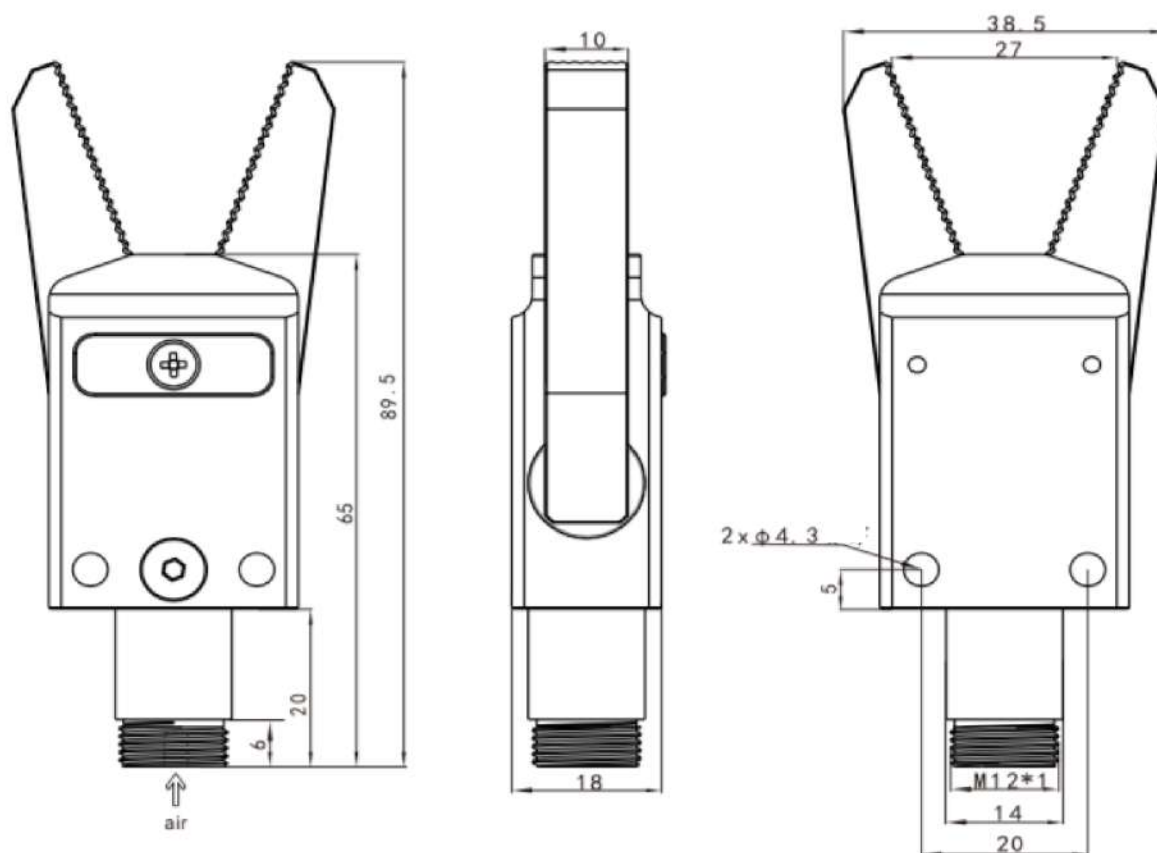
GS14E-12 CN/CP

APPLICATION EXAMPLE



GS14A-14

Piston bore: 14mm Single acting
Aluminium jaws

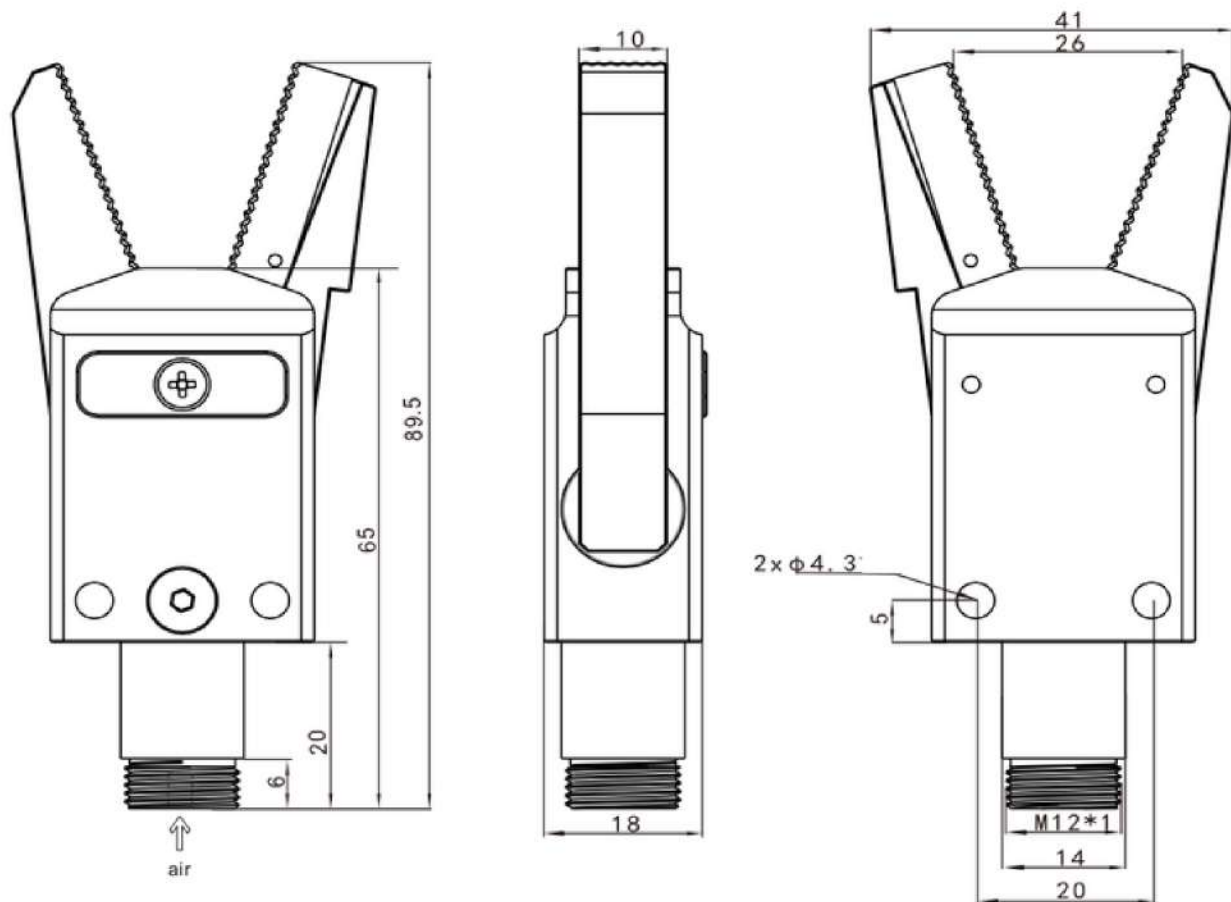


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14A-14-CN / GS14A-14-CP

Piston bore: 14mm
Aluminium jaws

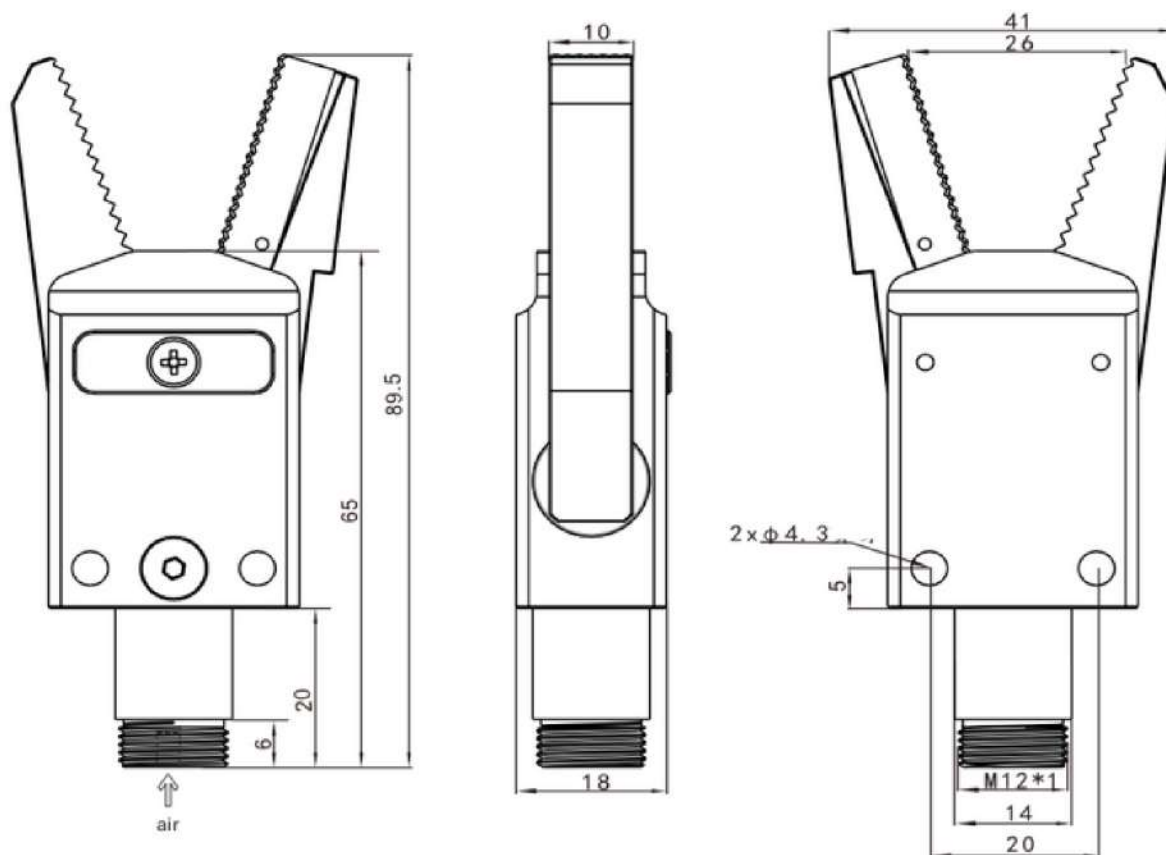
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	80g
Air inlet	M5

GS14B-14

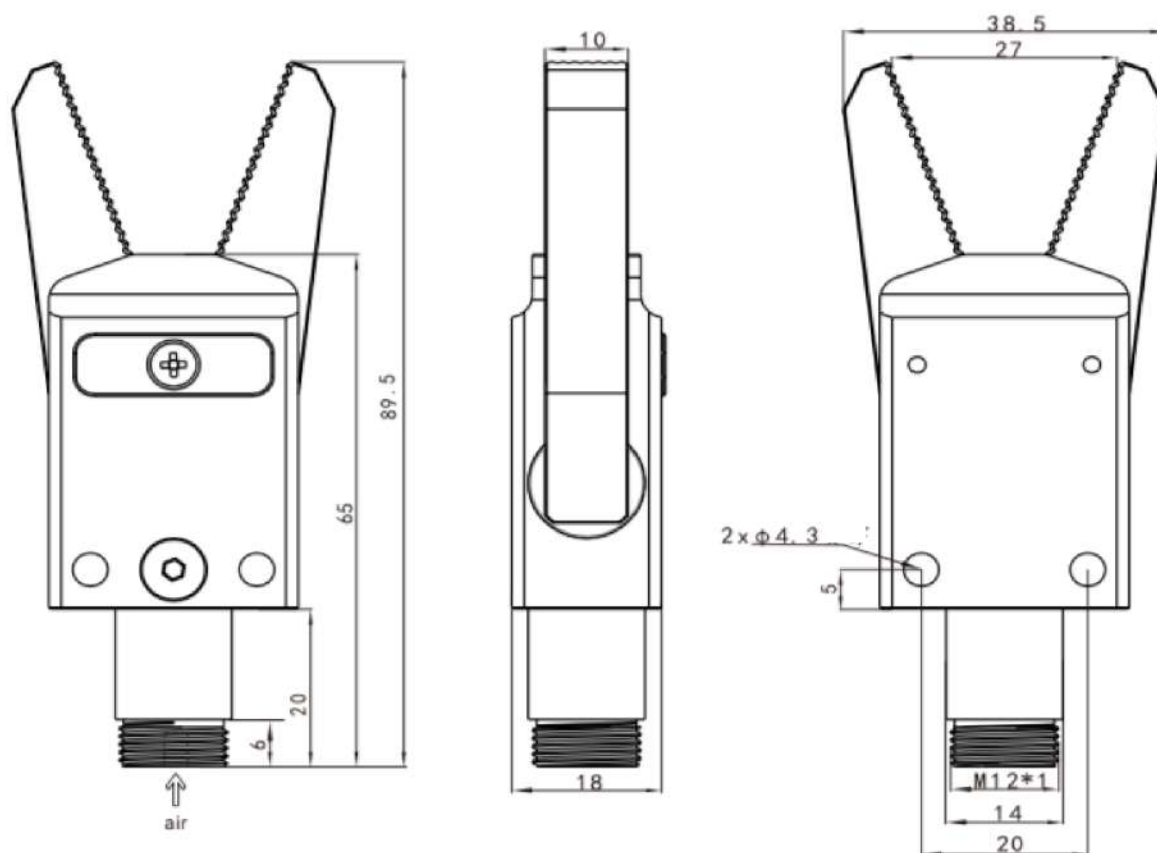
Piston bore: 14mm Single acting
Aluminium jaws



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14A-14

Piston bore: 14mm Single acting
Aluminium jaws

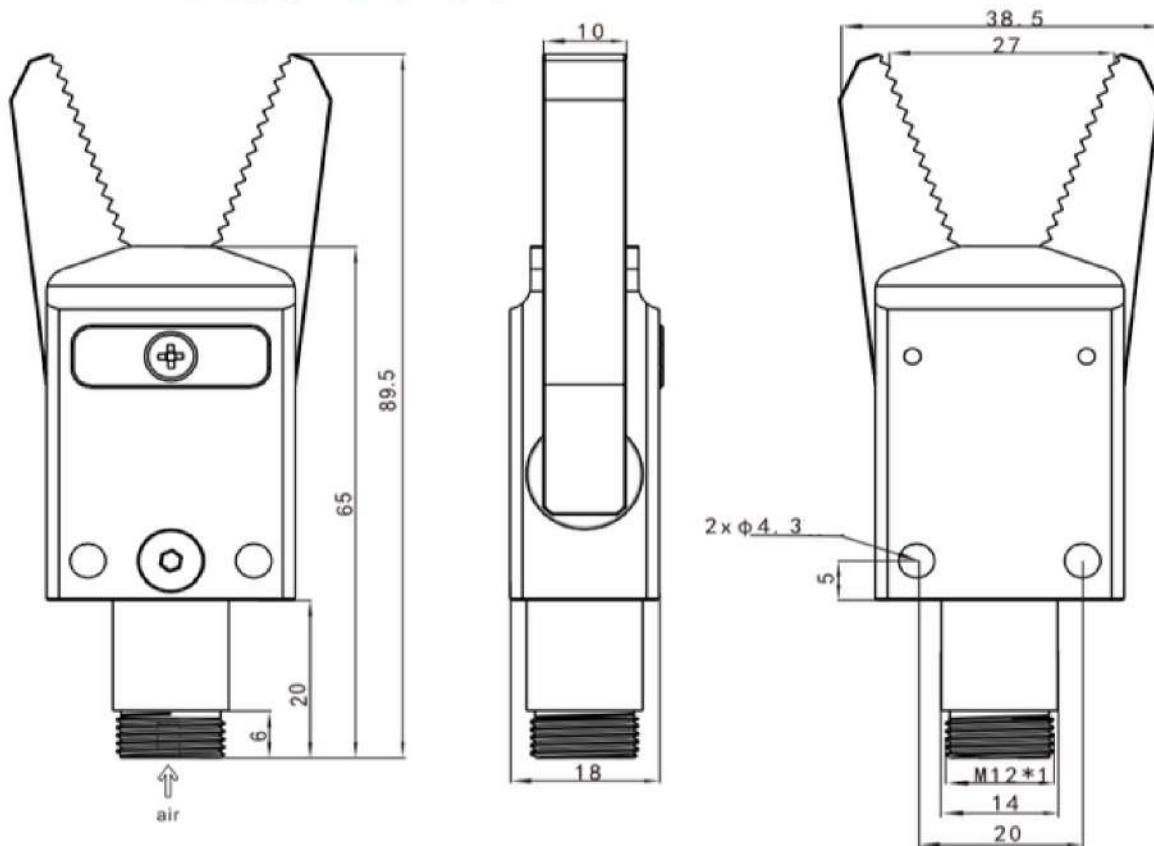


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14B-14-CN / GS14B-14-CP

Piston bore: 14mm
Aluminium jaws
Silicone pads

Sensor
Single acting
Option 1: CN: NPN
Option 2: CP: PNP

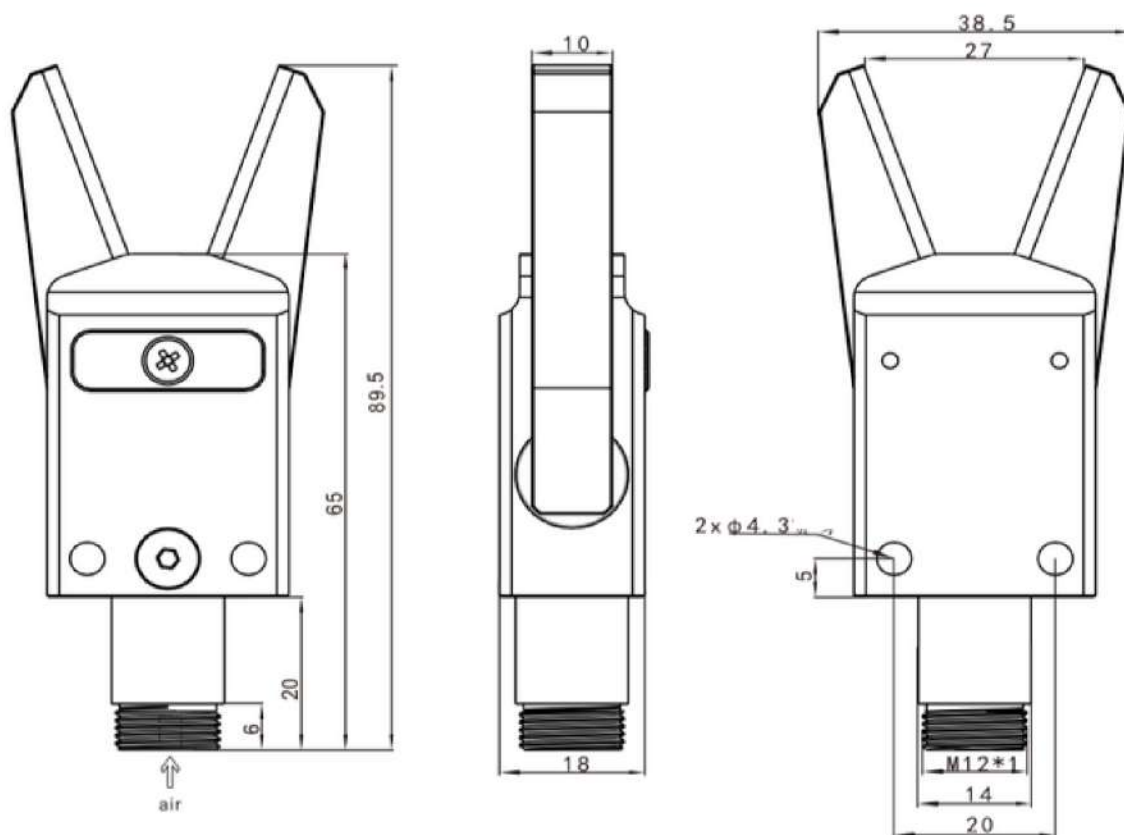


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	80g
Air inlet	M5

GS14C-14

Piston bore: 14mm
Aluminium jaws

Single acting
Silicone PadS

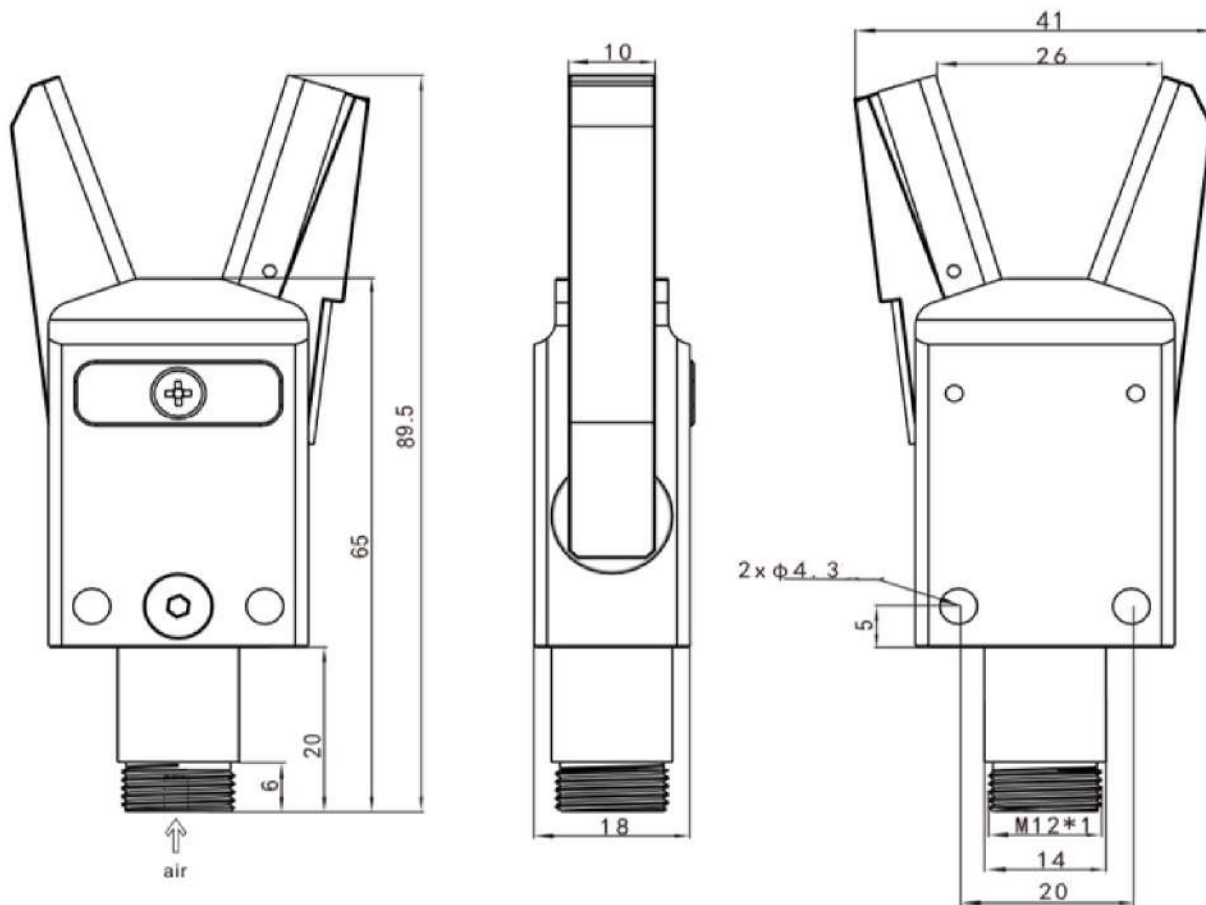


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14C-14-CN / GS14C-14-CP

Piston bore: 14mm
Aluminium jaws
Silicone pads

Sensor
Single acting
Option 1: CN: NPN
Option 2: CP: PNP

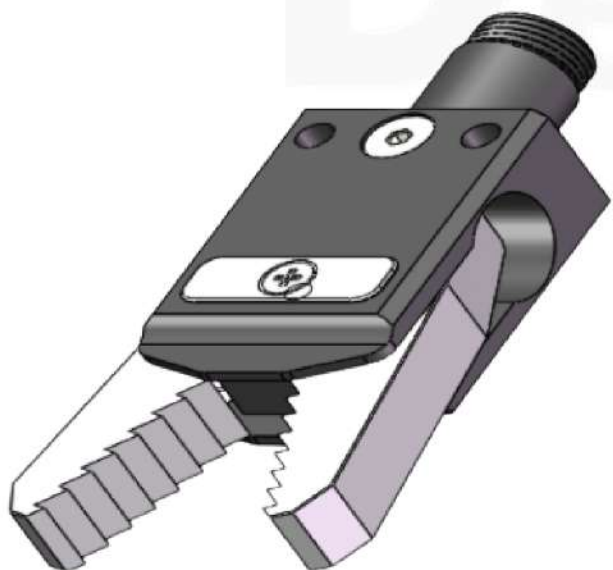
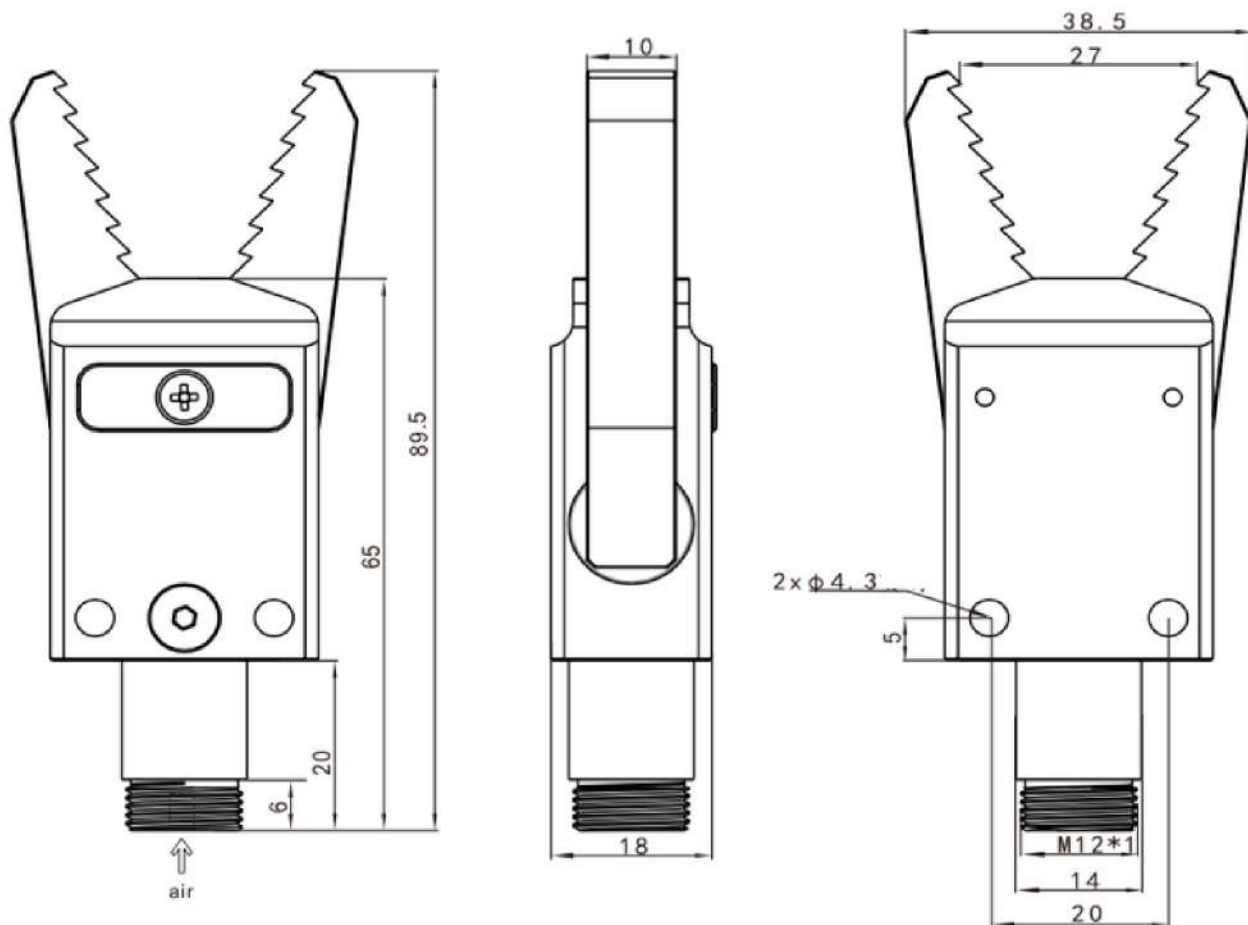


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	80g
Air inlet	M5

GS14D-14

Piston bore: 14mm
Aluminium jaws

Single acting
Silicone PadS

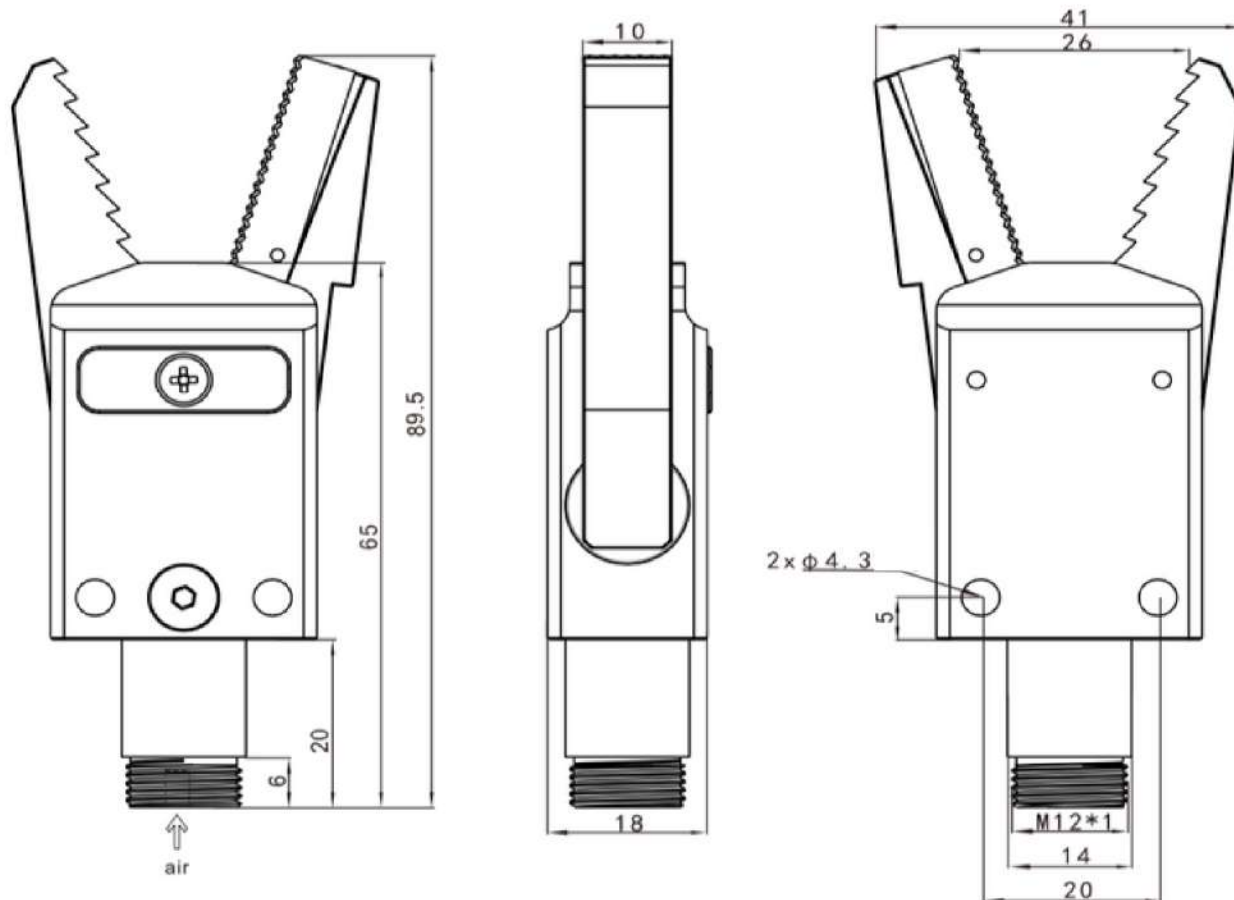


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14D-14-CN / GS14D-14-CP

Piston bore: 14mm
Aluminium jaws
Silicone pads

Sensor
Single acting
Option 1: CN: NPN
Option 2: CP: PNP

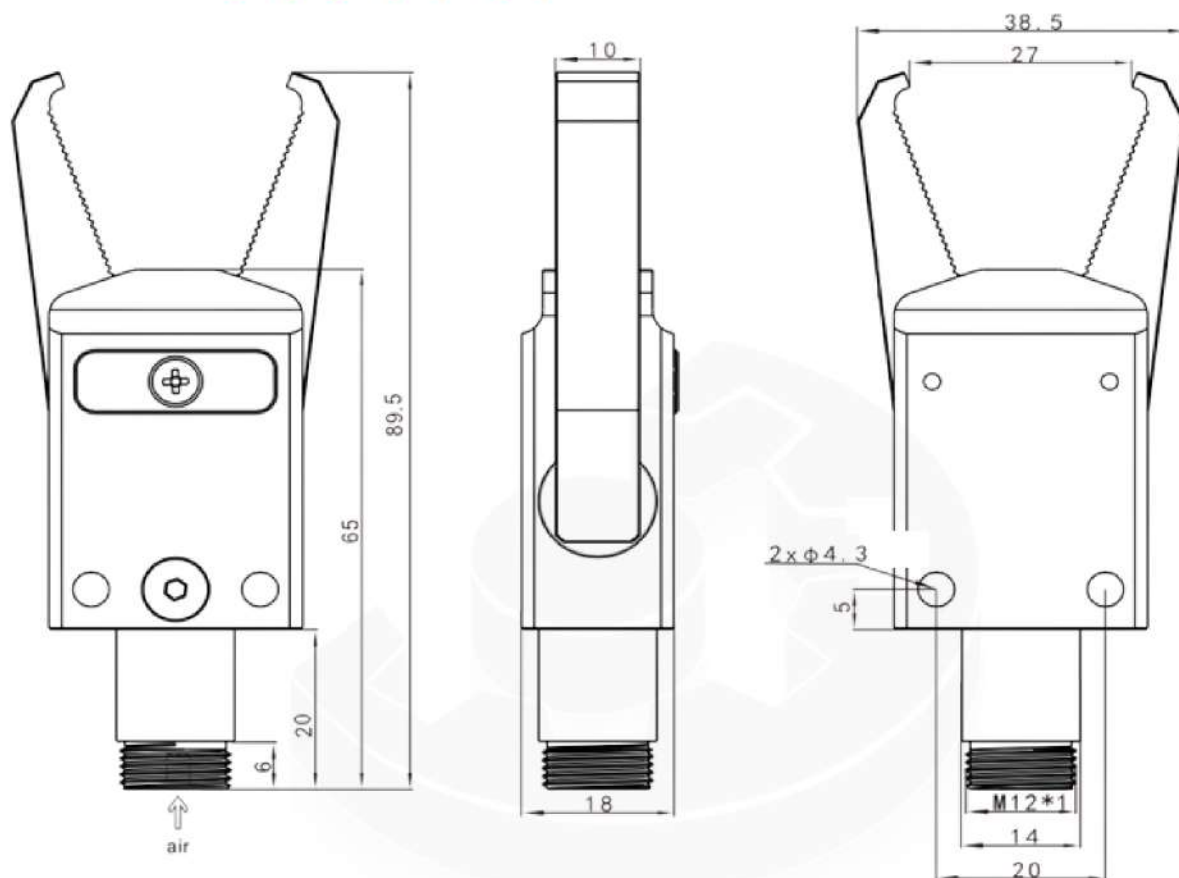


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	80g
Air inlet	M5

GS14E-14

Piston bore: 14mm
Aluminium jaws

Single acting
Silicone PadS

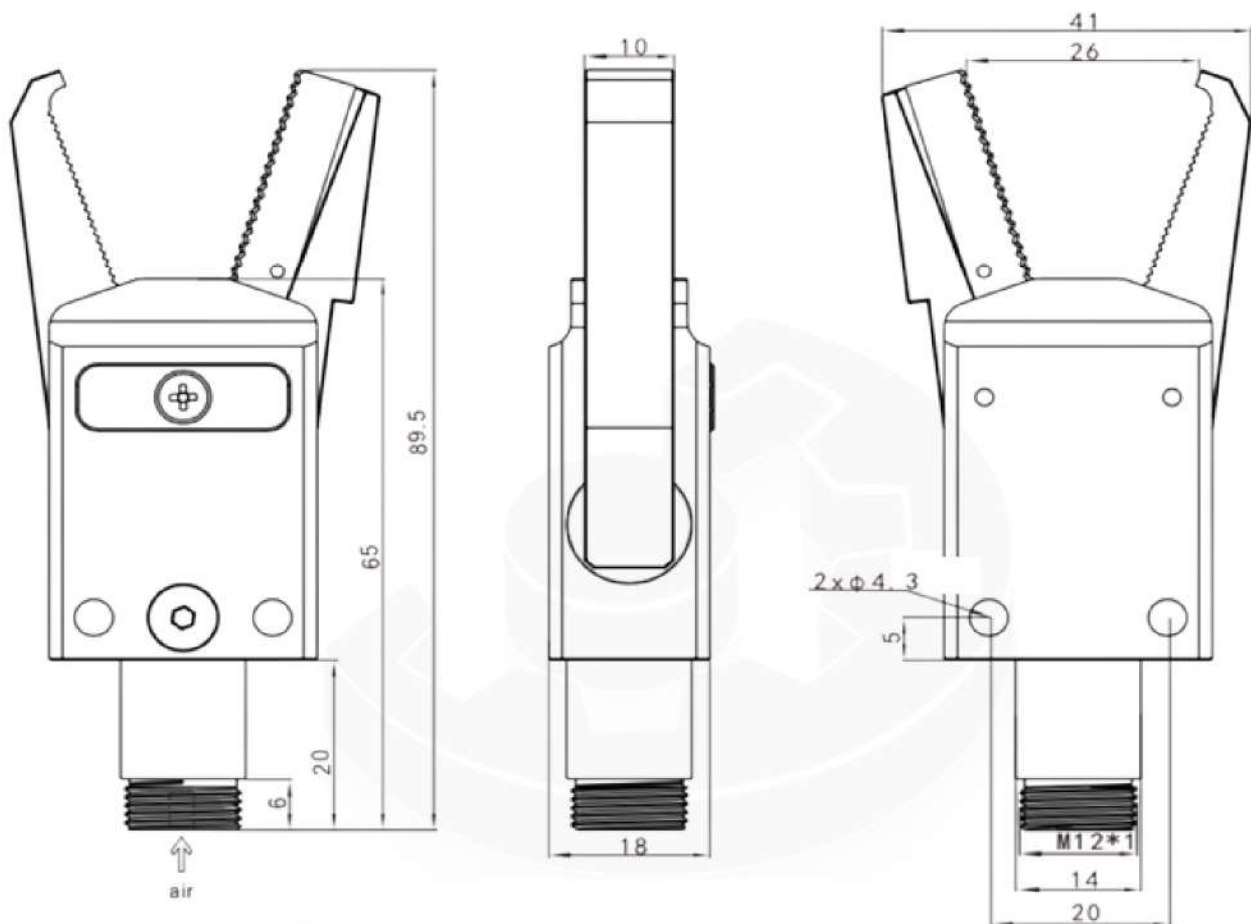


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

GS14E-14-CN / GS14E-14-CP

Piston bore: 14mm
Aluminium jaws
Silicone pads

Sensor
Single acting
Option 1: CN: NPN
Option 2: CP: PNP

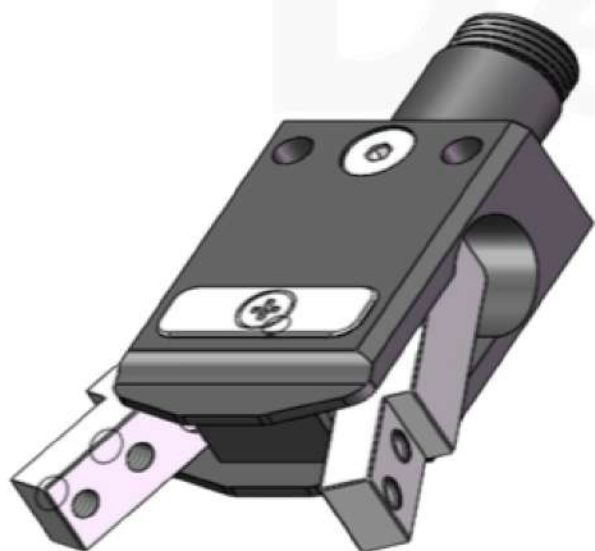
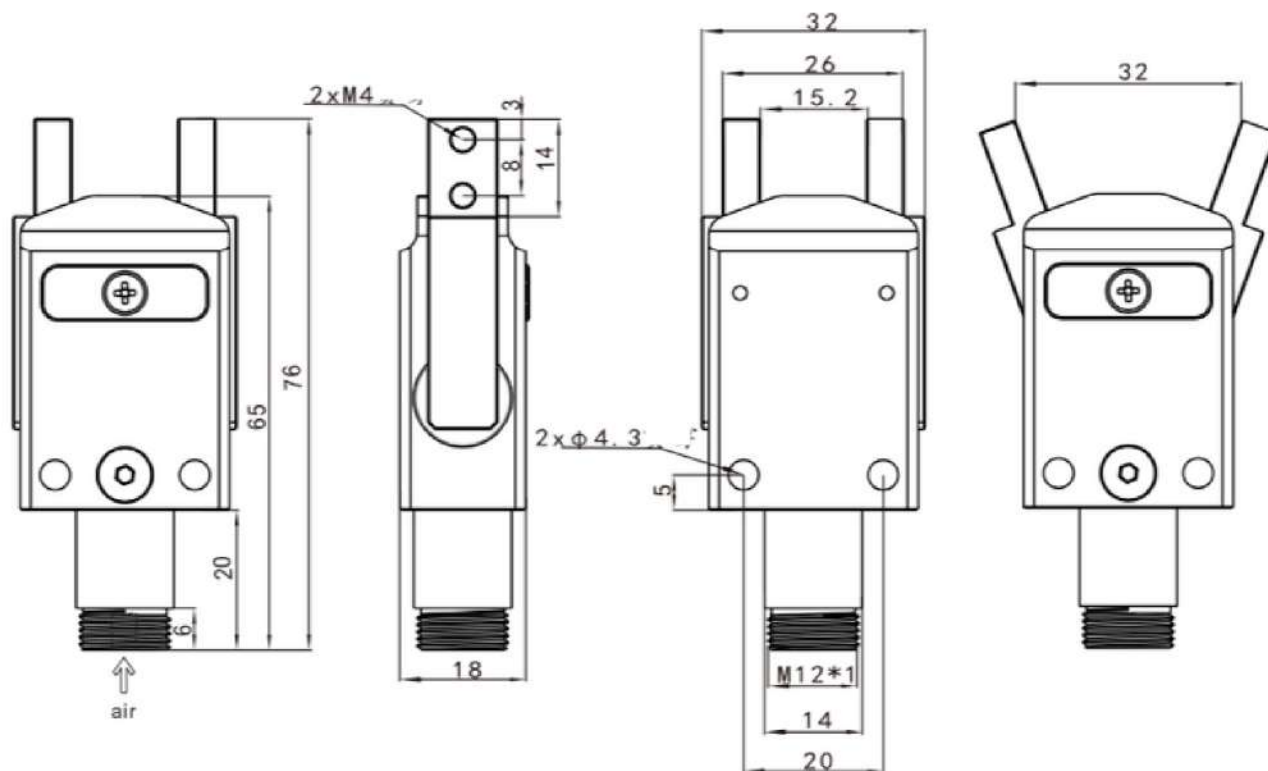


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	80g
Air inlet	M5

GS14F-14

Piston bore: 14mm
Aluminium jaws

Single acting
Silicone PadS



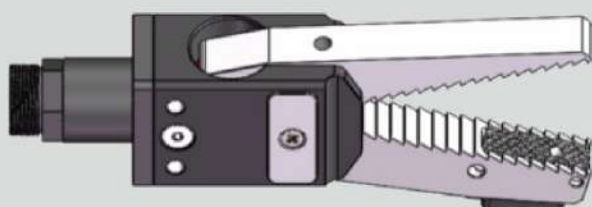
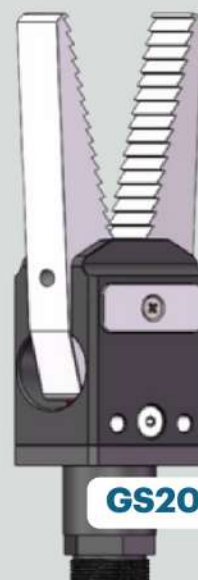
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x16°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	130N/cm
Opening gripping torque	7N/cm
Weight	68g
Air inlet	M5

SERIES GS20

2-jaw-non- selfcentering
angular pneumatic sprue
gripper

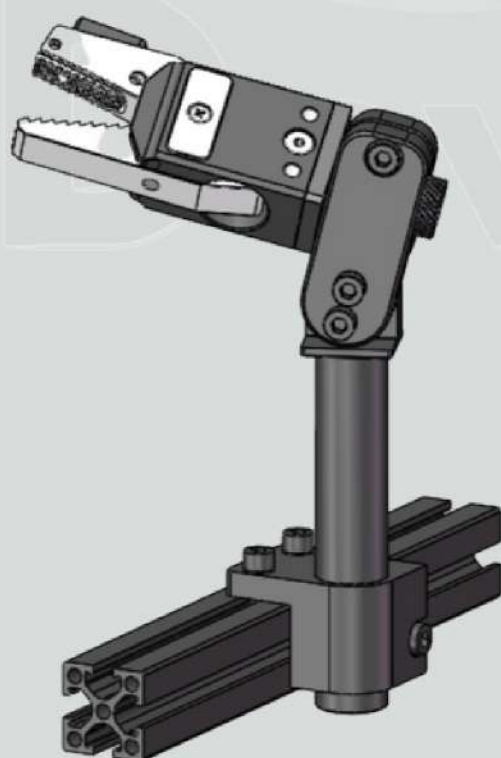
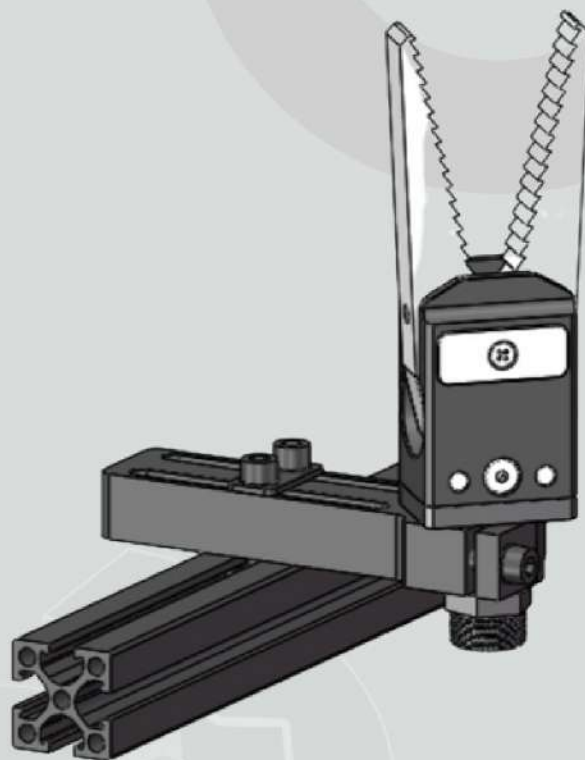
MODEL SECTION

Standard type **GS 20 A - 20 - CN** Sensor type **CN: NPN**
CP: PNP
 Dimension Jaw Type Bore



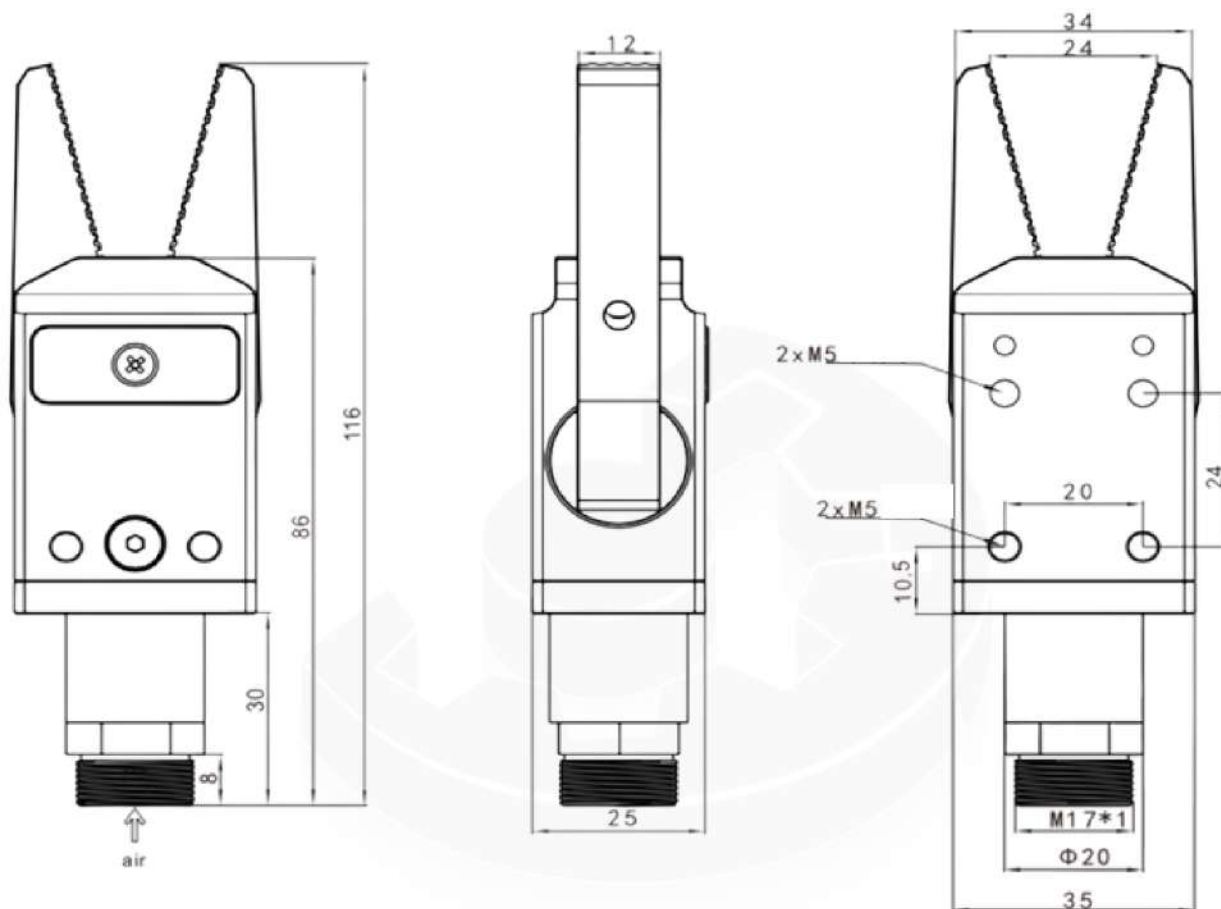
GS20D-20 CN/CP

APPLICATION EXAMPLE



GS20A-20

Piston bore: 20mm Single acting
Aluminium jaws

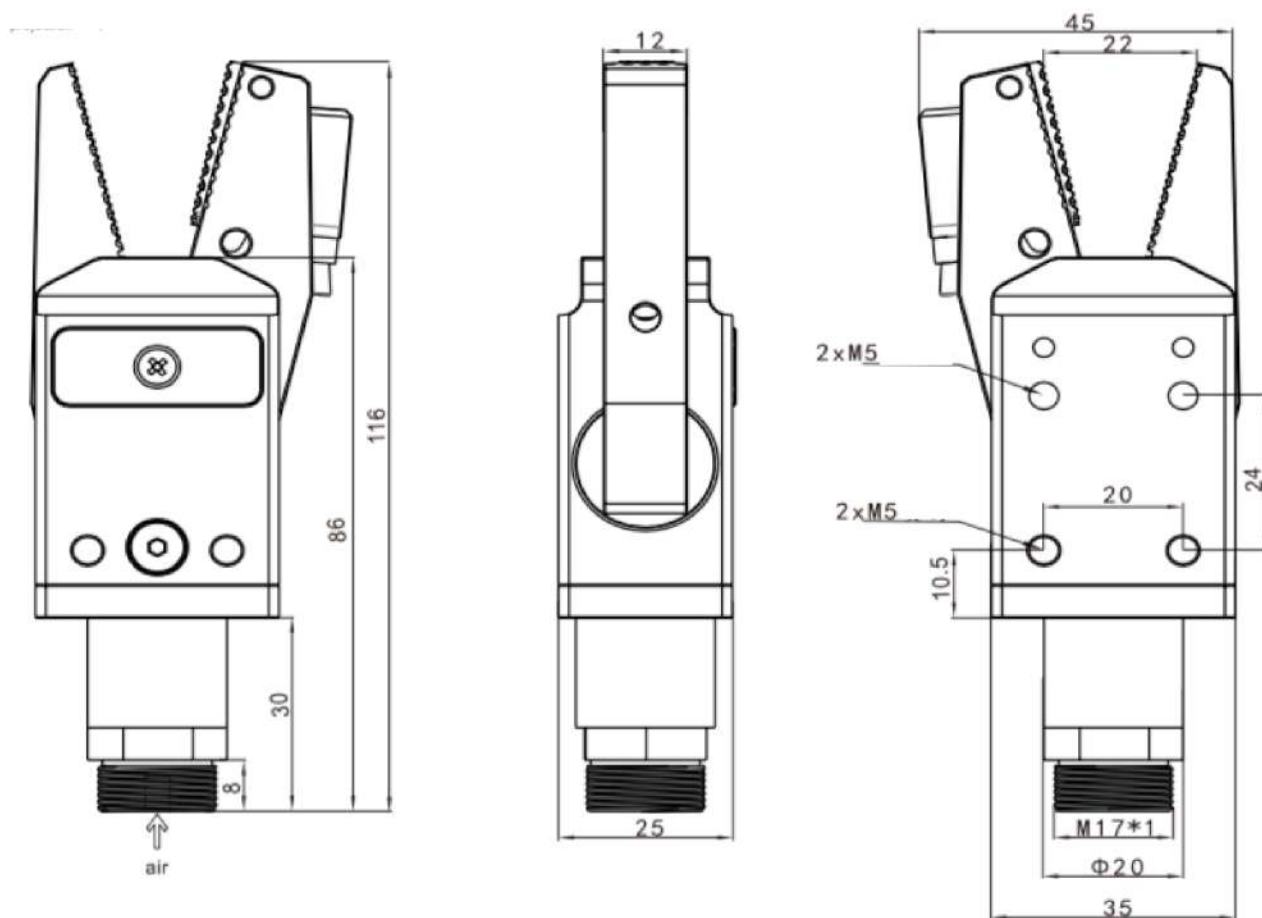


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	112g
Air inlet	M5

GS20A-20-CN / GS20A-20-CP

Piston bore: 20mm
Aluminium jaws

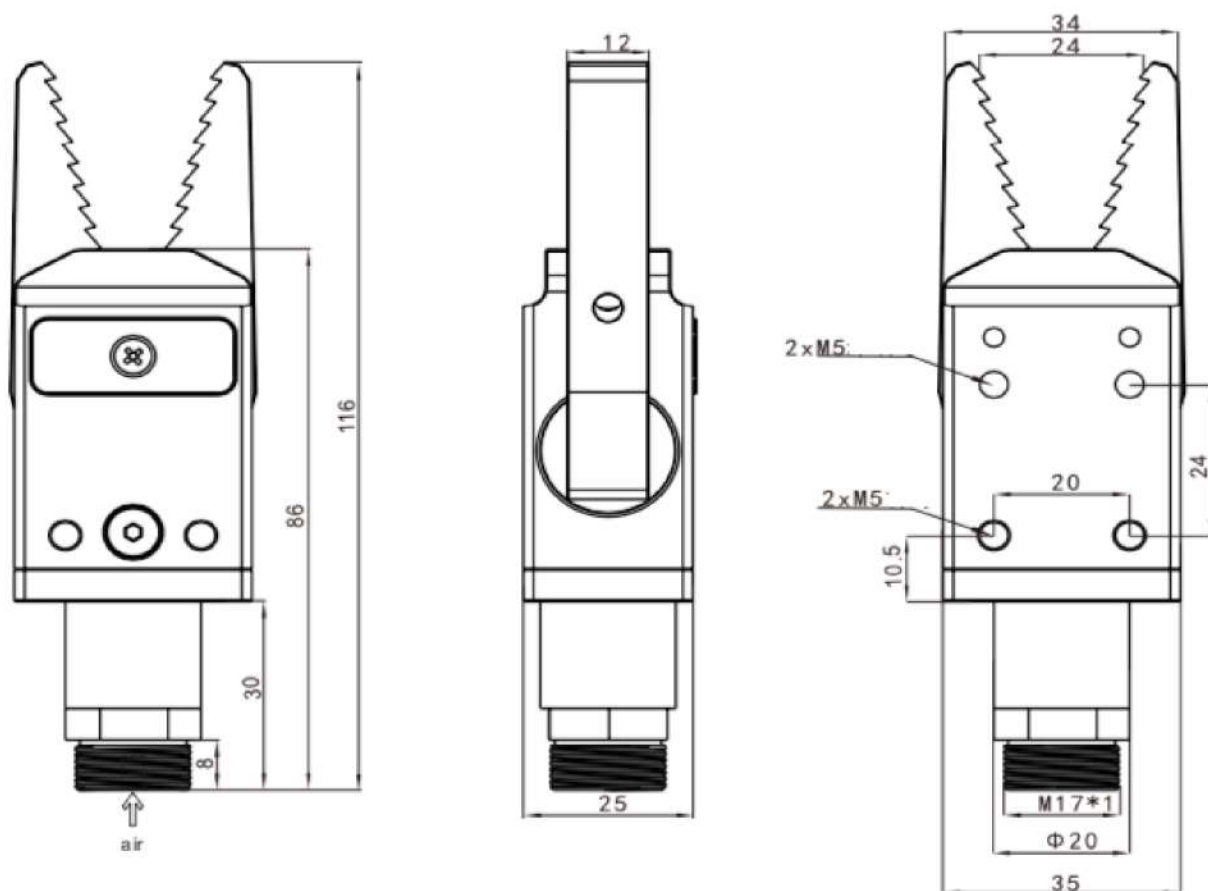
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	137g
Air inlet	M5

GS20B-20

Piston bore: 20mm Single acting
Aluminium jaws

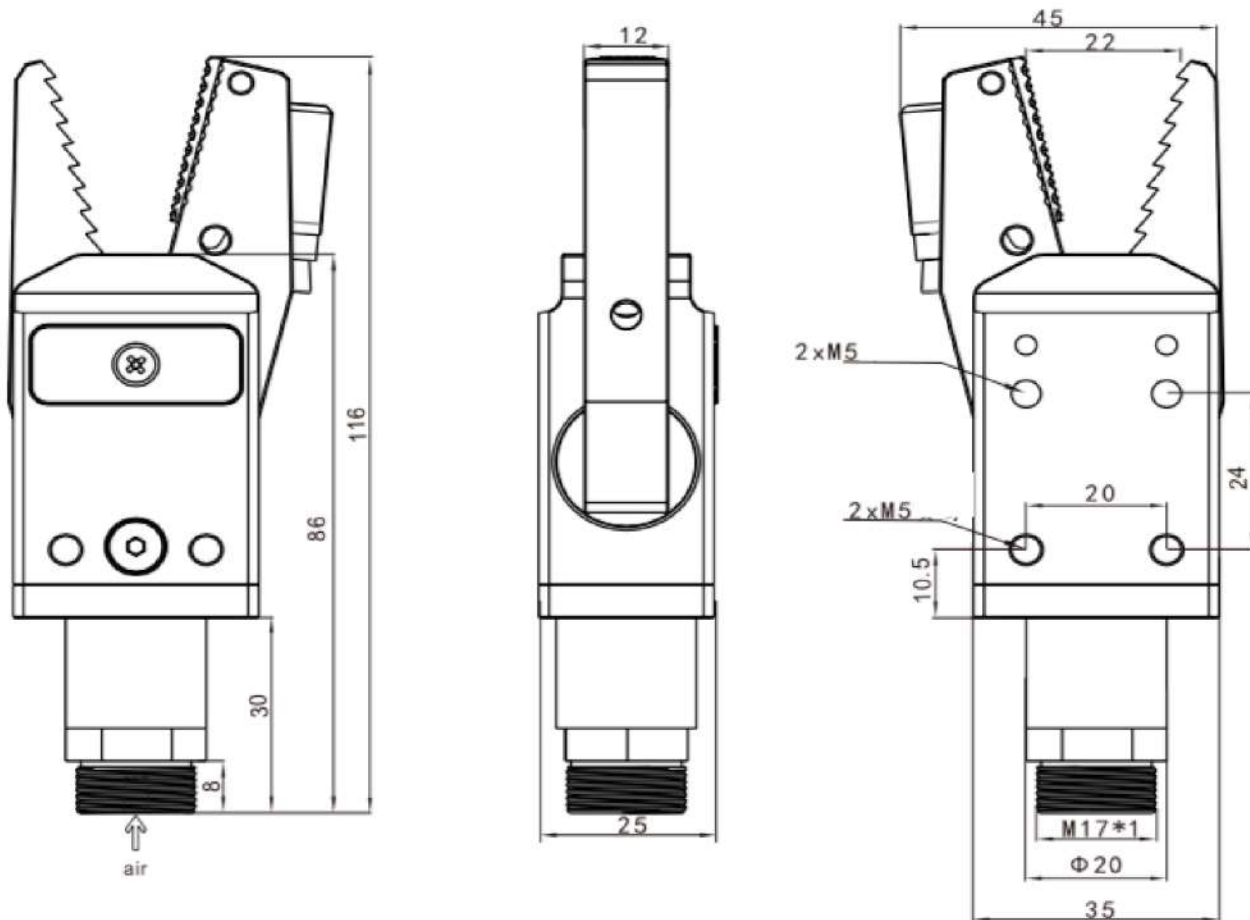


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	112g
Air inlet	M5

GS20A-20-CN / GS20A-20-CP

Piston bore: 20mm
Aluminium jaws

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

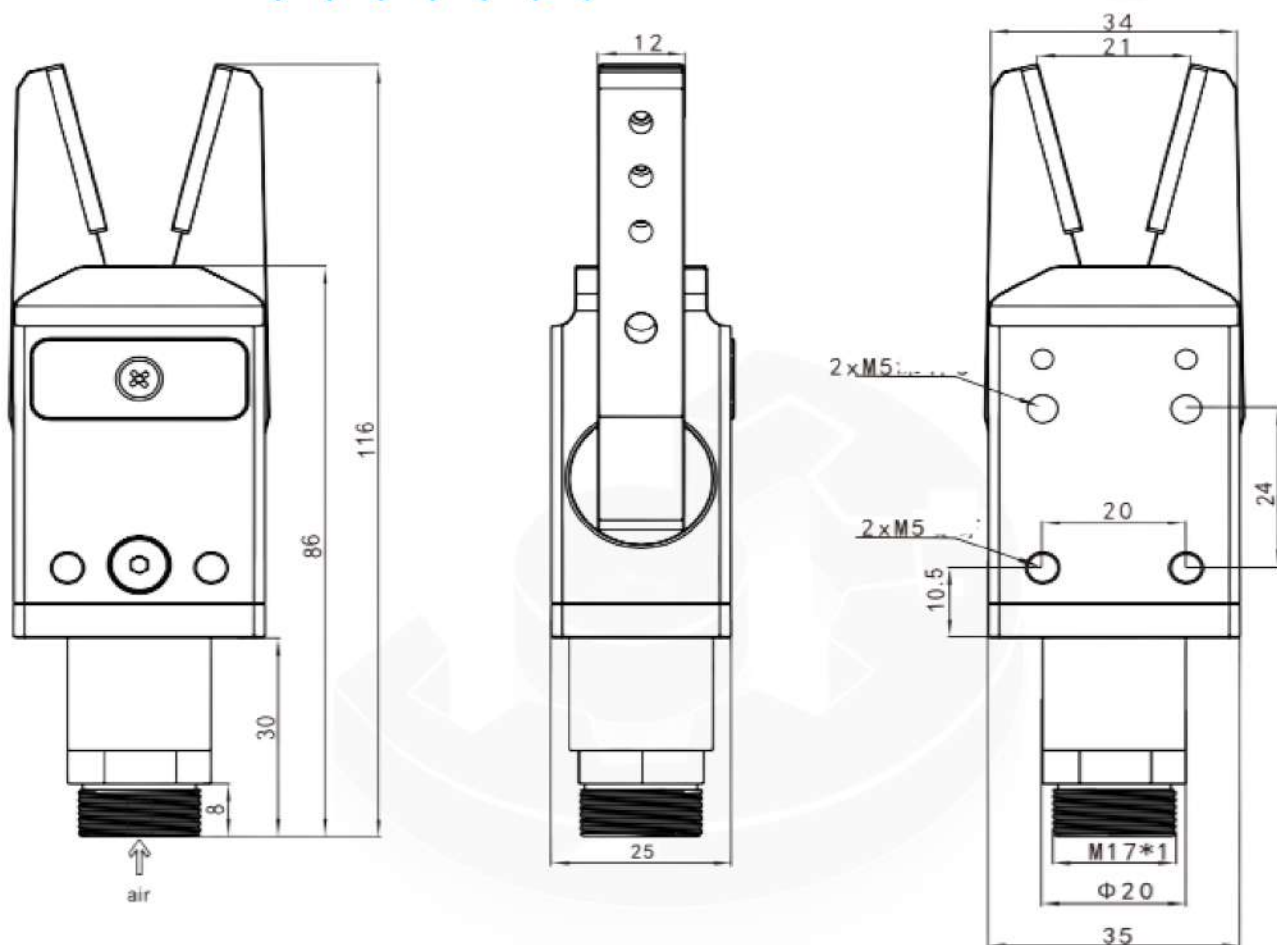


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	137g
Air inlet	M5

GS20C-20

Piston bore: 20mm
Aluminium jaws

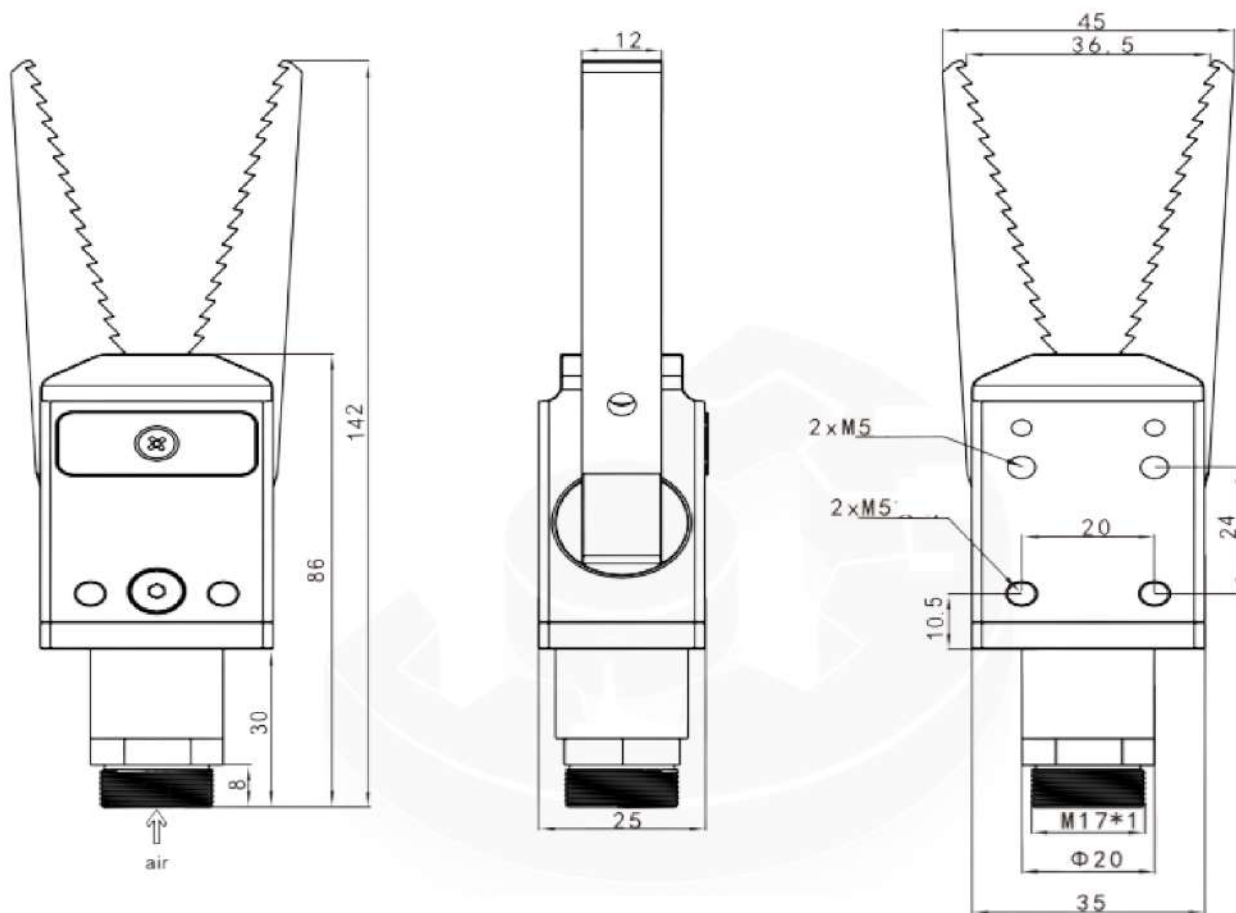
Single acting
Silicone pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	112g
Air inlet	M5

GS20D-20

Piston bore: 20mm Single acting
Aluminium jaws

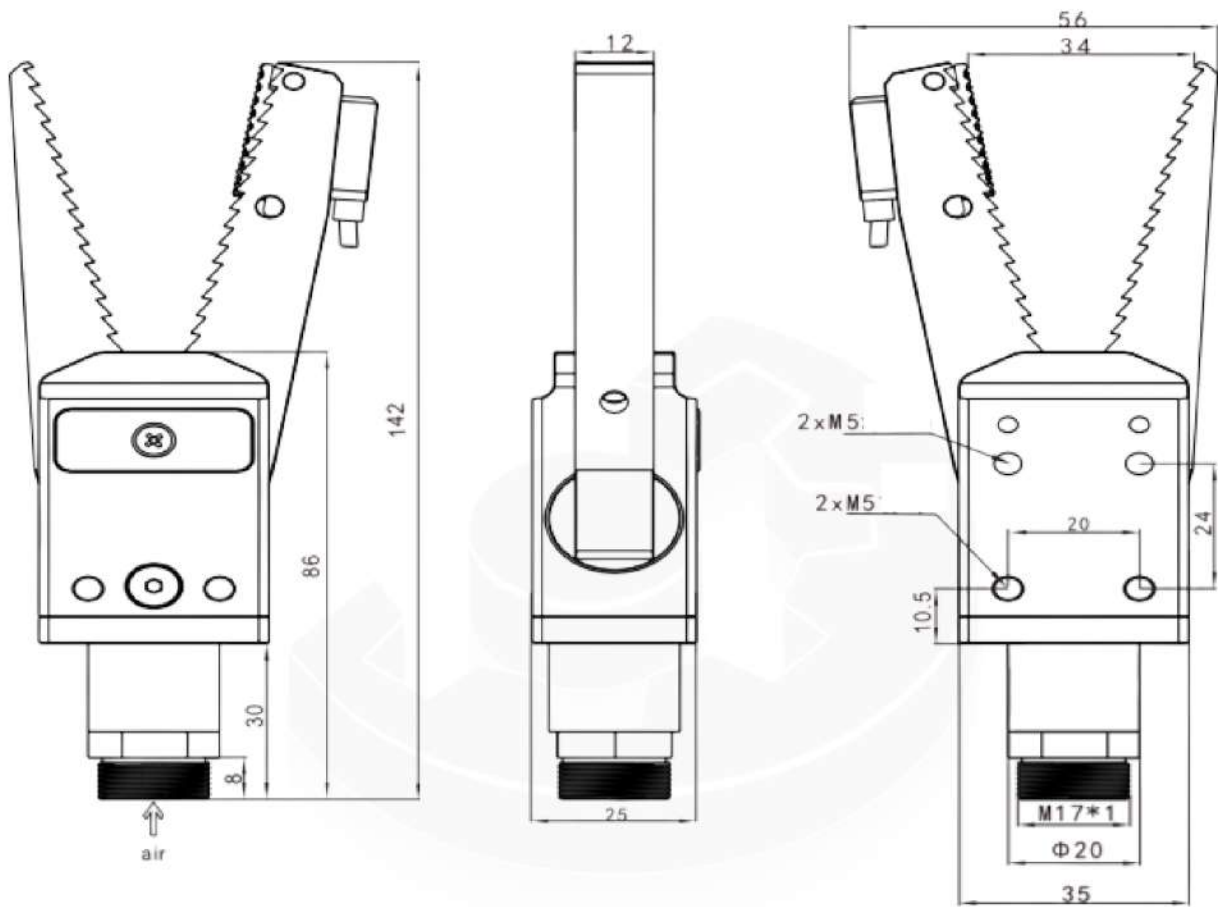


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	112g
Air inlet	M5

GS20D-20-CN / GS20D-20-CP

Piston bore: 20mm
Aluminium jaws

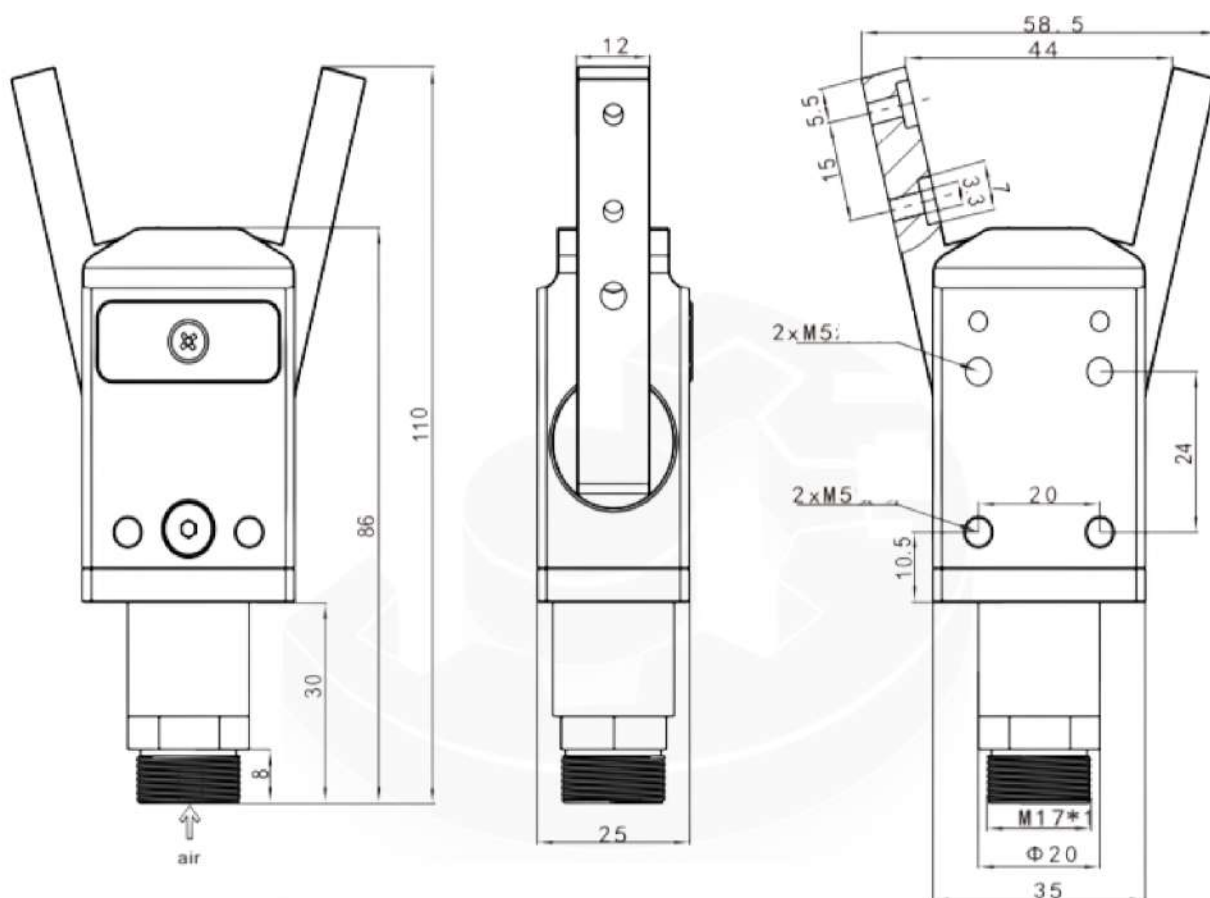
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	160g
Air inlet	M5

GS20E-20

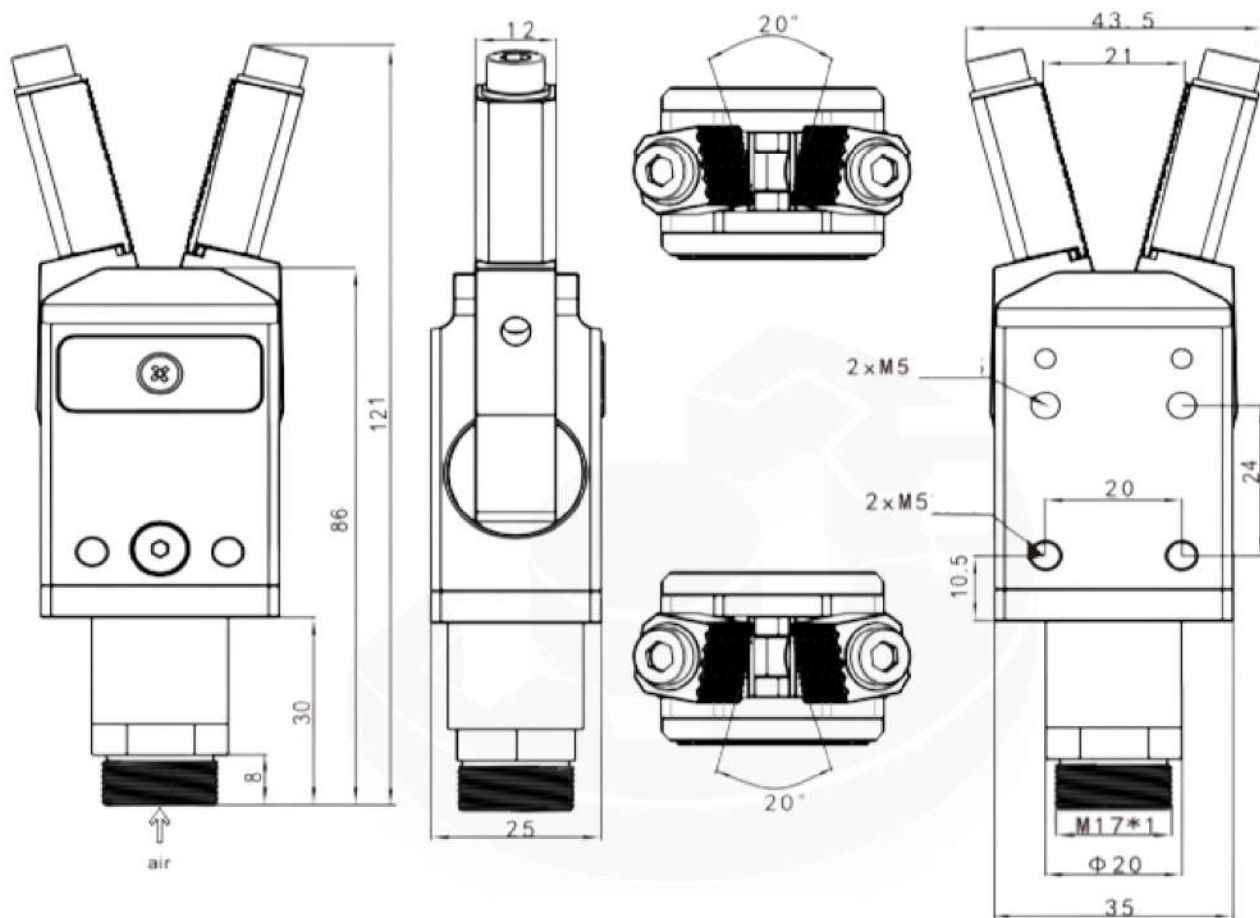
Piston bore: 20mm Single acting
Aluminium jaws Custom jaws



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	125g
Air inlet	M5

GS20F-20

Piston bore: 20mm Single acting
Aluminium jaws



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	2Hz
Cicle air consumption	2.7cm ³
Closing time without load	0.01s
Closing gripping torque	210N/cm
Opening gripping torque	10N/cm
Weight	130g
Air inlet	M5

SERIES GST14

2-jaw-non- selfcentering
angular pneumatic sprue
gripper

MODEL SECTION

Standard type **GS 14 A - 14 - CN** Sensor type **CN: NPN**
Dimension Jaw Type Bore **CP: PNP**



GST14A-14



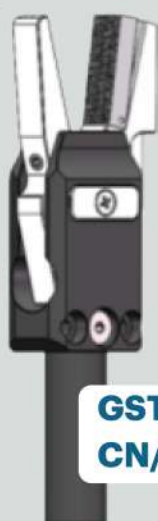
GST14B-14



GST14C-14



GST14D-14



GST14A-14
CN/CP

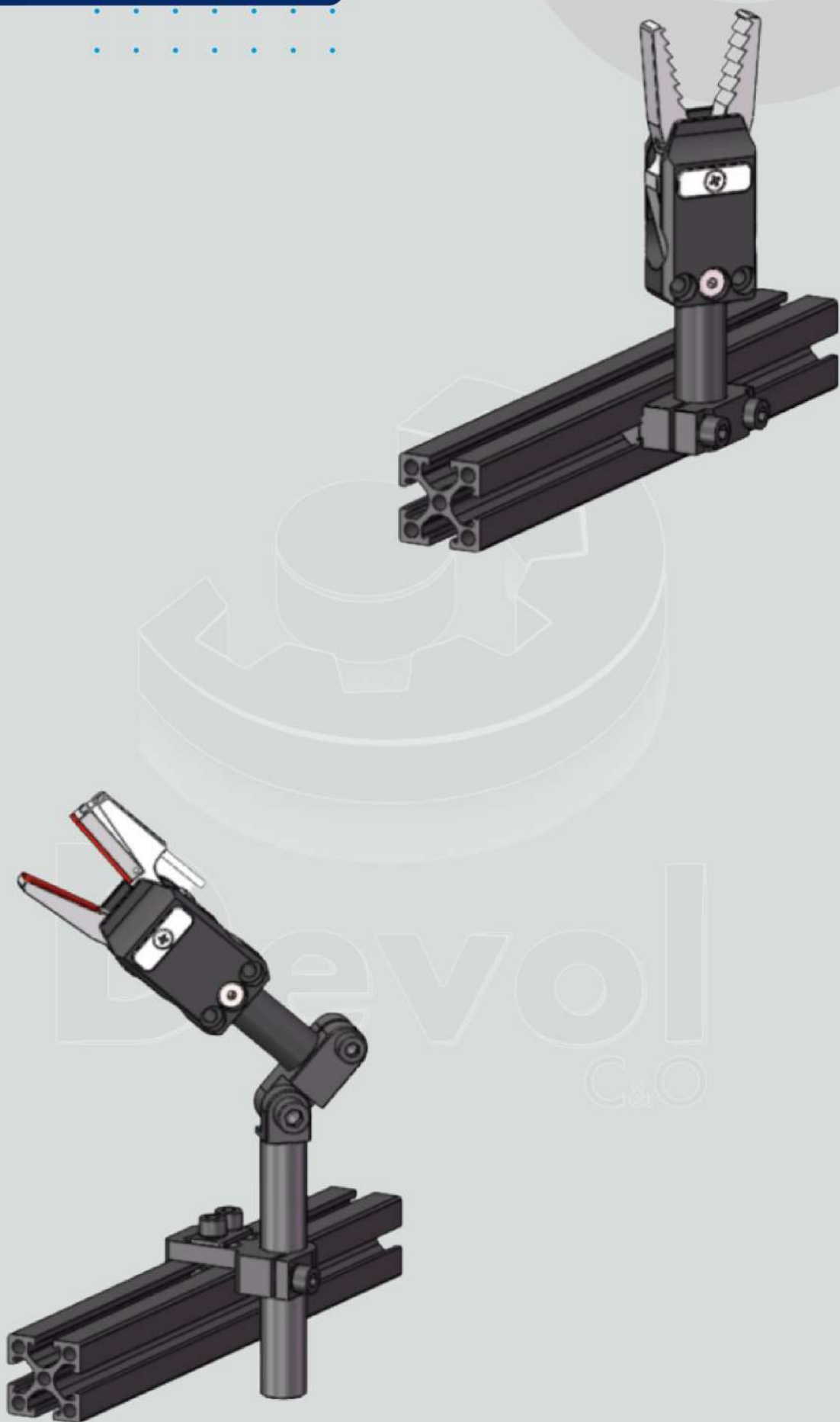


GST14B-14
CN/CP



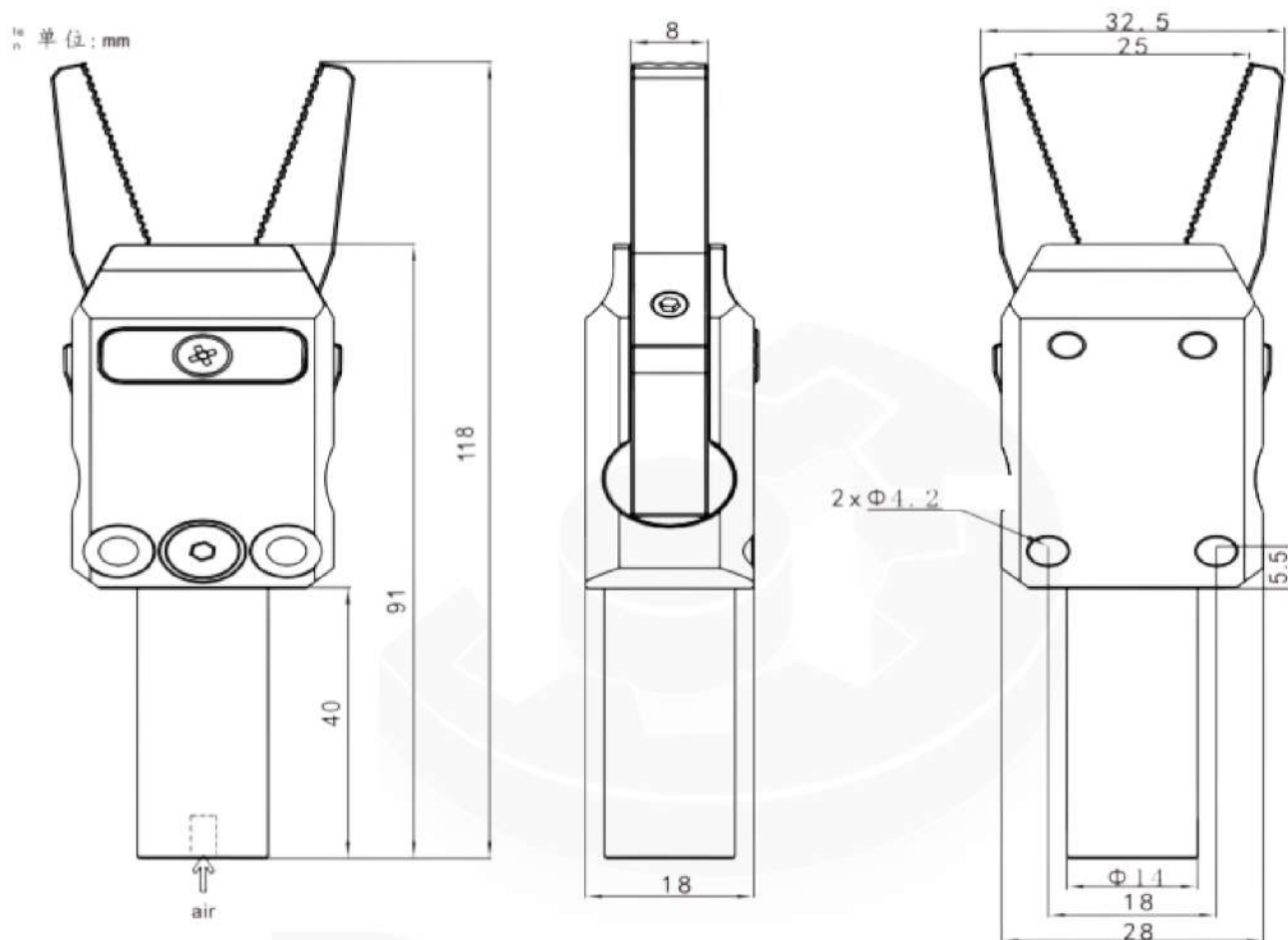
GST14B-14
CN/CP

APPLICATION EXAMPLE



GST14A-14

Piston bore: 14mm Single acting
Aluminium jaws

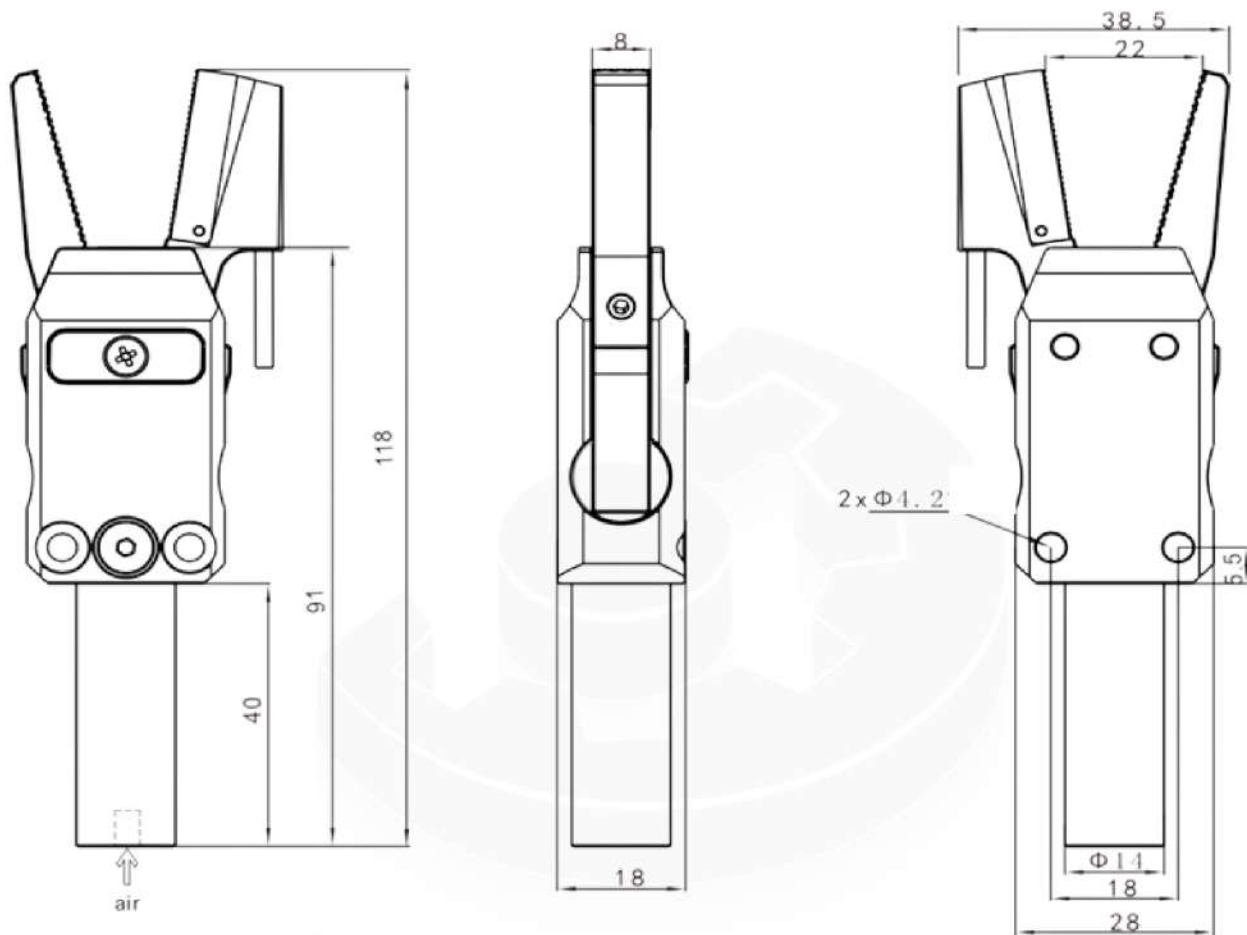


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	80g
Air inlet	G1/8

GST14A-14-CN / GST14A-14-CP

Piston bore: 14mm
Aluminium jaws

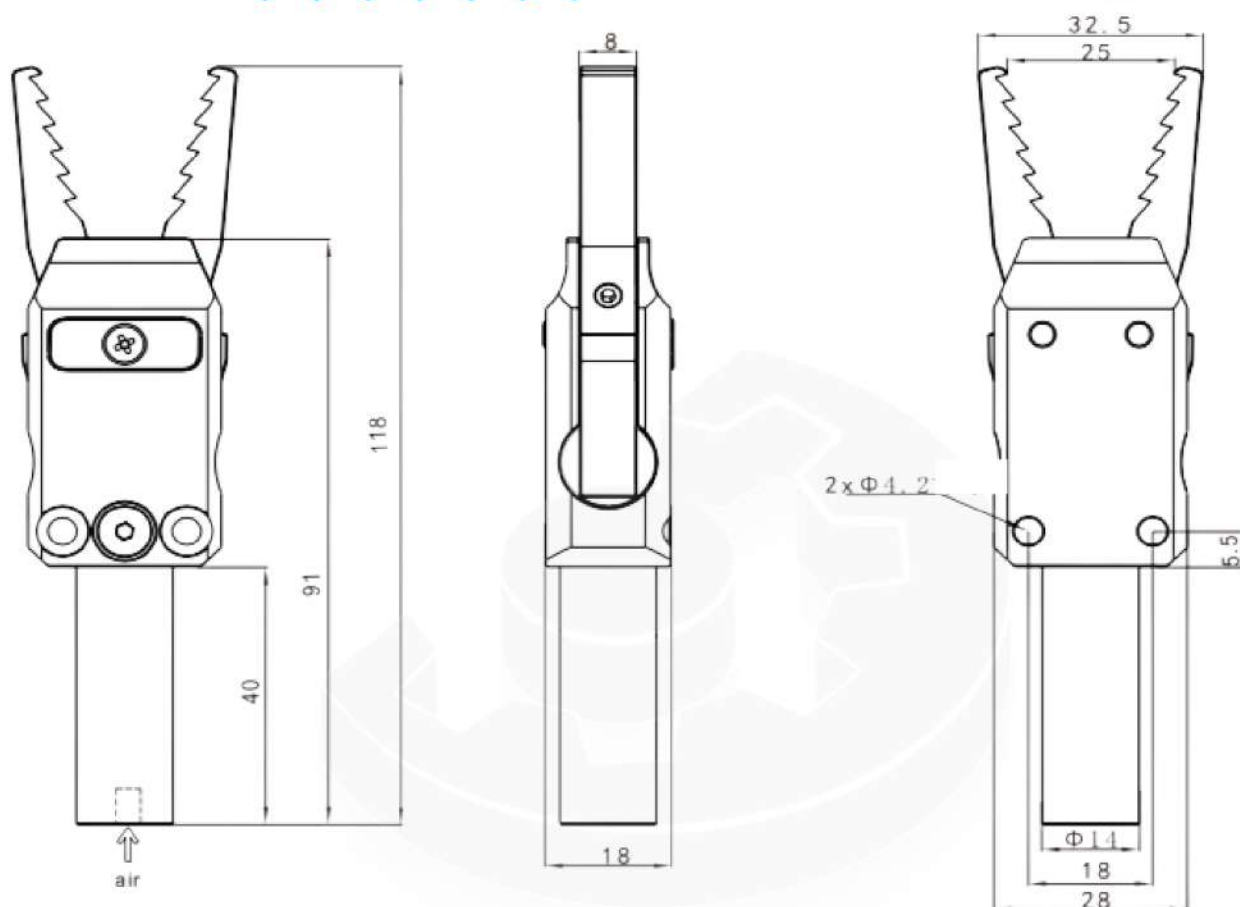
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	100g
Air inlet	G1/8

GST14B-14

Piston bore: 14mm Single acting
Aluminium jaws

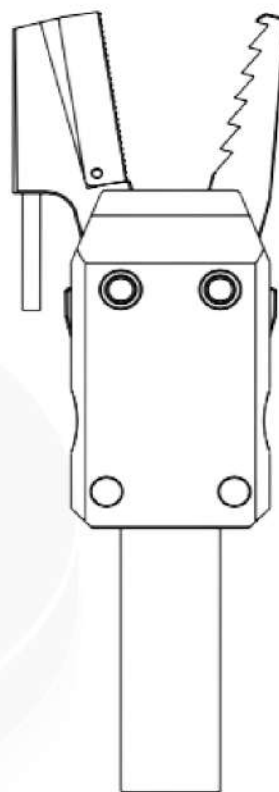
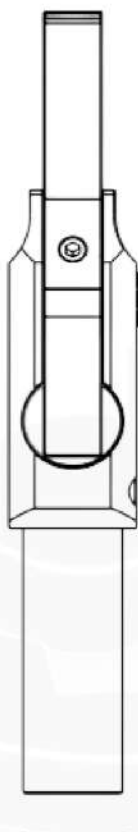


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	80g
Air inlet	G1/8

GST14B-14-CN / GST14B-14-CP

Piston bore: 14mm
Aluminium jaws

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

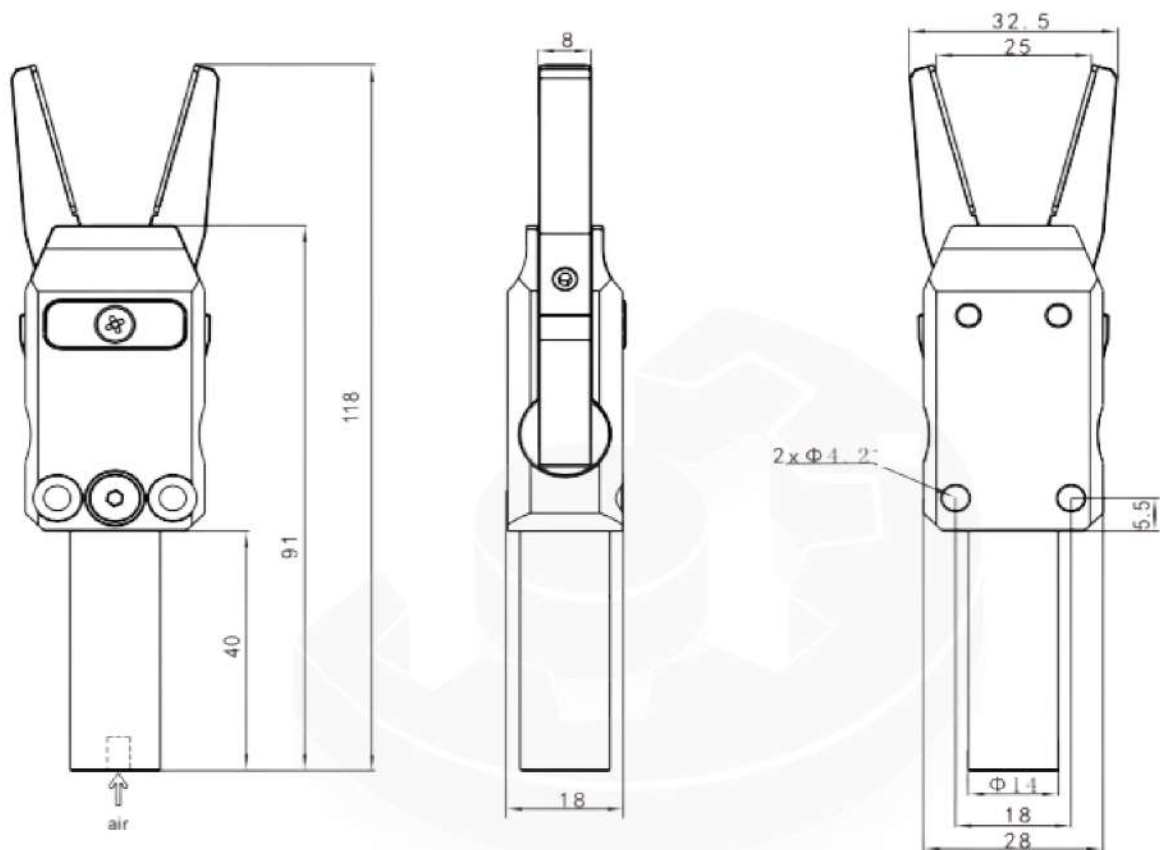


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	100g
Air inlet	G1/8

GST14C-14

Piston bore: 14mm
Aluminium jaws

Single acting
Silicone pads

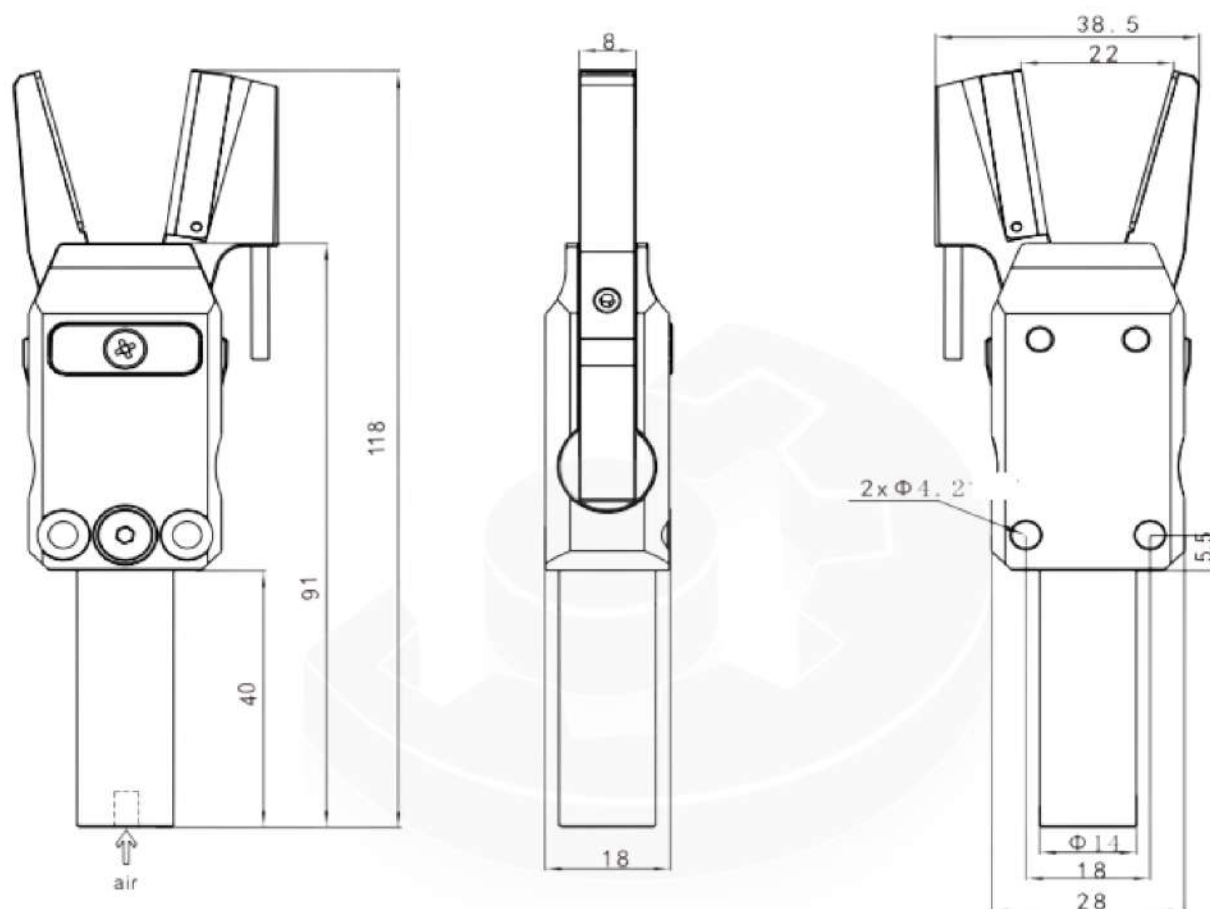


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	80g
Air inlet	G1/8

GST14B-14-CN / GST14B-14-CP

Piston bore: 14mm
Aluminium jaws

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

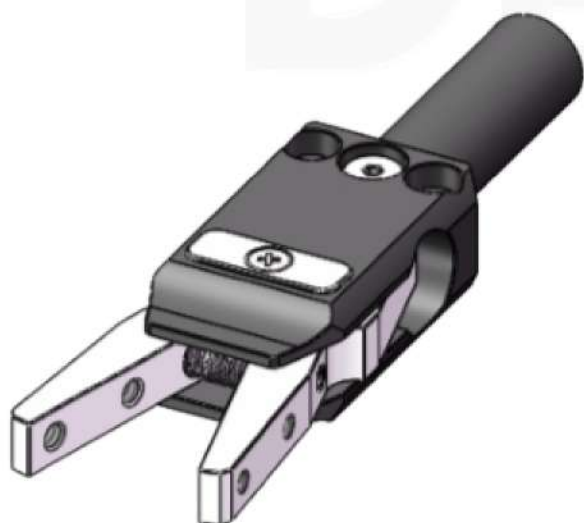
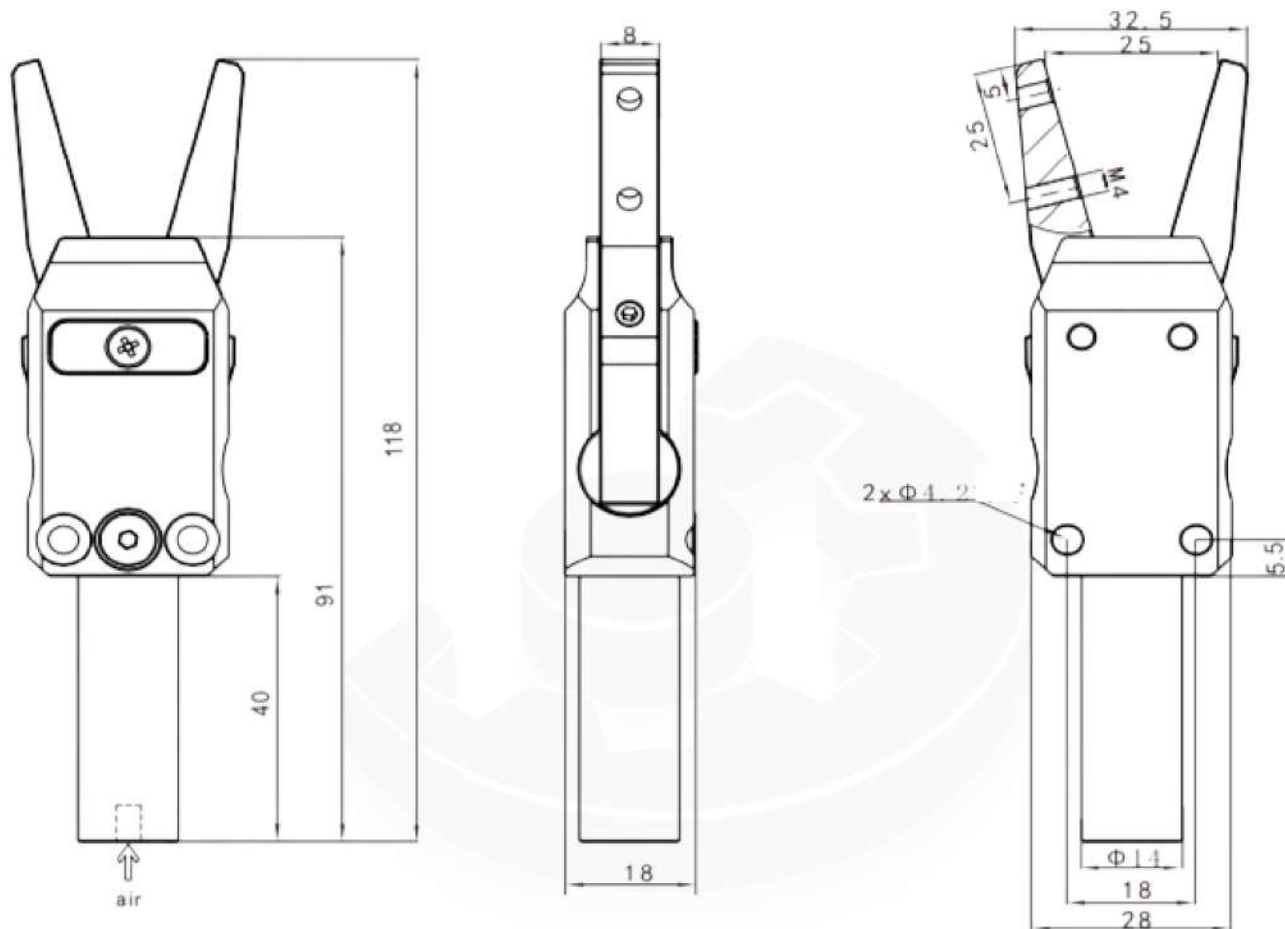


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	100g
Air inlet	G1/8

GST14D-14

Piston bore: 14mm
Steel jaws

Single acting
Custom jaws



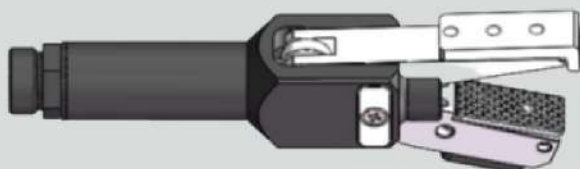
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x14°
Maximum working frequency	3Hz
Cicle air consumption	1.4cm ³
Closing time without load	0.01s
Closing gripping torque	80N/cm
Opening gripping torque	5N/cm
Weight	80g
Air inlet	G1/8

SERIES GST20

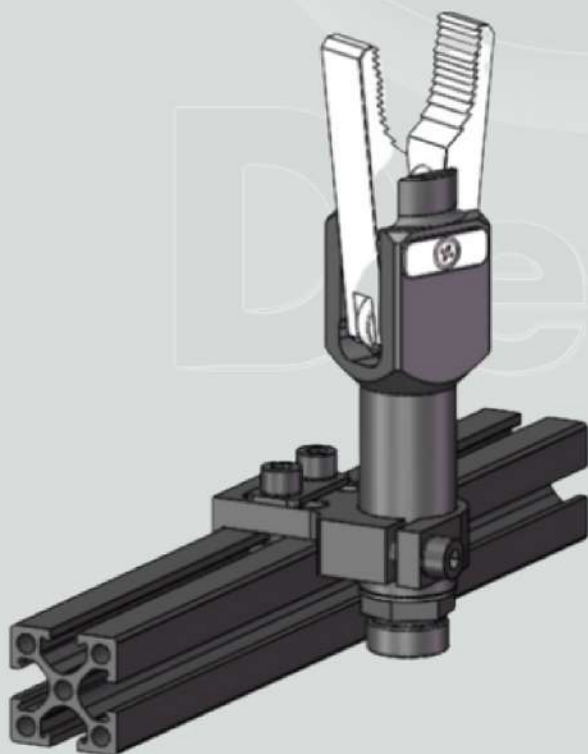
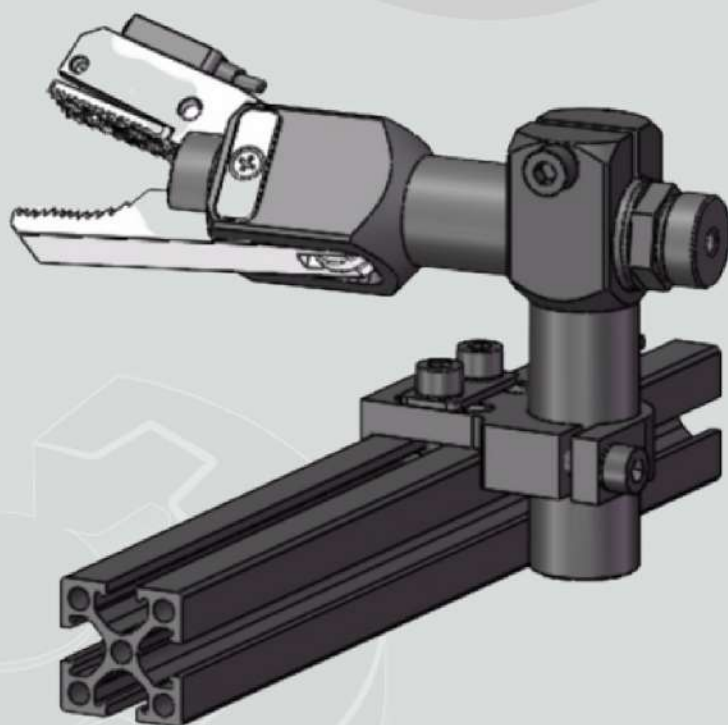
2-jaw-non- selfcentering
angular pneumatic sprue
gripper

MODEL SECTION

Standard type **GS 20 A - 20 - CN** Sensor type **CN: NPN**
Dimension Jaw Type Bore **CP: PNP**

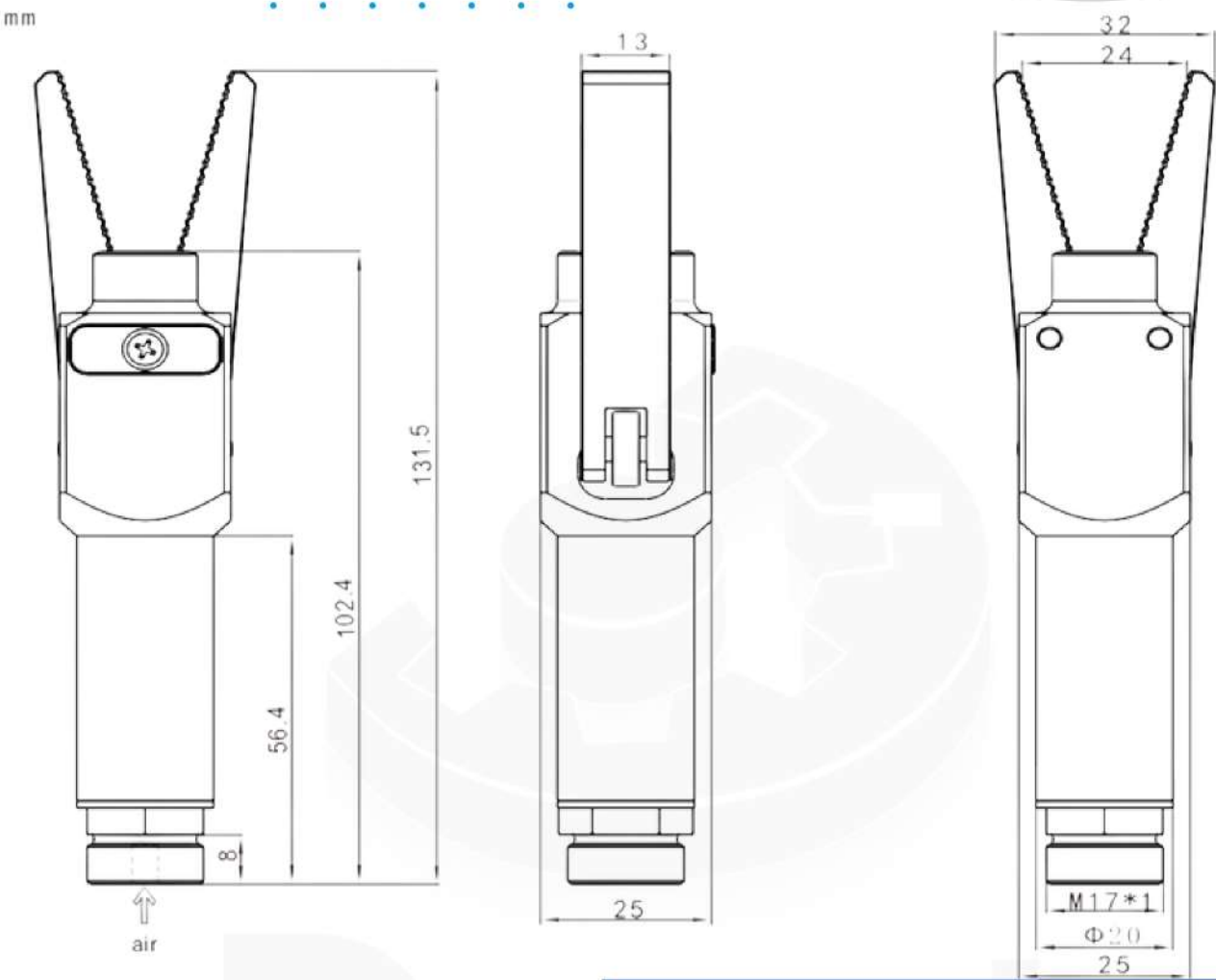


APPLICATION EXAMPLE



GST20A-16

Piston bore: 16mm Single acting
Steel jaws

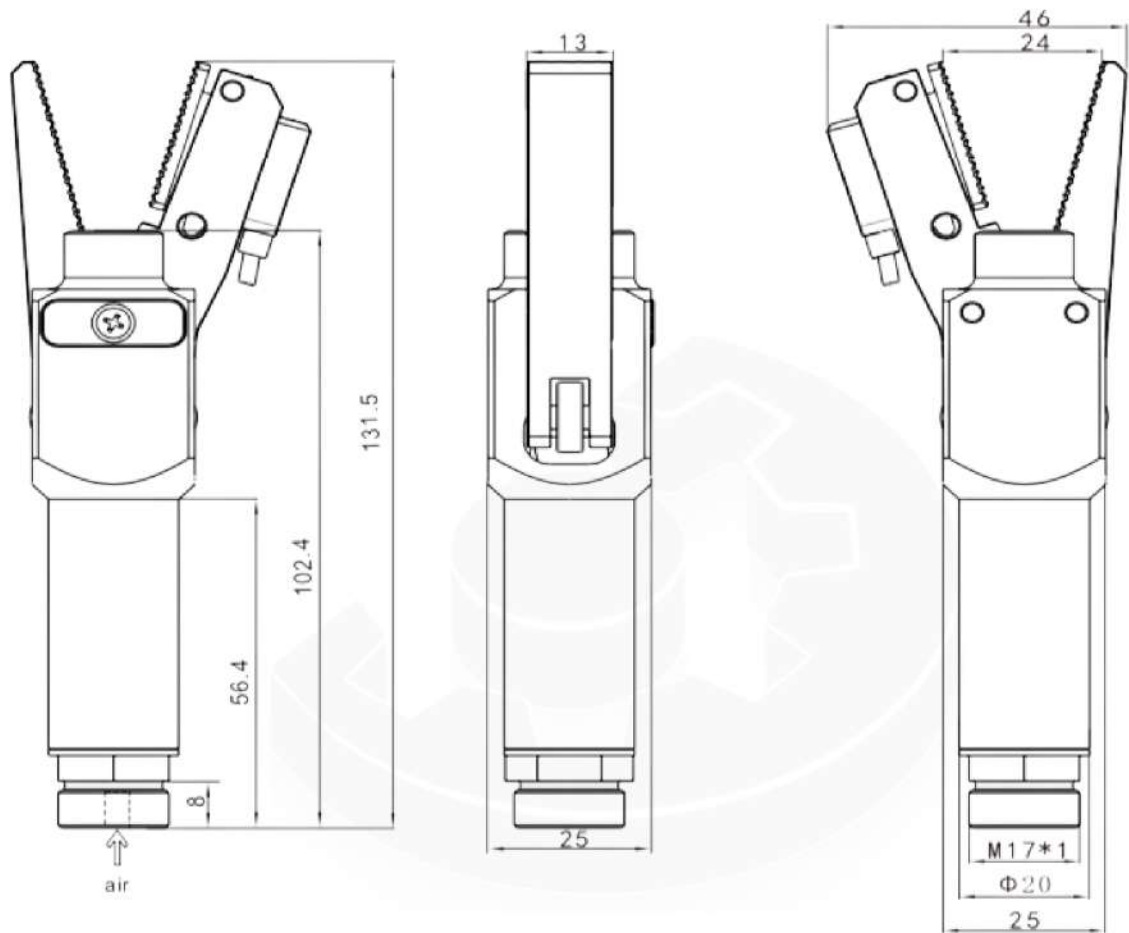


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	165g
Air inlet	M5

GST20A-16-CN / GST20A-16-CP

Piston bore: 16mm
Steel jaws

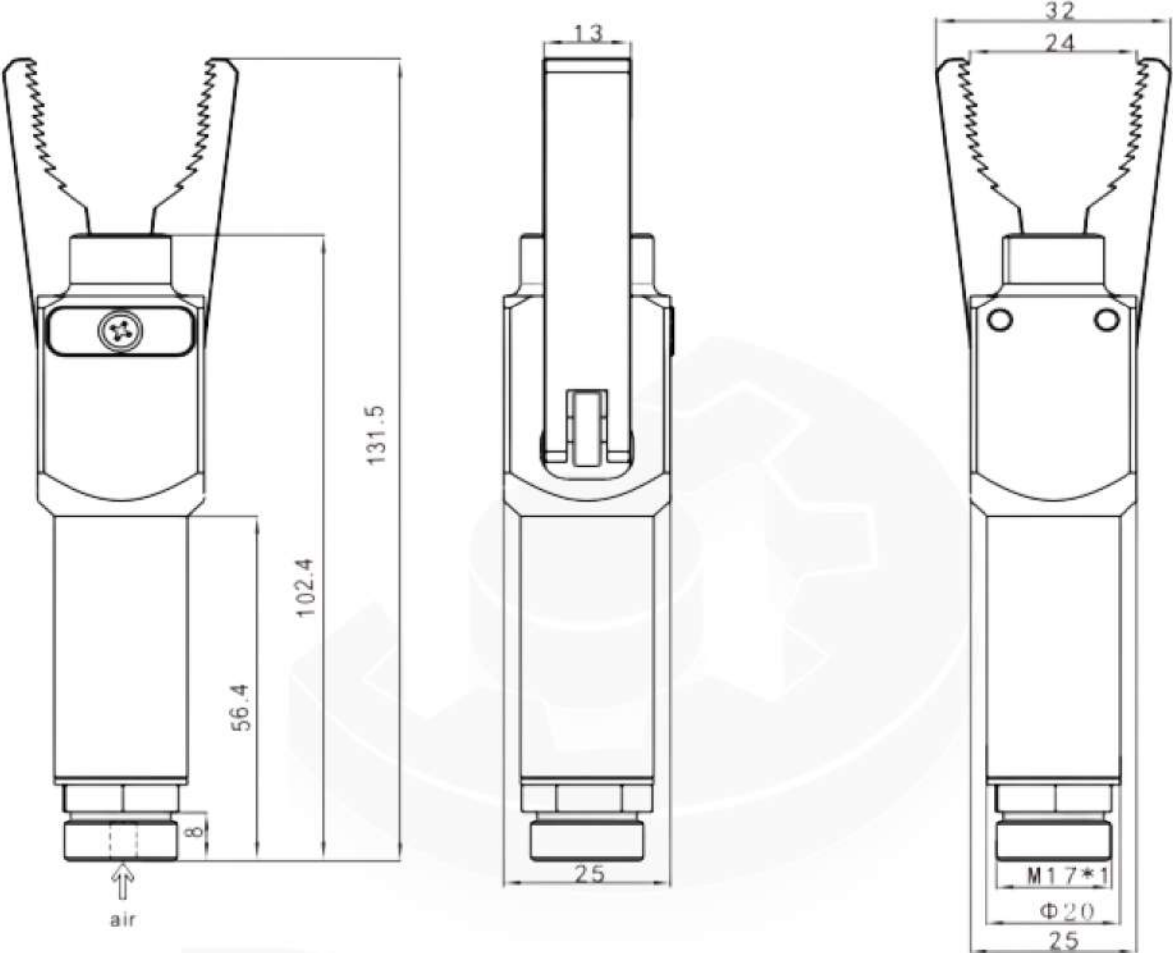
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	190g
Air inlet	M5

GST20B-16

Piston bore: 16mm Single acting
Steel jaws

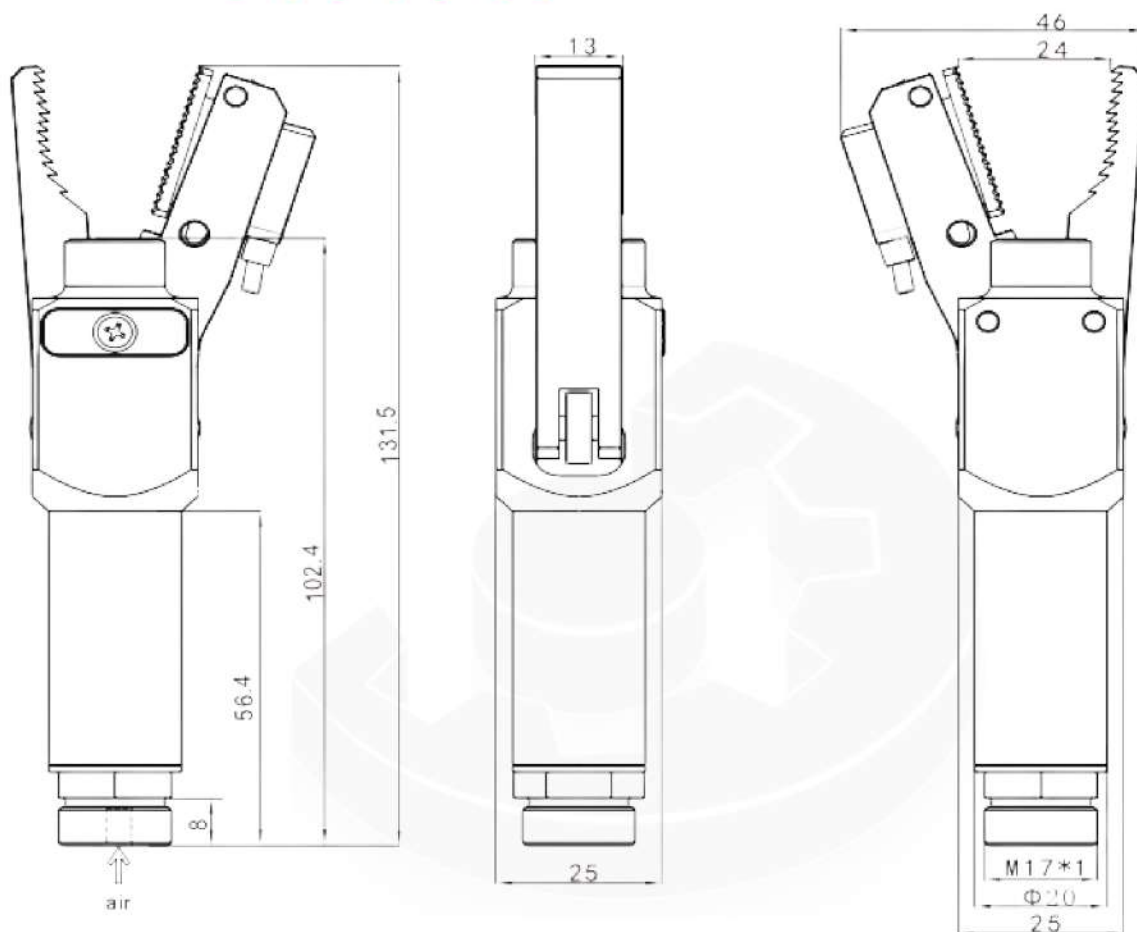


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	165g
Air inlet	M5

GST20B-16-CN / GST20B-16-CP

Piston bore: 16mm
Steel jaws

Single acting
Option 1: CN: NPN
Option 2: CP: PNP

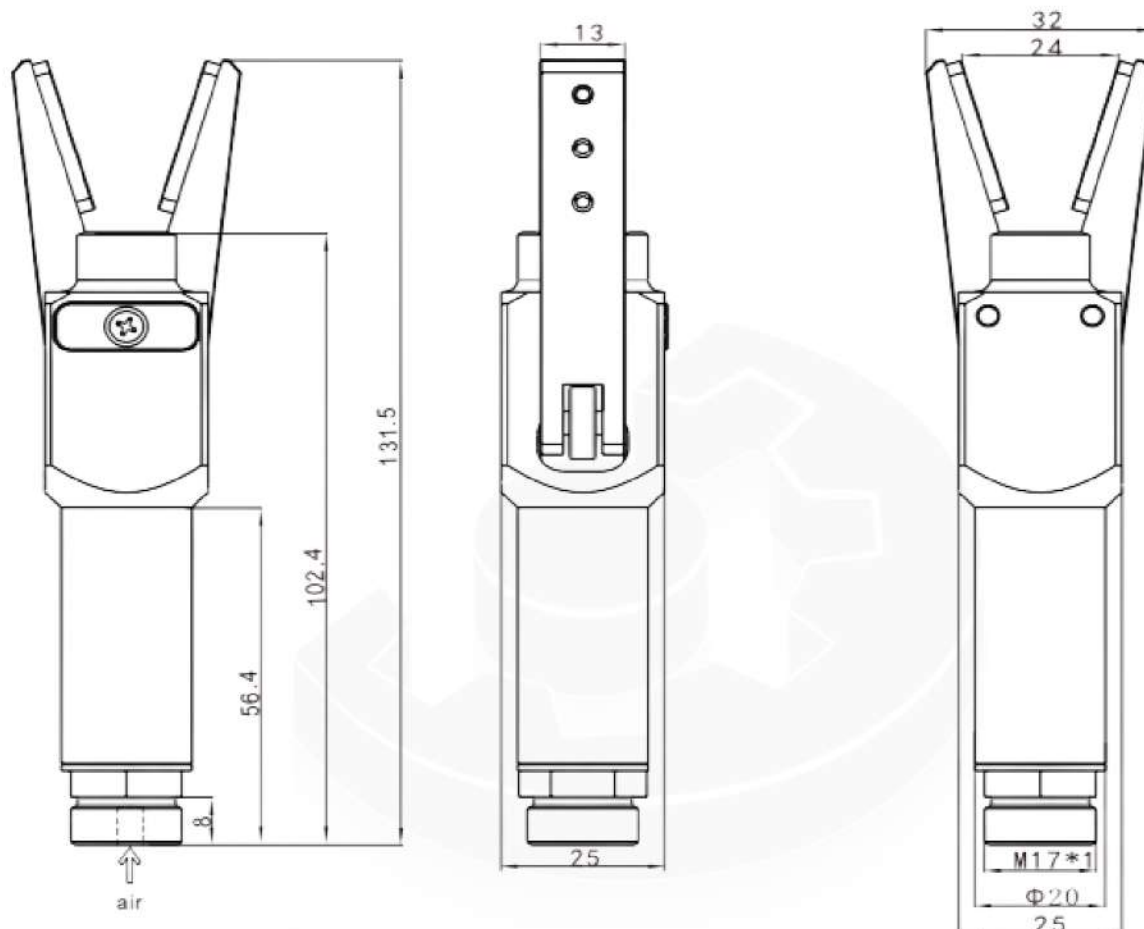


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	190g
Air inlet	M5

GST20C-16

Piston bore: 16mm
Steel jaws

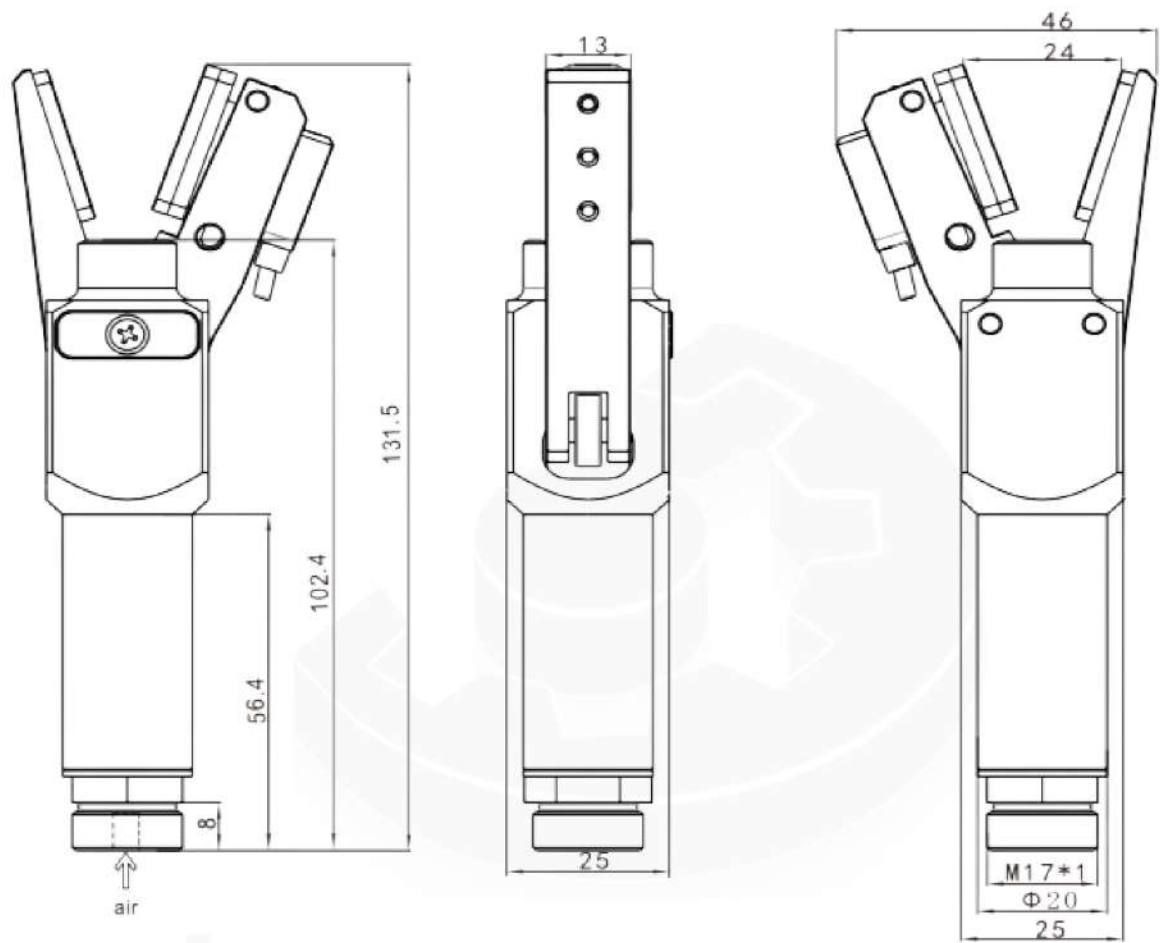
Single acting
Silicone pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	165g
Air inlet	M5

GST20C-16-CN / GST20C-16-CP

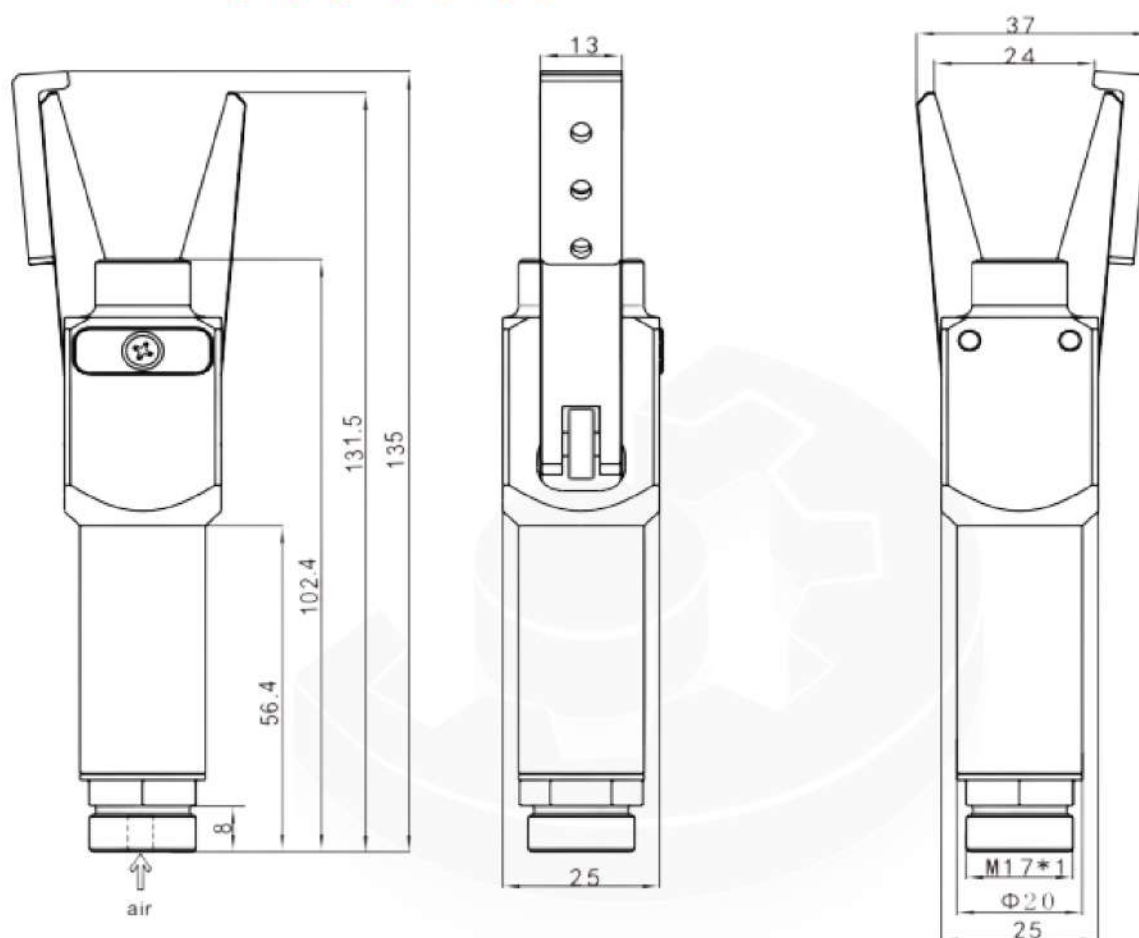
Piston bore: 16mm Single acting Silicone pads
Steel jaws
Option 1: CN: NPN
Option 2: CP: PNP



	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	190g
Air inlet	M5

GST20D-16

Piston bore: 16mm Single acting
Steel jaws

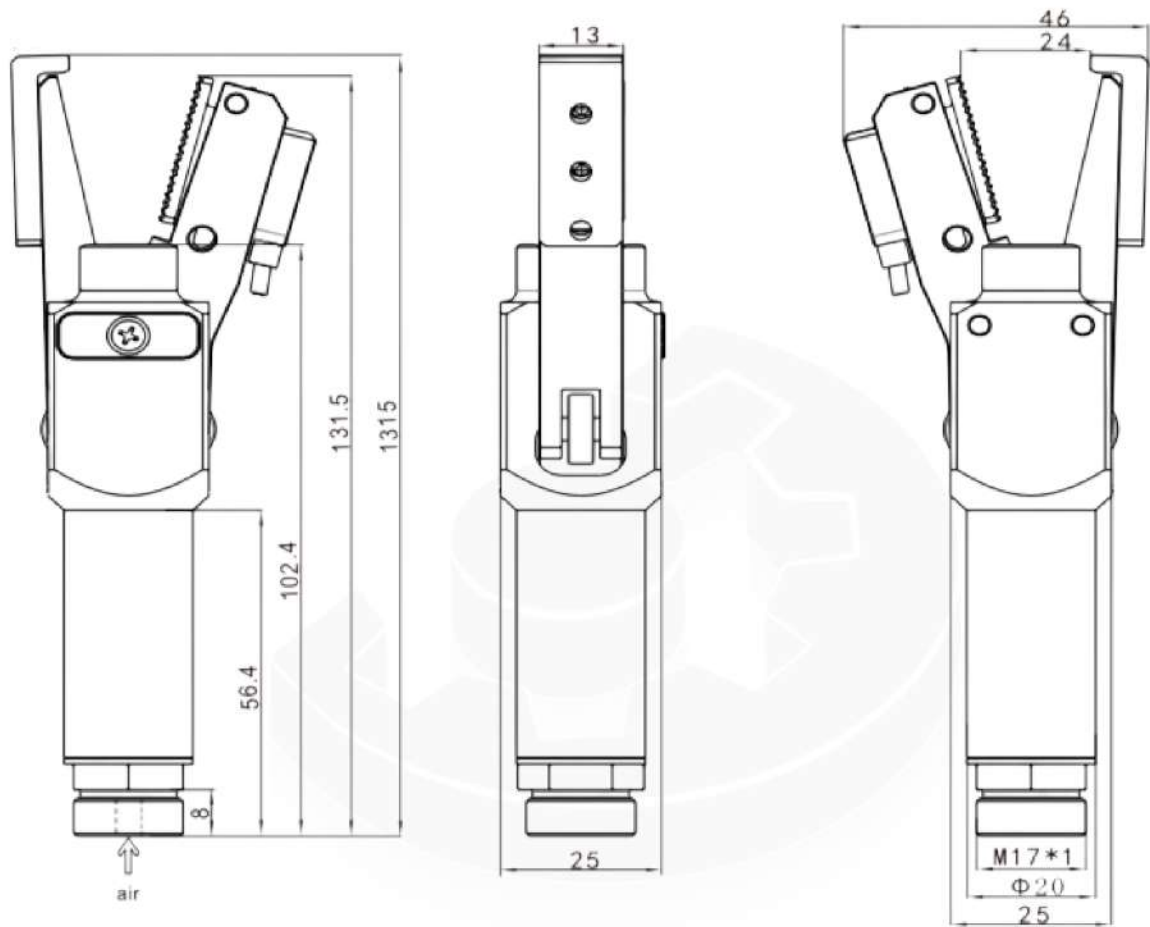


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	165g
Air inlet	M5

GST20D-16-CN / GST20D-16-CP

Piston bore: 16mm
Steel jaws

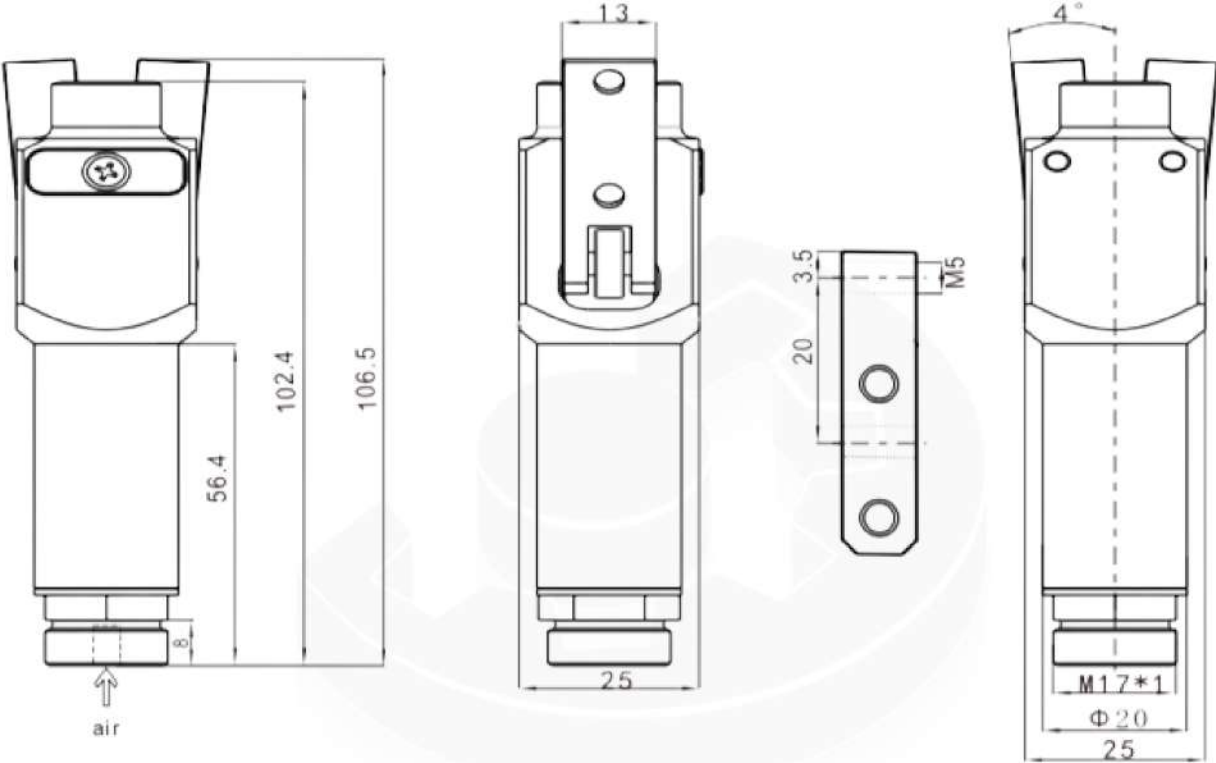
Single acting
Option 1: CN: NPN
Option 2: CP: PNP



	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	190g
Air inlet	M5

GST20E-16

Piston bore: 16mm
Steel jaws
Single acting
Custom jaws

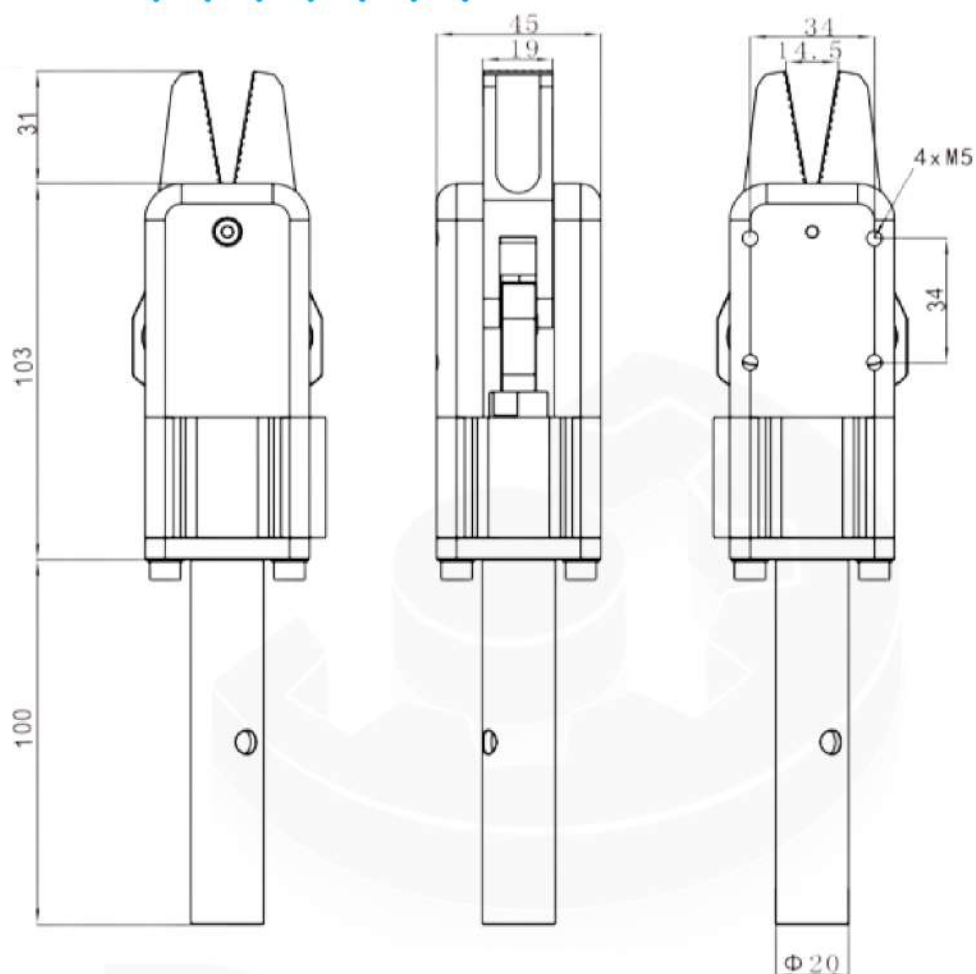


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	2x15°
Maximum working frequency	2Hz
Cicle air consumption	3.6cm ³
Closing time without load	0.01s
Closing gripping torque	300N/cm
Opening gripping torque	20N/cm
Weight	165g
Air inlet	M5

STRONG SPRUE GRIPPER GSRP32-A

Cylinder push
Steel jaws

Double acting

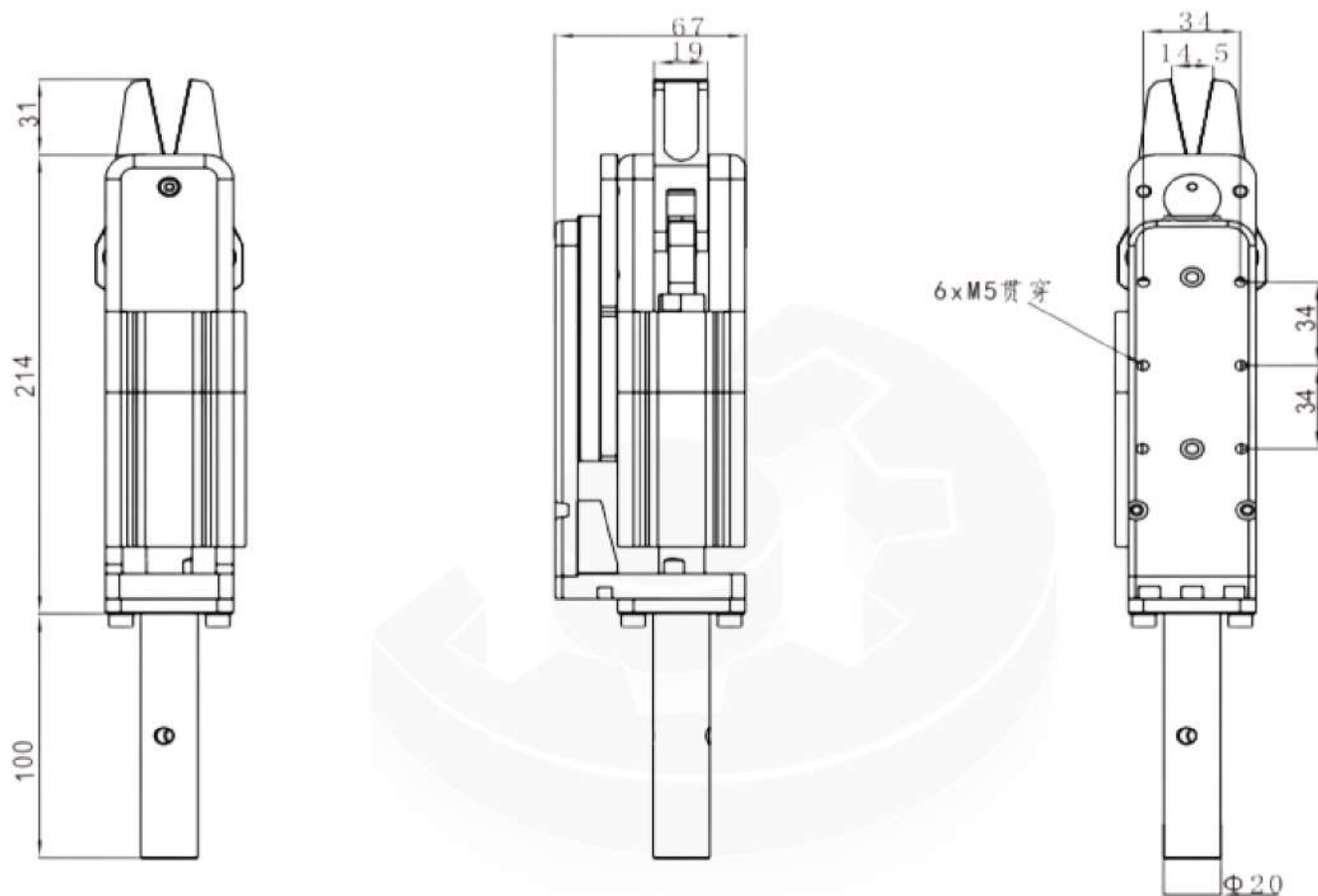


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Jaw Stroke	2x10°
Slip stroke	-----
Closing gripping torque	375N/cm
Weight	1350g
Air inlet	C1/8

STRONG SPRUE GRIPPER GSRP32-A-30

Cylinder push
Steel jaws

Double acting

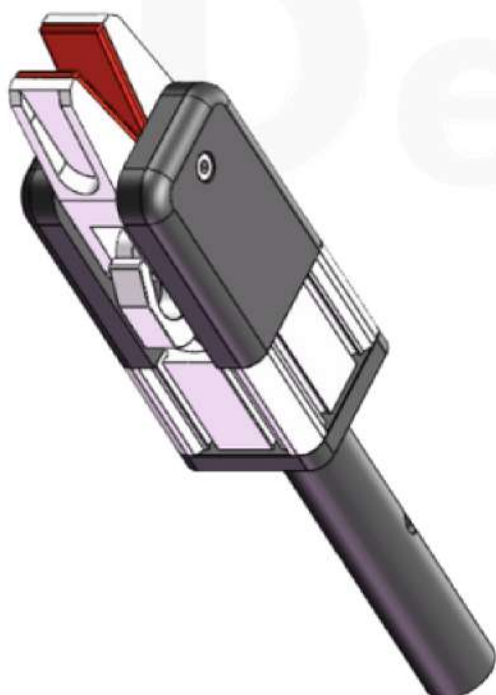
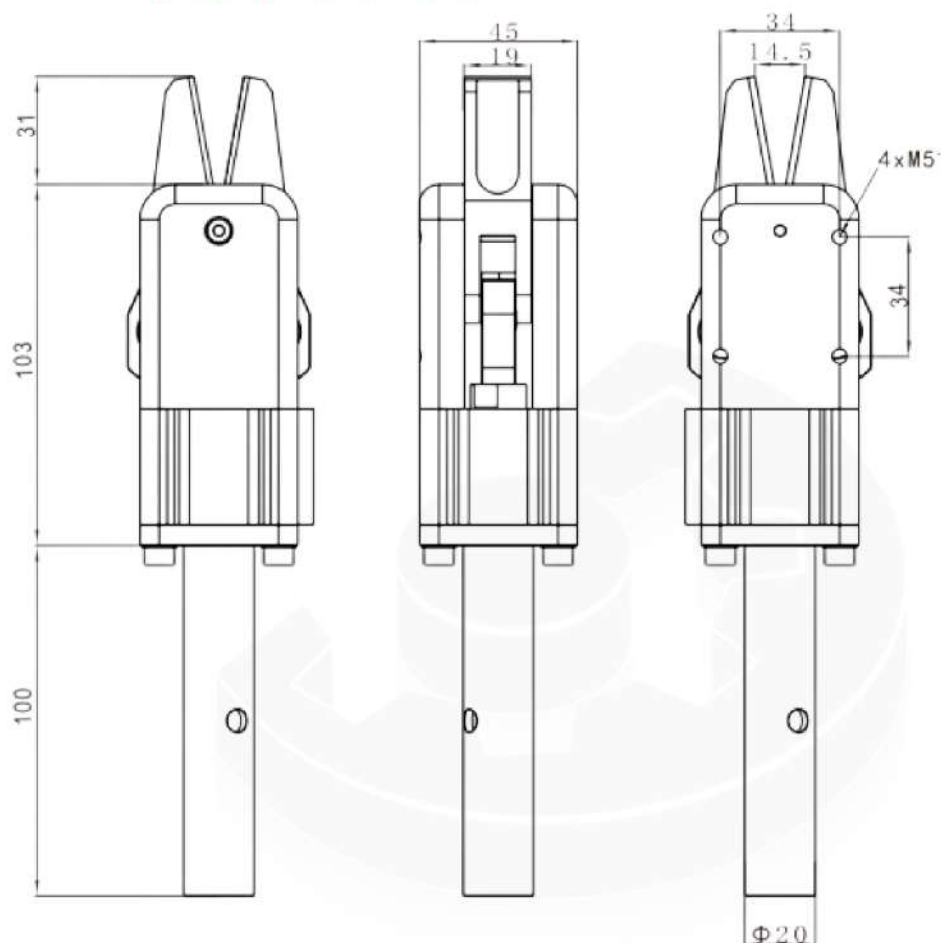


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Jaw Stroke	2x10°
Slip stroke	30mm
Closing gripping torque	375N/cm
Weight	1350g
Air inlet	C1/8

STRONG SPRUE GRIPPER GSRP32-B

Cylinder push
Steel jaws

Double acting
Silicone pads

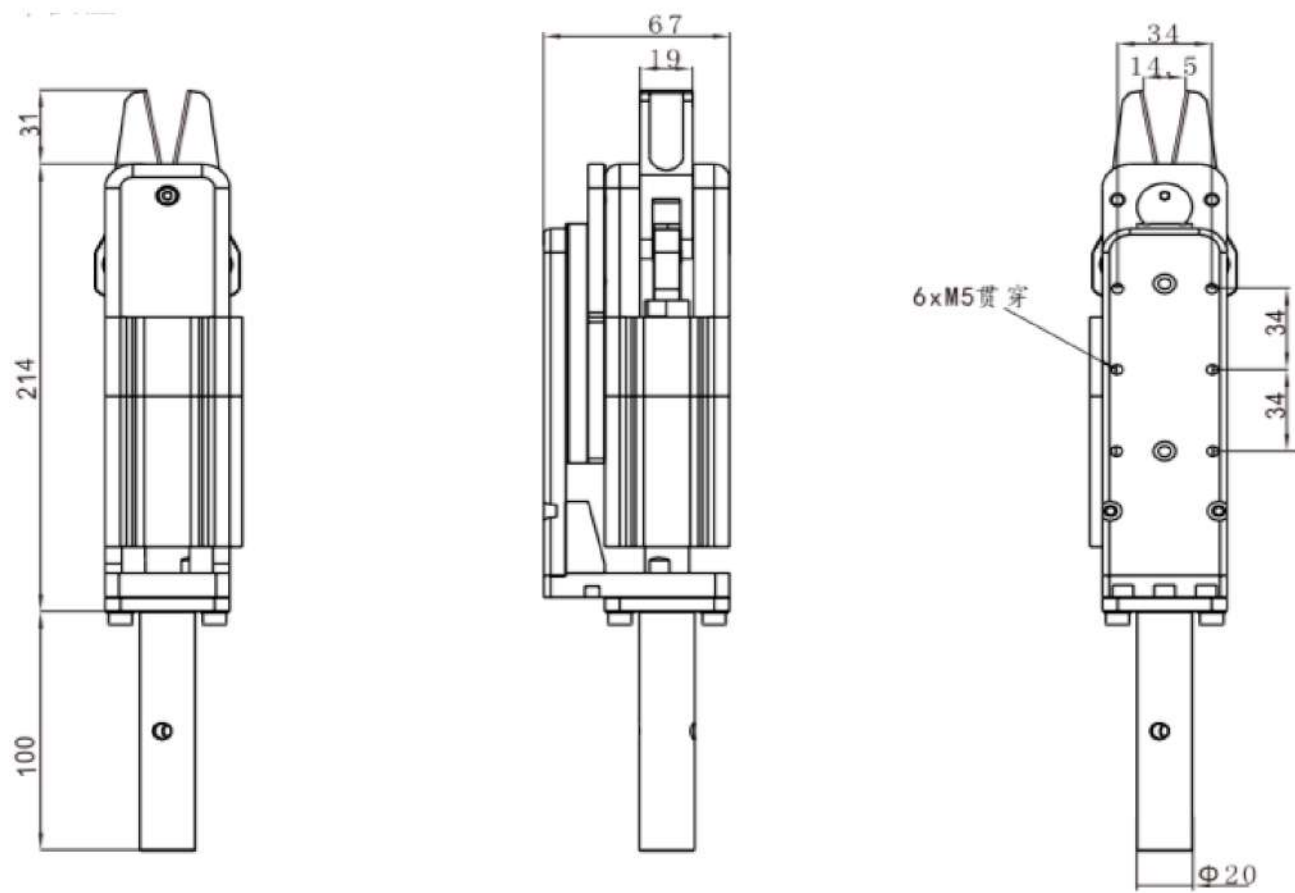


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Jaw Stroke	2x10°
Slip stroke	30mm
Closing gripping torque	375N/cm
Weight	1350g
Air inlet	C1/8

STRONG SPRUE GRIPPER
GSRP32-B-30

Cylinder push
Steel jaws

Double acting
Silicone pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Jaw Stroke	2x10°
Slip stroke	30mm
Closing gripping torque	375N/cm
Weight	1350g
Air inlet	C1/8

FINGER GRIPPER

MODEL SECTION

Standard type _____ **GSR 20 - 95 - G** _____ Sensor type **CN: NPN**
Dimension _____ | _____ Bore **CP: PNP**
Jaw Type



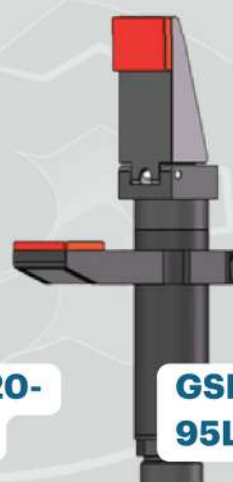
GSR20-21G



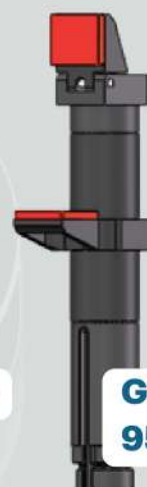
GSR14-35



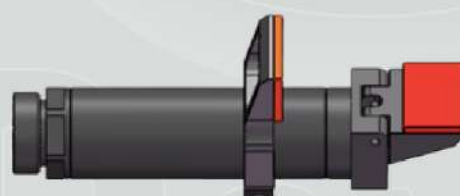
GSR20-35W



GSR20-95LG

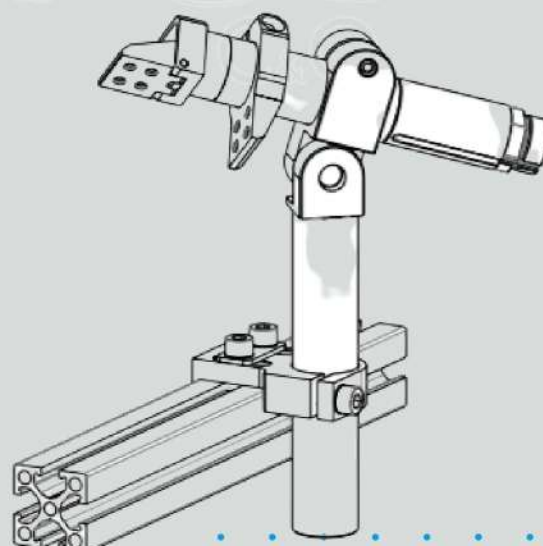
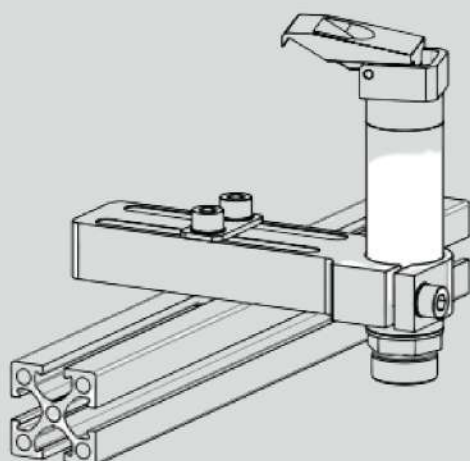


GSR20-95GS



GSR30-95G

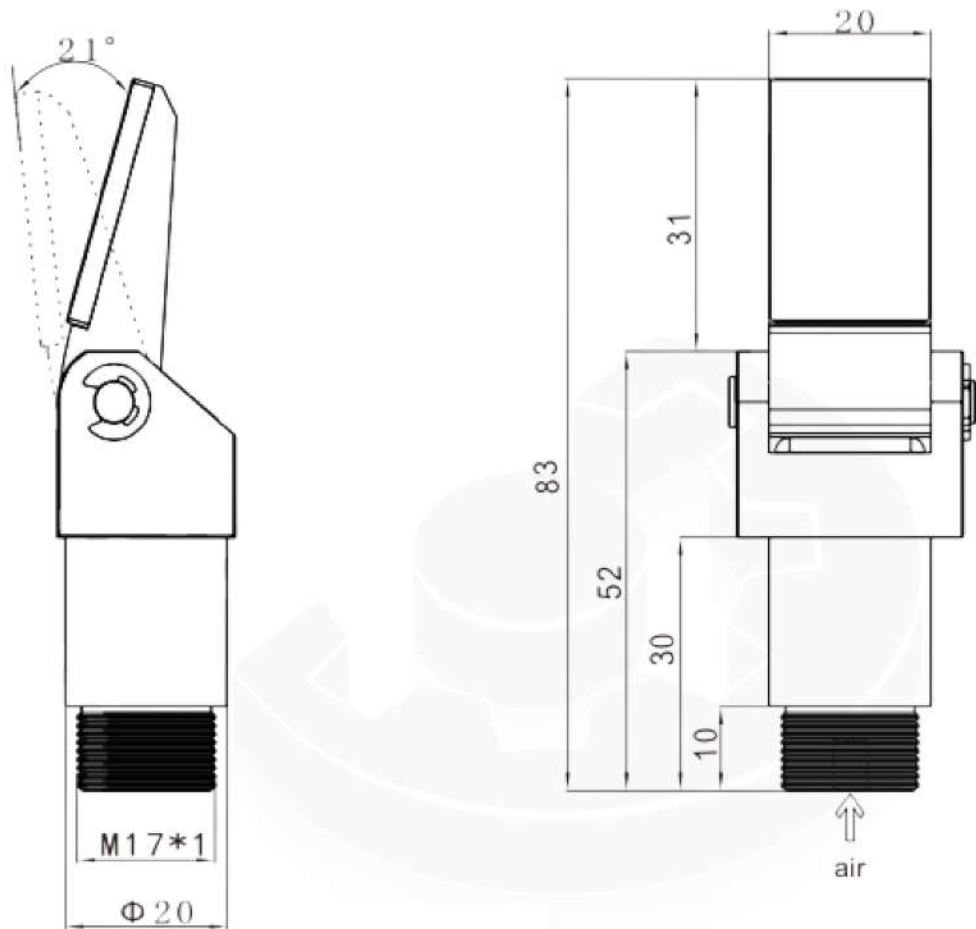
APPLICATION EXAMPLE



GSR20-21

Piston bore: 16mm

Single acting
Silicone pads

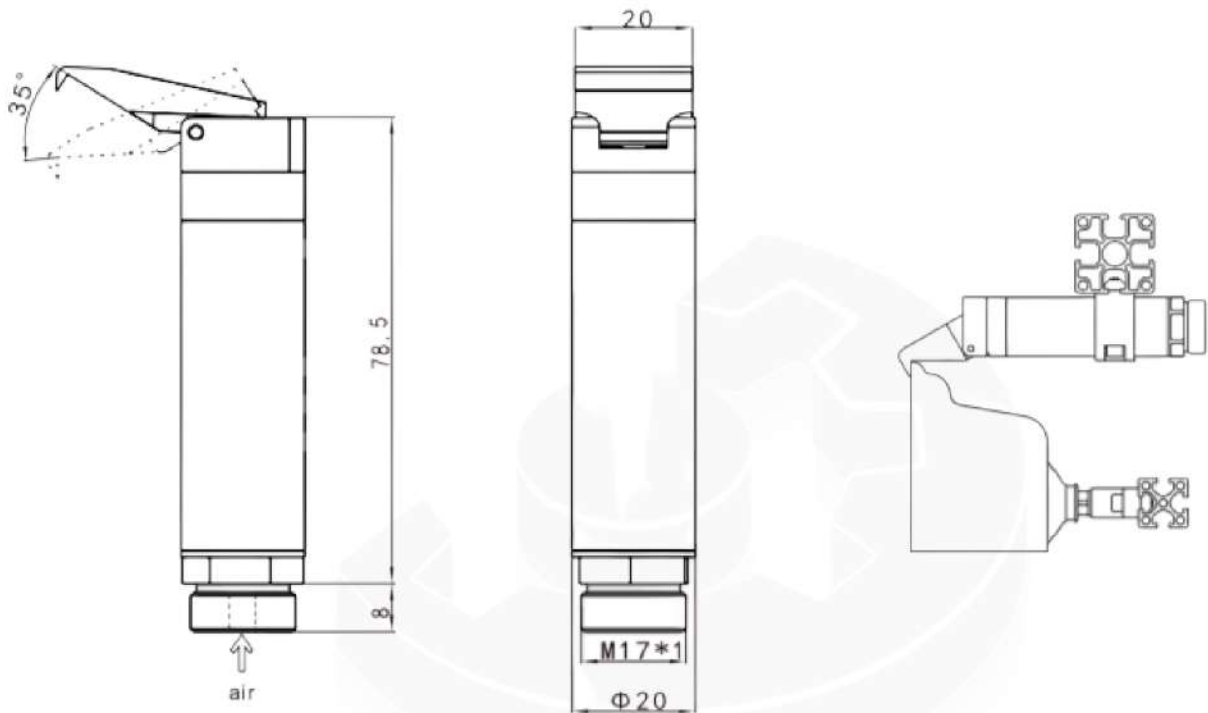


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	21°
Maximum working frequency	3Hz
Cicle air consumption	1.24cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	37g
Air inlet	M5

GSR20-35-W

Piston bore: 16mm

Single acting

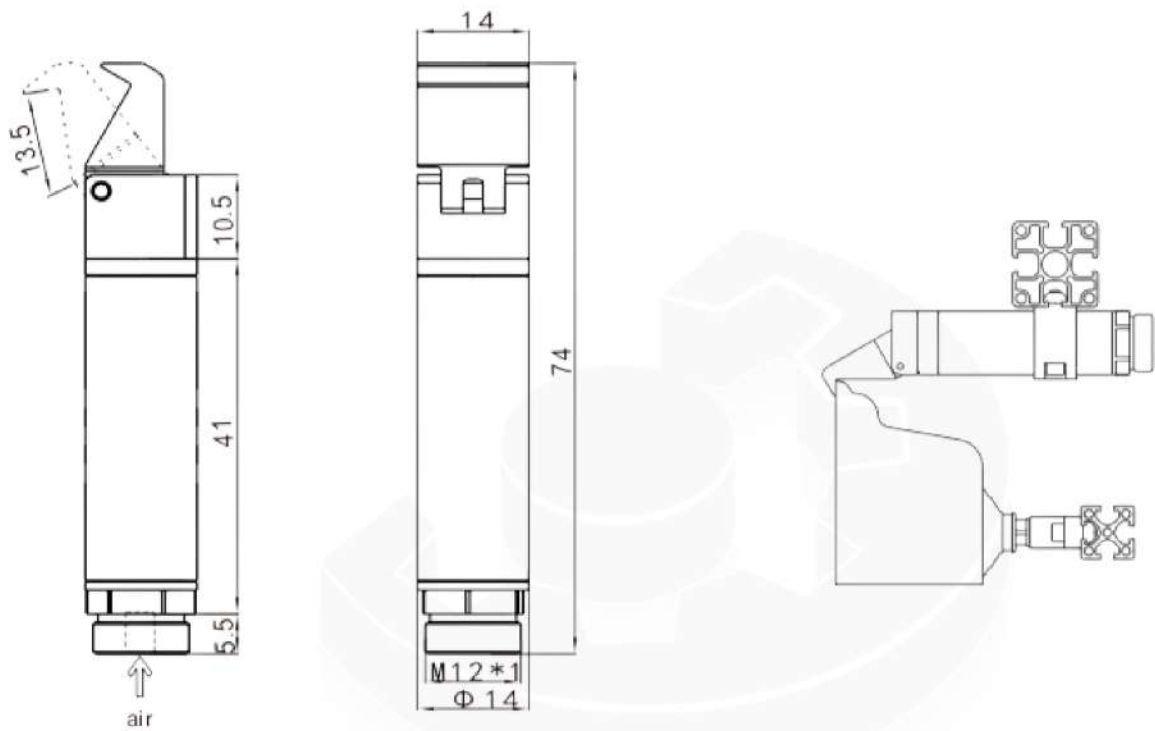


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	21°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	60g
Air inlet	M5

GSR14-35

Piston bore: 10mm

Single acting

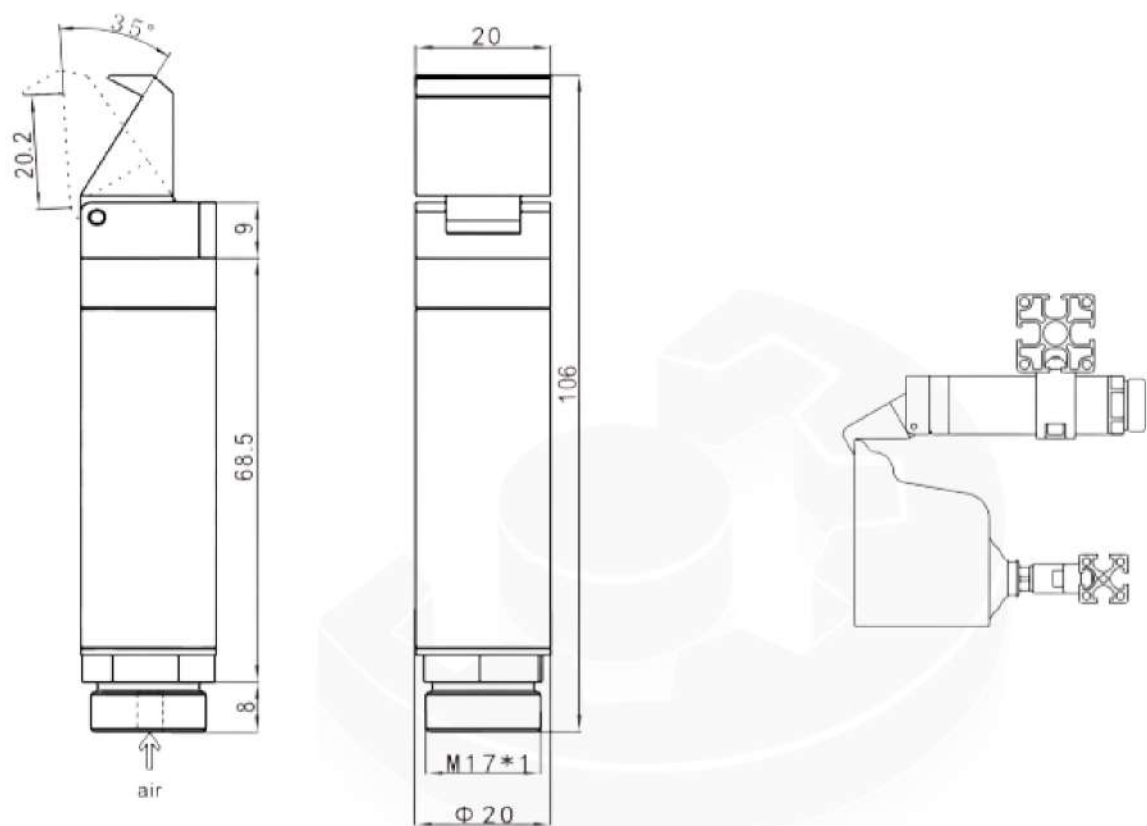


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	0.4cm
Closing time without load	0.01s
Closing gripping torque	26N/cm
Weight	25g
Air inlet	M5

GSR20-35

Piston bore: 16mm

Single acting

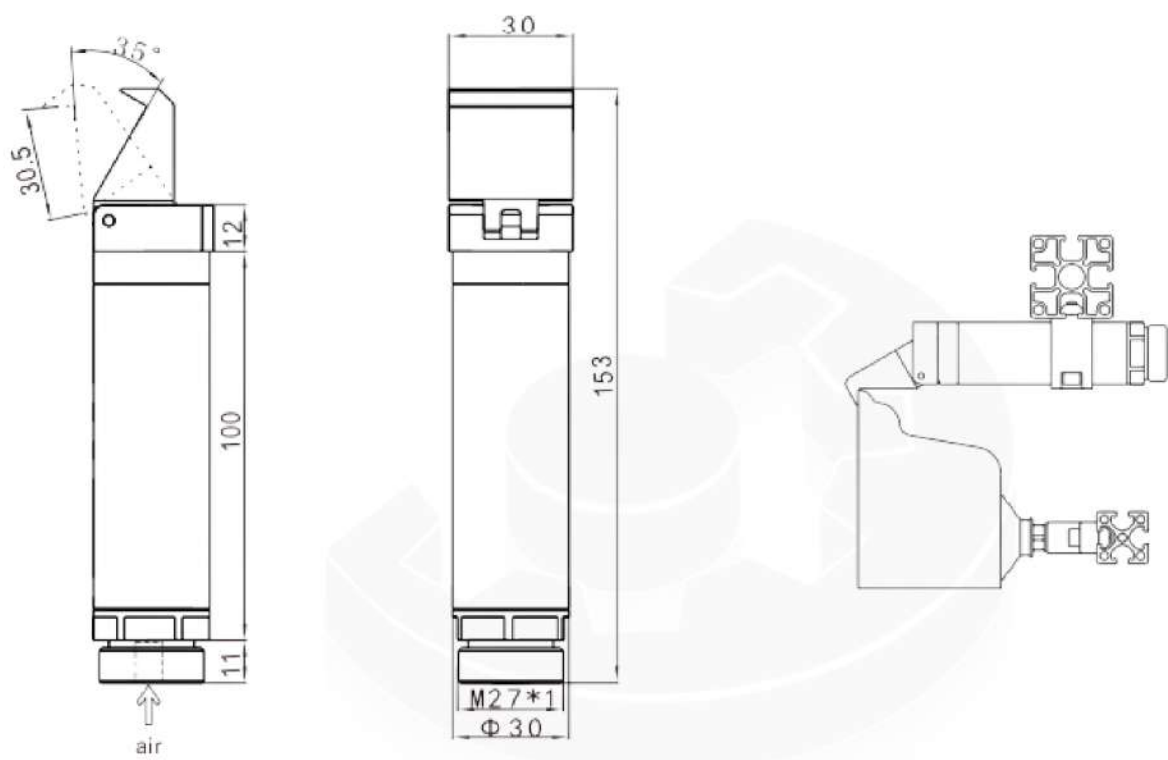


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	65g
Air inlet	M5

GSR30-35

Piston bore: 25mm

Single acting



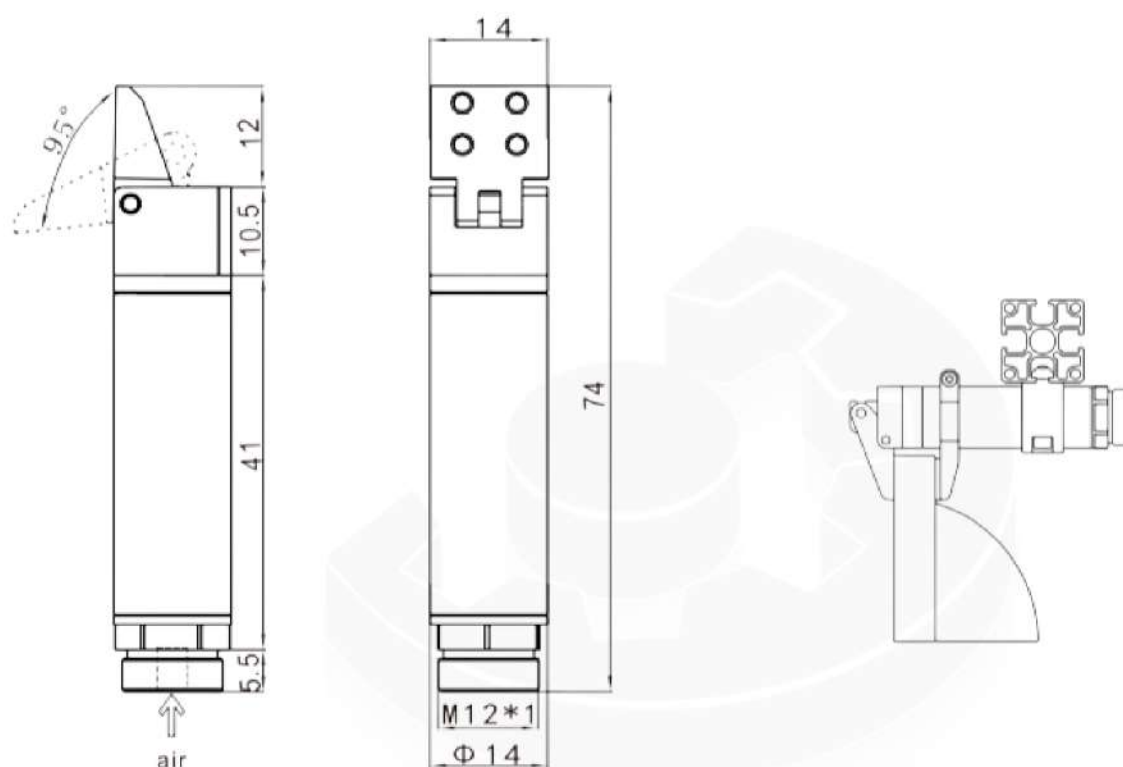
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	4.56cm
Closing time without load	0.01s
Closing gripping torque	430N/cm
Weight	206g
Air inlet	C1/8

GSR14-95

Piston bore: 10mm

Single acting

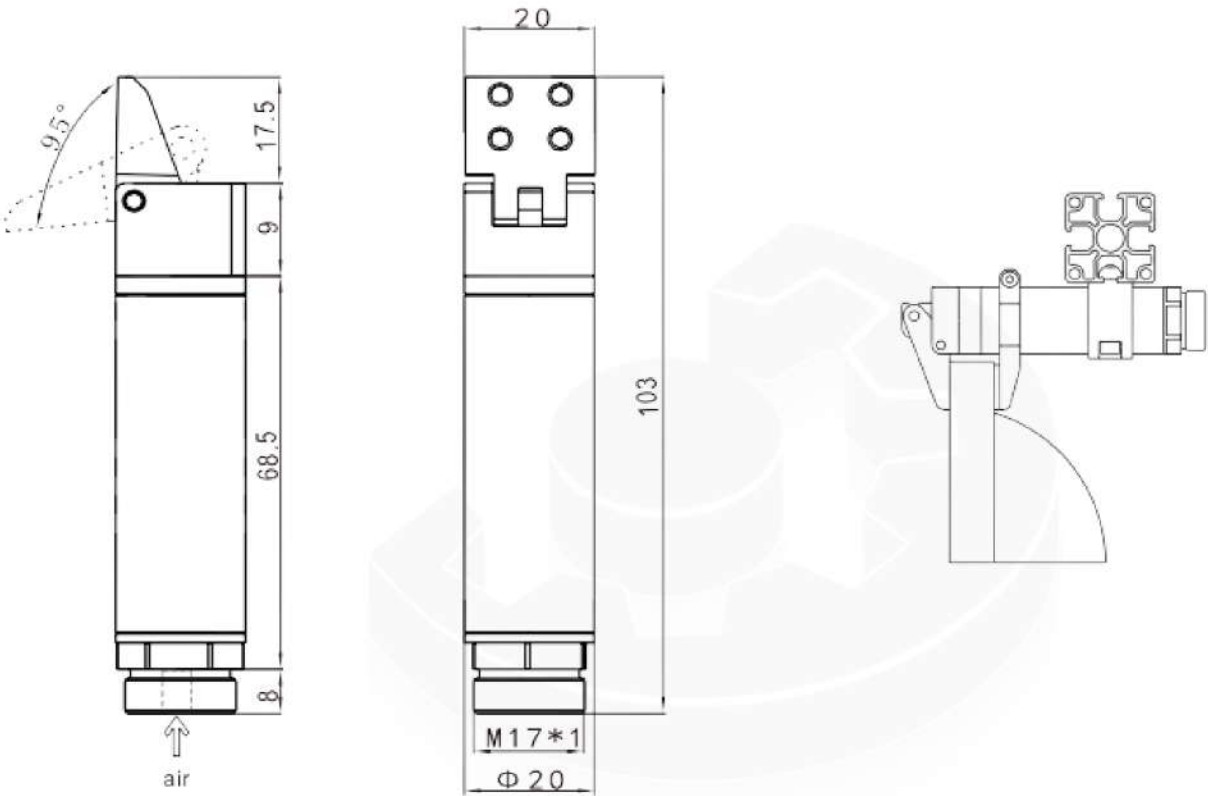
Optional magnetic sensors



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	25g
Air inlet	M5

GSR20-95

Piston bore: 16mm Single acting
Optional magnetic sensors



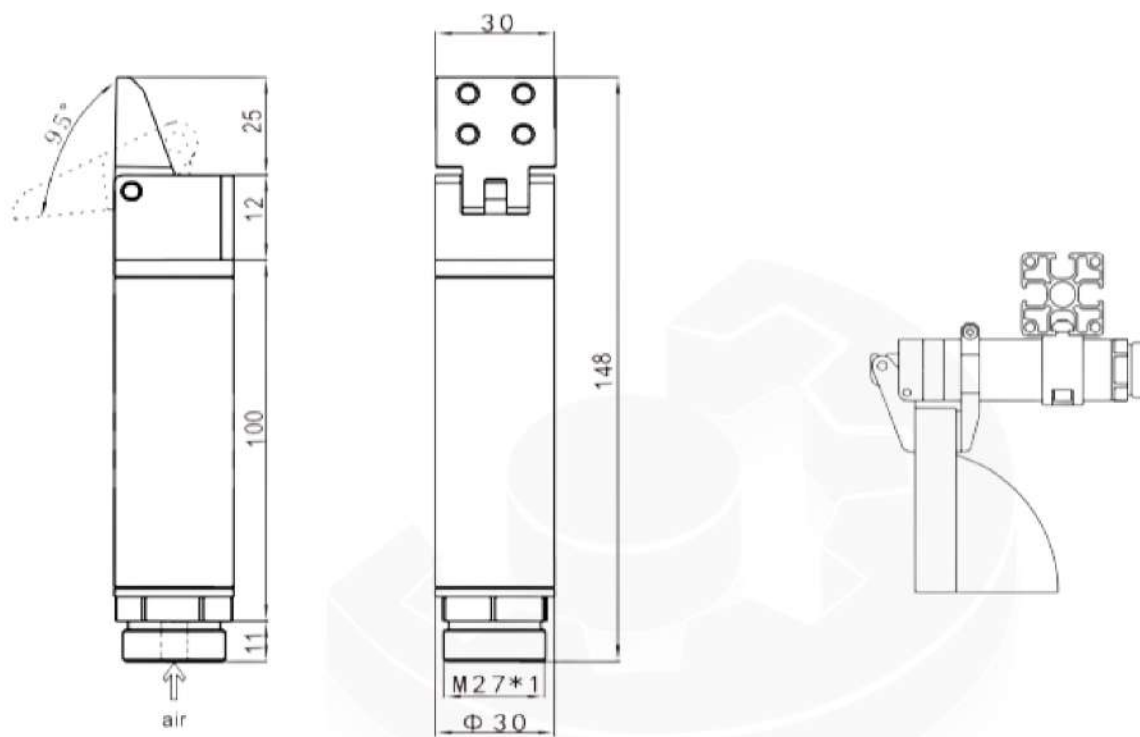
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	1.24cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	60g
Air inlet	M5

GSR30-95

Piston bore: 25mm

Single acting

Optional magnetic sensors



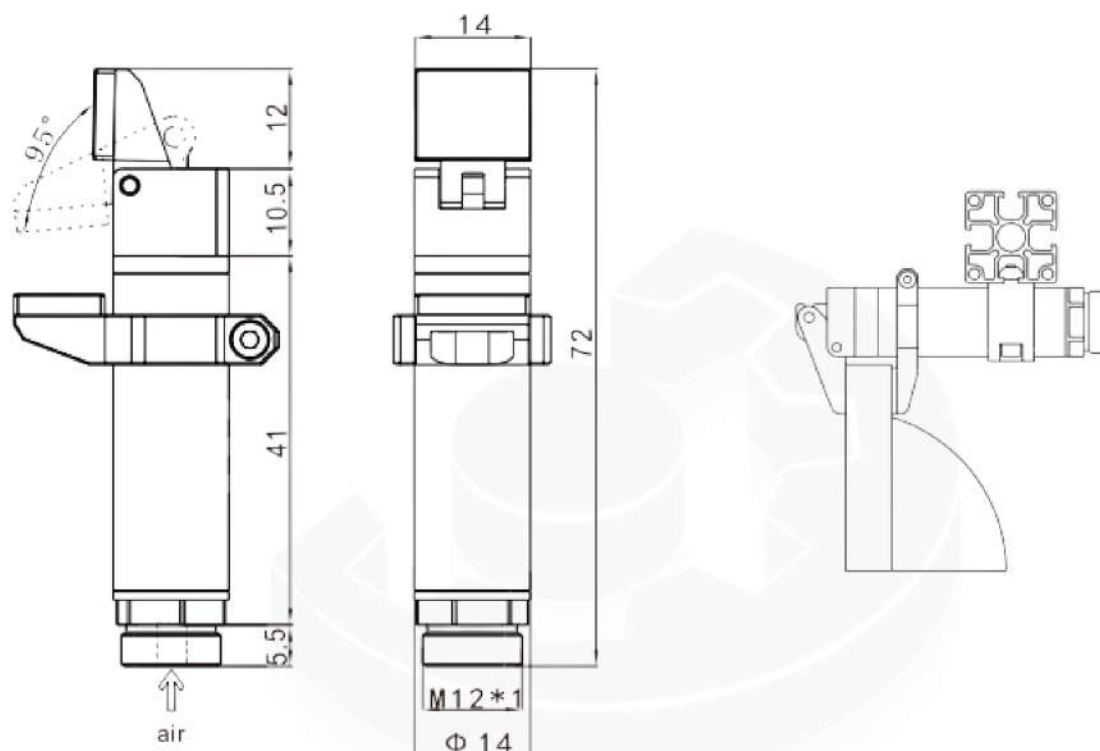
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	35°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	100N/cm
Weight	193g
Air inlet	M5

GSR14-95G

Piston bore: 10mm
Optional magnetic sensors

Single acting

Silicone pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	0.4cm
Closing time without load	0.01s
Closing gripping torque	19N/cm
Weight	36g
Air inlet	M5

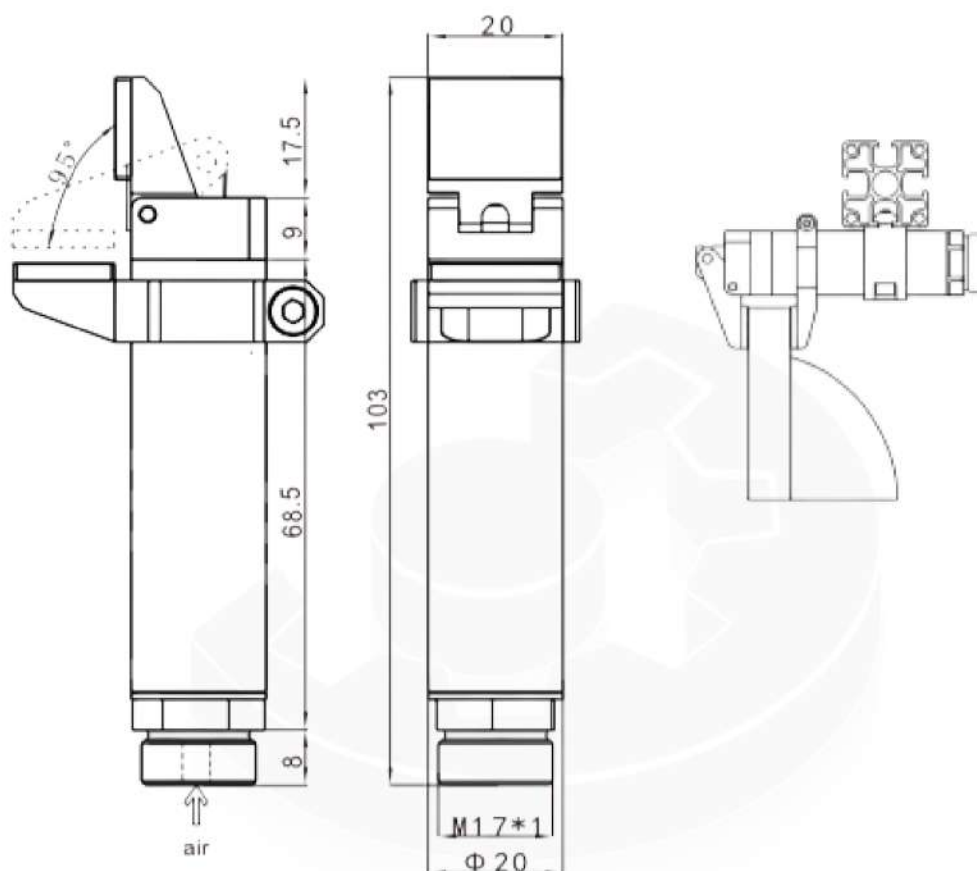
GSR20-95G

Piston bore: 16mm

Optional magnetic sensors

Single acting

Silicone pads



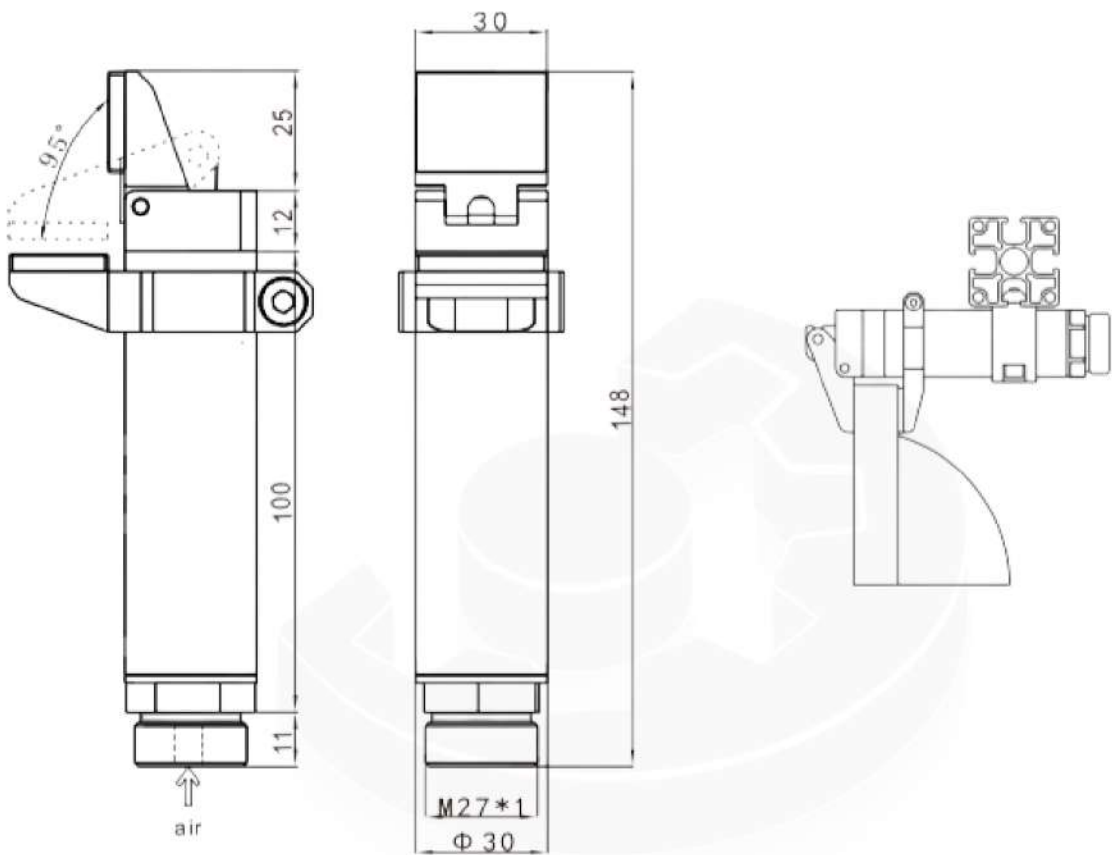
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	70N/cm
Weight	87g
Air inlet	M5

GSR30-95G

Piston bore: 25mm
Optional magnetic sensors

Single acting

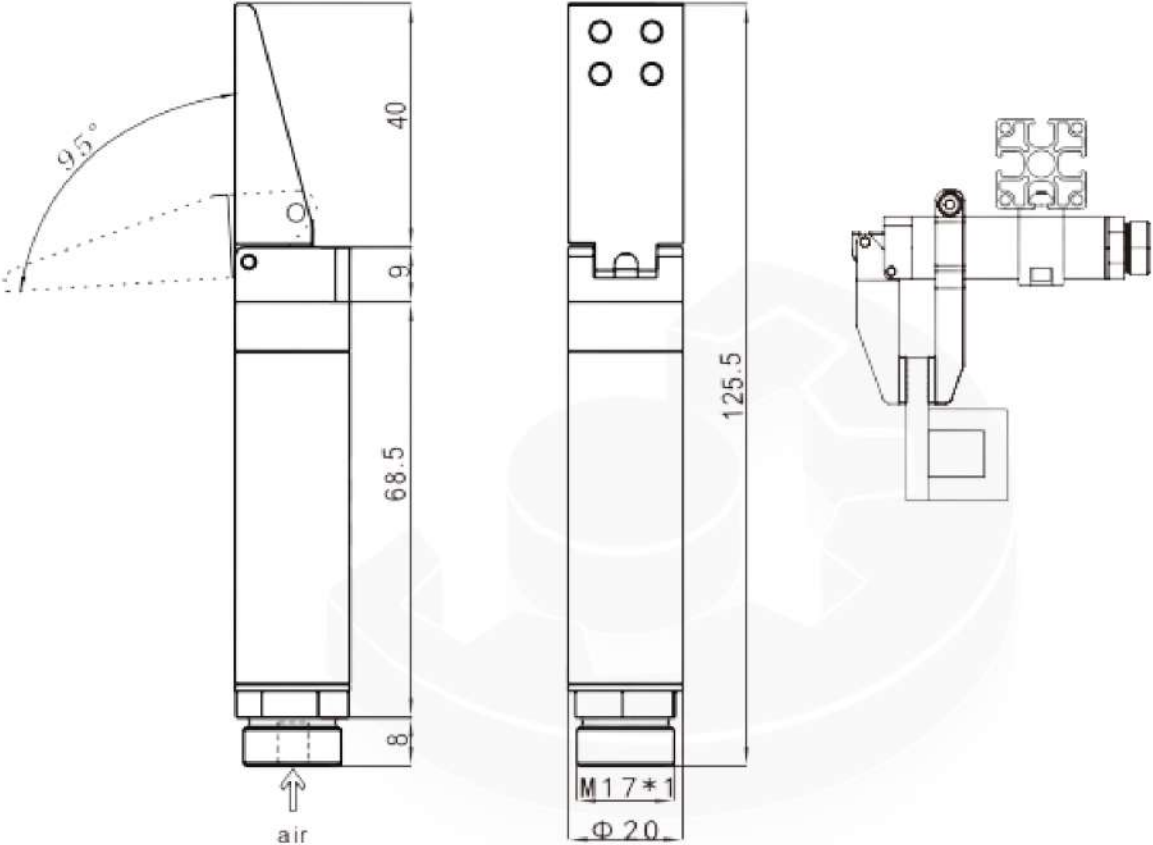
Silicone pads



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	4.56cm
Closing time without load	0.01s
Closing gripping torque	300N/cm
Weight	300g
Air inlet	C1/8

GSR20-95L

Piston bore: 16mm Single acting
Optional magnetic sensors



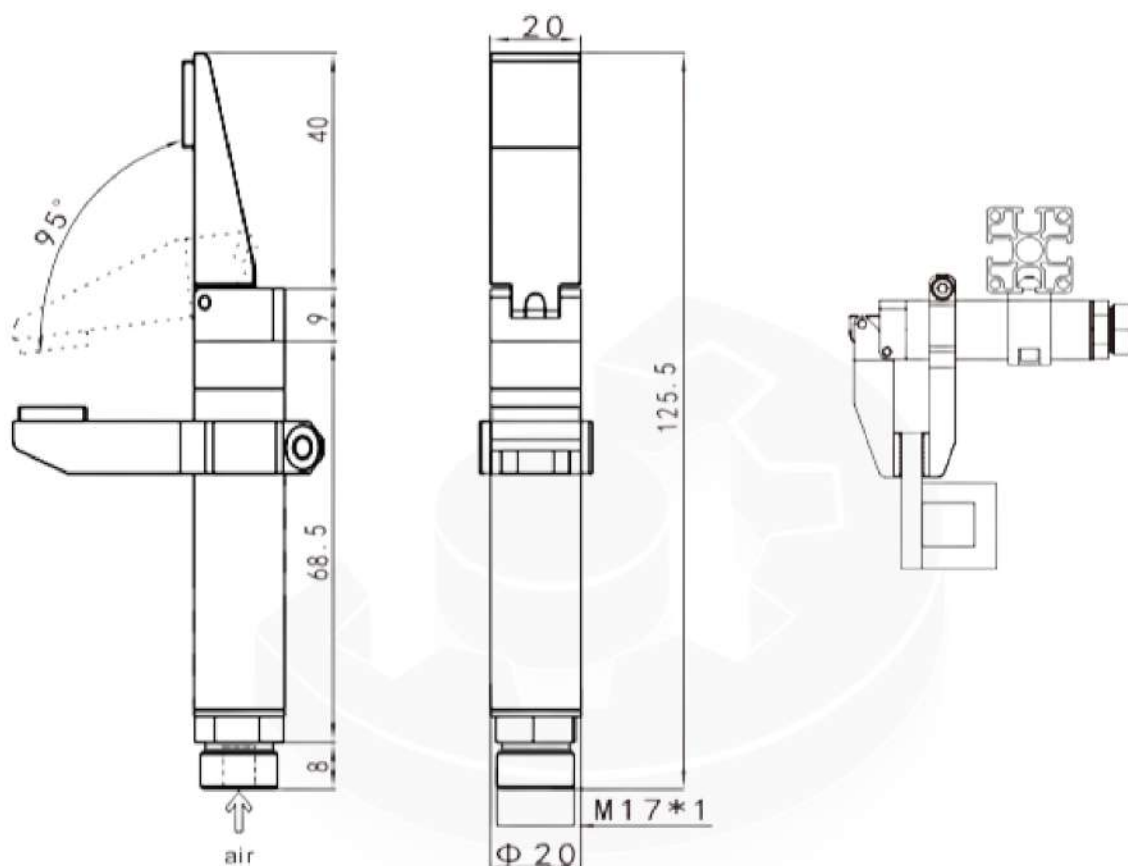
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	0.01s
Closing gripping torque	70N/cm
Weight	80g
Air inlet	M5

GSR20-95LG

Piston bore: 16mm

Single acting

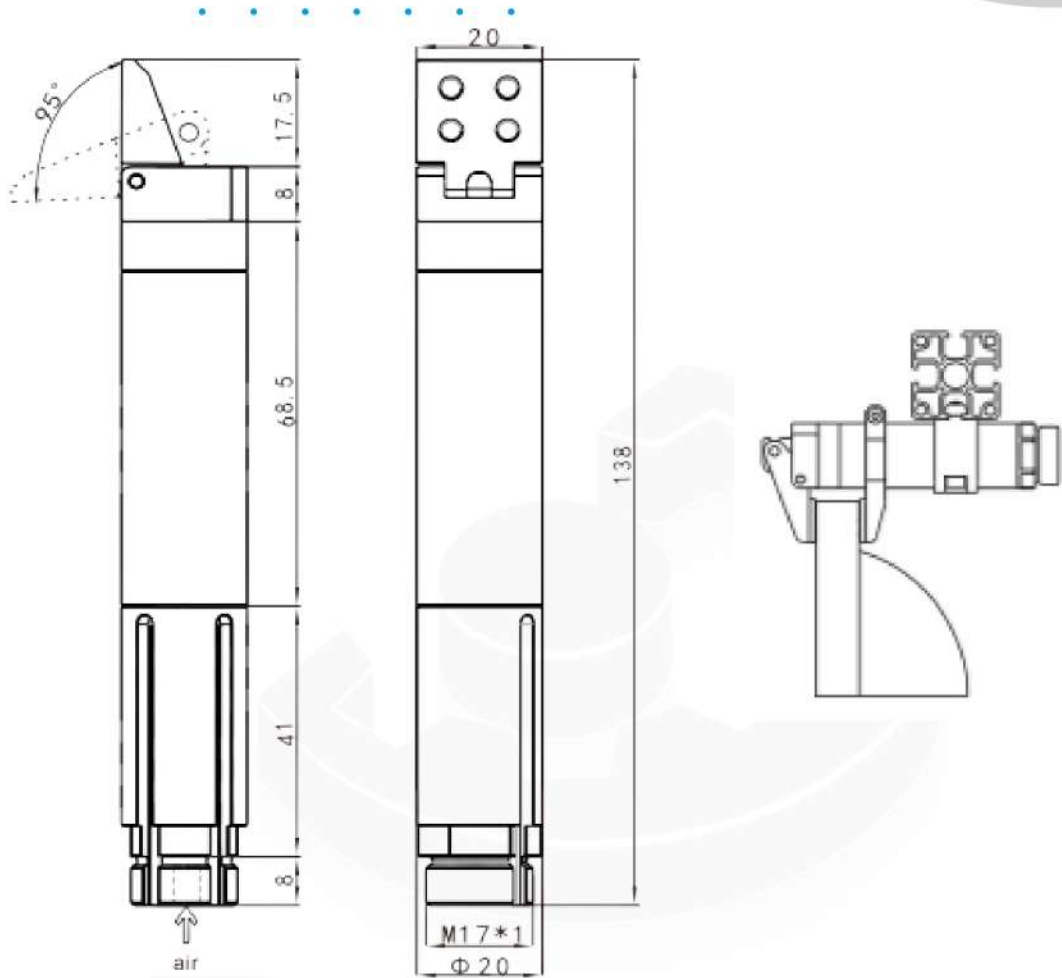
Optional magnetic sensors



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	1.24s
Closing gripping torque	26N/cm
Weight	106g
Air inlet	M5

GSR20-95S

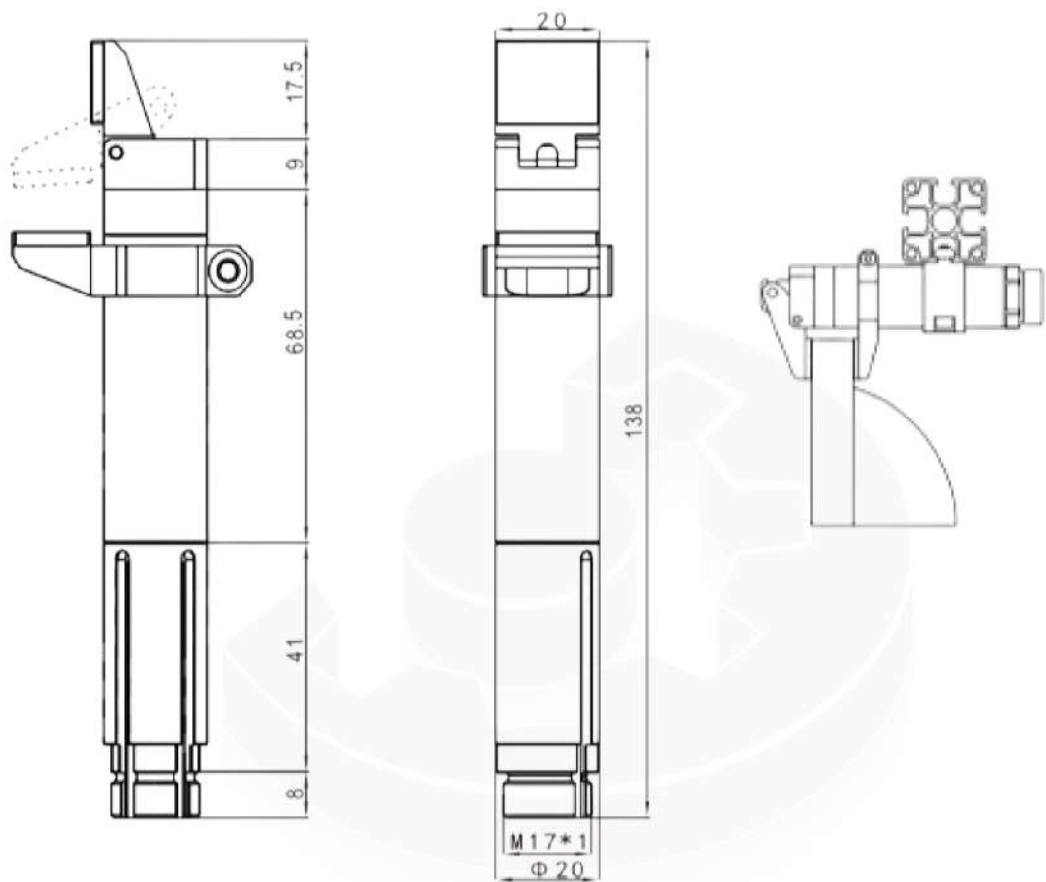
Piston bore: 16mm Single acting
Optional magnetic sensors



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	1.24cm
Closing time without load	1.24s
Closing gripping torque	26N/cm
Weight	90g
Air inlet	M5

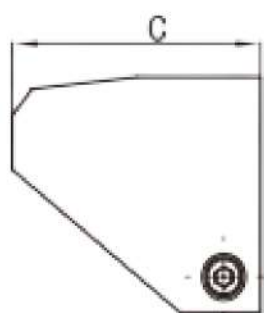
GSR20-95SG

Piston bore: 16mm Single acting
Optional magnetic sensors

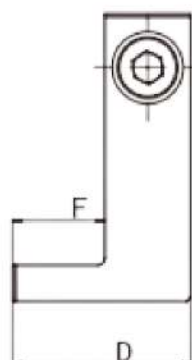
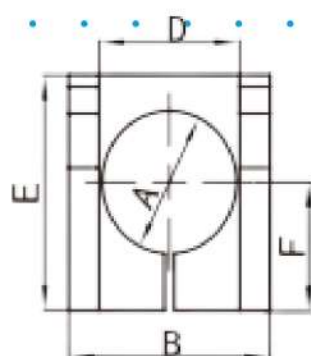


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	95°
Maximum working frequency	3Hz
Cicle air consumption	3.52cm
Closing time without load	1.24s
Closing gripping torque	26N/cm
Weight	104g
Air inlet	M5

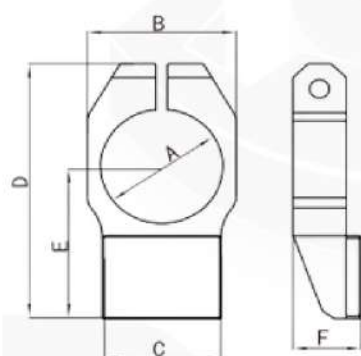
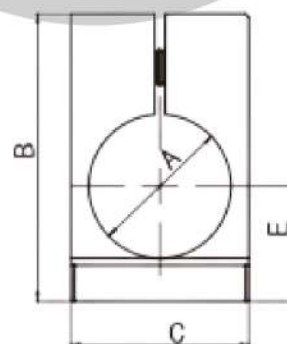
FINGER GRIPPER OPTIONS



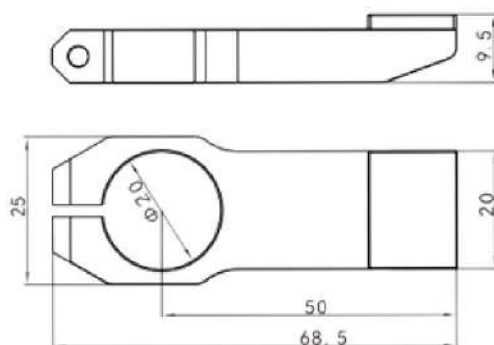
Gs1 Series



Gs2 Series



Gs3 Series



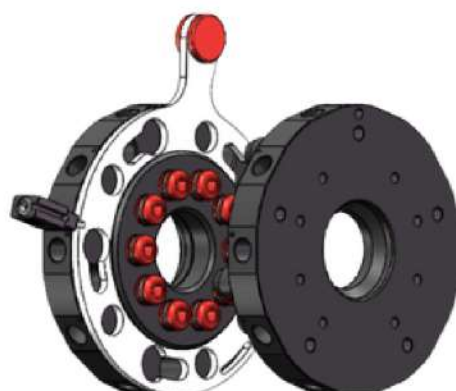
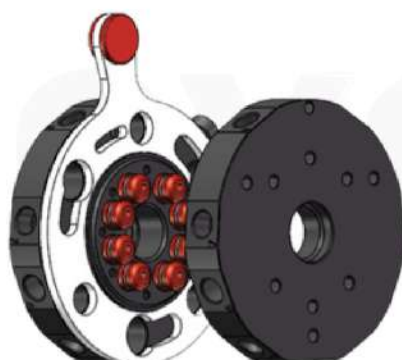
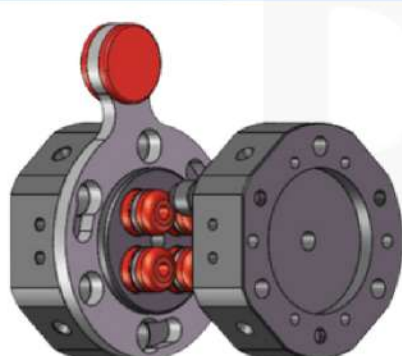
Gs3-20L



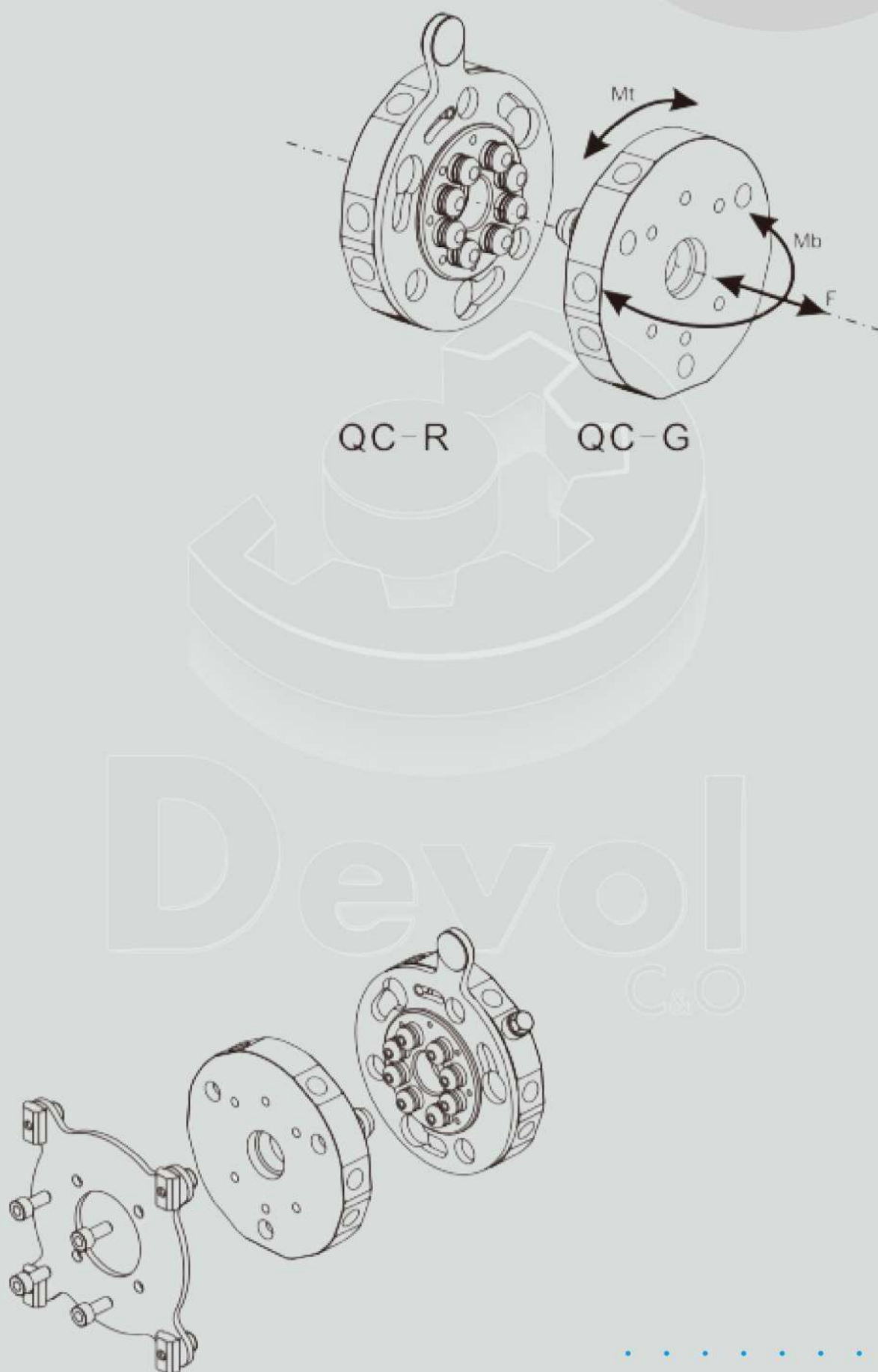
FINGER GRIPPER OPTIONS

Model I	A	B	C	D	E	F	Weight
GS1-20	20	30	37	21	33	15	20g
GS1-30	30	45	65	32	44	20	60g
GS2-14	14	24	19	12	11	6	5g
GS2-20	20	35	25	25	16	13	14g
GS2-30	30	45	35	25	21	13	23g
GS3-14	14	19	14	32	19	10	6g
GS3-20	20	25	20	43.5	27.5	9.5	12g
GS3-30	30	37	30	63	40	12	30g

QUICK CHANGER



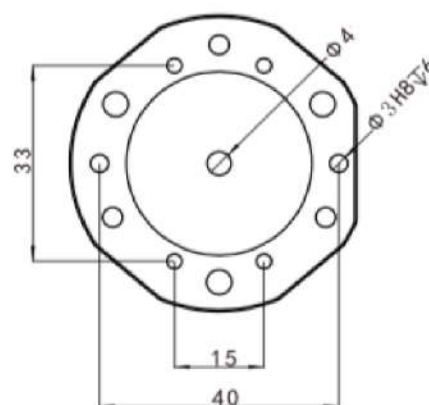
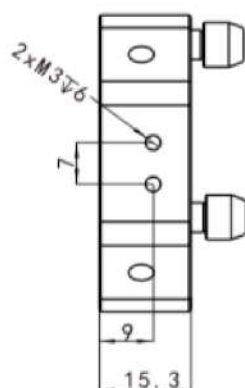
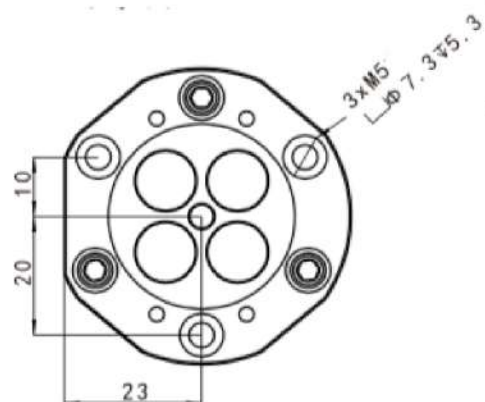
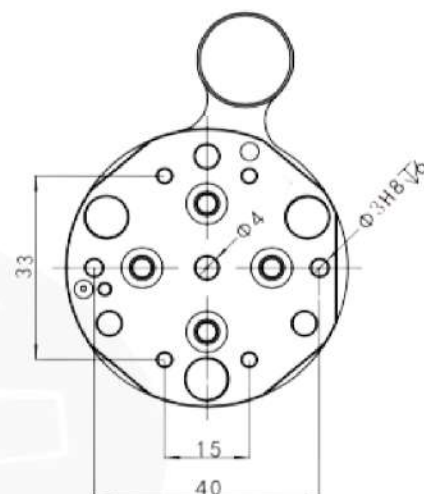
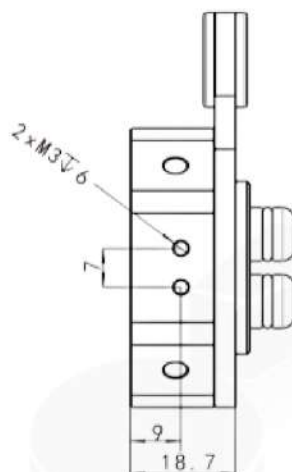
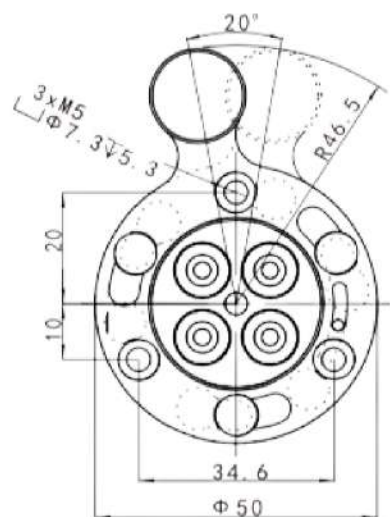
APPLICATION EXAMPLE

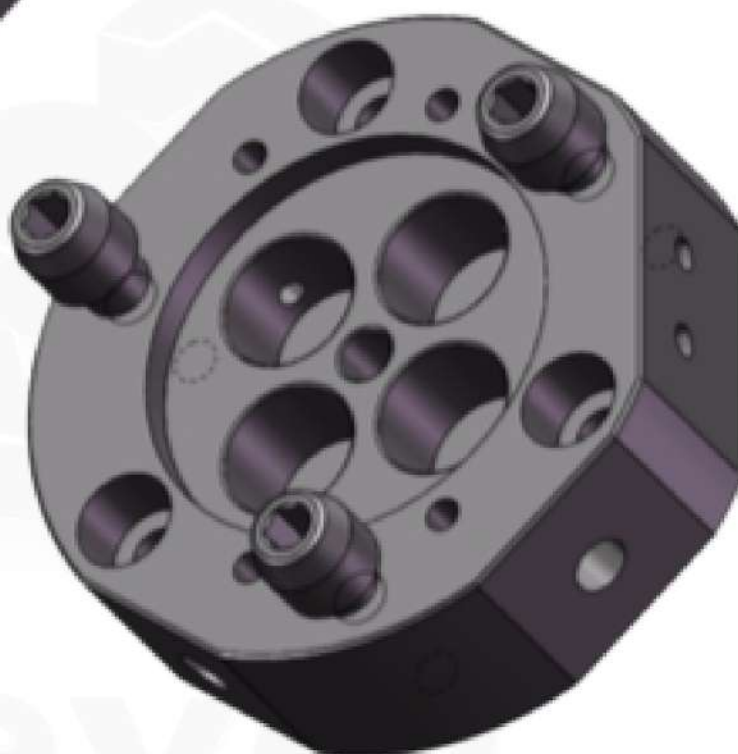


QC-50

Quick EOAT replacement
4 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts





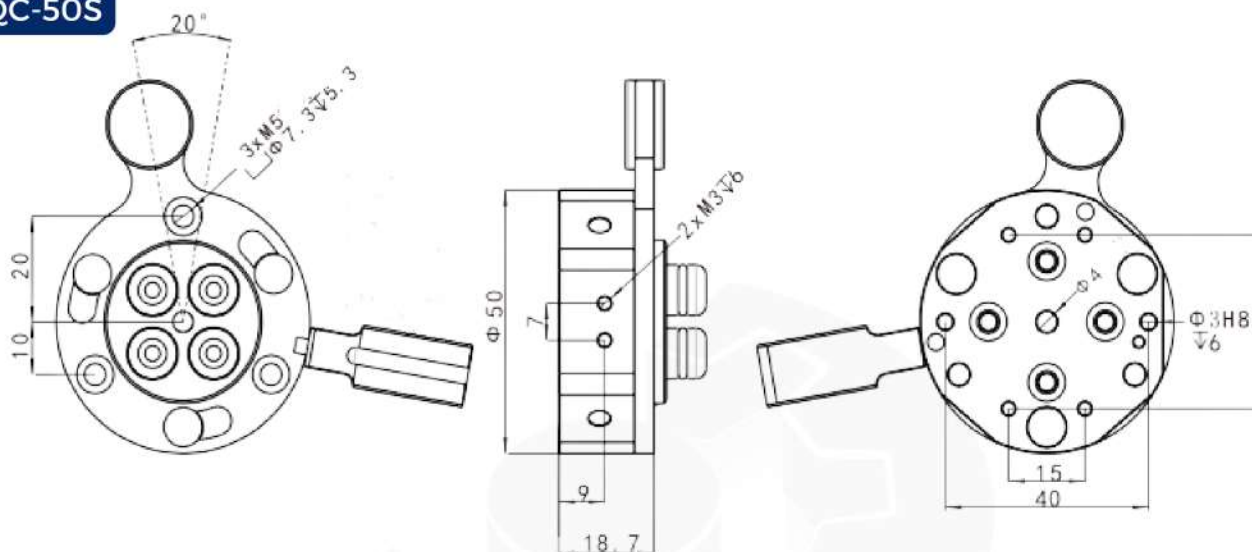
Medium	Compressed air	
Pressure range	2.5-8bar	
Temperature range	5°-60°	
Mb	10N/m	
Mt	20N/m	
F	150N	
Air Inlet	M5	
Weight	QC-R50	103g
	QC-G50	103g

QC-50

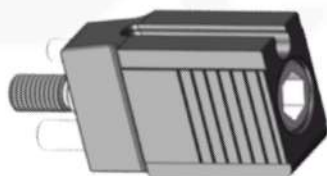
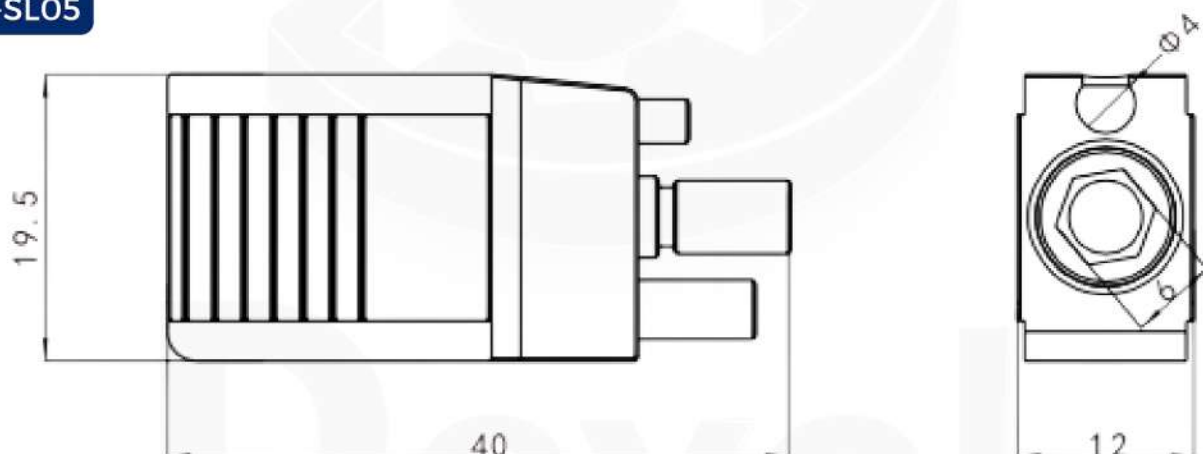
Quick EOAT replacement
4 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts
Safety locking

QC-50S



QC-SL05



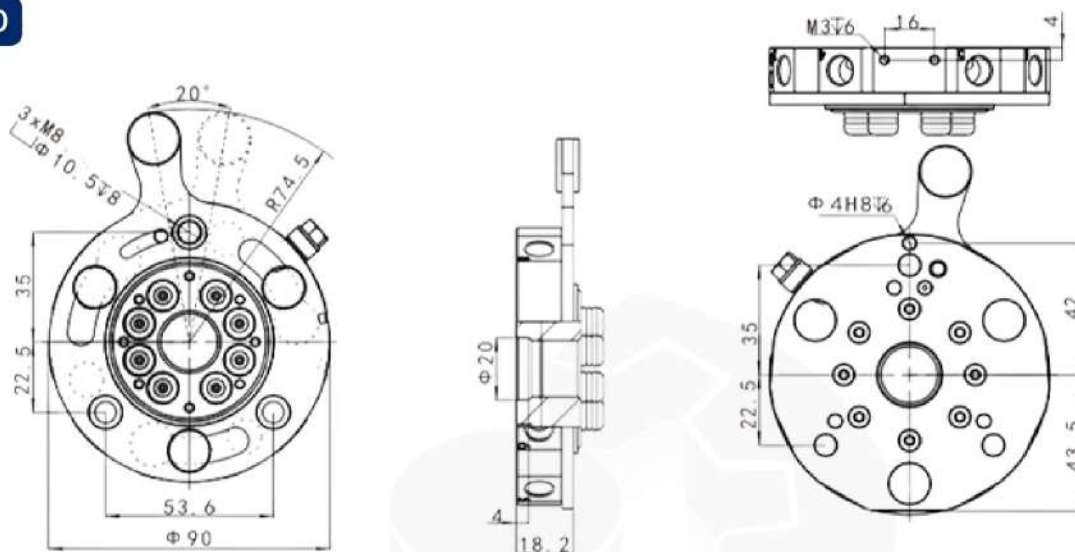
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Mb	10N/m
Mt	20N/m
F	150N
Air Inlet	M5
Weight	QC-R50S 113g
	QC-SL05 10g

QC-90

Quick EOAT replacement
8 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts

QC-R90



QC-C90

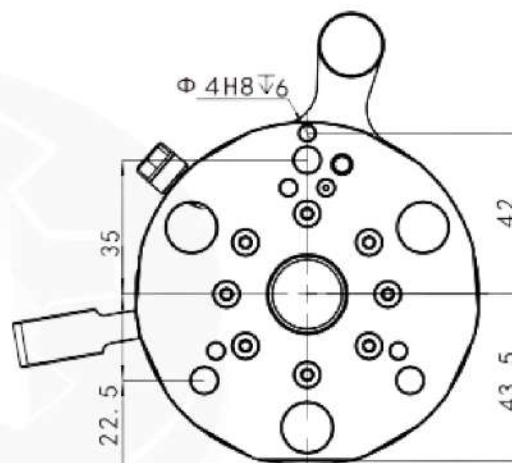
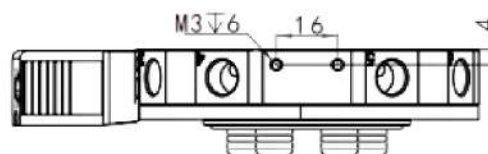
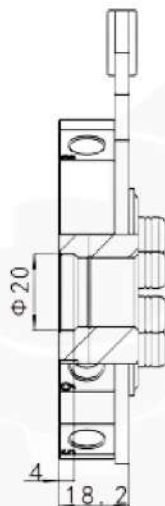
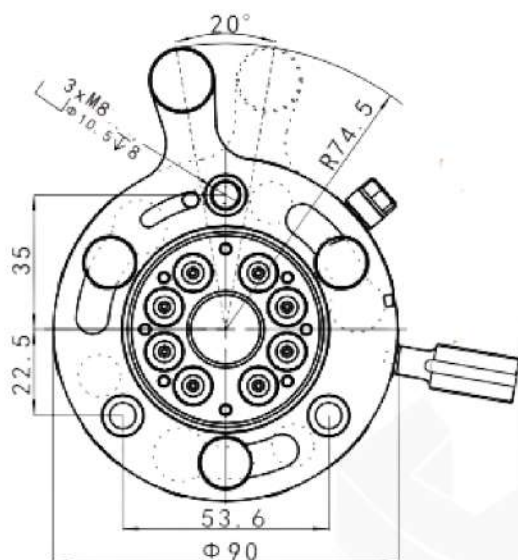


Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Mb	60N/m
Mt	100N/m
F	400N
Air Inlet	8xG1/8
Weight	QC-R90 318g
	QC-C90 227g

QC-90S

Quick EOAT replacement
8 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts
Safety locking



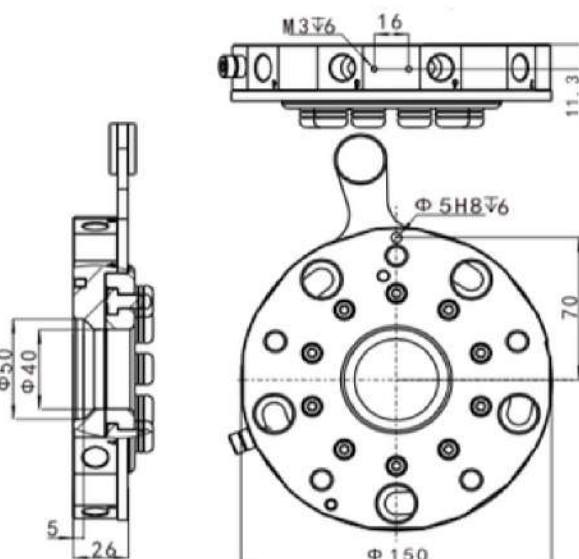
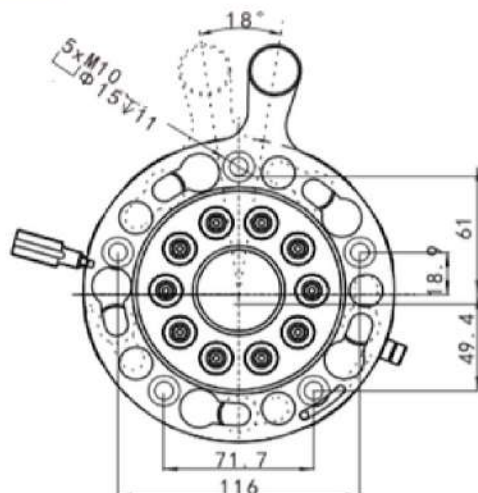
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Mb	60N/m
Mt	100N/m
F	400N
Air Inlet	8xG1/8
Weight	QC-R90 328g
	QC-G90 10g

QC-150

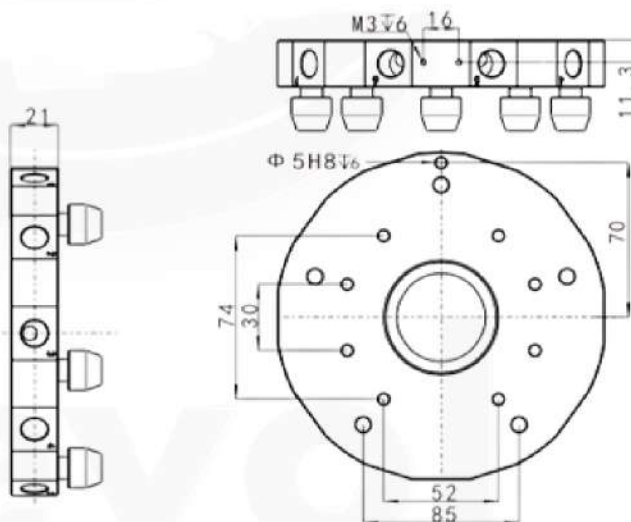
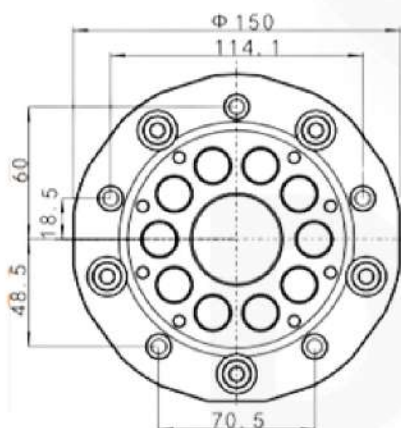
Quick EOAT replacement
10 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts

QC-R150



QC-G150



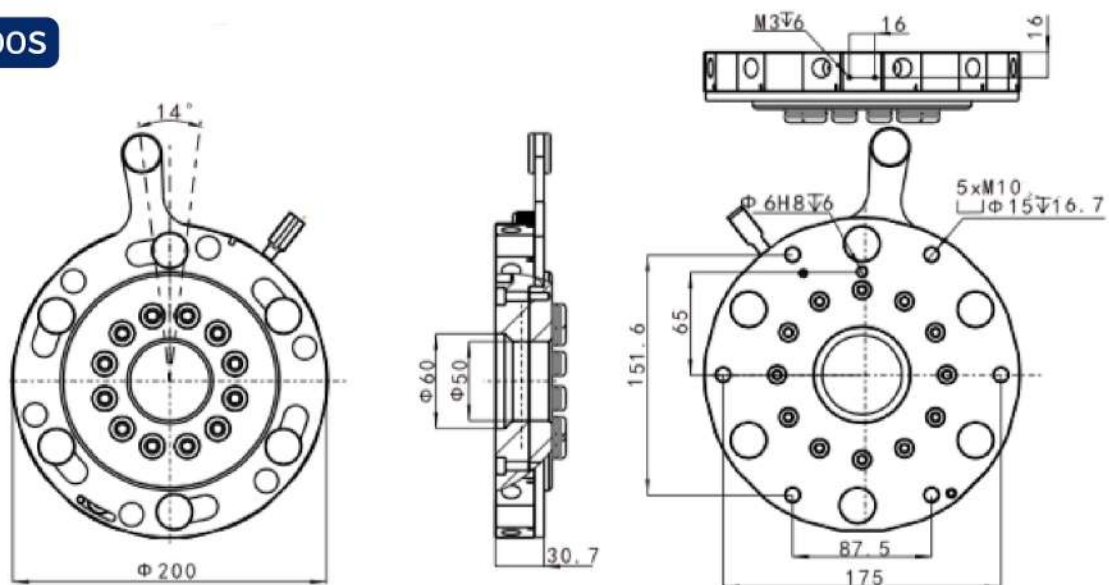
Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Mb	100N/m
Mt	250N/m
F	1000N
Air Inlet	10xG1/4
Weight	QC-R150 1123g
	QC-G150 827g

QC-200S

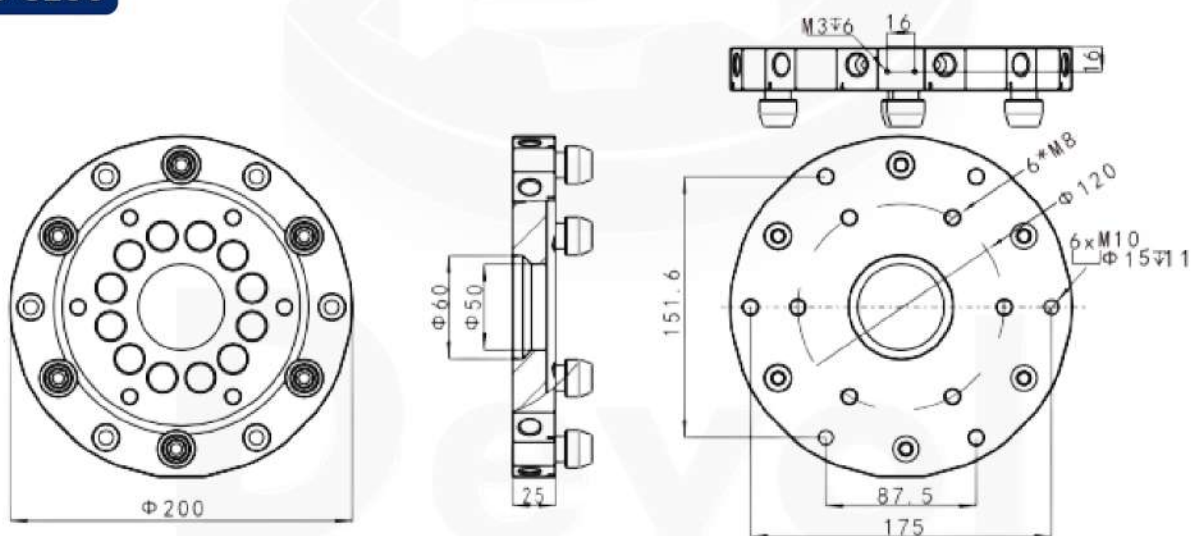
Quick EOAT replacement
12 pneumatic connections
Provide 9 electrical connections

Suitable also with vacuum ports
Robot side and gripper side are two parts

QC-R200S

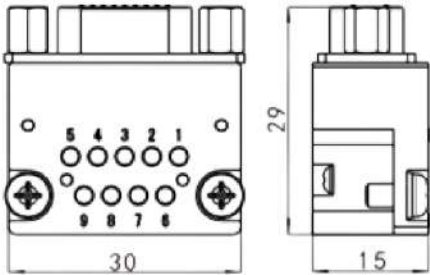


QC-G200



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Mb	100N/m
Mt	250N/m
F	1000N
Air Inlet	12xG1/4
Weight	QC-R200S 1123g
	QC-G200 827g

FITTING: ELECTRICAL CONNECTION MODULE



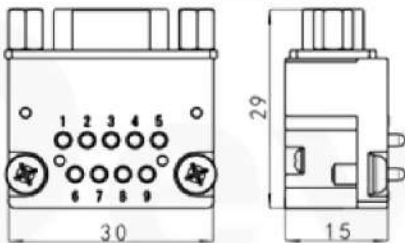
QCE-9R

I/O Connection type	9 pins D-SUB
Working current	MAX 3A
Weight	24g



L-9R-1000

I/O Connection type	9 pins D-SUB
Working current	MAX 3A
Weight	24g

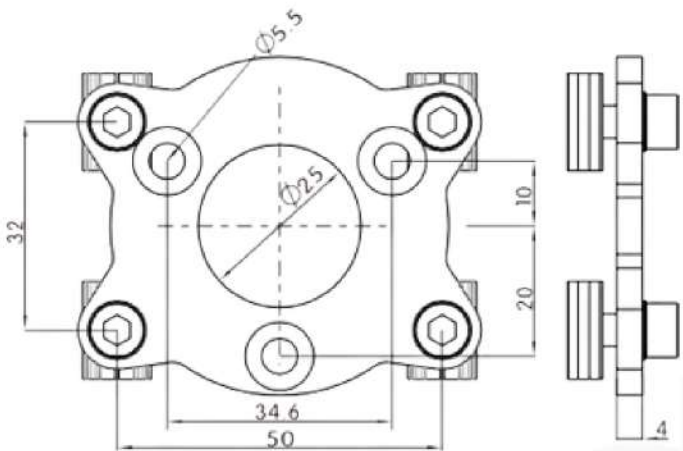


QCE-9C

I/O Connection type	9 pins D-SUB
Working current	MAX 3A
Weight	24g



INTERFACE (GRIPPER SIDE)



GSIP-G50

Weight	90g
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GSIP-G90

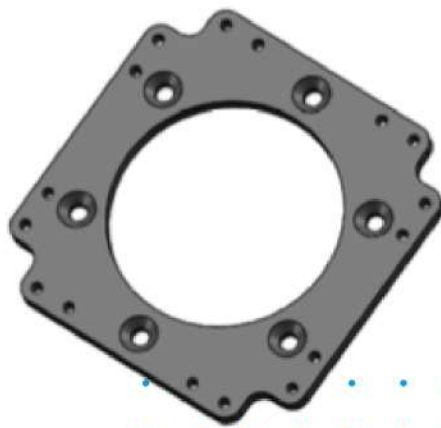
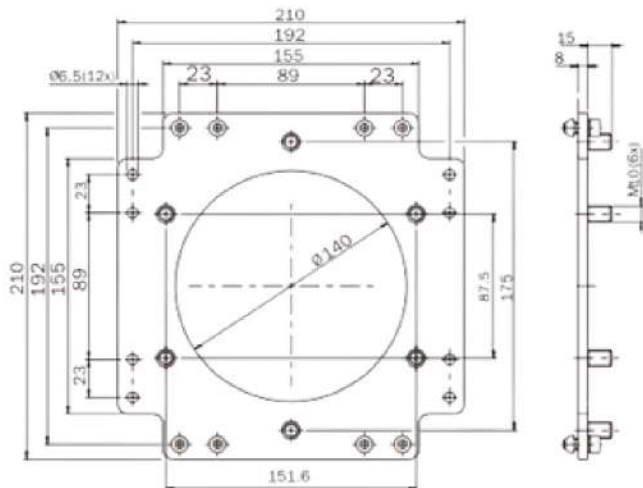
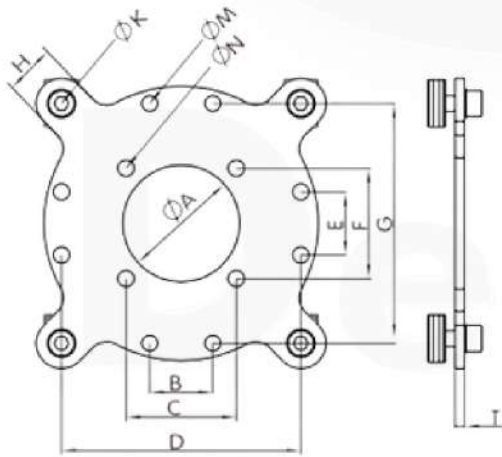
Weight	190g
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A	Ø37	B	20	C	35	D	76	E	20	F	35	G	76	H	16	M	5	N	5.2	K	5.3	T	3
---	-----	---	----	---	----	---	----	---	----	---	----	---	----	---	----	---	---	---	-----	---	-----	---	---

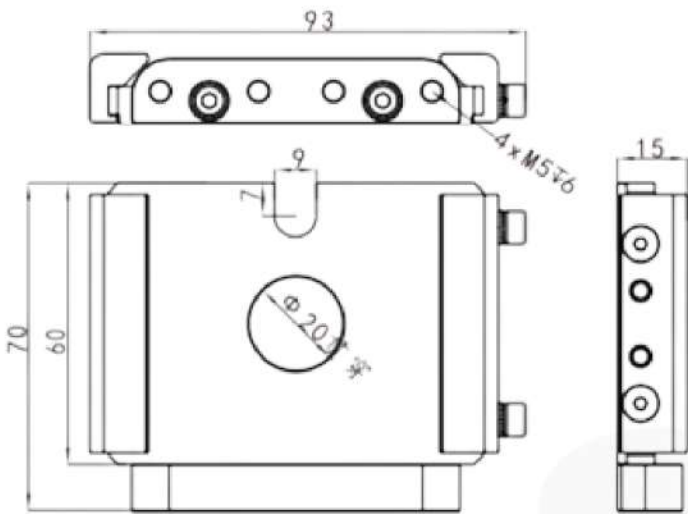
GSIP-G150

Weight	540g
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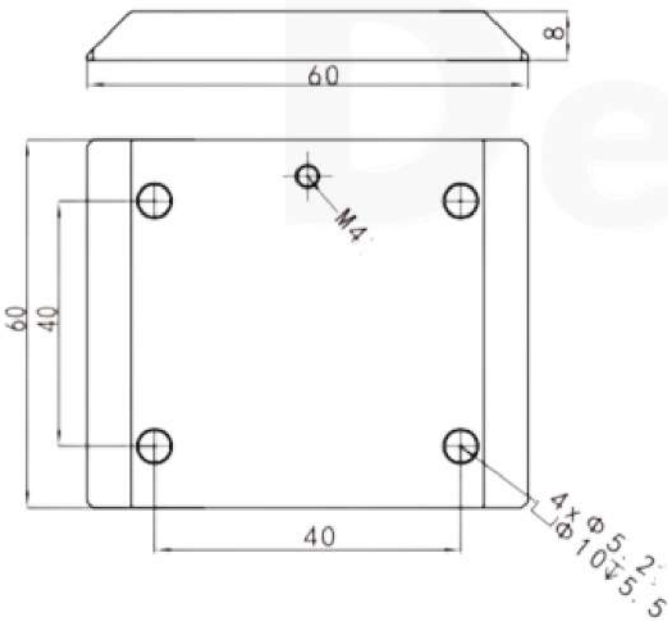
A	Ø70	B	20	C	74	D	130	E	20	F	52	G	110	H	24	M	5	N	6.2	K	5.3	T	4
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QUICK CHANGER (ROBOT SIDE)

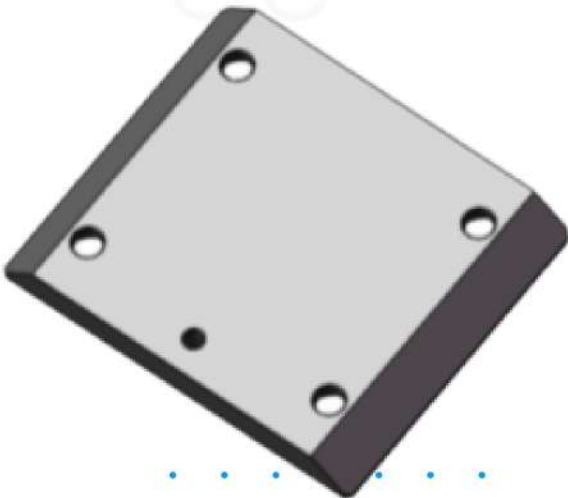


QUICK CHANGER (GRIPPER SIDE)

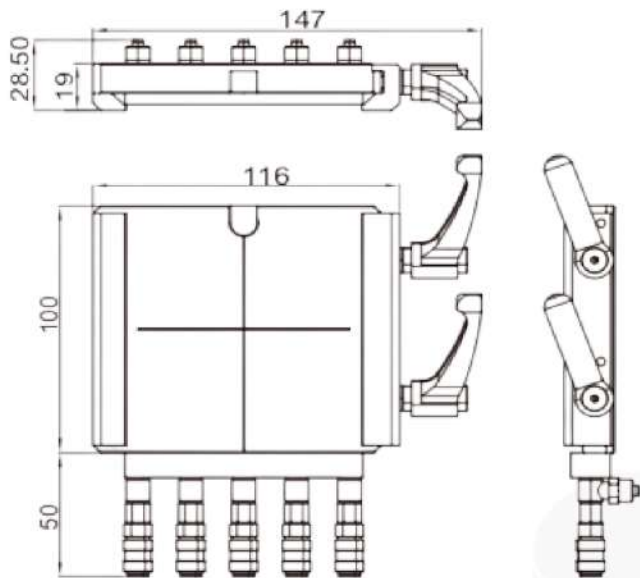


GSS-G60

Loads	70N
Weight	148g
	79g



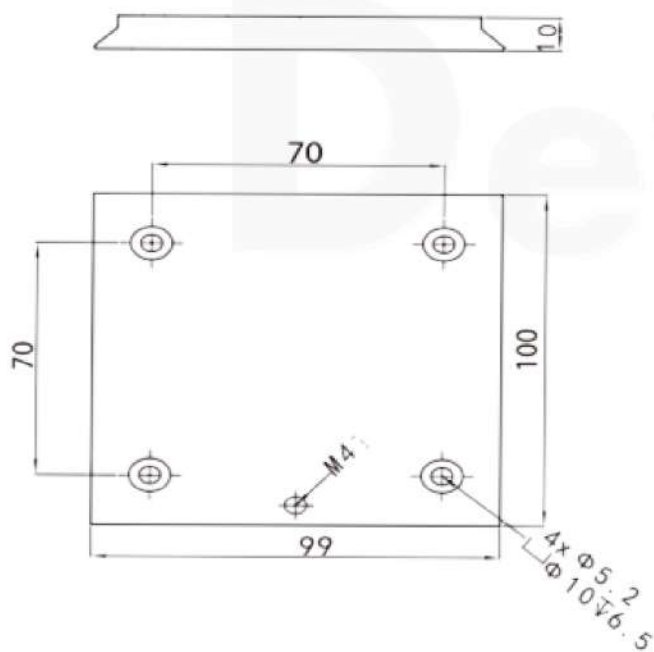
QUICK CHANGER (ROBOT SIDE)



CSS-R160



QUICK CHANGER (GRIPPER SIDE)

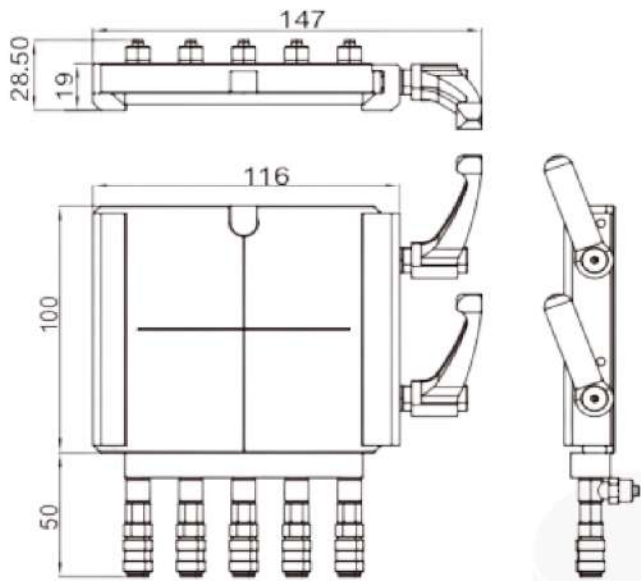


CSS-G160

Loads	300
Weight	1270g
	270g



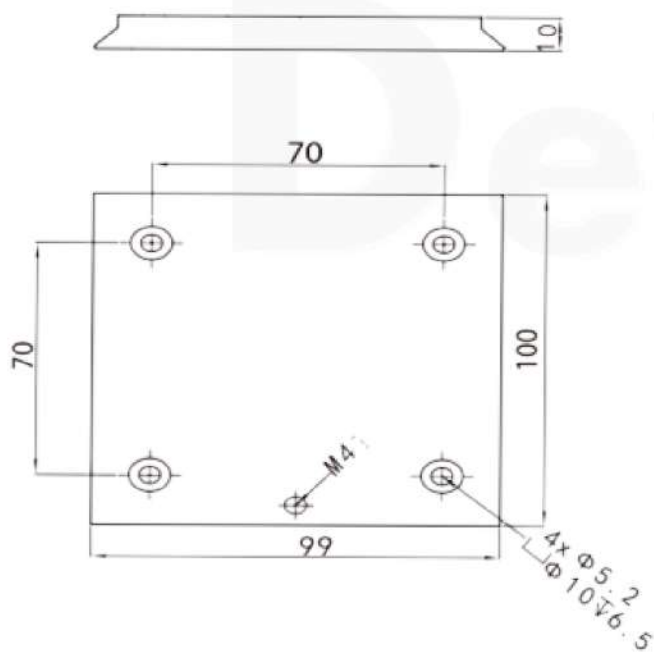
QUICK CHANGER (ROBOT SIDE)



CSS-R250



QUICK CHANGER (GRIPPER SIDE)



CSS-G250

Loads	0
Weight	0
	0



PARALLEL GRIPPER

MODEL SECTION

Standard type

PG MHZM 2 20 D

Action code

- D Double action
- S Single action (open)
- C Single action (close)

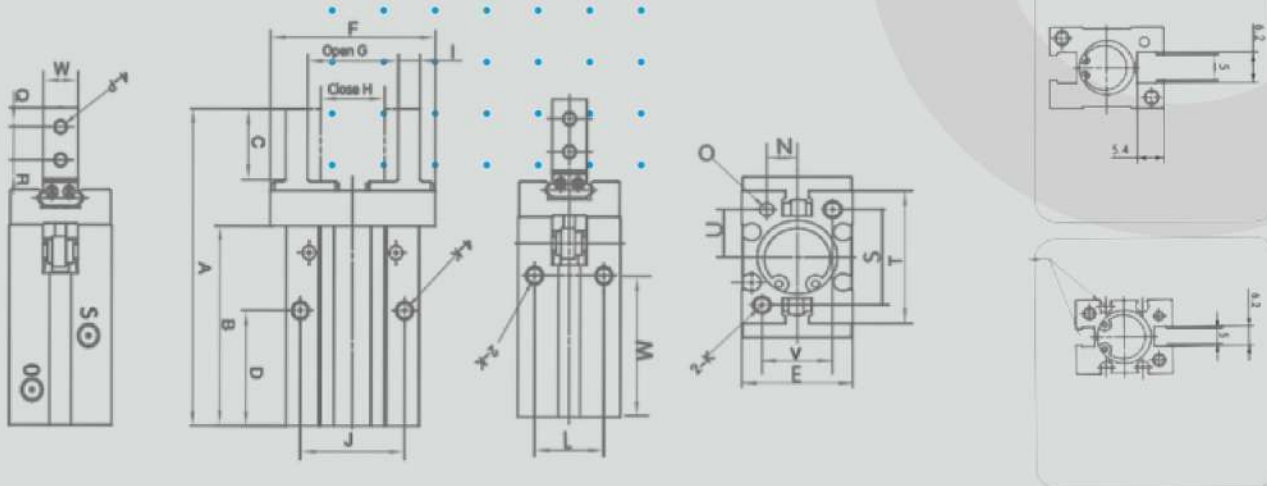
2-Jaw

Piston Bore

- 10mm 16mm
- 20mm 25mm
- 32mm 40mm

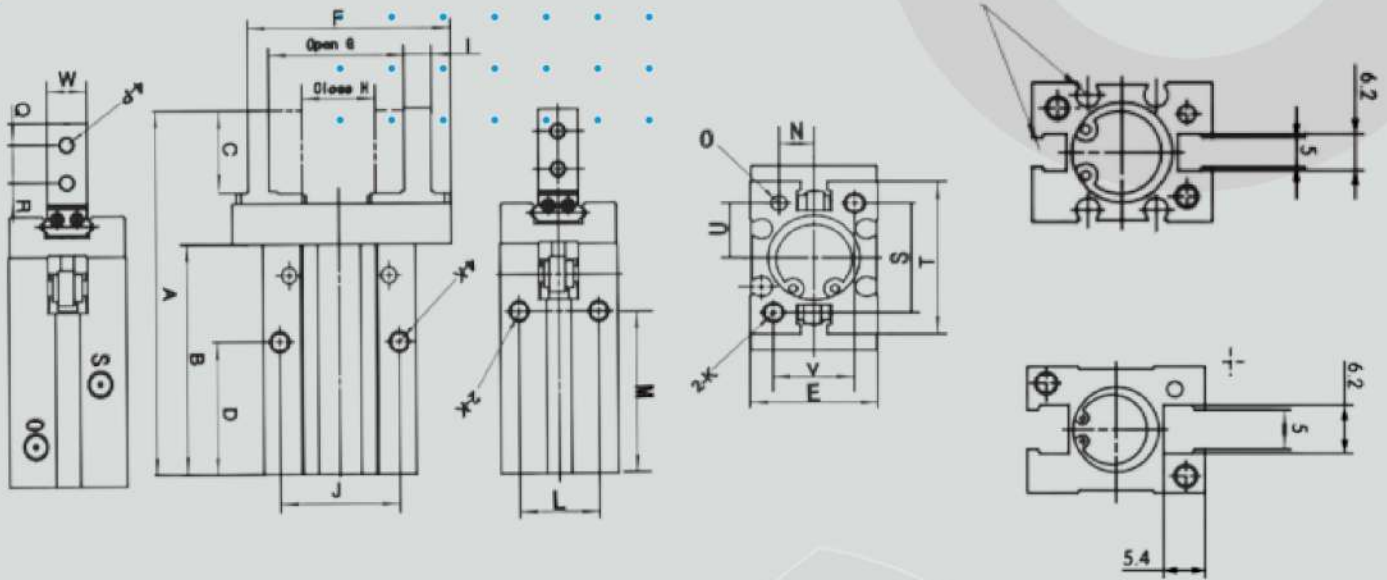


Action Mode	Model	Medium	Pressure	Temperature	Repetition accuracy	MAX working frequency	Gripping force each jaw		Bore	Stroke	Weight	Air Inlet	
Double Action	PG-MHZ2-10D	C O M P R E S S A I R	2-7 bar	5°-60°C	± 0.02mm	2Hz	11N	17N	10	4	55g	M3x0.5	
	PG-MHZ2-16D						34N	45N	16	6	115g	M5x0.8	
	PG-MHZ2-20D						42N	66N	20	10	235g	M5x0.8	
	PG-MHZ2-25D						65N	104N	25	14	430g	M5x0.8	
	PG-MHZ2-32D						158N	193N	32	22	715g	M5x0.8	
	PG-MHZ2-40D						254N	318N	40	30	1275g	M5x0.8	
Single Action	Open						PG-MHZ2-10S	7.1N		10	4	55g	M3x0.5
							PG-MHZ2-16S	27N		16	6	115g	M5x0.8
							PG-MHZ2-20S	33N		20	10	235g	M5x0.8
							PG-MHZ2-25S	45N		25	14	430g	M5x0.8
							PG-MHZ2-32S	131N		32	22	715g	M5x0.8
							PG-MHZ2-40S	217N		40	30	1275g	M5x0.8
	Close						PG-MHZ2-10C		13N	10	4	55g	M3x0.5
							PG-MHZ2-16C		38N	16	6	115g	M5x0.8
							PG-MHZ2-20C		57N	20	10	235g	M5x0.8
							PG-MHZ2-25C		83N	25	14	430g	M5x0.8
							PG-MHZ2-32C		161N	32	22	715g	M5x0.8
							PG-MHZ2-40C		267N	40	30	1275g	M5x0.8



BORE	A	B	C	D	E	F	G	H	I	J
10	57	37.8	12	23	16.4	29	15.2	11.2	4	16
16	67.3	42.5	15	24.5	23.6	38	20.9	14.9	5	24
20	84.8	52.8	20	29	27.6	50	26.3	16.3	8	30
25	102.7	63.6	25	30	33.6	63	33.3	19.3	10	36
32	113 (122)	67 (76)	29	40 (49)	40	97	48	26	12	46
40	139 (152)	83 (96)	36	49 (62)	48	119	60	30	14	56

BOR E	K	L	M	N	O	P	Q	R	S	T	U	V
10	M3X0.5	11. 4	27	5.1	Φ2H93	M2.5x0.4 5	3	5.7	18	23	7.6	12
16	M4X0.7	16	30	6. 5	Φ3H93	M3x0.5	4	7	22	30 .6	11	15
20	M5x0.8	18. 6	35	7.5	Φ2H93	M4x0.7	5	9	32	42	16.8	18
25	M6x1	22	36.5	10	Φ4H94	M5x0.8	6	12	40	52	21.8	22
32	M6x1	26	48 (57)	12	Φ5H95	M6x1	7	14	46	60	23	26
40	M8x1.25	32	58 (71)	14	Φ5H95	M8x1.25	9	17	56	72	29	32



BORE	A	B	C	D	E	F	G	H	I	J
10	57 (67)	37.8 (47.8)	12	25 (35)	16.4	35	19.2	11.2	4	16
16	70 (75)	42.5 (50.2)	15	31 (36)	23.6	47	26.9	14.9	5	24
20	84.8	52.8	20	29	27.6	50	26.3	16.3	8	30
25	102.7	63.6	25	30	33.6	63	33.3	19.3	10	36

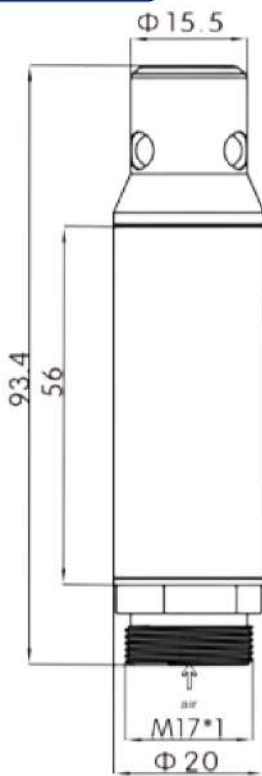
BORE	K	L	M	N	O	P	Q	R	S	T	U	V
10	M3X0.5	11.4	29 (39)	5.1	Φ2H 93	M2.5x0.45	3	5.7	18	23	7.6	12
16	M4X0.7	16	36 (41)	6. 5	Φ3H 93	M3x0.5	4	7	22	30.6	11	15
20	M5x0.8	18.6	43 (49)	7.5	Φ2H 93	M4x0.7	5	9	32	42	16. 8	18
25	M6x1	22	48 (58)	10	Φ4H 94	M5x0.8	6	12	40	52	21. 8	22



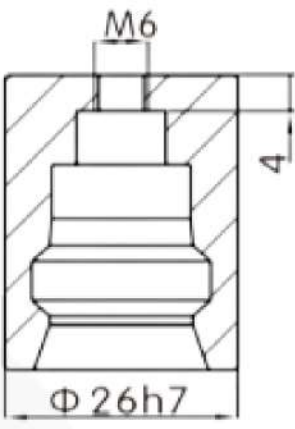
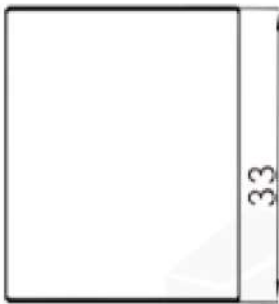
GSMP-20 MOULD
POSITIONER

Provide a precise centering between the robot
and the mould.
Lock by steel ball. Single action.

GSMP-20-A



GSMP-20-B

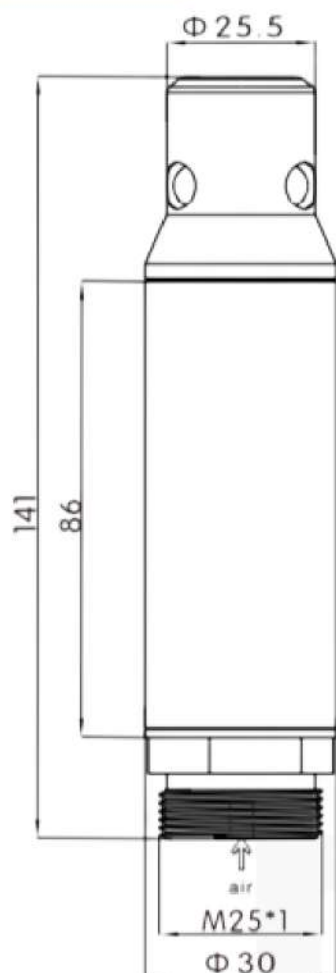


Medium	Compressed air	
Pressure range	2.5-8bar	
Temperature range	5°-60°	
Maximum axial load	1200N	
Air inlet	M5	
Weight	GSMP-20A	75g
	GSMP-20B	87g

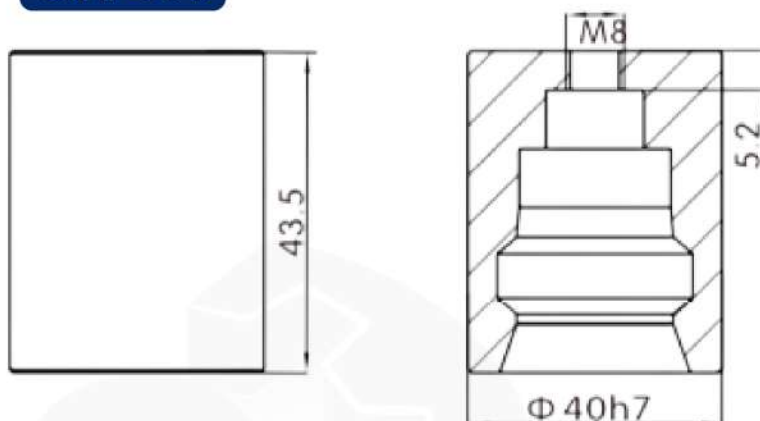
GSMP-30 MOULD POSITIONER

Provide a precise centering between the robot and the mould.
Lock by steel ball. Single action.

GSMP-30-A



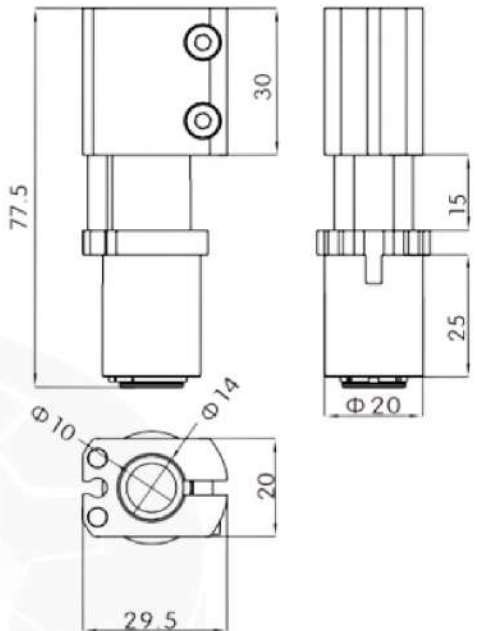
GSMP-30-B



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Maximum axial load	3000N
Air inlet	C1/8
Weight	GSMP-30A 300g
	GSMP-30B 264g

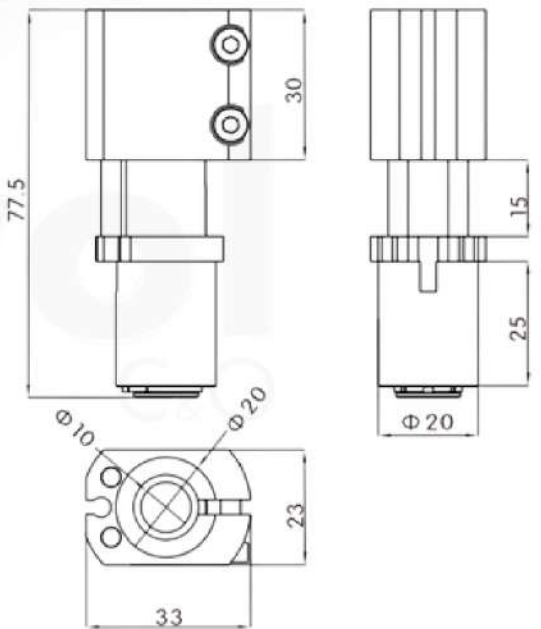
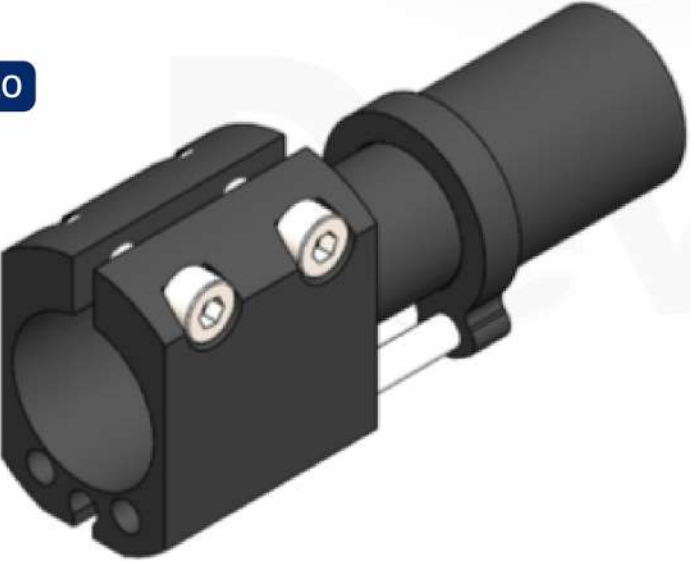
NON-ROTATIVE
UNIVERSAL SUSPENSIONS

GSM14



Weight 57g

GSM20

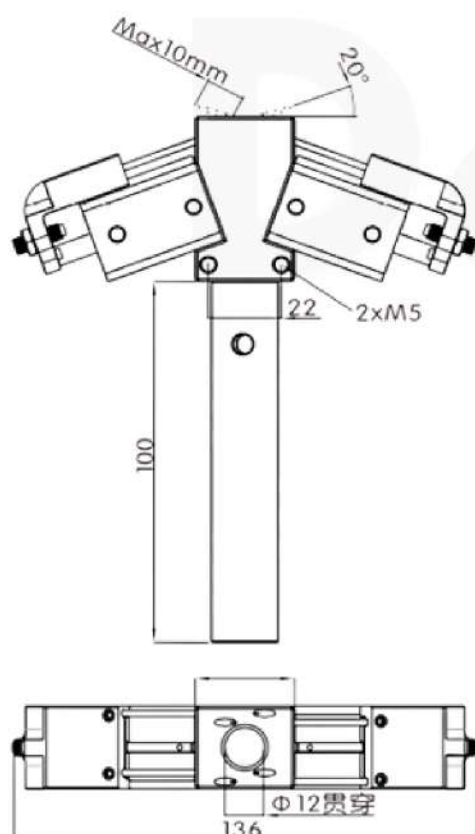
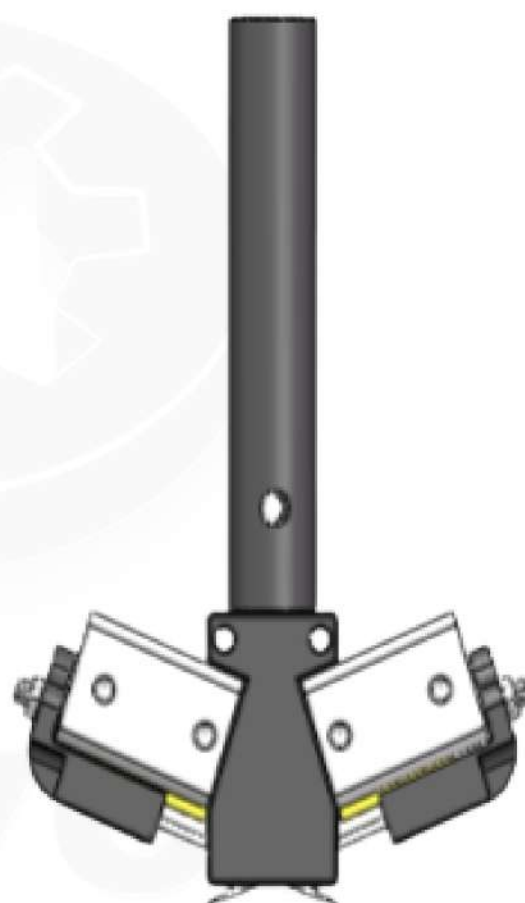


Weight 65g

NEEDLE GRIPPER

Cylinder push
Double action

Suitable for textile and
food industry



Medium	Compressed air
Pressure range	2.5-8bar
Temperature range	5°-60°
Stroke	0-10mm
Cycle air consumption	3.5cm
Total gripping force	90N
Weight	274g
Air inlet	M5

VACUUM CUP SUSPENSIONS

Suspensions series

- GSVR
- GSVN
- GSVL
- GSVRT
- GSVNT
- GSVET
- GSK
- GSKT
- GVFG
- GVFM

MODEL SECTION

GSVR 14-C - 20 G18

Body

Installation
Circle
Thread

Stroke

Vacuum cup fitting hole
for fastening
M5
G18
G14



GSVR



GSVRT



GSVN



GSVNT



GSVET



GSVE



GVFG



GVFM



GVSL



GVS LT

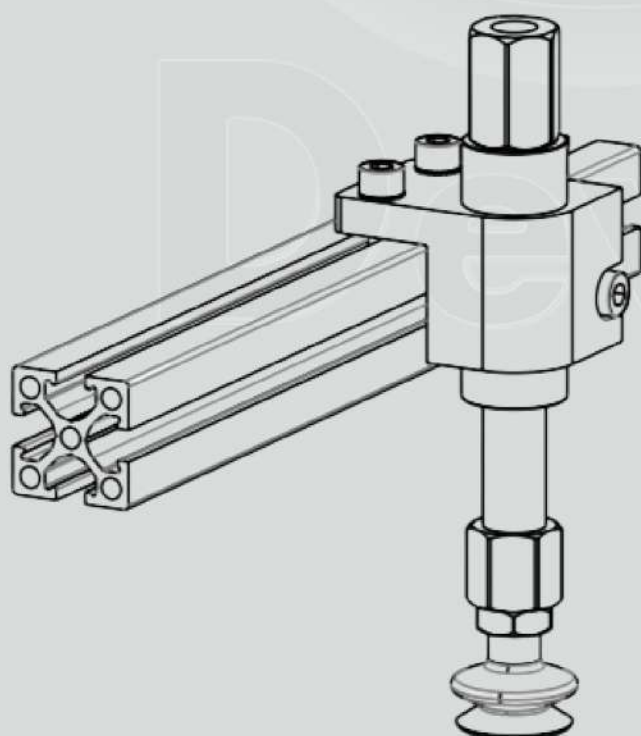
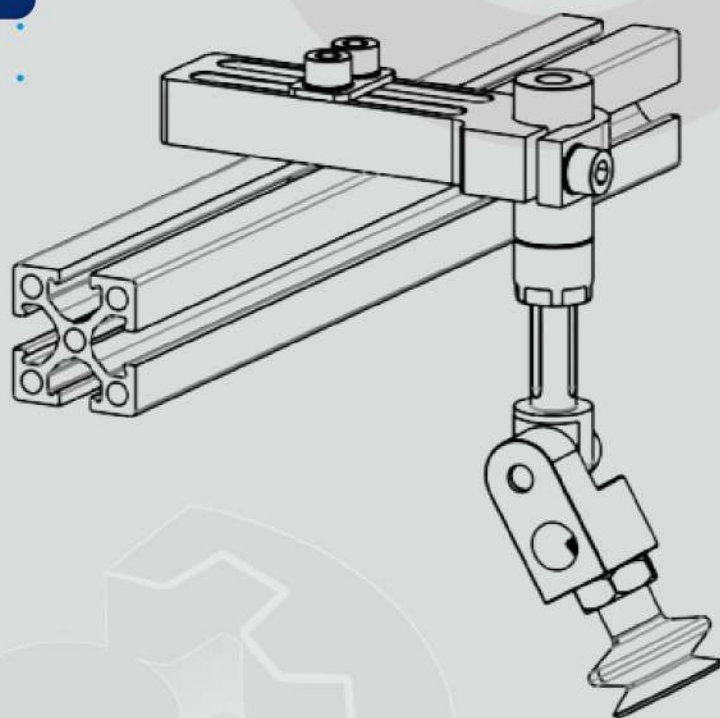


GSK



GSKT

APPLICATION EXAMPLE



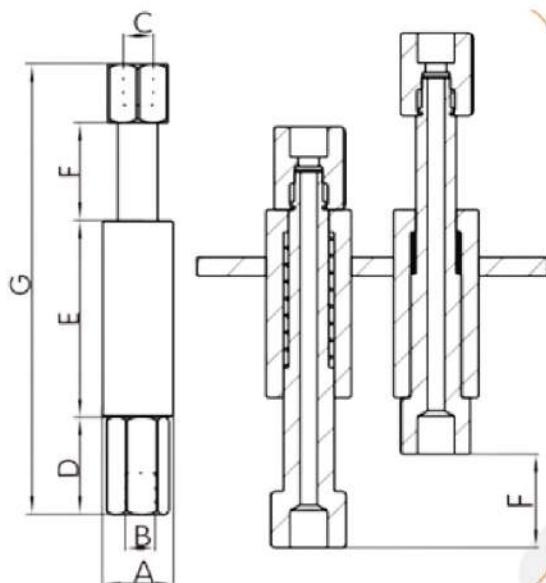
GSVR SERIES

Body and rod in anodized aluminium

Rotative rod

Pressure range : -1 / 8bar

SMOOTH BODY ROTATIVE SUSPENSIONS



Model	A	B	C	D	E	F	G	Weight
GSVR10-C-10-M5	Φ10	M5	M5	18	22	10	55.5	11g
GSVR10-C-20-M5	Φ10	M5	M5	18	41	20	84	17g
GSVR14-C-20-G18	Φ14	G18	G18	20	40	20	92	23g
GSVR14-C-35-G18	Φ14	G18	G18	20	60	35	127	40g
GSVR20-C-25-G18	Φ20	G18	G18	22	50	25	112	50g
GSVR20-C-50-G18	Φ20	G18	G18	22	84	50	171	77g

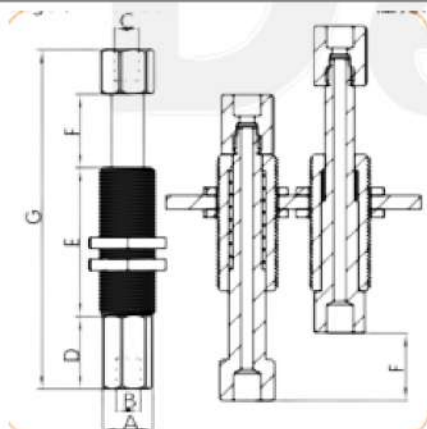
GSVRT SERIES

Body and rod in anodized aluminium

Rotative rod

Pressure range : -1 / 8bar

THREADED-BODY ROTATIVE SUSPENSIONS

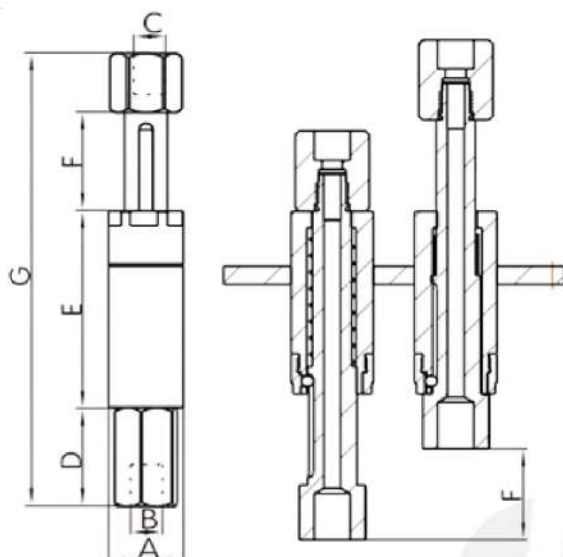


Model	A	B	C	D	E	F	G	Weight
GSVRT10-C-10-M5	M10*1	M5	M5	18	22	10	55.5	14g
GSVRT10-C-20-M5	M10*1	M5	M5	18	41	20	84	26g
GSVRT14-C-20-G18	M14*1	G18	G18	20	40	20	92	32g
GSVRT14-C-35-G18	M14*1	G18	G18	20	60	35	127	36g
GSVRT20-C-25-G18	M20*1	G18	G18	22	50	25	112	70g
GSVRT20-C-50-G18	M20*1	G18	G18	22	84	50	171	104g

GSVN SERIES

Body and rod in anodized aluminium
Non-Rotative rod
Pressure range : -1 / 8bar

SMOOTH BODY NON-ROTATIVE SUSPENSIONS

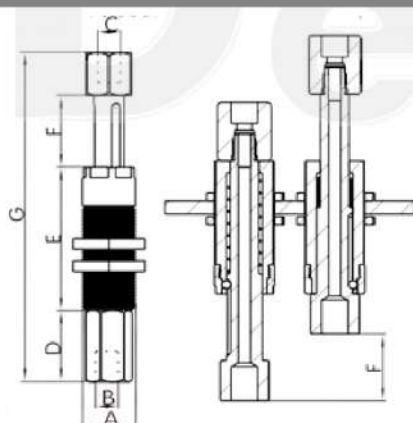


Model	A	B	C	D	E	F	G	Weight
GSVN10-C-10-M5	Φ10	M5	M5	18	22	10	60	15g
GSVN10-C-20-M5	Φ10	M5	M5	18	41	20	89	20g
GSVN14-C-20-G18	Φ14	G18	G18	20	40	20	92	30g
GSVN14-C-35-G18	Φ14	G18	G18	20	60	35	127	50g
GSVN20-C-25-G18	Φ20	G18	G18	22	50	25	112	54g
GSVN20-C-50-G18	Φ20	G18	G18	22	84	50	171	84g

GSVNT SERIES

Body and rod in anodized aluminium
Non-Rotative rod
Pressure range : -1 / 8bar

THREADED-BODY NON-ROTATIVE SUSPENSIONS



Model	A	B	C	D	E	F	G	Weight
GSVNT10-C-10-M5	M10*1	M5	M5	18	22	10	60	18g
GSVNT10-C-20-M5	M10*1	M5	M5	18	41	20	84	23g
GSVNT14-C-20-G18	M14*1	G18	G18	20	40	20	92	51g
GSVNT14-C-35-G18	M14*1	G18	G18	20	60	35	127	72g
GSVNT20-C-25-G18	M20*1	G18	G18	22	50	25	112	82g
GSVNT20-C-50-G18	M20*1	G18	G18	22	84	50	171	120g

GSVE SERIES

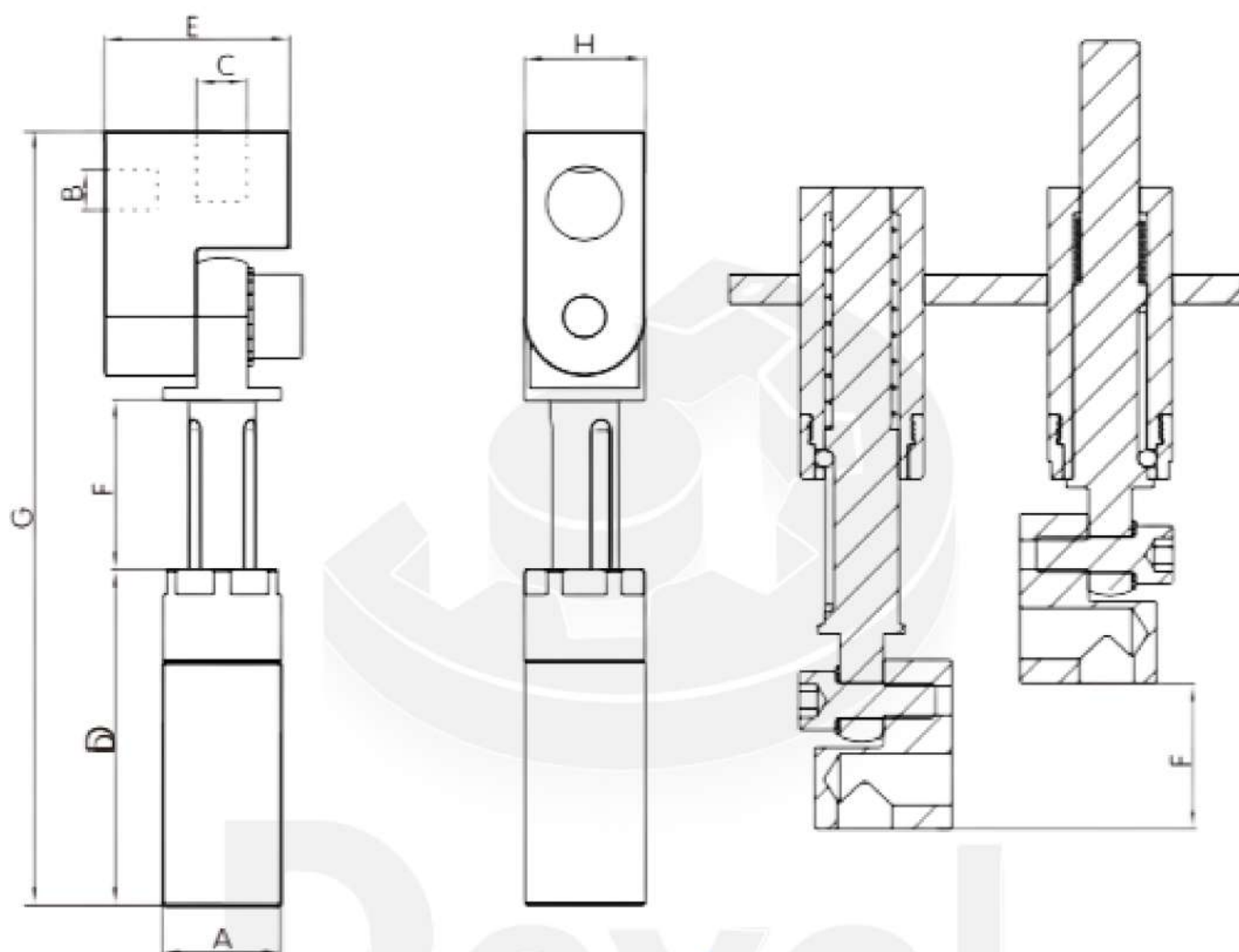
It is possible to set continuously the angle between 0° and +/-90°

Body and rod in anodized aluminium

Non-rotative rod

Pressure range: -1/8bar

SMOOTH BODY NON-ROTATIVE SUSPENSIONS WITH INTEGRAL ELBOW ARMS



Model	A	B	C	D	E	F	G	H	Weight
GSVE10-C-10-M5	Φ10	M5	M5	22	11	10	53	10	18g
GSVE10-C-20-M5	Φ10	M5	M5	41	11	20	81	10	23g
GSVE14-C-20-G18	Φ14	G18	G18	40	22	20	93	14	45g
GSVE14-C-35-G18	Φ14	G18	G18	60	22	35	128	14	48g
GSVE20-C-25-G18	Φ20	G18	G18	50	22	25	111	14	70g
GSVE20-C-50-G18	Φ20	G18	G18	84	22	50	169.5	14	105g



GSVET SERIES

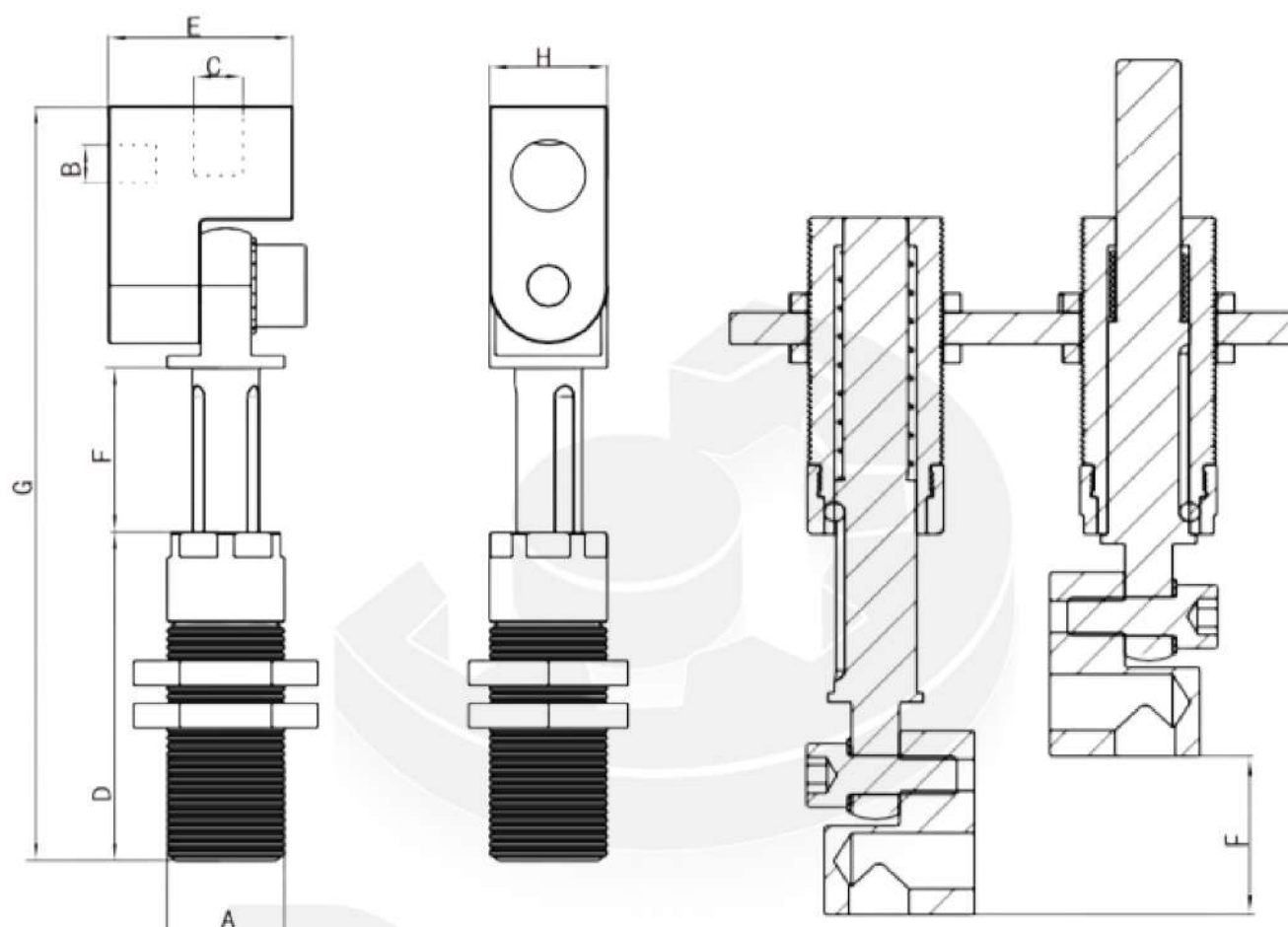
It is possible to set continuously the angle between 0° and +/-90°

Body and rod in anodized aluminium

Non-rotative rod

Pressure range: -1/8bar

THREADED-BODY NON-ROTATIVE SUSPENSIONS WITH INTEGRAL ELBOW ARMS



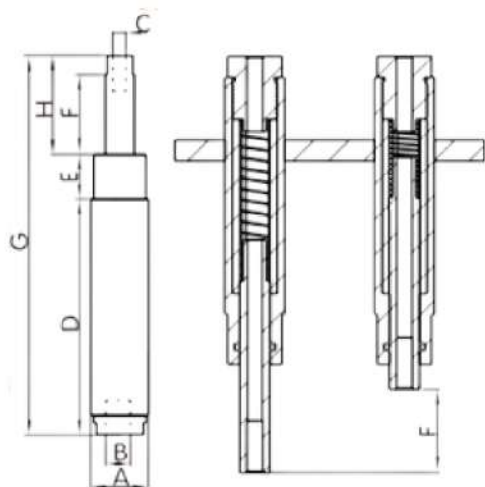
Model	A	B	C	D	E	F	G	H	Weight
GSVET10-C-10-M5	M10*1	M5	M5	22	11	10	53	10	21g
GSVET10-C-20-M5	M10*1	M5	M5	41	11	20	81	10	26g
GSVET14-C-20-G18	M14*1	G18	G18	40	22	20	93	14	57g
GSVET14-C-35-G18	M14*1	G18	G18	60	22	35	128	14	80g
GSVET20-C-25-G18	M20*1	G18	G18	50	22	25	111	14	88g
GSVET20-C-50-G18	M20*1	G18	G18	84	22	50	169.5	14	125g



GSVL SERIES

Body and rod in anodized aluminium
Telescopic lay-out: fittings and hoses don't move
Unidirectional sealing: only for vacuum applications
Non-rotative rod
Pressure range: -1/8bar

**SMOOTH-BODY
NON-ROTATIVE
TELESCOPIC
SUSPENSIONS**

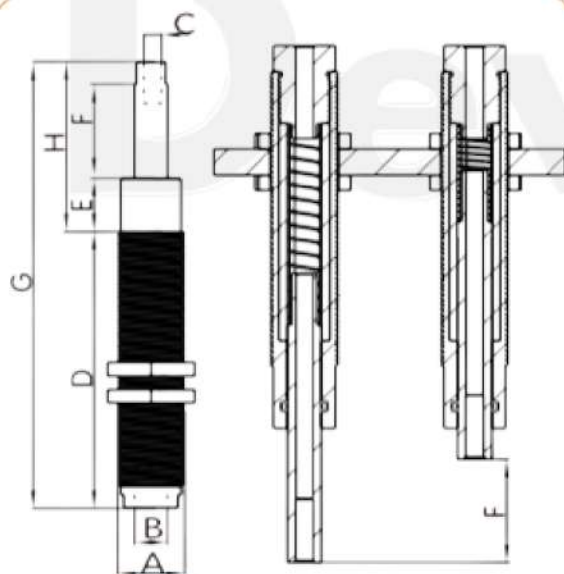


Model	A	B	C	D	E	F	G	H	Weight
GSVL16-C-20-M5	Φ16	M5	M5	60	14	20	100	26	30g
GSVR22-C-30-G18	Φ22	G18	G18	78	16	30	130	36	55g
GSVR25-C-30-G14	Φ25	G14	G14	78	16	30	130	36	70g

GSVLT SERIES

Body and rod in anodized aluminium
Telescopic lay-out: fittings and hoses don't move
Unidirectional sealing: only for vacuum applications
Non-rotative rod
Pressure range: -1/8bar

**THREADER BODY
NON-ROTATIVE
TELESCOPIC
SUSPENSIONS**



Model	A	B	C	D	E	F	G	H	Weight
GSVLT16-M-20-M5	M16*1	M5	M5	60	14	20	100	26	30g
GSVLT22-M-30-G18	M22*1.5	G18	G18	78	16	30	130	36	80g
GSVLT25-M-30-G14	M25*1.5	G14	G14	78	16	30	130	36	115g

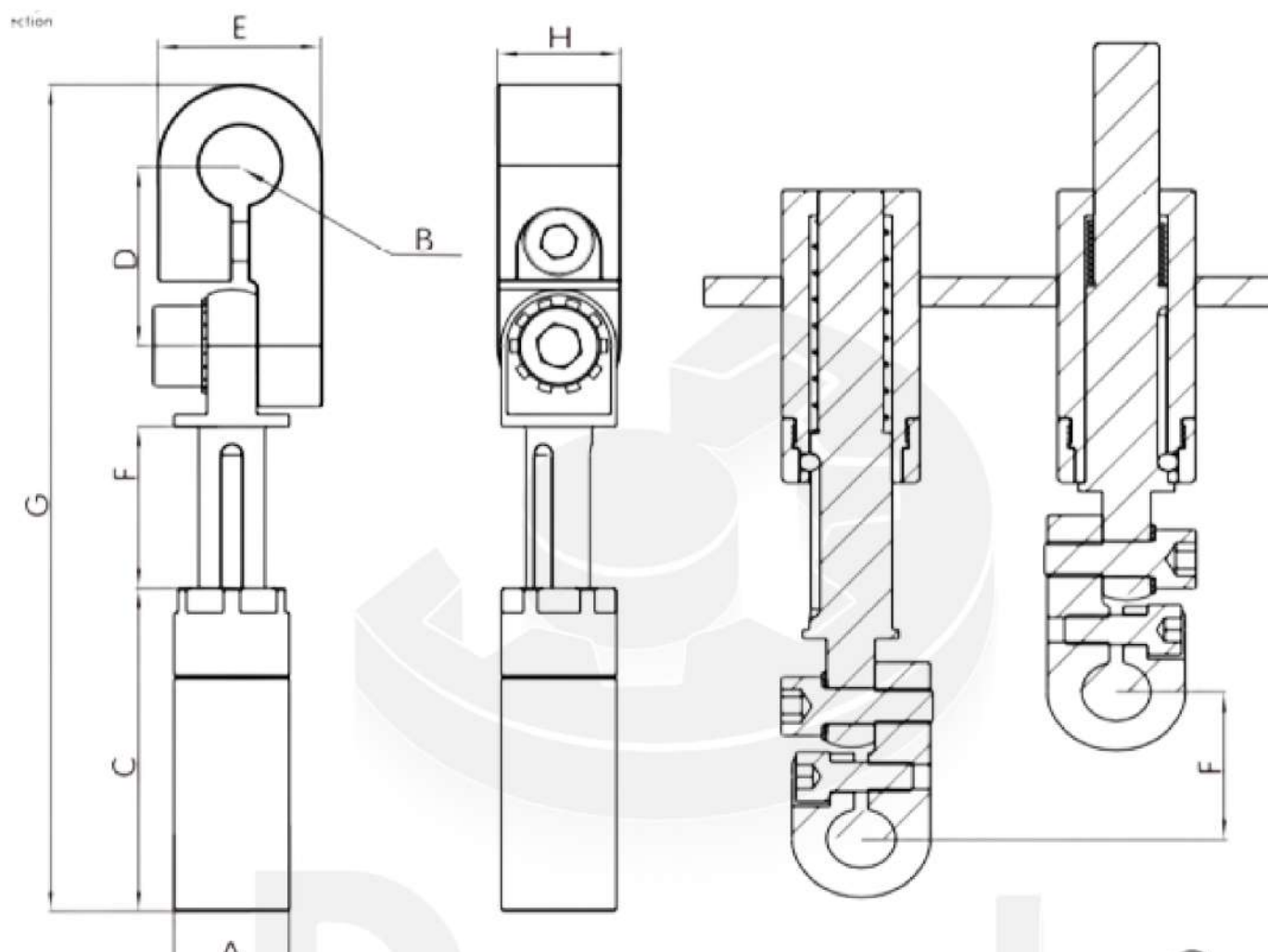
GSK SERIES

It is possible to set continuously the angle
between 0° and +/-90°

Body and rod in anodized aluminium

Non-rotative rod

SMOOTH BODY NON ROTATIVE SUSPENSION WITH ADJUSTABLE CLAMP



Model	A	B	C	D	E	F	G	H	Weight
GSK14-C-20-08	Φ14	Φ8	40	22.5	20	20	97	23.6	36g
GSK14-C-20-10	Φ14	Φ10	40	22.5	20	20	97	23.6	35g
GSK14-C-20-12	Φ14	Φ12	40	22.5	20	20	97	23.6	34g
GSK20-C-25-14	Φ20	Φ14	50	22.5	20	25	120	23.6	72g
GSK20-C-25-20	Φ20	Φ20	50	25	27	25	125	27	90g
GSK20-C-50-20	Φ20	Φ20	84	25	27	50	180	27	125g



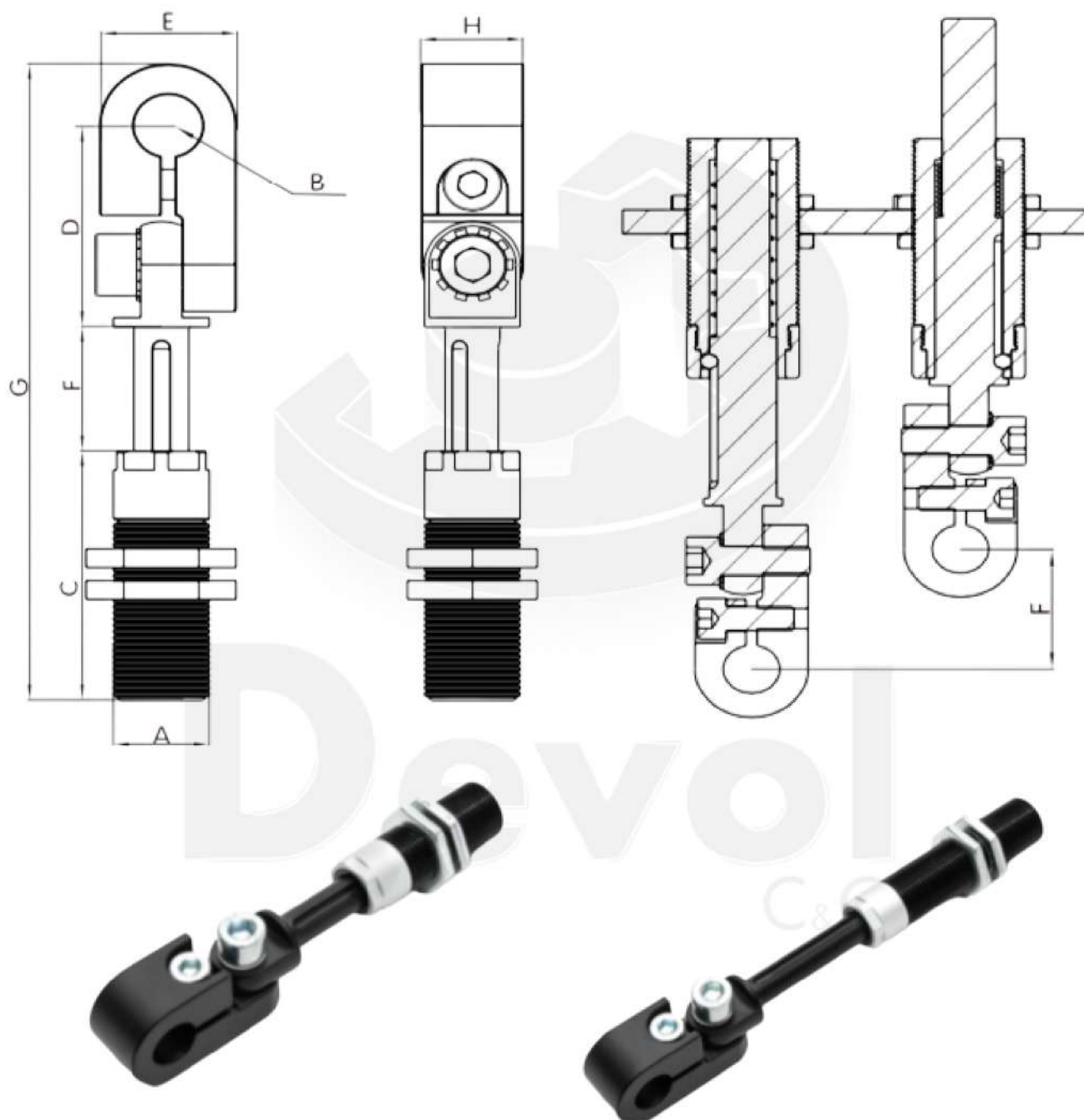
GSKT SERIES

It is possible to set continuously the angle between 0° and +/-90°

Body and rod in anodized aluminium

Non-rotative rod

THREADED BODY NON ROTATIVE SUSPENSION WITH ADJUSTABLE CLAMP



Model	A	B	C	D	E	F	G	H	Weight
GSKT14-C-20-08	M14*1	Φ8	40	22.5	20	20	97	23.6	36g
GSKT14-C-20-10	M14*1	Φ10	40	22.5	20	20	97	23.6	35g
GSKT14-C-20-12	M14*1	Φ12	40	22.5	20	20	97	23.6	34g
GSKT20-C-25-14	M20*1	Φ14	50	22.5	20	25	120	23.6	72g
GSKT20-C-25-20	M20*1	Φ20	50	25	27	25	125	27	90g
GSKT20-C-50-20	M20*1	Φ20	84	25	27	50	180	27	125g

Body and rod in anodized aluminium
Telescopic lay-out: fittings and hoses don't move
Non-rotative rod
Pressure range: -1/8bar

[illegible]

Body is steel, rod is aluminium
Telescopic lay-out: fittings and hoses don't move
Rotative rod
Pressure range: -1/8bar

Technical drawing of a spring pin (DIN 913) showing front and side views with dimensions A, B, C, D, E, F, G, and H.



Model	A	B	C	D	E	F	G	H	Weight
GVFM-4014-G18	Φ14	G18	G18	25	20	40	100	14	48g
GVFM-2020-G14	Φ20	G18	G14	48	26	20	113	15	136g
						.	.	.	.
						.	.	.	.
						.	.	.	.

VACUUM CUPS

Kinds: flat, 1.5 bellows and 2.5 bellows

Materials: SI, HTI, NBR

Dimensions: Diameters from 2mm to 80mm



SI



HTI



NBR

Materials	Shore hardness	Temperature range	Colour
SI	55	-40° - 220°	Translucent
HTI	60	0° - 160°	Blue
NBR	55	0° - 80°	Black

Vacuum cup series

GSV1: Flat

GSV2: 1.5 bellows

GSV3: 2.5 bellows

MODEL SECTION

GSV1 - 15 - SI

Vacuum cup diameter

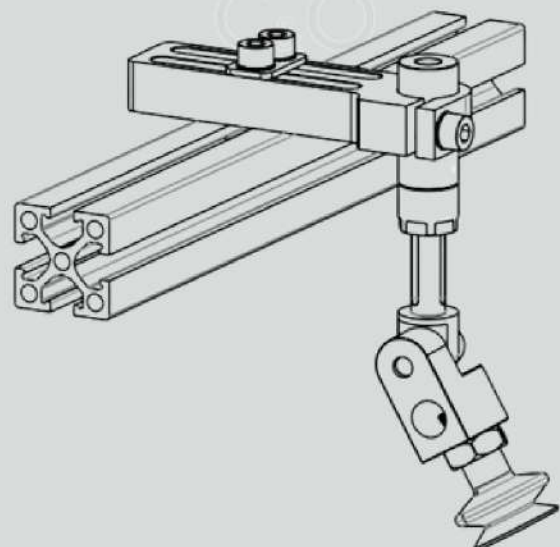
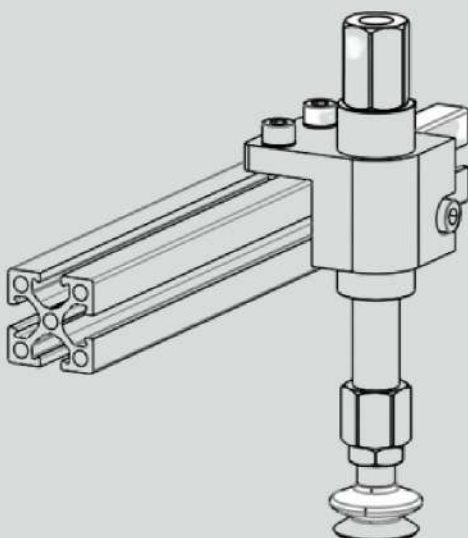
Vacuum cups material

SI: Silicone

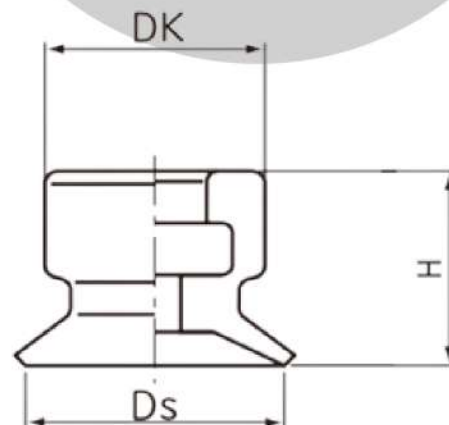
HTI: Non, marking

NBR: Nitrile rubber

APPLICATION EXAMPLE

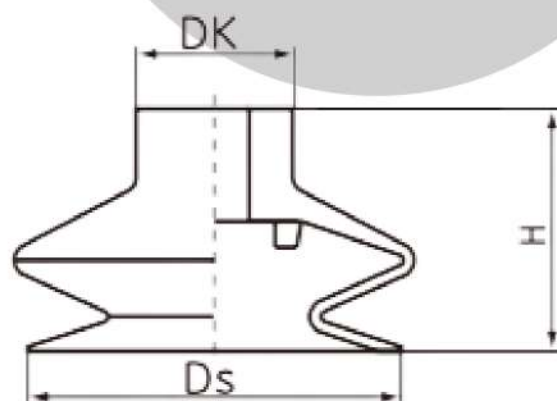


VACUUM CUPS (FLAT)



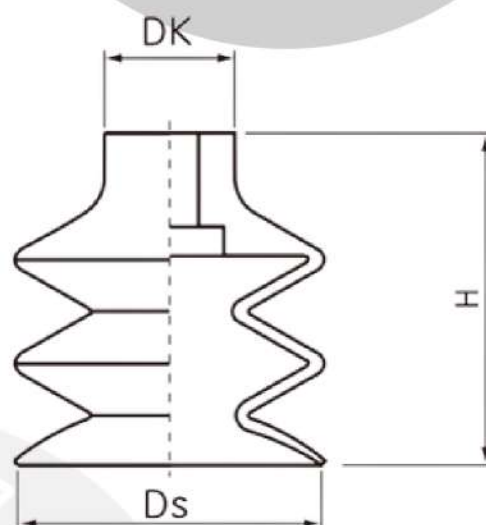
Ds (mm)	F (N)	H (mm)	HTI	SI	NBR	Vacuum cup fitting
2	0.5	4	GSV1-02-HTI	GSV1-02-SI	GSV1-02-NBR	JJT-07
3.5	0.7	4	GSV1-3.5-HTI	GSV1-3.5-SI	GSV1-3.5-NBR	JJT-07
5	0.9	6.5	GSV1-05-HTI	GSV1-05-SI	GSV1-05-NBR	JJT-08
6	1.0	6.5	GSV1-06-HTI	GSV1-06-SI	GSV1-06-NBR	JJT-08
8	1.1	7	GSV1-08-HTI	GSV1-08-SI	GSV1-08-NBR	JJT-08
10	1.6	7.5	GSV1-10-HTI	GSV1-10-SI	GSV1-10-NBR	JJT-08
15	3.7	8	GSV1-15-HTI	GSV1-15-SI	GSV1-15-NBR	JJT-09
20	6.1	10	GSV1-20-HTI	GSV1-20-SI	GSV1-20-NBR	JJT-09
25	9.4	14	GSV1-25-HTI	GSV1-25-SI	GSV1-25-NBR	JJT-10+JJT-11
30	15.9	12	GSV1-30-HTI	GSV1-30-SI	GSV1-30-NBR	JJT-10+JJT-11
35	23.1	14	GSV1-35-HTI	GSV1-35-SI	GSV1-35-NBR	JJT-10+JJT-11
40	26.7	14	GSV1-40-HTI	GSV1-40-SI	GSV1-40-NBR	JJT-10+JJT-11
50	38.3	15	GSV1-50-HTI	GSV1-50-SI	GSV1-50-NBR	JJT-15
60	57.8	16	GSV1-60-HTI	GSV1-60-SI	GSV1-60-NBR	JJT-15
80	101.1	18	GSV1-80-HTI	GSV1-80-SI	GSV1-80-NBR	JJT-15

VACUUM CUPS (1.5 BELLOWS)



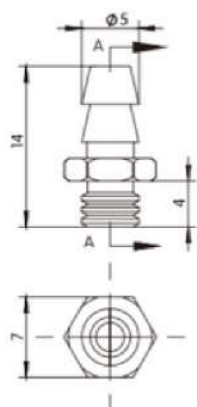
Ds (mm)	F (N)	H (mm)	DK (mm)	HTI	SI	NBR	Vacuum cup fitting
5.5	0.5	11	7	GSV2-5.5-HTI	GSV2-5.5-SI	GSV2-5.5-NBR	JJT-01
11	1.7	16	10	GSV2-11-HTI	GSV2-11-SI	GSV2-11-NBR	JJT-02/JJT-03
13	2.5	16	10	GSV2-13-HTI	GSV2-13-SI	GSV2-13-NBR	JJT-02/JJT-03
16	2.7	19	10	GSV2-16-HTI	GSV2-16-SI	GSV2-16-NBR	JJT-02/JJT-03
18	4.4	16.5	10	GSV2-18-HTI	GSV2-18-SI	GSV2-18-NBR	JJT-02/JJT-03
19	5.6	16	10	GSV2-19-HTI	GSV2-19-SI	GSV2-19-NBR	JJT-02/JJT-03
22	6.1	19	10	GSV2-22-HTI	GSV2-22-SI	GSV2-22-NBR	JJT-02/JJT-03
25	7.9	23	10	GSV2-25-HTI	GSV2-25-SI	GSV2-25-NBR	JJT-02/JJT-03
33	13.9	27.5	18	GSV2-33-HTI	GSV2-33-SI	GSV2-33-NBR	JJT-04+JJT-05
43	20.2	28	18	GSV2-43-HTI	GSV2-43-SI	GSV2-43-NBR	JJT-04+JJT-05
53	42.6	34	18	GSV2-53-HTI	GSV2-53-SI	GSV2-53-NBR	JJT-04+JJT-05
63	59.2	34	18	GSV2-63-HTI	GSV2-63-SI	GSV2-63-NBR	JJT-04+JJT-05

VACUUM CUPS (2.5 BELLOWS)

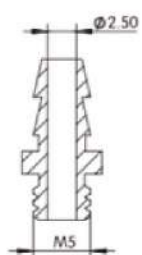


Ds (mm)	F (N)	H (mm)	DK (mm)	HTI	SI	NBR	Vacuum cup fitting
5	0.5	13.5	7	GSV2-5.5-HTI	GSV2-5.5-SI	GSV2-5.5-NBR	JJT-01
7	0.9	13.5	9	GSV2-11-HTI	GSV2-11-SI	GSV2-11-NBR	JJT-02/JJT-03
9	1.1	15	9	GSV2-13-HTI	GSV2-13-SI	GSV2-13-NBR	JJT-02/JJT-03
12	2.8	21	10	GSV2-16-HTI	GSV2-16-SI	GSV2-16-NBR	JJT-02/JJT-03
14	3.0	23	10	GSV2-18-HTI	GSV2-18-SI	GSV2-18-NBR	JJT-02/JJT-03
17.5	4.4	23	10	GSV2-19-HTI	GSV2-19-SI	GSV2-19-NBR	JJT-02/JJT-03
20	4.6	23	10	GSV2-22-HTI	GSV2-22-SI	GSV2-22-NBR	JJT-02/JJT-03
25	6.5	34	10	GSV2-25-HTI	GSV2-25-SI	GSV2-25-NBR	JJT-02/JJT-03
32	12.1	37.5	18	GSV2-33-HTI	GSV2-33-SI	GSV2-33-NBR	JJT-04+JJT-05
42	20.9	46	18	GSV2-43-HTI	GSV2-43-SI	GSV2-43-NBR	JJT-04+JJT-05
52	28.9	49	18	GSV2-53-HTI	GSV2-53-SI	GSV2-53-NBR	JJT-04+JJT-05
62	41.2	55	21	GSV2-63-HTI	GSV2-63-SI	GSV2-63-NBR	JJT-04+JJT-05

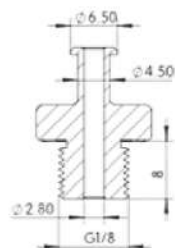
VACUUM CUPS FITTING



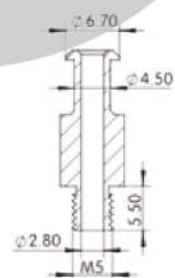
JJT-01



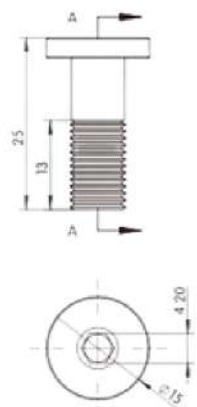
JJT-02



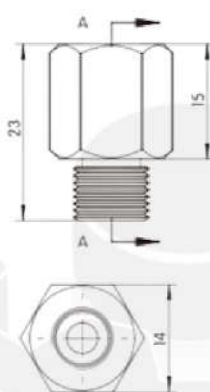
JJT-03



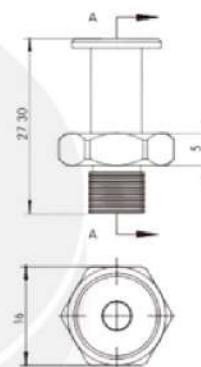
JJT-04



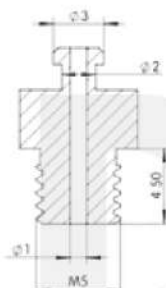
JJT-05



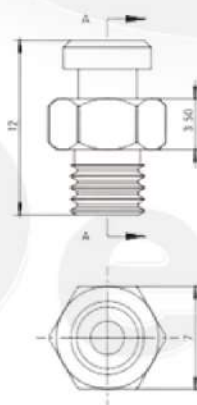
JJT-06



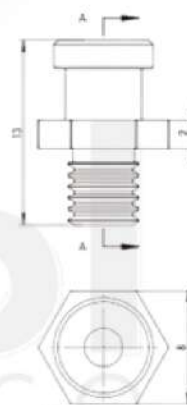
JJT-07



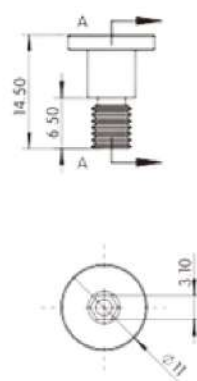
JJT-08



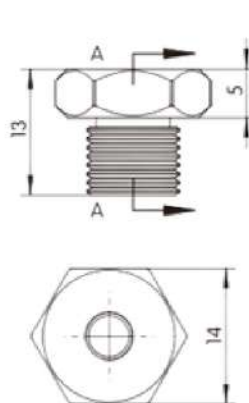
JJT-09



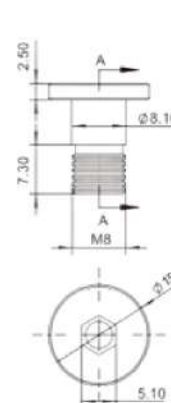
JJT-10



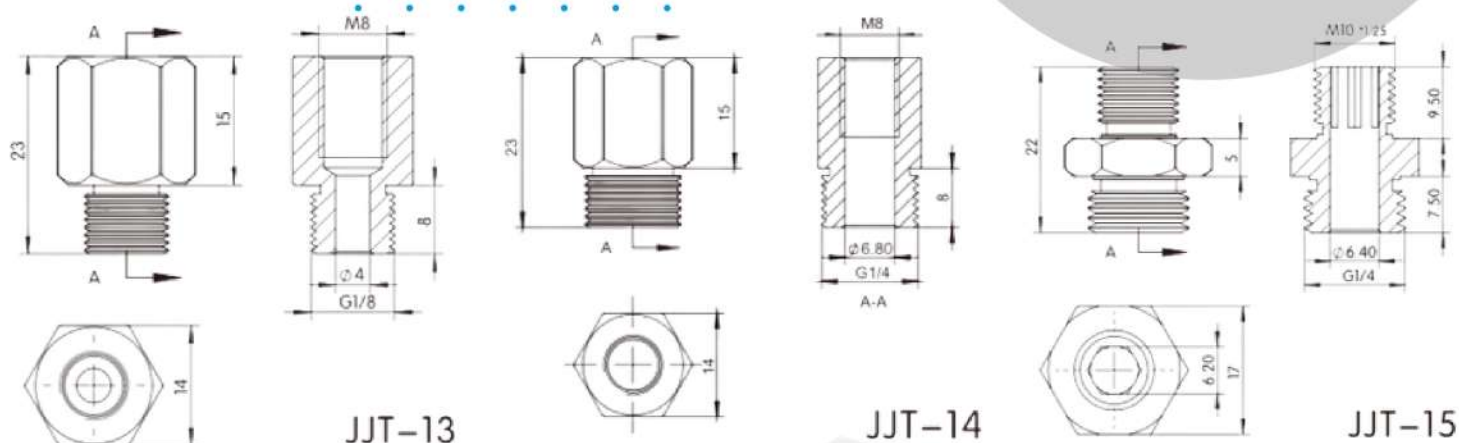
JJT-11



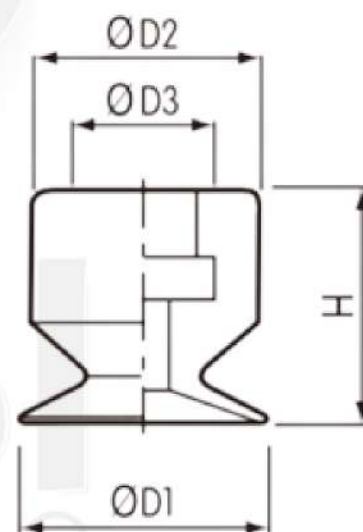
JJT-12



VACUUM CUPS FITTING

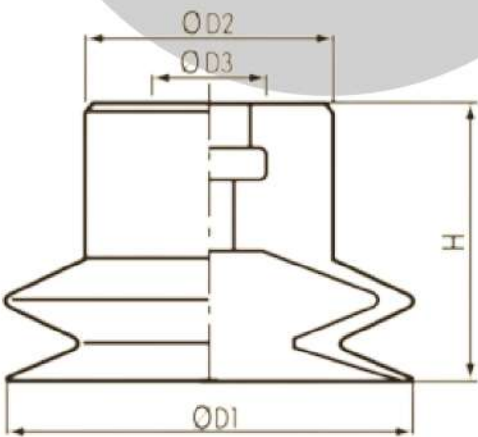


VACUUM CUPS (FLAT)



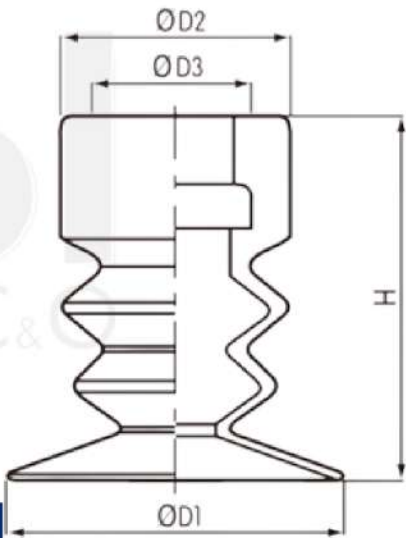
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-01-S02	2	10.5	5	16	0.5	SILICONE
V-01-S04	4	10.5	5	16	0.7	SILICONE
V-01-S06	6	10.5	5	10.5	0.9	SILICONE
V-01-S08	8	10.5	5	10.5	1.1	SILICONE
V-01-S10	10	10.5	5	10.5	1.6	SILICONE
V-01-S12	12	10.5	5	10.5	2.0	SILICONE
V-01-S15	15	12	5	12	3.7	SILICONE
V-01-S20	20	12	5	12	6.1	SILICONE
V-01-S25	25	12	5	12	9.4	SILICONE
V-01-S30	30	12	5	12	15.9	SILICONE

VACUUM CUPS (1.5 BELOWS)



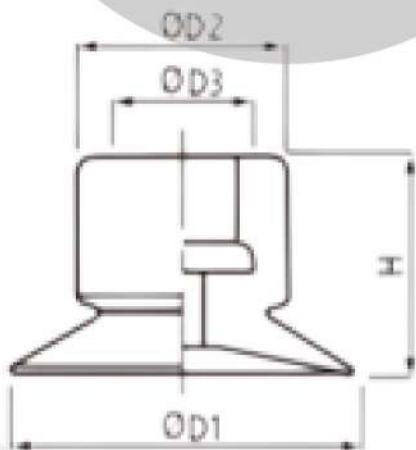
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-02-S06	6	12	5	13	0.5	SILICONE
V-02-S08	8	12	5	15	0.7	SILICONE
V-02-S10	10	12	5	11	0.9	SILICONE
V-02-S11	11	12	5	11	1.1	SILICONE
V-02-S12	12	12	5	11	1.6	SILICONE
V-02-S15	15	15	5	11	2.0	SILICONE
V-02-S20	20	15	5	13	3.7	SILICONE
V-02-S25	25	15	5	13	6.1	SILICONE
V-02-S30	30	18	5	13	9.4	SILICONE

VACUUM CUPS (2.5 BELOWS)



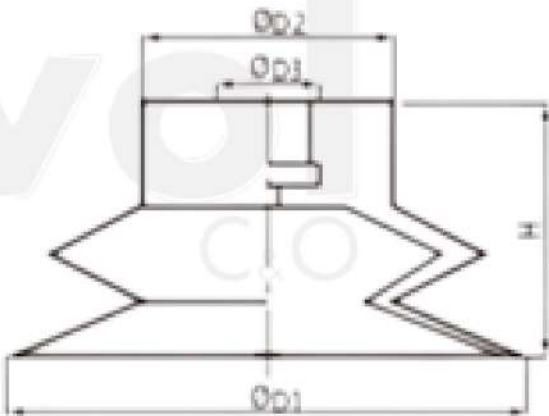
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-03-S06	6	11	5	14	0.5	SILICONE
V-03-S08	8	11	5	14	0.7	SILICONE
V-03-S10	10	11	5	14	0.9	SILICONE
V-03-S12	12	11	5	14	1.1	SILICONE
V-03-S115	15	11	5	14	1.6	SILICONE

VACUUM CUPS (FLAT)



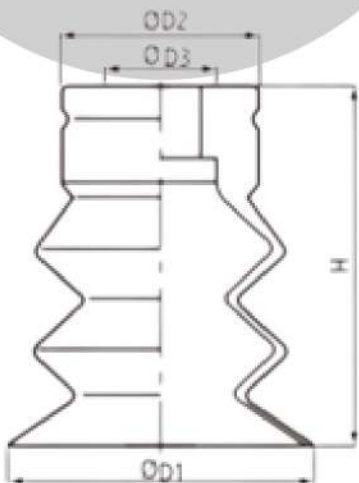
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-01-M04	4	15	8	14	0.5	SILICONE
V-01-M06	6	15	8	15	0.7	SILICONE
V-01-M08	8	15	8	15	0.9	SILICONE
V-01-M10	10	15	8	15	1.1	SILICONE
V-01-M12	12	15	8	15	1.6	SILICONE
V-01-M15	15	16	8	15	2.0	SILICONE
V-01-M20	20	16	8	15	3.7	SILICONE
V-01-M25	25	15	8	15	6.1	SILICONE
V-01-M30	30	16	8	15	9.4	SILICONE
V-01-M40	40	17	8	16	15.9	SILICONE

VACUUM CUPS (1.5 BELOWS)



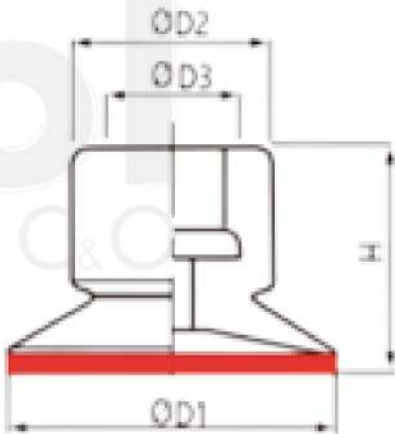
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-02-M06	6	15	8	17	0.5	SILICONE
V-02-M08	8	15	8	17	0.7	SILICONE
V-02-M10	10	15	8	17	0.9	SILICONE
V-02-M12	12	15	8	17	1.1	SILICONE
V-02-M15	15	15	8	18	1.6	SILICONE
V-02-M20	20	15	8	18	2.0	SILICONE
V-02-M25	25	15	8	18	3.7	SILICONE
V-02-M30	30	18	8	19	6.1	SILICONE
V-02-M40	40	23	8	22	9.4	SILICONE
V-02-M50	50	24	8	24	9.4	SILICONE

VACUUM CUPS (2.5 BELOWS)



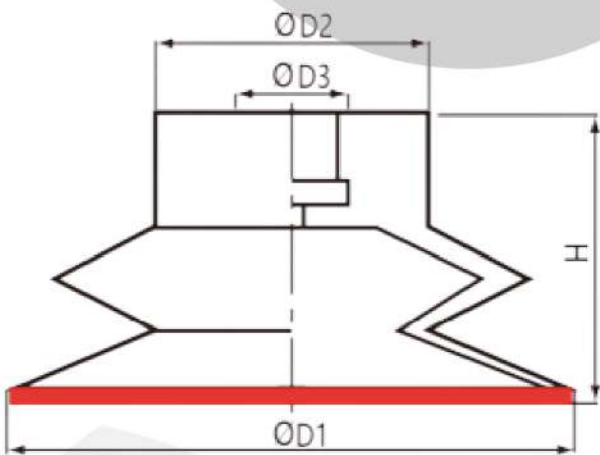
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-03-M08	8	11	7	13	0.5	SILICONE
V-03-M10	10	11	7	15	0.7	SILICONE
V-03-M15	15	11	7	11	0.9	SILICONE
V-03-M20	20	11	7	11	1.1	SILICONE
V-03-M25	25	11	7	11	1.6	SILICONE
V-03-M30	30	11	7	11	1.6	SILICONE
V-03-M40	40	11	7	11	1.6	SILICONE
V-03-M50	50	11	7	11	1.6	SILICONE

VACUUM CUPS WITH SPONGE (FLAT)



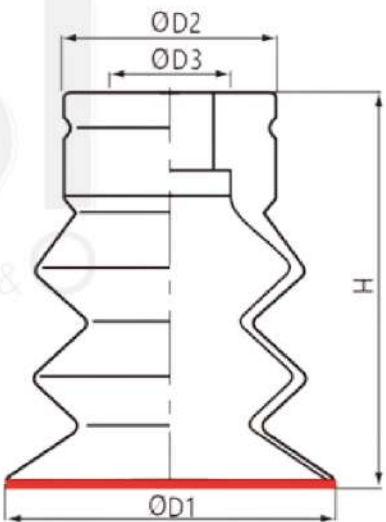
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-01-H10	10	11	7	13	0.5	SILICONE
V-01-H12	12	11	7	15	0.7	SILICONE
V-01-H15	15	11	7	11	0.9	SILICONE
V-01-H20	20	11	7	11	1.1	SILICONE
V-01-H25	25	11	7	11	1.6	SILICONE
V-01-H30	30	11	7	11	2.0	SILICONE
V-01-H40	40	11	7	11	3.7	SILICONE

VACUUM CUPS WITH SPONGE (1.5 BELLOWS)



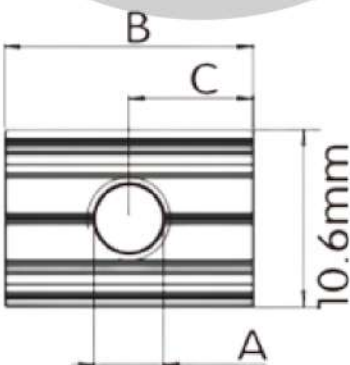
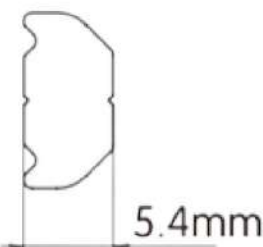
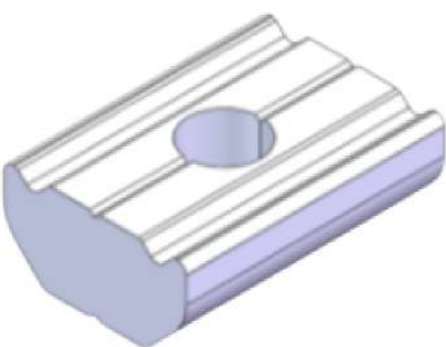
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-02-H10	10	11	7	13	0.5	SILICONE
V-02-H12	12	11	7	15	0.7	SILICONE
V-02-H15	15	11	7	11	0.9	SILICONE
V-02-H20	20	11	7	11	1.1	SILICONE
V-02-H25	25	11	7	11	1.6	SILICONE
V-02-H30	30	11	7	11	2.0	SILICONE
V-02-H40	40	11	7	13	3.7	SILICONE
V-02-H50	50	12	7	13	6.1	SILICONE

VACUUM CUPS WITH SPONGE (2.5 BELLOWS)



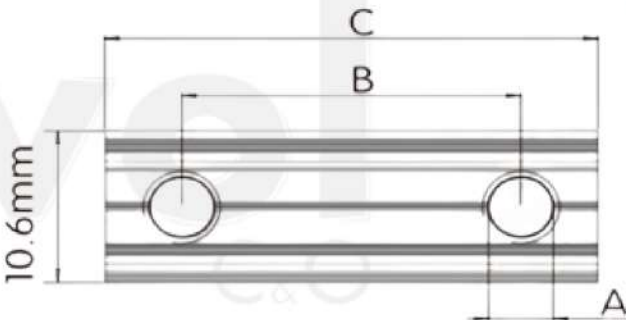
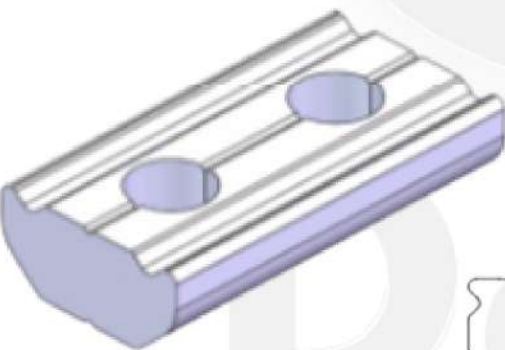
MODEL.	D1(mm)	D2(mm)	D3(mm)	H(mm)	F(N)	MATERIALS
V-03-H10	10	11	7	13	0.5	SILICONE
V-03-H12	12	11	7	15	0.7	SILICONE
V-03-H15	15	11	7	11	0.9	SILICONE
V-03-H20	20	11	7	11	1.1	SILICONE
V-03-H25	25	11	7	11	1.6	SILICONE
V-03-H30	30	11	7	11	1.6	SILICONE
V-03-H40	40	11	7	11	1.6	SILICONE
V-03-H40	50	11	7	11	1.6	SILICONE

T-NUTS

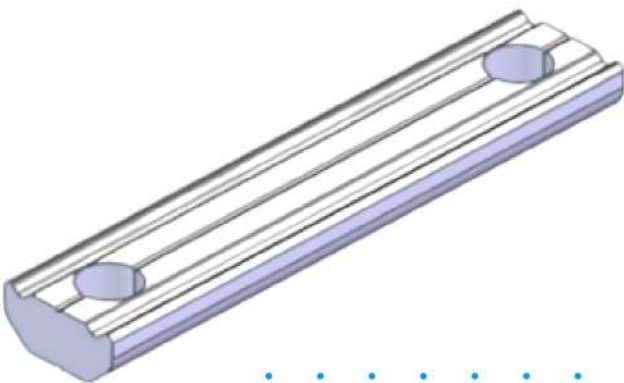


MODEL.	A	B	C	Weight
STN-M4	M4	15	7.5	5gr
STN-M5	M5	15	7.5	5gr
STN-M6	M6	15	7.5	5gr

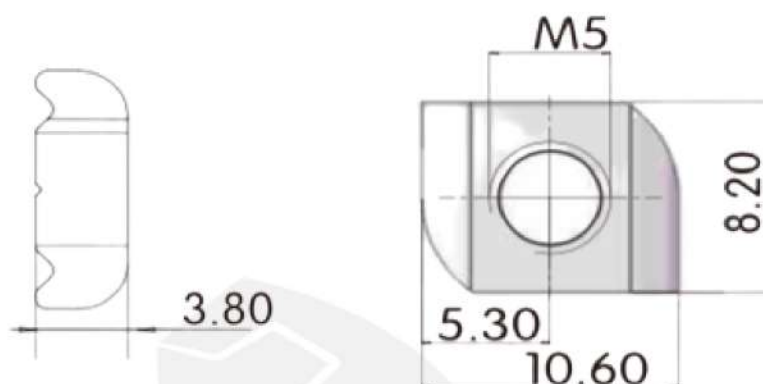
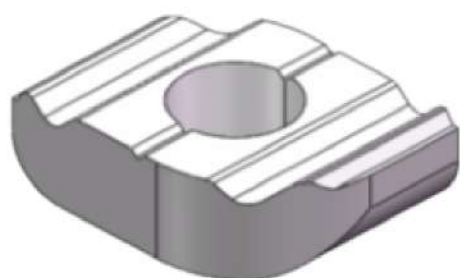
DOUBLE HOLE T-NUTS



MODEL.	A	B	C	Weight
STN-M4D8	M4	8	16	5gr
STN-M5D10	M5	10	20	7gr
STN-M5D15	M5	15	25	9gr
STN-M5D17	M5	17	25	9gr
STN-M5D22	M5	22	32	11gr
STN-M5D25	M5	25	35	13gr
STN-M5D28	M5	28	38	14gr
STN-M5D30	M5	30	40	15gr
STN-M5D35	M5	35	45	16gr
STN-M5D40	M5	40	50	18gr
STN-M5D50	M5	50	60	22gr
STN-M5D60	M5	60	70	26gr
STN-M5D90	M5	90	100	38gr

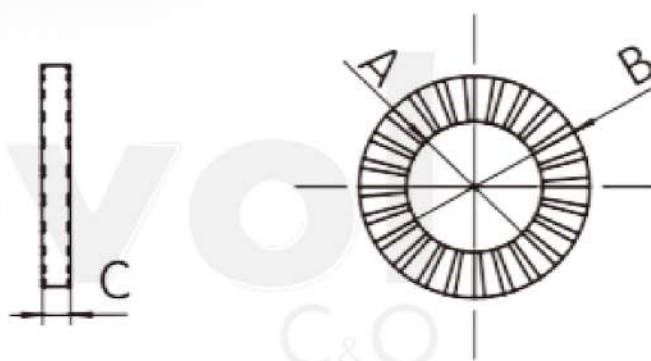
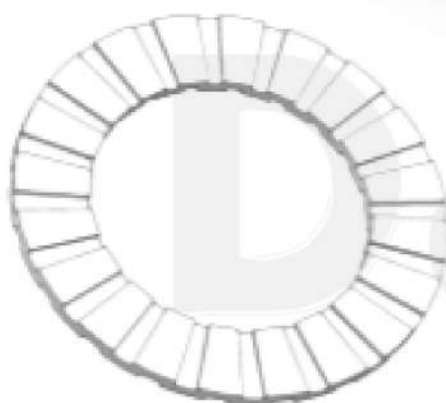


LAST-MINUTE NUT



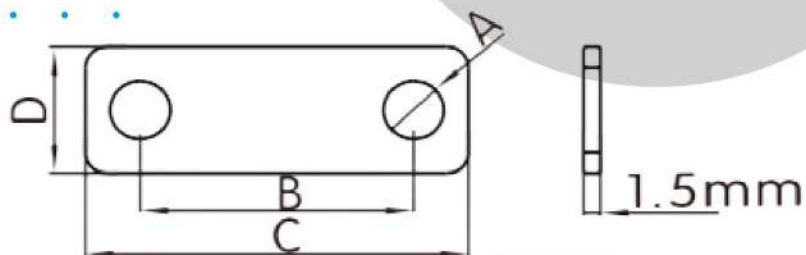
MODEL	Weight
STN-M5R	2gr

SINGLE HOLE SHIM

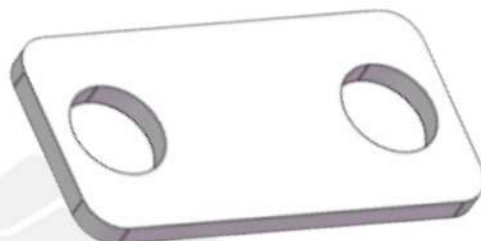


MODEL.	A	B	C
STS-M3	3.5	5	0.45
STS-M4	4.5	7	0.45
STS-M5	5.5	9	0.55
STS-M6	6.5	10	0.65
STS-M8	8.5	11	0.65

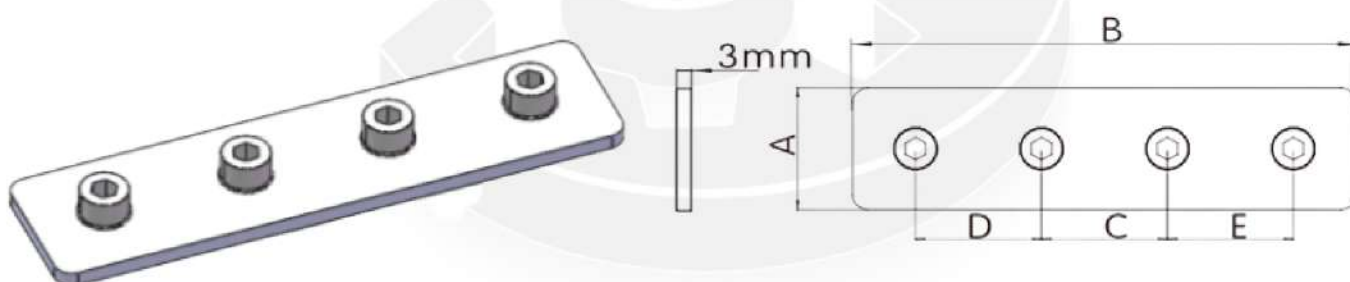
DOUBLE HOLE SHIM



MODEL.	A	B	C	D
STD-M4D8	4.5	8	16	12
STD-M4D10	5.5	10	20	12
STD-M4D15	5.5	15	25	12
STD-M4D17	5.5	17	25	12
STD-M4D22	5.5	22	32	12
STD-M4D25	5.5	25	32	12

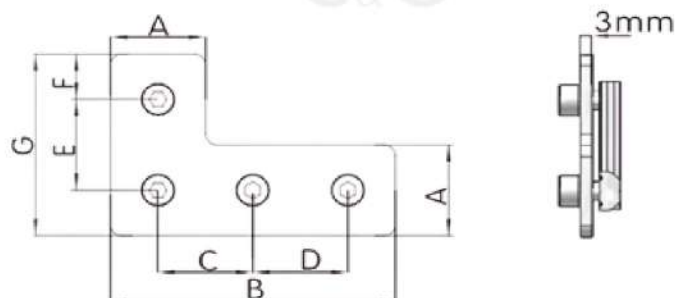


STRAIGHT FIXING PLATE



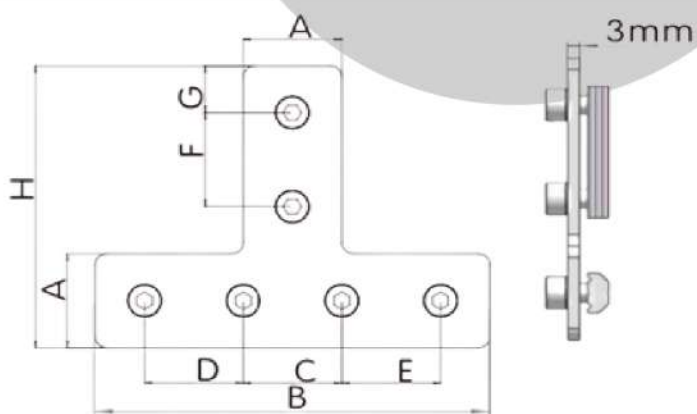
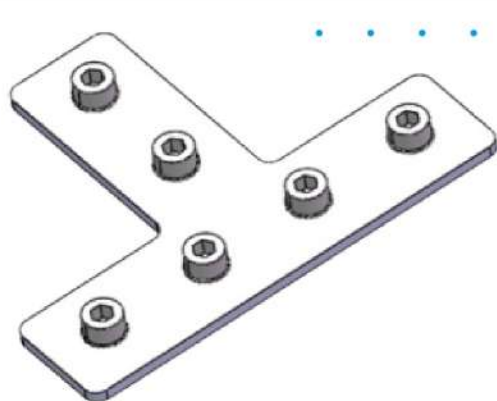
MODEL.	A	B	C	D	E	Weight
BSP-2550T	25	50	25	-	-	45gr
BSP-25100T	25	100	25	25	25	95gr
BSP-40160T	40	160	40	40	40	195gr

STRAIGHT FIXING PLATE



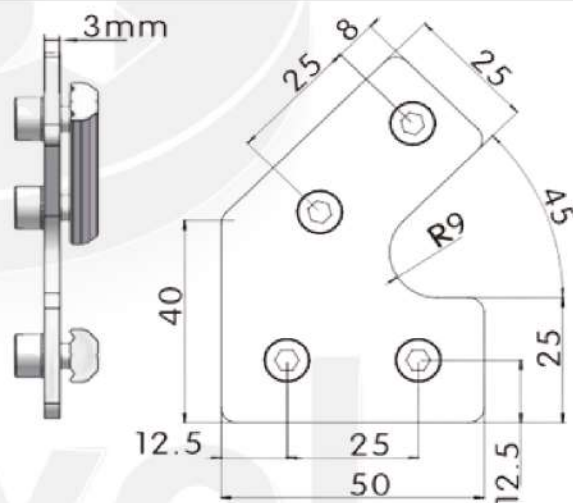
MODEL.	A	B	C	D	E	F	G	Weight
BLP-2550T	25	50	25	-	25	12.5	50	70gr
BLP-2575T	25	75	25	25	25	12.5	50	95gr
BLP-40120T	40	120	40	40	40	20	80	200gr

T-SHAPED FIXING PLATE



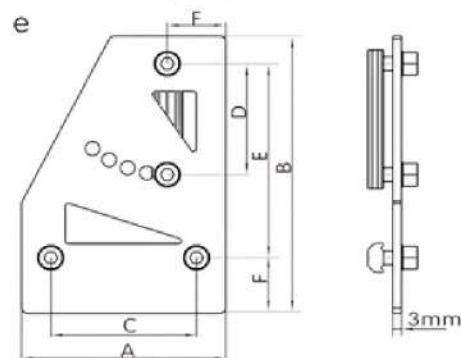
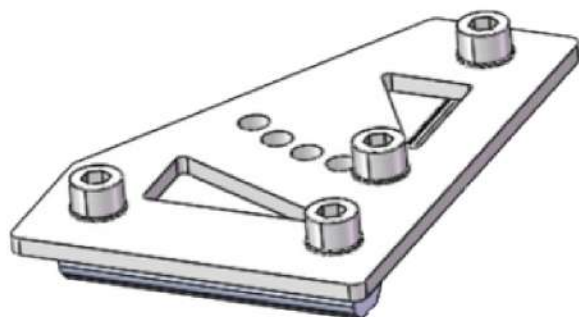
MODEL.	A	B	C	D	E	F	G	H	Weight
BTP-2550T	25	50	25	-	-	25	12.5	75	95gr
BTP-25100T	25	100	25	25	25	25	12.5	75	145gr
BTP40120T	40	120	90	-	-	40	15	110	250gr

45° SHAPED FIXING PLATE



MODEL	Weight
BTP-45T	100gr

SHAPED FIXING PLATE WITH ADJUSTABLE ANGLE

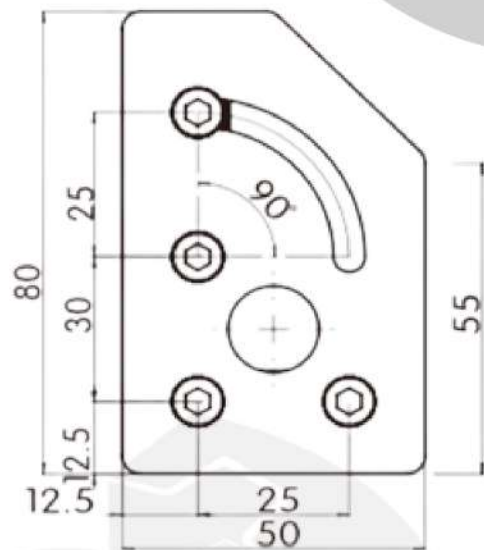


MODEL.	A	B	C	D	E	F	Weight
BAP-A60T	60	85	40	40	76	12.5	130gr
BAP-A90T	70	95	60	50	86	12.5	215gr
BAP-A70T	90	100	50	40	90	20	175gr

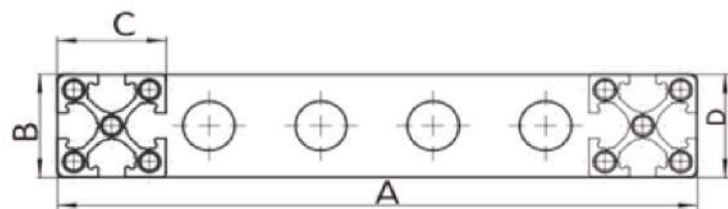
SHAPED FIXING PLATE WITH ADJUSTABLE ANGLE



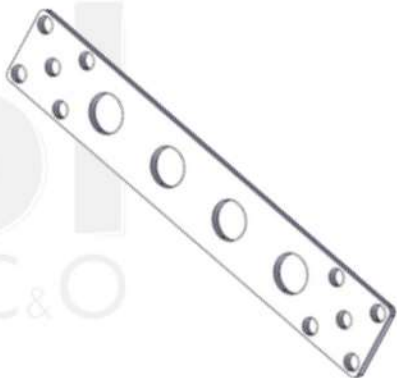
MODEL.	Weight
BAP-A50T	115gr



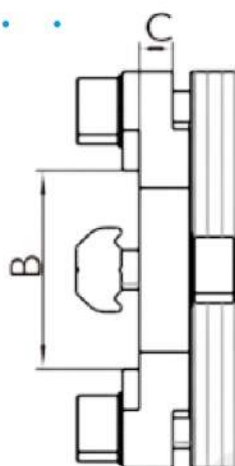
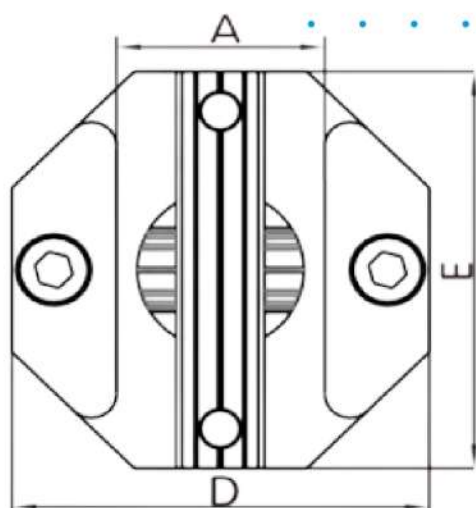
SHAPED FIXING PLATE



MODEL.	A	B	C	D	E	Weight
BFSB-7625T	76	25	25	28	104	50gr
BFSB-12025T	120	25	25	28	148	60gr
BFSB-13025T	130	25	25	28	158	65gr
BFSB-7650T	76	50	25	53	104	75gr
BFSB-12050T	120	50	25	53	148	100gr
BFSB-13050T	130	50	25	53	158	110gr



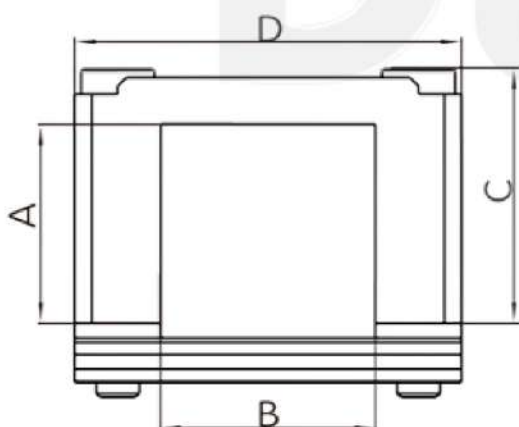
CROSS MOUNTING BRACKET FOR PROFILES



MODEL.	A	B	C	D	E	Weight
BCMB-1818T	18	18	2	38	38	40gr
BCMB-1825T	18	25	4	38	45	60gr
BCMB-2020T	20	20	4	50	50	30gr
BCMB-2525T	25	25	4	50	50	75gr
BCMB-2540T	25	40	4	45	60	75gr
BCMB-2550T	25	50	4	70	70	155gr
BCMB-2580T	25	80	4	45	100	140gr
BCMB-4040T	40	40	4	60	60	85gr
BCMB-4080T	40	80	4	60	100	175gr
BCMB-5050T	50	50	4	70	70	170gr
BCMB-8080T	80	80	4	100	100	255gr



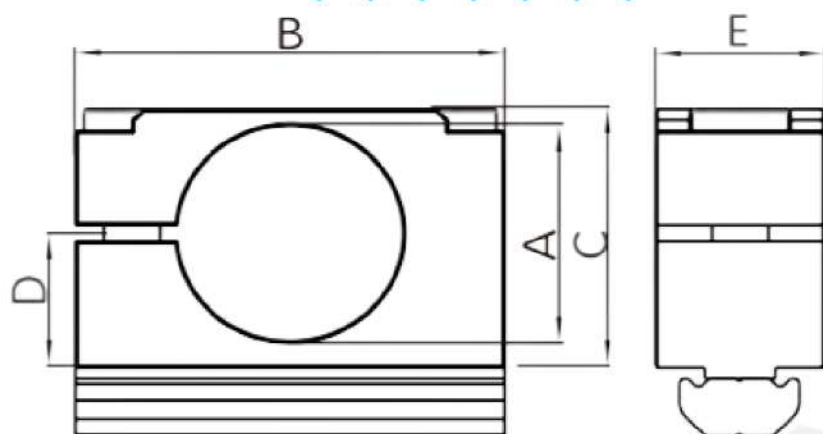
CROSS (SQUARE) JOINT CONNECTOR



MODEL.	A	B	C	D	E	Weight
BSMB-1818T	18	18	29	38	12	41gr
BSMB-1825T	18	25	29	45	12	45gr
BSMB-2525T	25	25	32	45	12	45gr
BSMB-5025T	50	25	57	45	12	65gr
BSMB-2550T	25	50	32	70	12	65gr

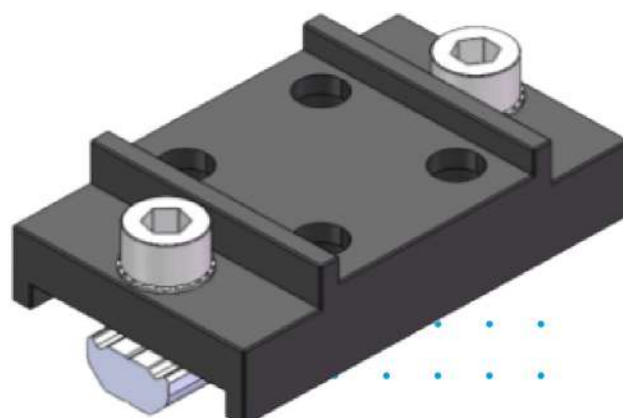
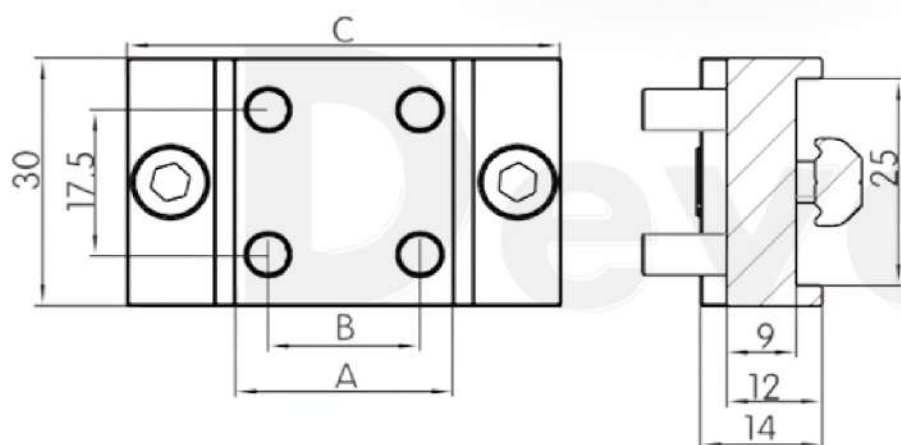


CROSS (ROUND) JOINT CONNECTOR



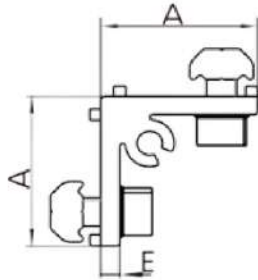
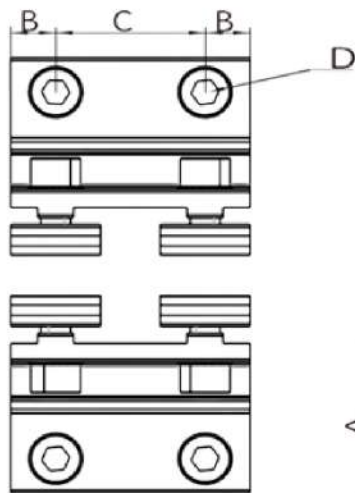
MODEL.	A	B	C	D	E	Weight
BRMB-1025T	10	25	18.5	7	10	15gr
BRMB-1432T	14	32	23	9	12	32gr
BRMB-2038T	20	38	28	12.5	15	45gr
BRMB-3050T	30	50	34	17	20	75gr
BRMB-5070T	50	70	56	28	25	150gr

CROSS (ROUND) JOINT CONNECTOR



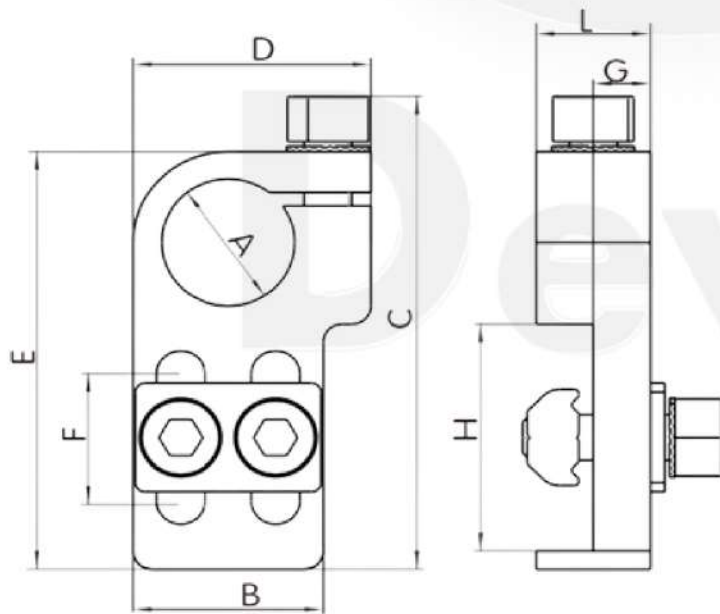
MODEL.	A	B	C	Weight
BVMB-2550T	25	50	17.5	65gr
BVMB-5070T	50	70	42.5	85gr

ANGLE BRACKET FOR PROFILES



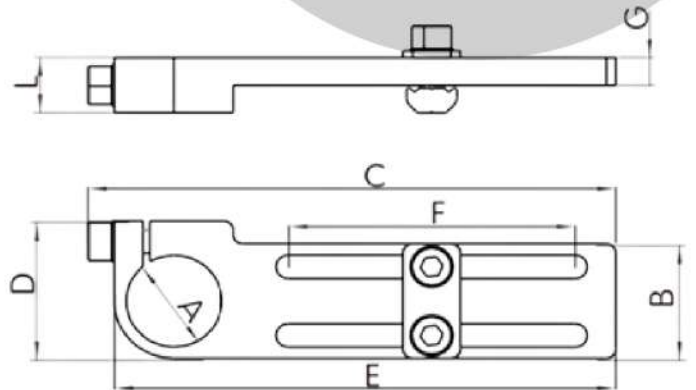
MODEL.	A	B	C	D	E	Weight
BFAB-2525T	28	9	-	2X5.2	3.2	10gr
BFAB-2550T	28	7.5	25	4X5.2	3.2	22gr
BFAB-4040T	50	11	-	2X6.2	6.2	38gr
BFAB-4080T	50	15	40	4X6.2	6.2	126gr

MOUNTING BRACKET



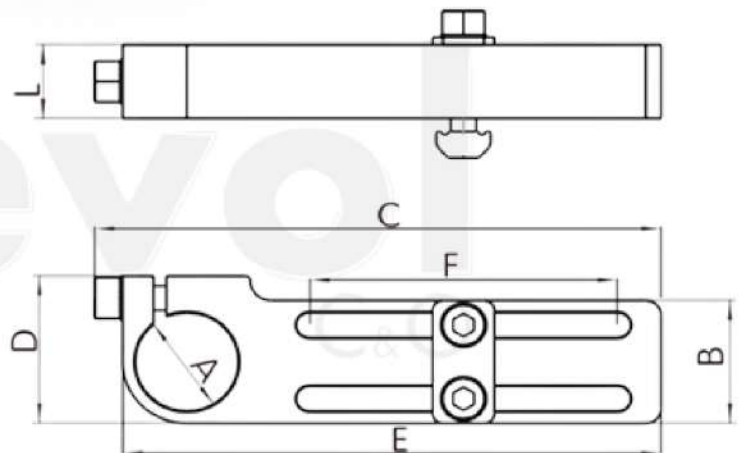
MODEL.	A	B	C	D	E	F	G	H	L	Weight
BMBE-1010T	10	16	43	20	38	10	4.5	18	8	20gr
BMBE-1014T	10	16	49	20	44	14	4.5	25	8	21gr
BMBE-1210T	12	16	43	20.5	38	10	4.5	18	8	22gr
BMBE-1214T	12	16	50	20.5	45	14	4.5	25	8	10gr
BMBE-1414T	14	20	52.1	25	46	14	6	25	12	34gr
BMBE-2014T	20	25	57.1	30	51.5	14	6.2	25	12	45gr
BMBE-2022T	20	25	74.1	30	68	22	6	40	12	48gr

MOUNTING BRACKET



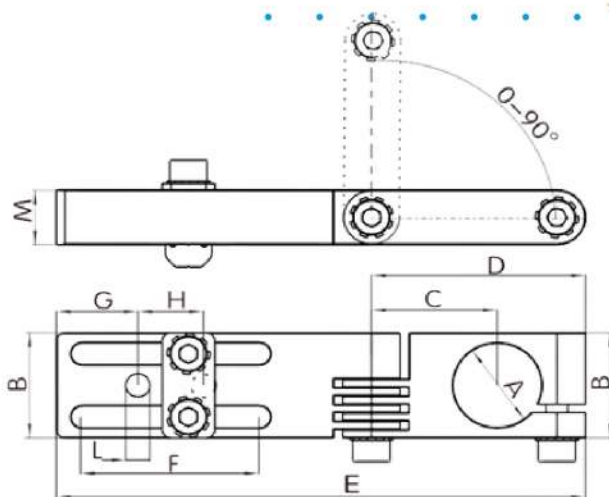
MODEL.	A	B	C	D	E	F	G	L	Weight
BMBA1-0840T	8	16	75	20	70	40	4.5	8	13gr
BMBA1-1040T	10	16	75	20	70	40	4.5	8	23gr
BMBA1-1240T	12	16	75	20	70	40	4.5	8	12gr
BMBA1-1440T	14	20	81.1	25	75	40	4.5	12	38gr
BMBA1-1450T	14	20	91.1	25	85	50	6	12	40gr
BMBA1-2060T	20	25	111.1	30	105	60	6.2	12	55gr
BMBA1-3060T	30	35	121.1	40	115	60	6	12	95gr

HEAVY DUTY MOUNTING BRACKET



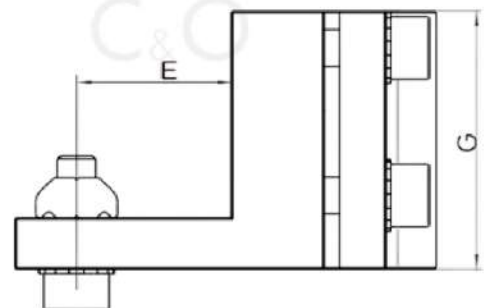
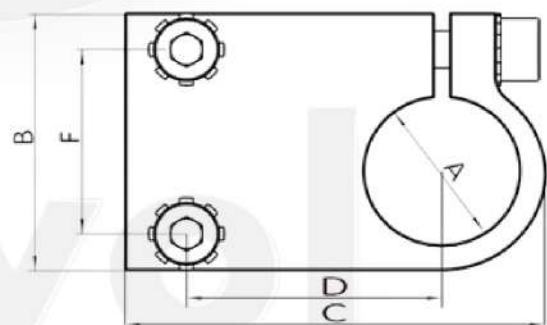
MODEL	A	B	C	D	E	F	L	Weight
BMBA2-1040T	10	16	75	20	70	40	8.3	30gr
BMBA2-1240T	12	16	75	20	70	40	8.3	40gr
BMBA2-1450T	14	20	91.1	25	85	50	12	60gr
BMBA2-2060T	20	25	111.1	30	105	60	15	85gr
BMBA2-3060T	30	35	121.1	40	115	60	20	175gr

SLOTTED ANGULAR BRACKET



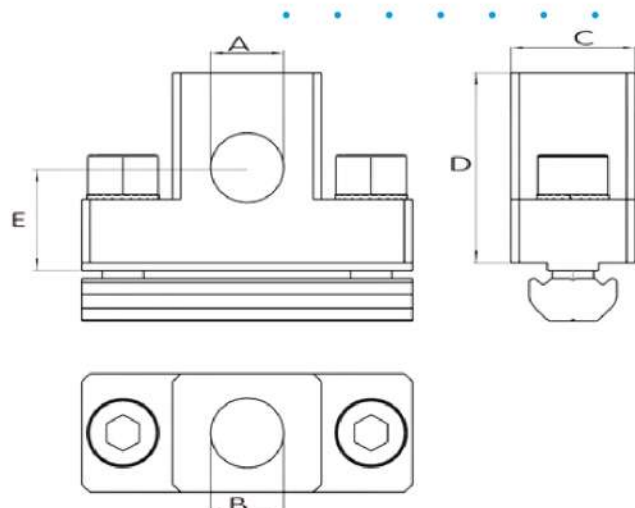
MODEL.	A	B	C	D	E	F	G	H	L	M	Weight
BMBA3-1020T	10	16	14	26.5	70	20	-	-	-	9	30gr
BMBA3-1220T	12	16	14	26.5	70	20	-	-	-	9	35gr
BMBA3-1430T	14	25	17	33	85	30	13.5	15	5.1	11	50gr
BMBA3-2040T	20	25	22	42	105	40	18.5	15	5.1	13	90gr
BMBA3-3050T	30	36	28	54.5	115	50	21	22	5.1	16	185gr

MOUNTING BRACKET



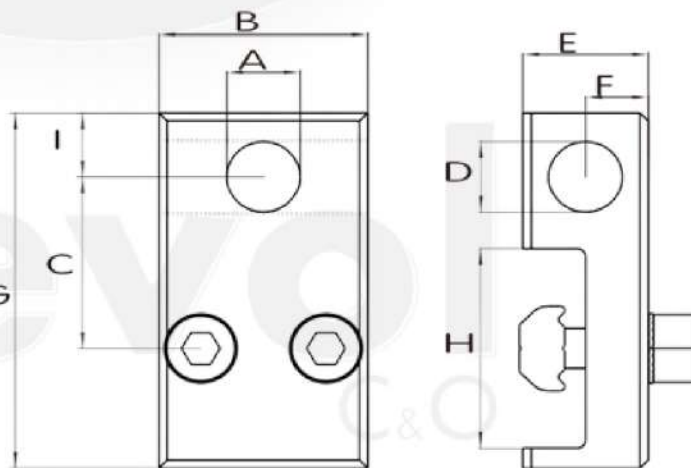
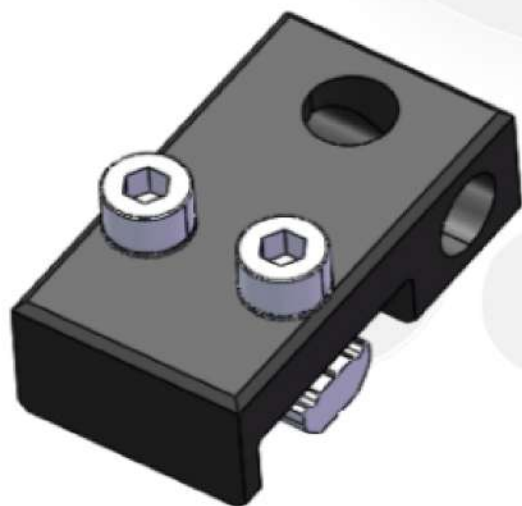
MODEL	A	B	C	D	E	F	G	Weight
BMBA4-1412T	14	25	40	22	12.5	15	25	50gr
BMBA4-2012T	20	32	45	24.5	12.5	22	30	70gr
BMBA4-2020T	20	35	54.5	33	20	25	35	95gr
BMBA4-3012T	30	40	55	29.5	12.5	30	30	90gr
BMBA4-3020T	30	45	65.5	39	20	35	40	150gr

DIRECT CONNECTOR FOR VACUUM CUP



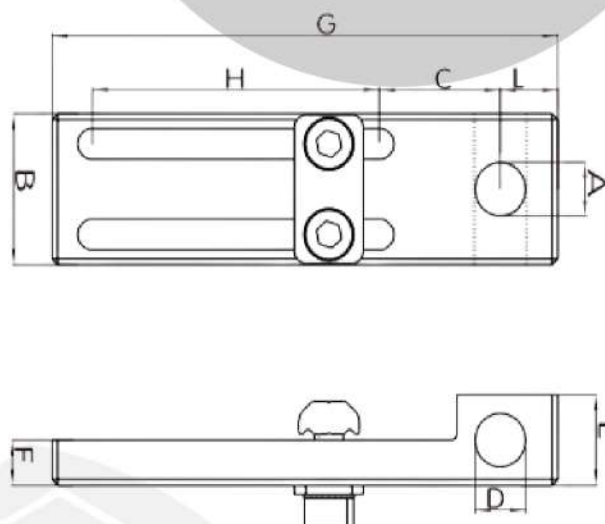
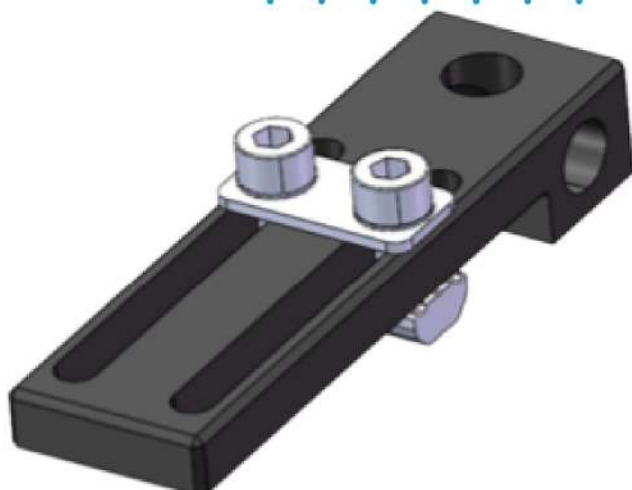
MODEL.	A	B	C	D	E	Weight
GSVA-G18	G1/8	G1/8	15	24	12	42gr
GSVA-G14	G1/4	G1/8	15	24	10	40gr

MOUNTING BRACKET FOR VACUUM CUP



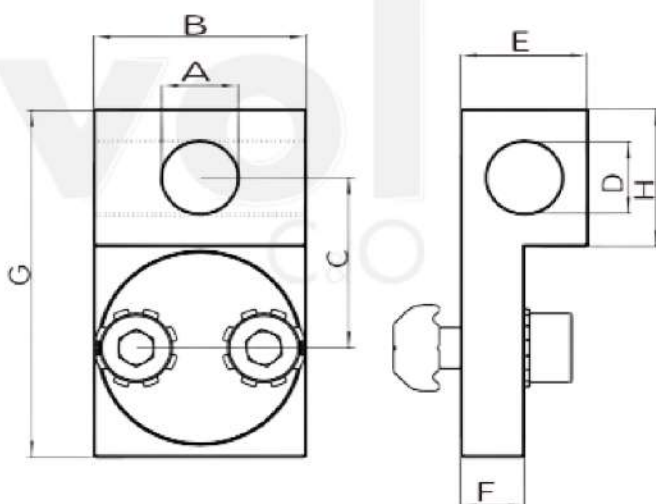
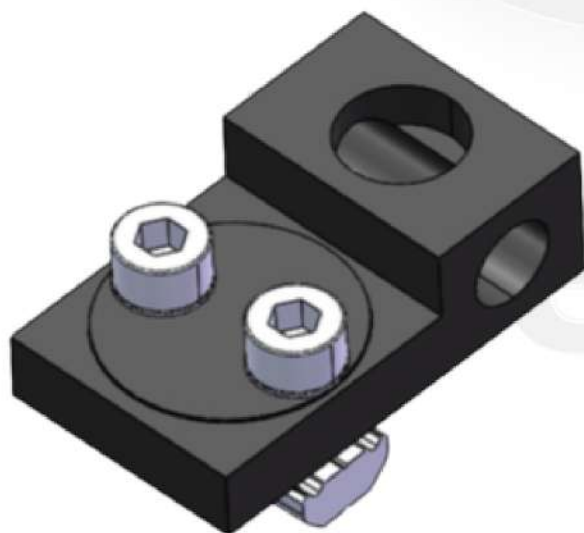
MODEL	A	B	C	D	E	F	G	H	I	Weight
GSVB-M5	M5	16	13.5	M5	8	4	29	18	4.3	15gr
GSVB-G18	G1/8	25	21.5	G1/8	15	7.5	44.5	25	8	45gr
GSVB-G14	G1/4	25	21.5	G1/8	15	7.5	46.5	25	10	45gr

LONG MOUNTING BRACKET VACUUM CUP



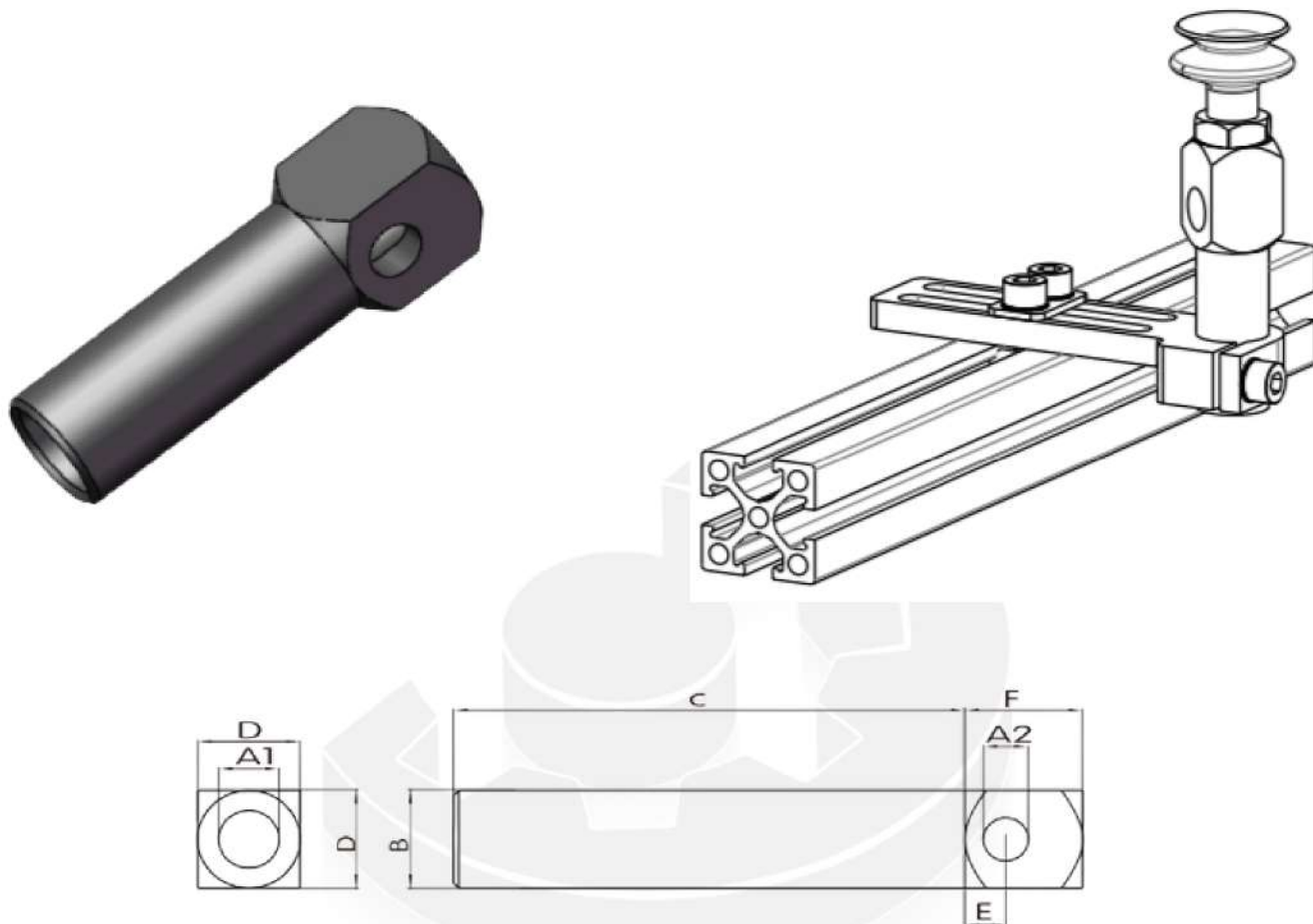
MODEL	A	B	C	D	E	F	G	H	L	Weight
GSVC-M5	M5	16	14	M5	8	4	65	40	6	20gr
GSVC-G18	G1/8	25	21	G1/8	15	7.5	88	50	10	60gr
GSVC-G14	G1/4	25	21	G1/8	15	7.5	88	50	10	60gr

ADJUSTABLE ANGLE MOUNTING BRACKET FOR VACUUM CUP



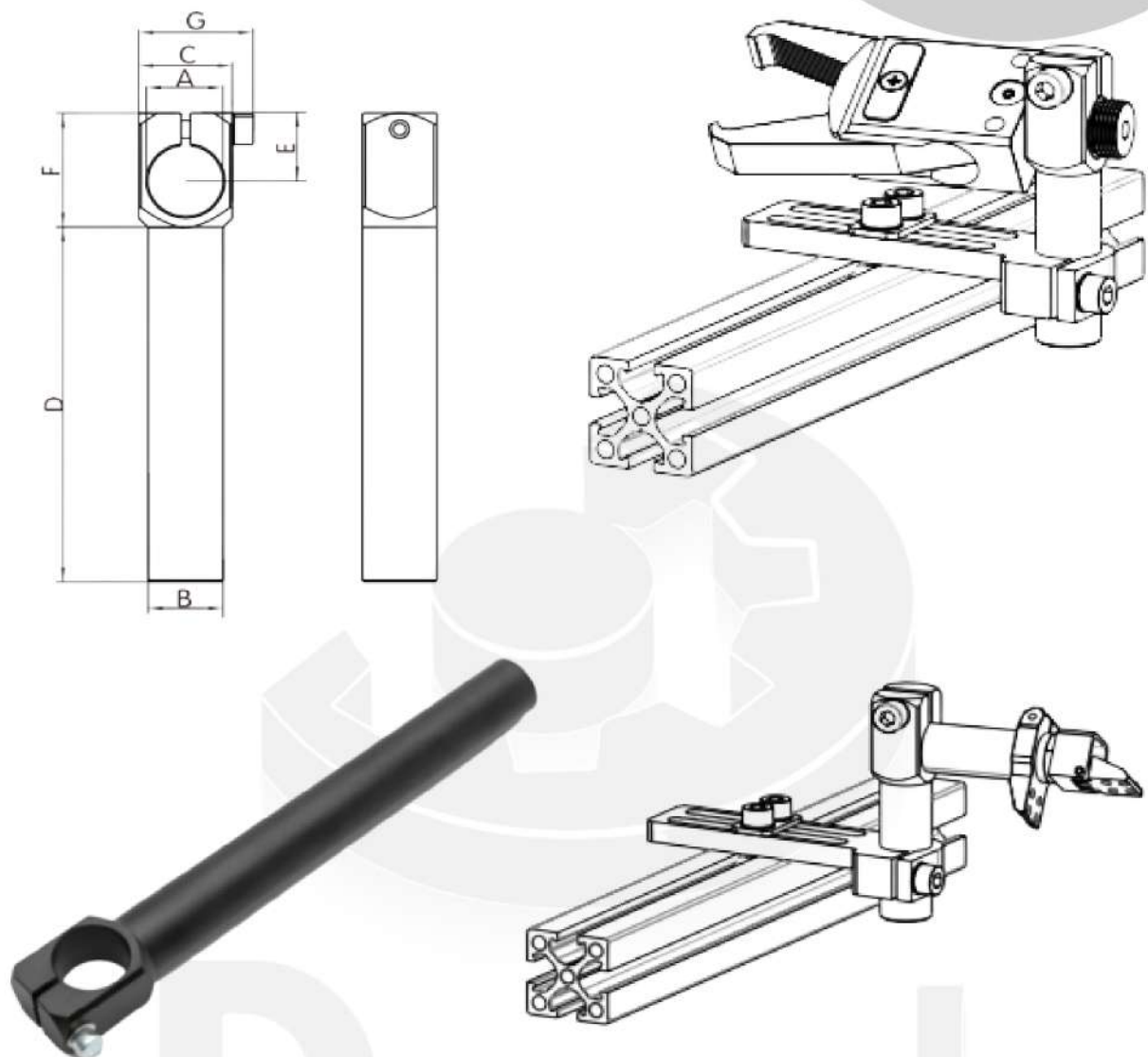
MODEL	A	B	C	D	E	F	G	H	Weight
GSVD-M5	M5	16	13	M5	10	5.3	28	10	15gr
GSVD-G18	G1/8	25	21	G1/8	15	7.8	43	17	45gr
GSVD-G14	G1/4	25	21	G1/8	15	7.8	43	17	42gr

LEG FOR VACUUM CUP



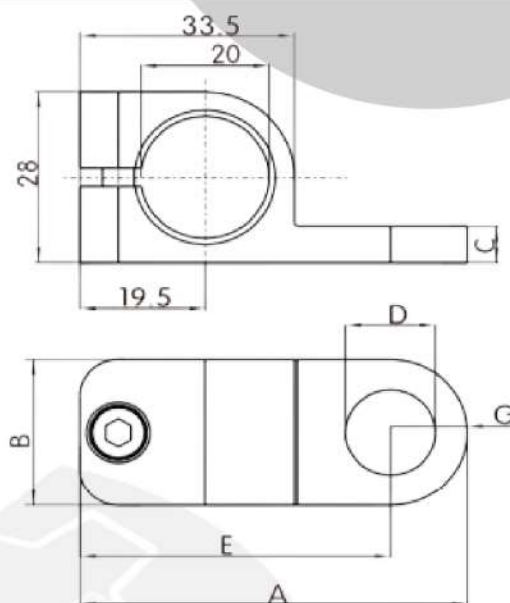
MODEL	A1	A2	B	C	D	E	F	Weight
GSVE-M51030	M5	M5	10	30	11	6	16	10gr
GSVE-M51060	M5	M5	10	60	11	6	16	13gr
GSVE-M51090	M5	M5	10	90	11	6	16	17gr
GSVE-M51230	M5	M5	12	30	13	7	17	12gr
GSVE-M51260	M5	M5	12	60	13	7	17	15gr
GSVE-M51290	M5	M5	12	90	13	7	17	19gr
GSVE-G181440	G1/8	G1/8	14	40	15	8	22	17gr
GSVE-G181480	G1/8	G1/8	14	80	15	8	22	25gr
GSVE-G1814120	G1/8	G1/8	14	120	15	8	22	32gr
GSVE-G142050	G1/8	G1/4	20	50	20	8	23	40gr
GSVE-G1420100	G1/8	G1/4	20	100	20	8	23	60gr
GSVE-G1420150	G1/8	G1/4	20	150	20	8	23	75gr

CLAMP LEG



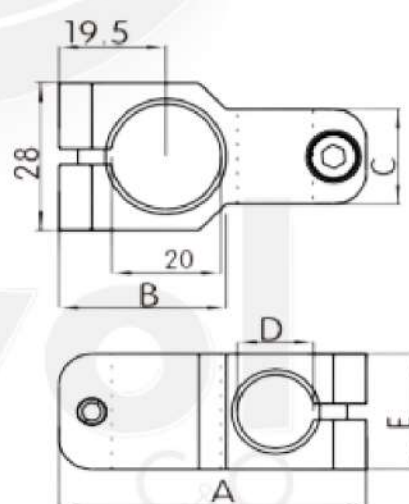
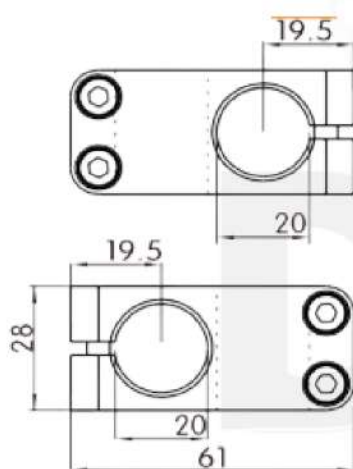
MODEL	A	B	C	D	E	F	G	Weight
GSCA1-1010L30	10	10	30	14	12	19	19	10gr
GSCA1-1010L60	10	10	60	14	12	19	19	15gr
GSCA1-1010L90	10	10	90	14	12	19	19	20gr
GSCA1-1212L30	12	12	30	19	14	21	21	13gr
GSCA1-1212L60	12	12	60	19	14	21	21	18gr
GSCA1-1212L90	12	12	90	19	14	21	21	23gr
GSCA1-1414L40	14	14	40	18	16	26	24	20gr
GSCA1-1414L80	14	14	80	18	16	26	24	30gr
GSCA1-1414L120	14	14	120	18	16	26	24	40gr
GSCA1-2020L50	20	20	50	25	19	32	32	45gr
GSCA1-2020L100	20	20	100	25	19	32	32	70gr
GSCA1-2020L150	20	20	150	25	19	32	32	105gr
GSCA1-3030L80	30	30	80	40	25	44	46	170gr
GSCA1-3030L140	30	30	140	40	25	44	46	230gr
GSCA1-3030L200	30	30	200	40	25	44	46	300gr

SWIVELLING SUPPORT



MODEL	A	B	C	D	E	G	Weight
GSCC-20G18	53.5	19	5	G1/8	44	R9.5	30gr
GSCC-20M16	60.5	24	6	M16X1	48.5	R12	40gr

CROSS CONNECTION BLOCK



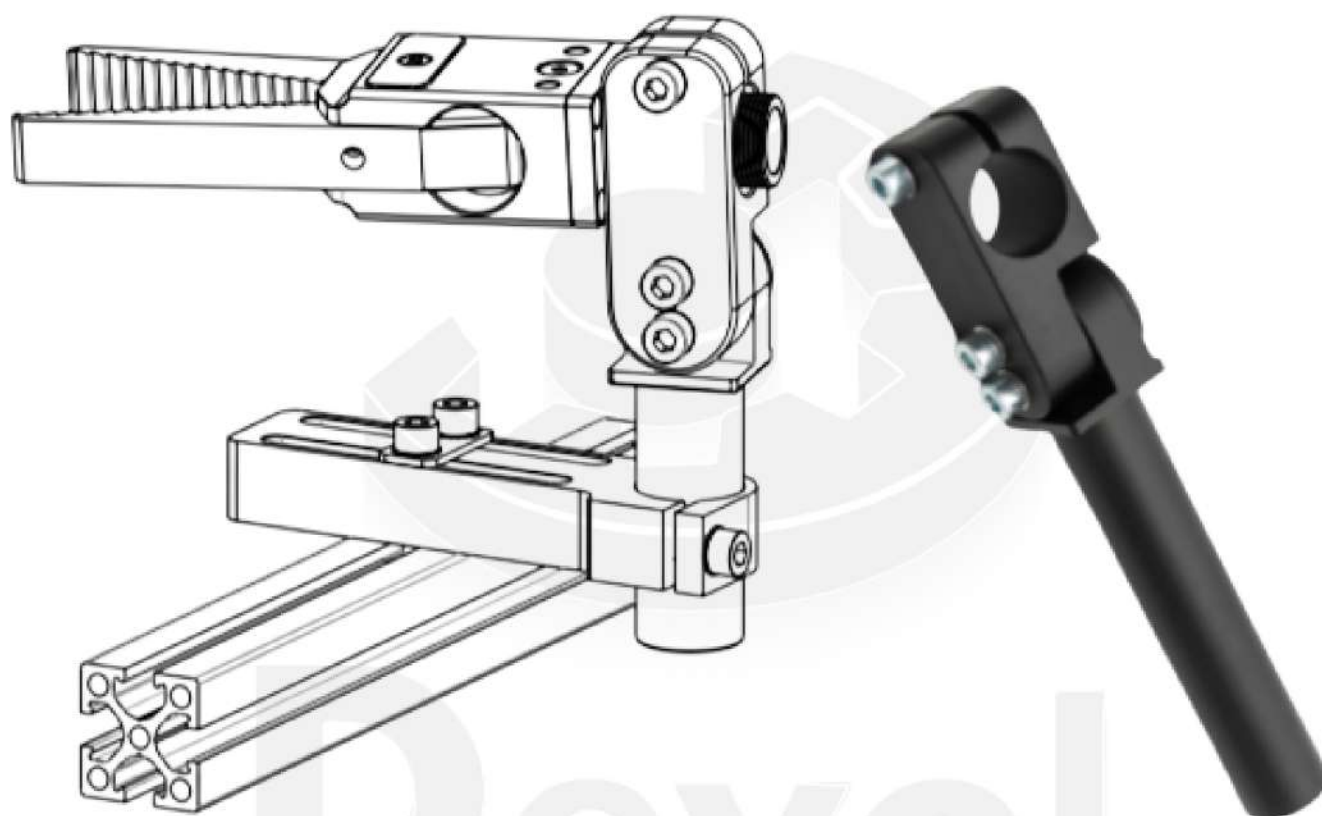
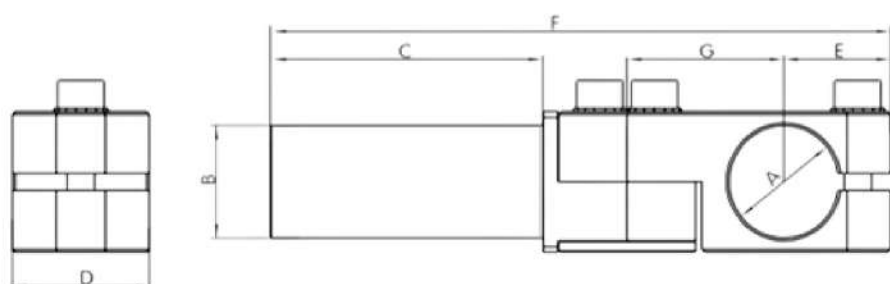
MODEL	A	B	C	D	E	Weight
GSCD-2010	54	32.5	14	10	19	40gr
GSCD-2014	56	30.5	18	14	22	40gr
GSCD-2020	-	-	-	-	-	70gr

ELBOW RAW



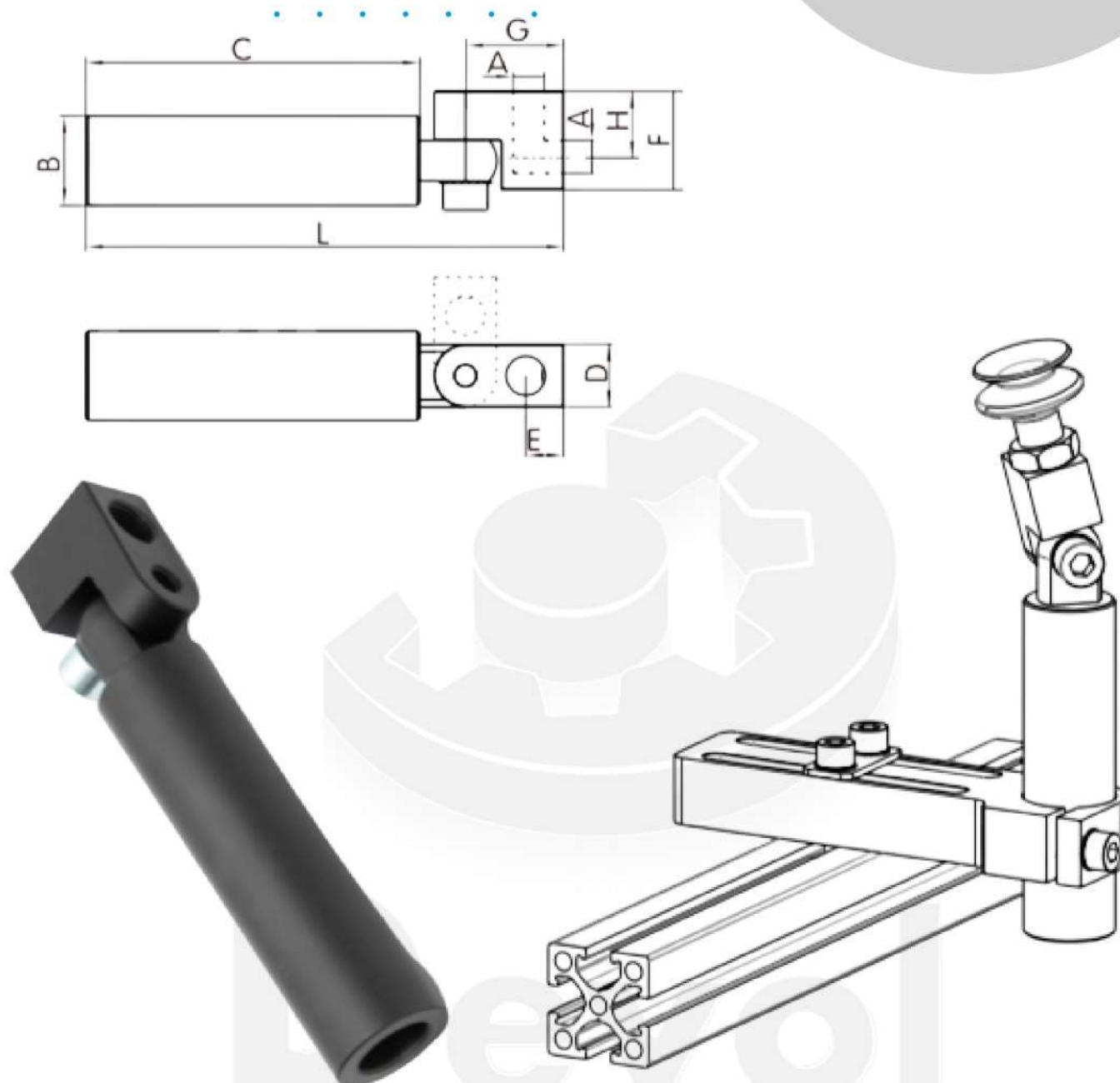
MODEL	A	B	C	D	E	F	G	Weight
GSEA-1010L60	10	10	60	10	13	93	12.5	20gr
GSEA-1212L60	12	12	60	12	15	98	14.5	22gr
GSEA-1414L40	14	14	40	14	16	82	16.5	32gr
GSEA-1414L80	14	14	80	14	16	122	16.5	42gr
GSEA-1414L120	14	14	120	14	16	162	16.5	50gr
GSEA-2020L50	20	20	50	20	19	104	22.5	70gr
GSEA-2020L100	20	20	100	20	19	154	22.5	90gr
GSEA-2020L150	20	20	150	20	19	204	22.5	120gr
GSEA-3030L80	30	30	80	30	27	160	34.8	235gr
GSEA-3030L140	30	30	140	30	27	220	34.8	300gr
GSEA-3030L200	30	30	200	30	27	280	34.8	360gr

HEAVY DUTY ELBOW ARM



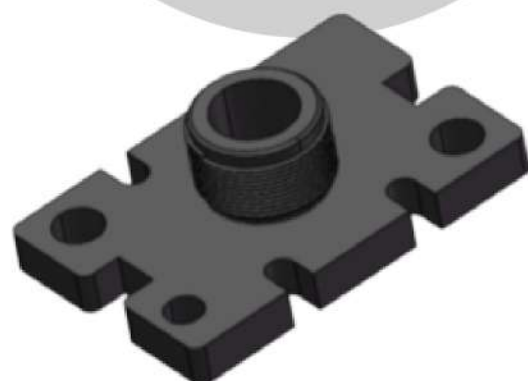
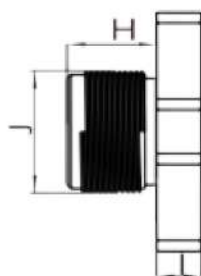
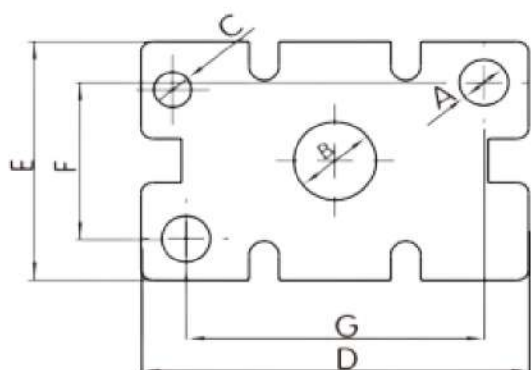
MODEL	A	B	C	D	E	F	G	Weight
GSEAH-2020L50	20	20	50	25	19.5	113.5	28.7	95gr
GSEAH-2020L100	20	20	100	25	19.5	163.5	28.7	115gr
GSEAH-2020L150	20	20	150	25	19.5	213.5	28.7	130gr
GSEAH-3030L80	30	30	80	35	27.3	168.5	40.7	330gr
GSEAH-3030L140	30	30	140	35	27.3	228.5	40.7	380gr
GSEAH-3030L200	30	30	200	35	27.3	288.5	40.7	435gr

ELBOW ARM FOR VACUUM CUP



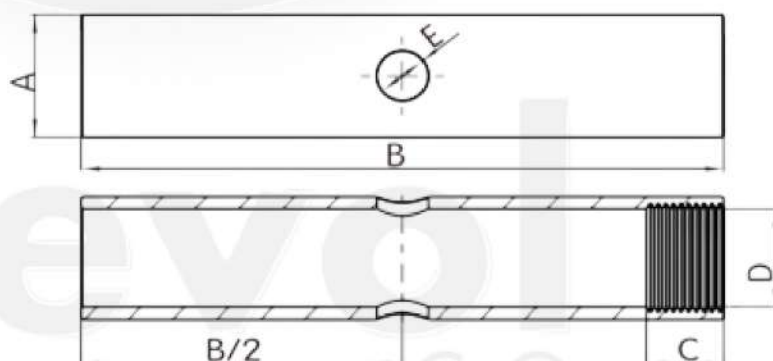
MODEL	A	B	C	D	E	F	G	H	L	Weight
GSEAV-M510L45	M5	10	45	10	5.5	16.5	22	11	64	18gr
GSEAV-M510L90	M5	10	90	10	5.5	16.5	22	11	109	27gr
GSEAV-G1814L60	G1/8	14	60	14	8.5	22	22	13.5	89	33gr
GSEAV-G1814L120	G1/8	14	120	14	8.5	22	22	13.5	149	50gr
GSEAV-G1820L78	G1/8	20	78	14	8.5	22	22	13.5	107	600gr
GSEAV-G1820L153	G1/8	20	153	14	8.5	22	22	13.5	182	100gr
GSEAV-G1420L75	G1/4	20	75	20	12	27	28	15	113	75gr
GSEAV-G1420L150	G1/4	20	150	20	12	27	28	15	188	115gr

PARALLEL GRIPPER BRACKER



MODEL	A	B	C	D	E	F	G	H	I	J.	Weight
GBPCB-10	3.2	6	2	23	16.4	12	18	14	4	M10*1	5gr
GBPCB-16	4.2	7	3	30.6	23.6	15	22	15	5	M12*1	10gr
GBPCB-20	5.5	7	4	42	27.6	18	32	15	5	M12*1	14gr
GBPCB-25	6.5	11	5	52	33.6	22	40	18	6	M17*1	27gr
GBPCB-32	6.5	11	5	60	40	26	46	18	6	M17*1	36gr
GBPCB-40	8.5	20	5	72	48	32	56	20	8	M27*1	67gr

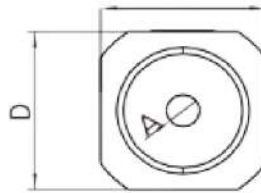
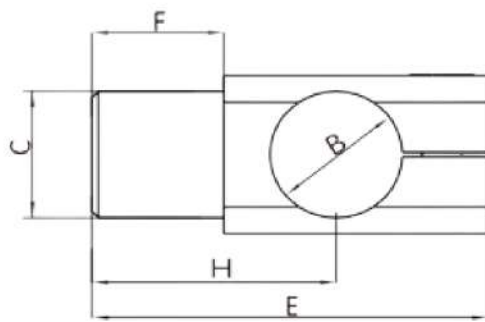
EXTENSION TUBE



MODEL	A	B	C	D	E	Weight
BETB12-50	12	50	12	M10*1	5	9gr
BETB12-100	12	100	12	M10*1	5	17gr
BETB14-50	14	50	12	M12*1	5	10gr
BETB14-100	14	100	12	M12*1	5	20gr
BETB20-50	20	50	15	M17*1	8	16gr
BETB20-100	20	100	15	M17*1	8	31gr
BETB20-150	20	150	15	M17*1	8	47gr
BETB30-50	30	50	18	M27*1	9	29gr
BETB30-100	30	100	18	M27*1	9	58gr
BETB30-150	30	150	18	M27*1	9	87gr

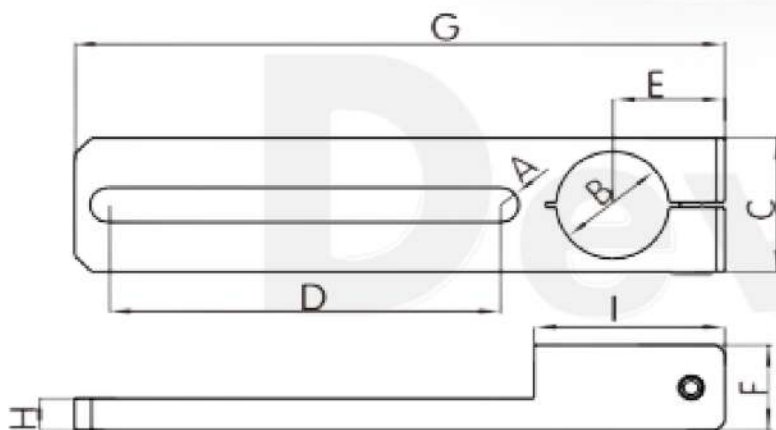


ROTATION BRACKET



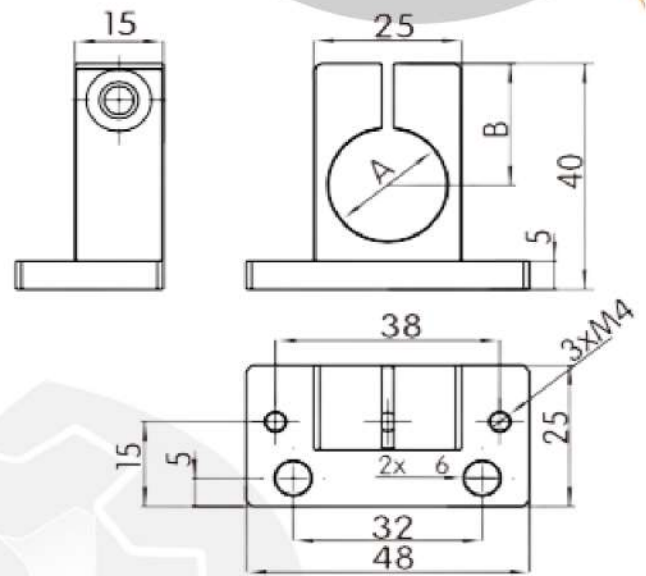
MODEL	A	B	C	D	E	F	G	H	Weight
GSMBR-0808M4	M4	8	8	12	32.5	11.5	12	17.5	7gr
GSMBR-1208M4	M4	12	8	16	37.5	11.5	16	21.5	13gr
GSMBR-1212M4	M4	12	12	16	39.5	13.5	16	23.5	15gr
GSMBR-1212M4L	M4	12	12	16	55	29	16	39	20gr
GSMBR-1420M6	M6	14	20	25	60	20	25	37	70gr
GSMBR-2020M6	M6	20	20	25	60	20	25	37	59gr
GSMBR-2020M6L	M6	20	20	25	85	45	25	62	81gr

LAST MINUTE BRACKET



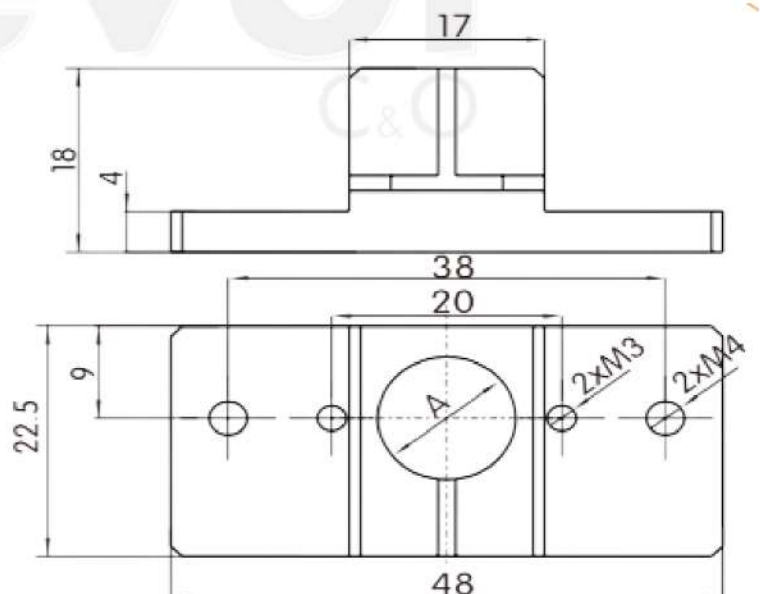
MODEL	A	B	C	D	E	F	G	H	I	Weight
GSCF-0840W12	4.5	8	12	40	14	16	70	6	20	14gr
GSCF-0840W16	6.5	8	16	40	14	16	70	6	20	20gr
GSCF-1240W16	6.5	12	16	40	16	16	75	6	25	21gr
GSCF-2040W25	6.5	20	25	40	20	16	86	6	34	39gr
GSCF-0870W12	4.5	8	12	70	14	16	100	6	20	18gr
GSCF-0870W16	6.5	8	16	70	14	16	100	6	20	25gr
GSCF-1270W16	6.5	12	16	70	16	16	105	6	25	25gr
GSCF-2070W25	6.5	20	25	70	20	16	116	6	34	49gr

LAST MINUTE BRACKET



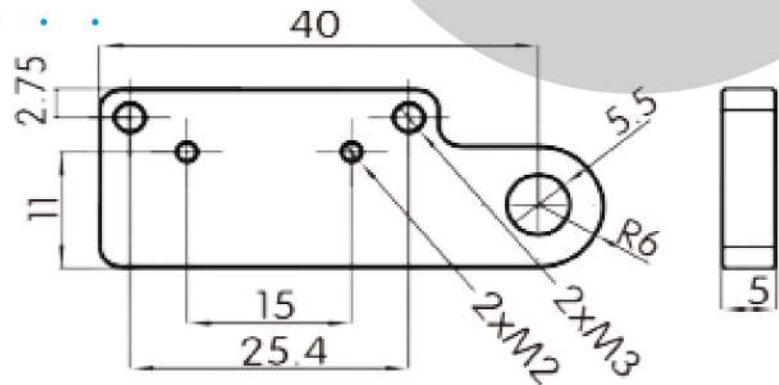
MODEL	A	B	Weight
GSMBU-08	08	15	45gr
GSMBU-10	10	15	44gr
GSMBU-12	12	16	43gr
GSMBU-14	14	18	42gr
GSMBU-20	20	21.5	39gr

LAST MINUTE BRACKET



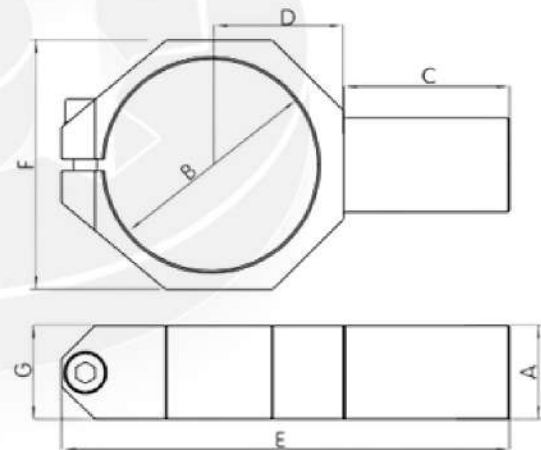
MODEL	A	Weight
GSMBD-08	08	25gr
GSMBD-10	10	23gr
GSMBD-12	12	20gr

SENSOR BRACKET



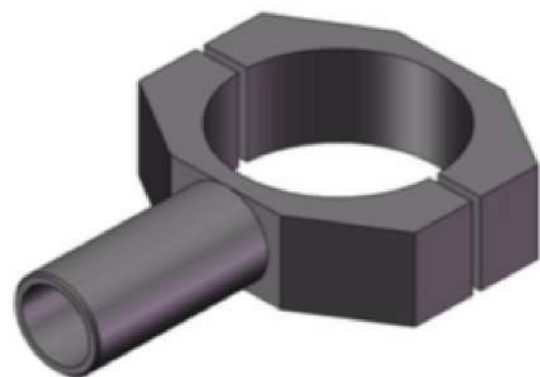
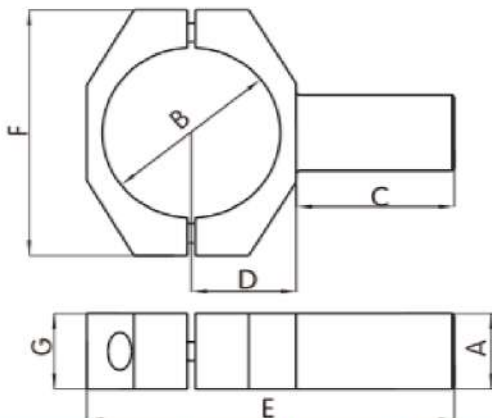
MODEL	Weight
BMBJ-5	9gr

GT-NR NIPPER MOUNTING BRACKET



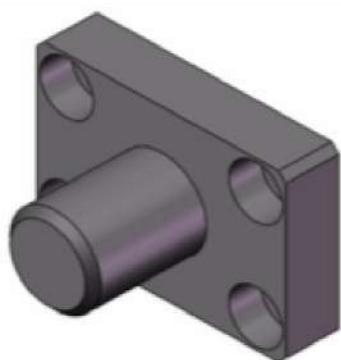
MODEL	A	B	C	D	E	F	G	Weight
GSCE-NR20	20	45	35	28	94.5	53	20	65gr
GSCE-NR30	20	56	40	33	111	65	25	110gr
GSCE-NR50	30	75	48	41	138	83	40	308gr

GT-NS NIPPER MOUNTING BRACKET

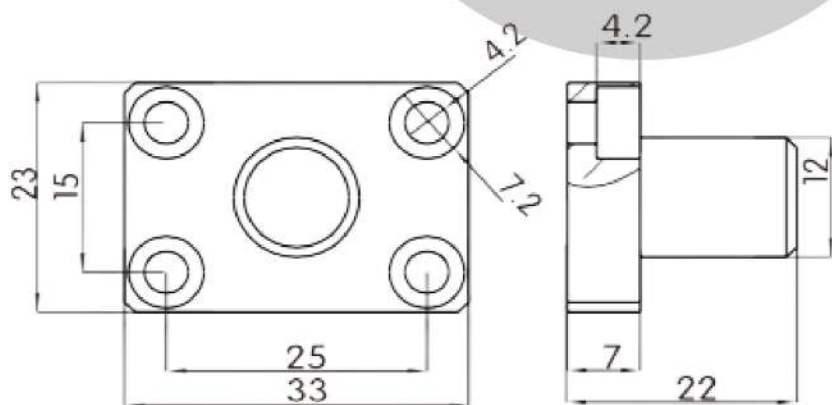


MODEL	A	B	C	D	E	F	G	Weight
GSCE-NS20	20	45	40	28	94	65	20	65gr
GSCE-NS30	20	56	40	33	106	76	20	110gr

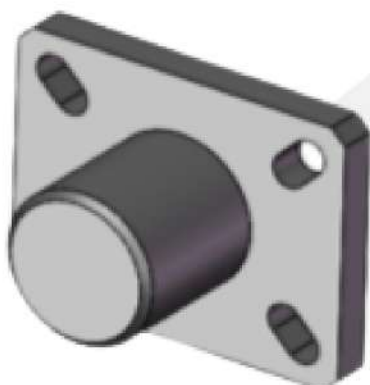
NIPPER MOUNTING BRACKET



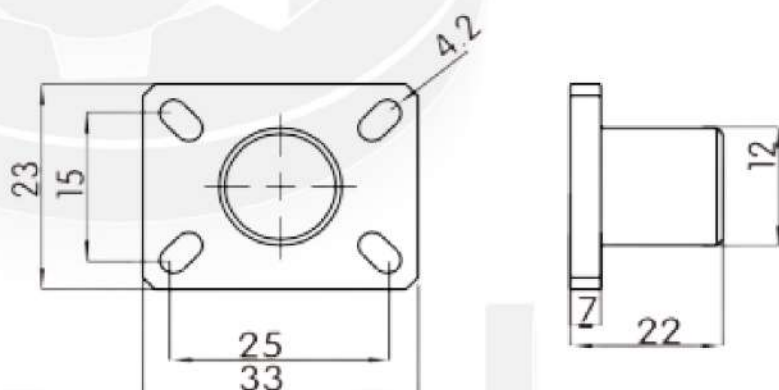
MODEL	Weight
GSCE2-05	17gr



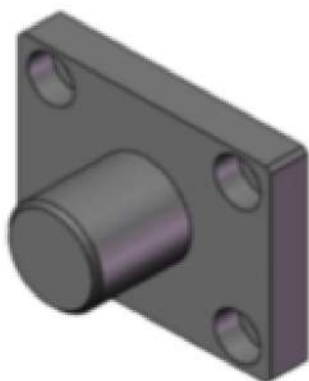
GT-NY10, NY15 NIPPER MOUNTING BRACKET



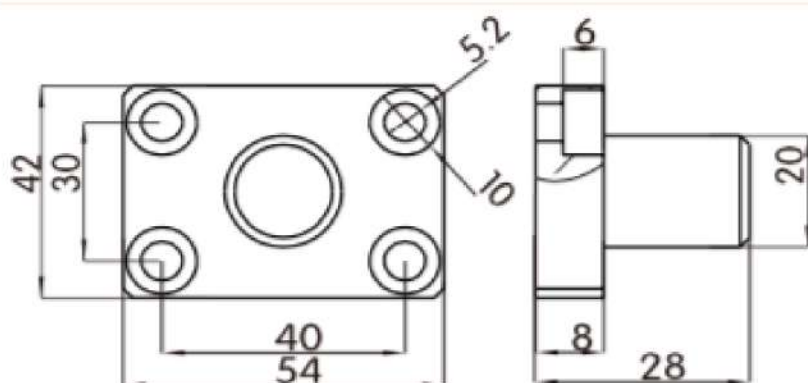
MODEL	Weight
GSCE2-1015	17gr



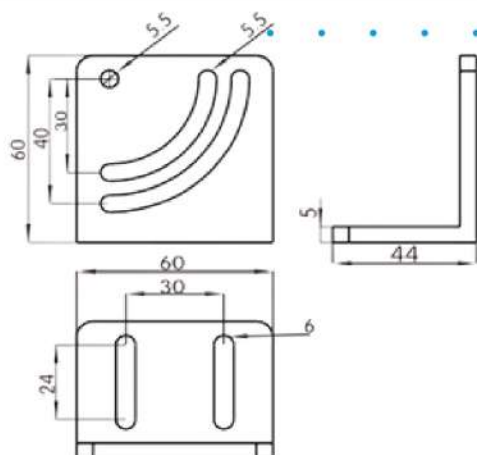
GT-NY25 NIPPER MOUNTING BRACKET



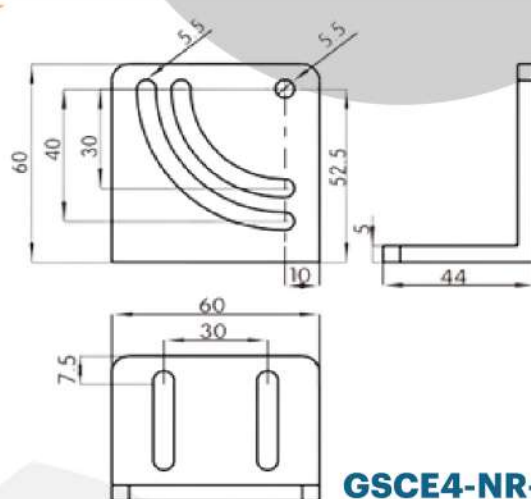
MODEL	Weight
GSCE2-25	61gr



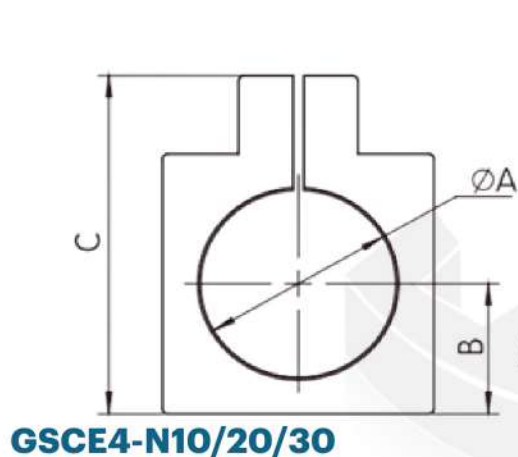
NIPPER MOUNTING BRACKET



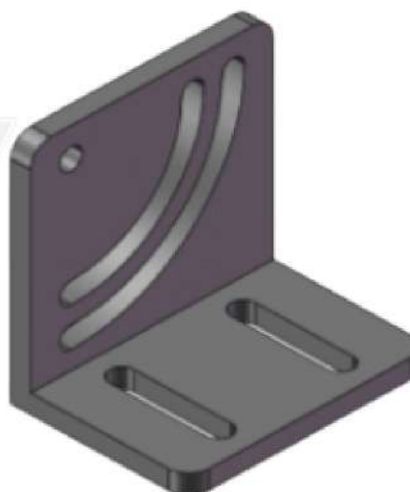
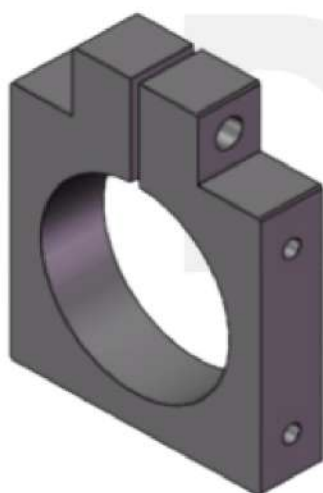
GSCE4-R-R



GSCE4-NR-L

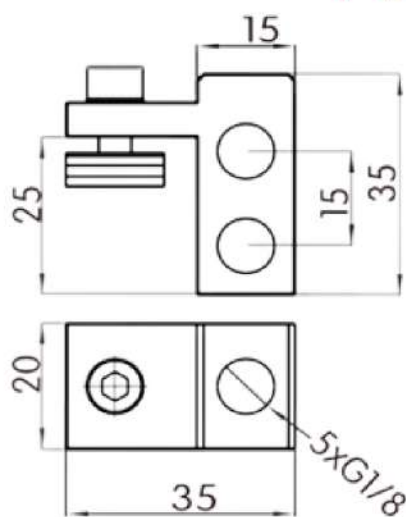


GSCE4-N10/20/30

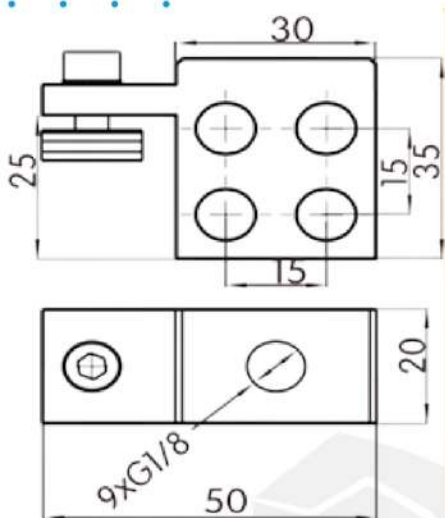


MODEL	A	B	C	D	E	F	Weight
GSCE4-NR10	36	25	65	10	30	15	72gr
GSCE4-NR20	45	30	75	10	40	15	93gr
GSCE4-NR30	56	35	85	10	40	15	111gr
GSCE4-NR-L	-	-	-	-	-	-	65.5gr
GSCE4-NR10-R	-	-	-	-	-	-	65.5gr

SIDE MANIFOLD BLOCK



BSMB-5G18T

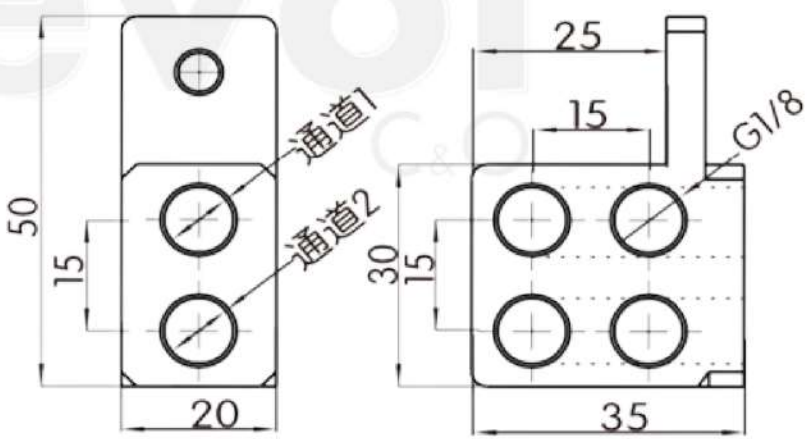


BSMB-9G18T



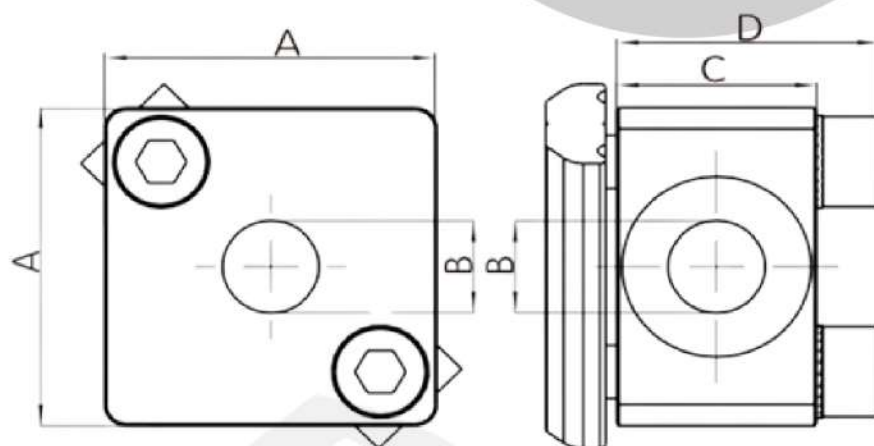
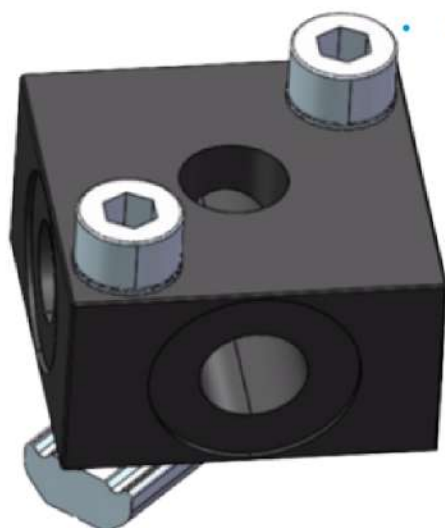
MODEL	Weight
BSMB-5G18T	30gr
BSMB-9G18T	50gr

SIDE MANIFOLD BLOCK (2 CHANNELS)



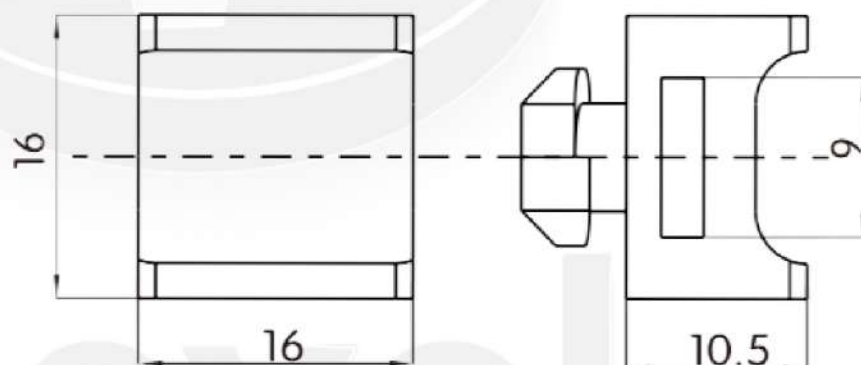
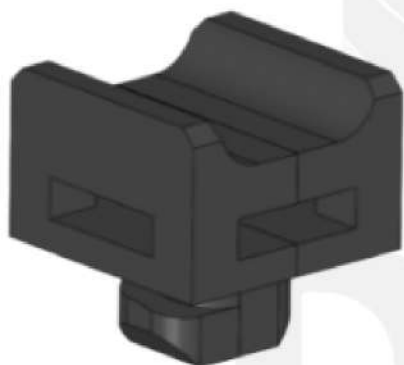
MODEL	Weight
BSMB-D5G18T	48gr

MANIFOLD BLOCK



MODEL	A	B	C	D	Weight
BSMB-A5G18T	30	5XG1/8	18	24	50gr
BSMB-A5G14T	40	5XG1/4	20	23	80gr

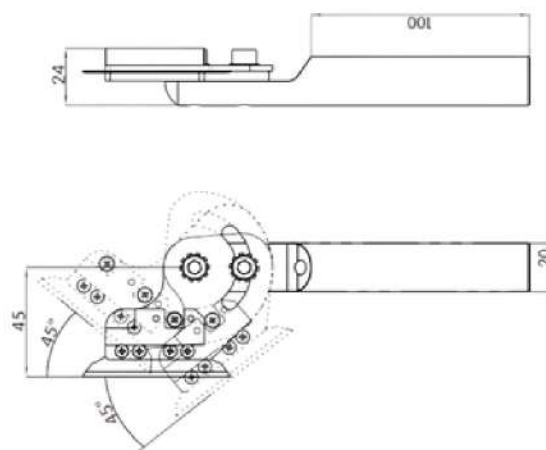
HOUSE MOUNTING BRACKET (10 PIECES PACKAGE)



MODEL	Weight
GHB-1616	20gr

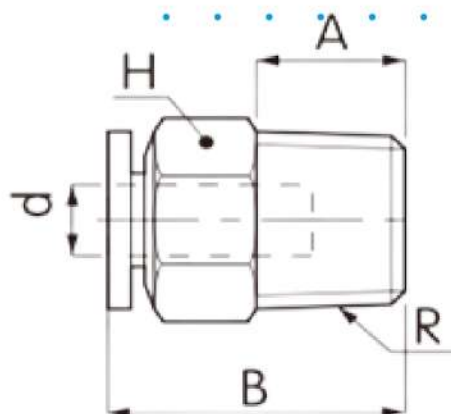
BLADE HOLDER

Continuously adjustable angle from -45° to $+45^{\circ}$
 Suitable for trimming, degating and deburring.
 It can be mounted on either side. Optional heating system.



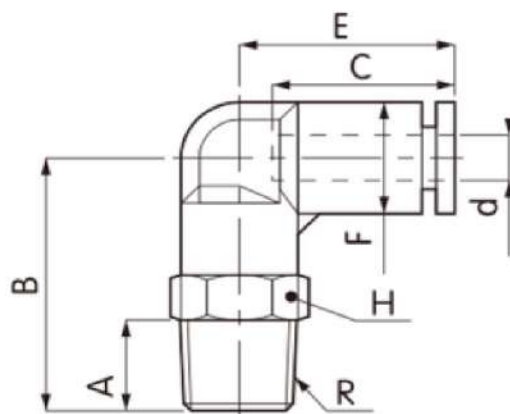
MODEL	Weight
Bh2060	175gr

FITTING: STRAIGHT MALE ADAPTOR



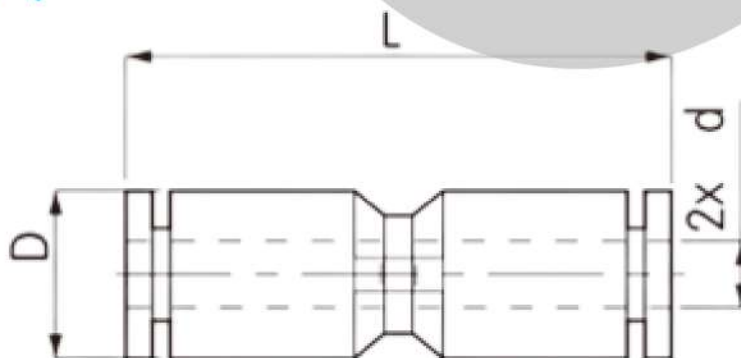
MODEL	d	R	A	B	H	Weight
GSRG-S4-M5	4	M5X0.8	3	20	10	6.3gr
GSRG-S4-01	4	G1/8	8	21	10	8.3gr
GSRG-S4-02	4	G1/4	11	21	14	16gr
GSRG-S6-M5	6	M5X0.8	3	22.1	12	9.2gr
GSRG-S6-01	6	G1/8	8	22.6	12	9.3gr
GSRG-S6-02	6	G1/4	11	24.6	14	18gr
GSRG-S6-03	6	G3/8	12	23.6	17	28gr
GSRG-S8-01	8	G1/8	8	27.9	14	16gr
GSRG-S8-02	8	G1/4	11	26.6	14	16gr
GSRG-S8-03	8	G3/8	12	23.9	17	24gr

FITTING: L MALE ADAPTADOR



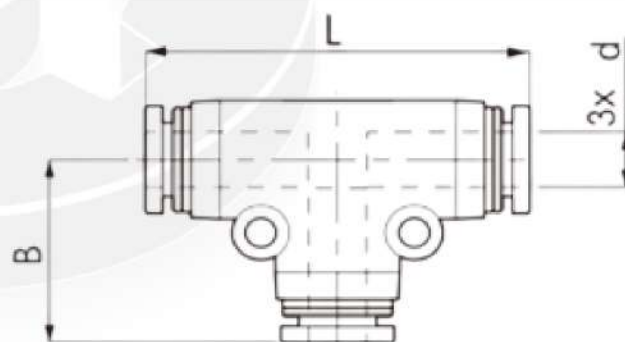
MODEL	d	R	A	B	C	E	F	H	Weight
GSRG-L4-M5	4	M5X0.8	3	20	14.9	18	10	10	8gr
GSRG-L4-01	4	G1/8	8	21	14.9	18	10	10	11gr
GSRG-L4-02	4	G1/4	11	21	14.9	18	10	14	21gr
GSRG-L6-M5	6	M5X0.8	3	22.1	16.8	19.8	12.5	12	13gr
GSRG-L6-01	6	G1/8	8	22.6	16.8	19.8	12.5	12	14gr
GSRG-L6-02	6	G1/4	11	24.6	16.8	19.8	12.5	14	22gr
GSRG-L6-03	6	G3/8	12	23.6	16.8	19.8	12.5	17	35gr
GSRG-L8-01	8	G1/8	8	27.9	18.1	22.7	14.5	14	19gr
GSRG-L8-02	8	G1/4	11	26.6	18.1	22.7	14.5	14	24gr
GSRG-L8-03	8	G3/8	12	23.9	18.1	22.7	14.5	17	37gr

FITTING: STRAIGHT CONNECTOR



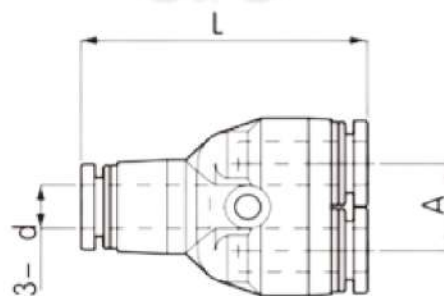
MODEL	d	L	D	Weight
GSRG-4	4	30.8	10	4.7gr
GSRG-6	6	34.9	12.5	6.5gr
GSRG-8	8	37.8	14.5	9.4gr

FITTING: T CONNECTOR



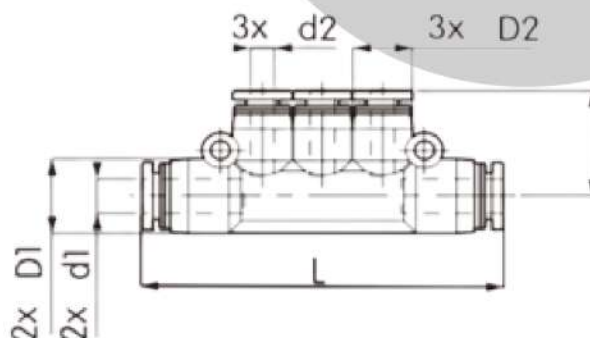
MODEL	d	L	B	Weight
GSRG-T4	4	33	16.5	4.7gr
GSRG-T6	6	41	20.5	6.5gr
GSRG-T8	8	44	22	9.4gr

FITTING: Y CONNECTOR



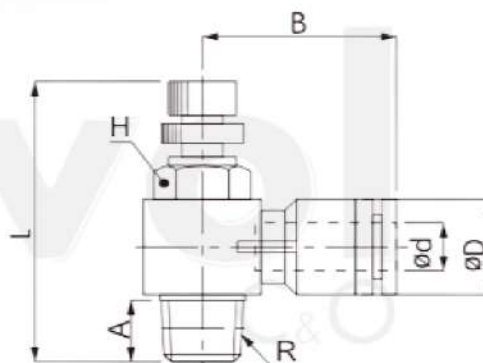
MODEL	d	A	L	Weight
GSRG-Y4	4	11	32.8	4.6gr
GSRG-Y6	6	13.5	37.7	11gr
GSRG-Y8	8	13.5	42.4	16gr

FITTING: MAINFOLD CONNECTOR



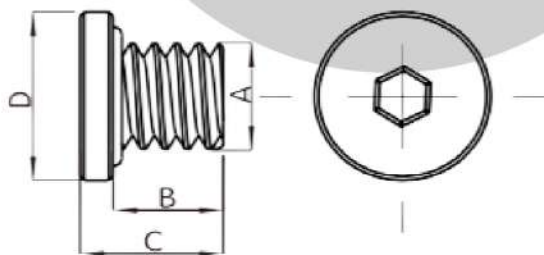
MODEL	d1	d2	D1	D2	E	L	Weight
GSRG-K4	6	4	13	10	18.4	74	16gr
GSRG-K6	8	4	15	13	19.2	73	20gr
GSRG-K8	8	6	15	13	21.3	73	23gr

FITTING: THROTTLE VALVE-L CONNECTOR



MODEL	d	R.	D	A.	B	L (MIN)	L (MAX)	H	Weight
GSRG-A4-M5	4	M5	8	2.9	15.4	27	29.7	8	7.2gr
GSRG-A4-01	4	G1/8	8	8	17.7	34.9	41.5	10	17gr
GSRG-A6-M5	6	M5	10.5	2.9	17.5	27	29.7	8	7.9gr
GSRG-A6-01	6	G1/8	10.5	8	18.3	34.9	41.5	10	18gr
GSRG-A6-02	6	G1/4	10.5	11.1	20.2	42.2	48.9	14	35gr
GSRG-A8-01	8	G1/8	14.4	8	26.9	34.9	41.5	10	21gr
GSRG-A8-02	8	G1/4	14.4	11.1	28.4	42.2	48.9	14	38gr

FITTING: MALE PLUG WITH NBR O-RING



MODEL	A	B	C	D	Weight
GSRG-M5	M5	4	6	8	1.4gr
GSRG-G1/8	G1/8	6	8.5	14	8gr
GSRG-G1/4	G1/4	8	11	17	20gr

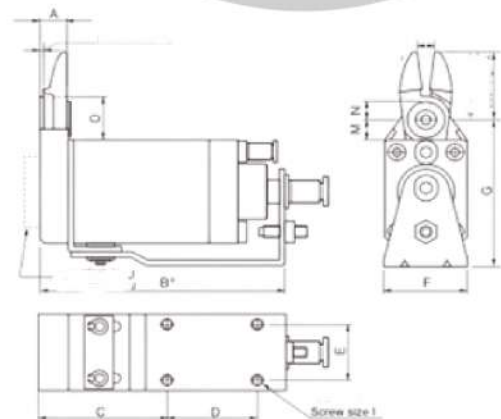
FITTING: HOSES



MODEL	COLOUR	A (mm)	B(mm)	L(mm)	Lm (g/m)
Tu-4B	BLACK	4	2.5	100	10gr
Tu-4BL	BLUE	4	2.5	100	10gr
Tu-4BGR	GREEN	4	2.5	100	10gr
Tu-4T	TRANSPARENT	4	2.5	100	10gr
Tu-4Y	YELLOW	4	2.5	100	10gr
Tu-4R	RED	4	2.5	100	10gr
Tu-4O	ORANGE	4	2.5	100	10gr
Tu-6B	BLACK	6	4	100	19gr
Tu-6BL	BLUE	6	4	100	19gr
Tu-6G	GREEN	6	4	100	19gr
Tu-6T	TRANSPARENT	6	4	100	19gr
Tu-6Y	YELLOW	6	4	100	19gr
Tu-6R	RED	6	4	100	19gr
Tu-6O	ORANGE	6	4	100	19gr
Tu-8B	BLACK	8	6	100	38gr
Tu-8BL	BLUE	8	6	100	38gr

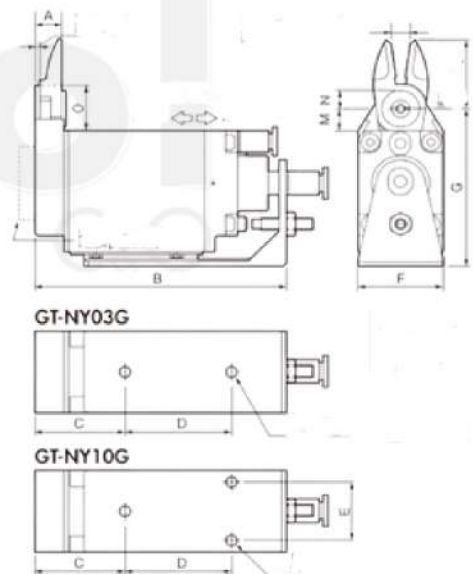


GT-NYO5/10/15/25 SLIDE OFF AIR NIPPERS HORIZONTAL TYPE



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-NYO5	8.6	75.9	40.9	25	15	23	47.6	4	M4	3	22	1.6	8.5	625	16.5	48	155	Pull 0~3	W/hose nipple
3.0	2.0	1.6	1.0	GT-NYO5R																48	155	Push 0~3	Hose I.D. ϕ 2.5mm
3.0	2.0	1.6	1.0	GT-NYO5-4																48	155	Pull 0~3	W/tube fitting
3.0	2.0	1.6	1.0	GT-NYO5R-4																48	155	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	625	15.5	68	210	Pull 0~3	W/hose nipple
3.5	2.3			GT-NY10R																68	210	Push 0~3	Hose I.D. ϕ 2.5mm
3.5	2.3			GT-NY10-4																68	210	Pull 0~3	W/tube fitting
3.5	2.3			GT-NY10R-4																68	210	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	625	16.5	136	319	Pull 0~3	W/hose nipple
4.0	2.6			GT-NY15R																136	319	Push 0~3	Hose I.D. ϕ 2.5mm
4.0	2.6			GT-NY15-4																136	319	Pull 0~3	W/tube fitting
4.0	2.6			GT-NY15R-4																136	319	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																184	580	Push 0~5	Hose I.D. ϕ 4mm
5.0	3.4			GT-NY25-6																184	580	Pull 0~5	W/tube fitting
5.0	3.4			GT-NY25R-6																184	580	Push 0~5	Hose I.D. ϕ 4XO.D. ϕ 6mm

GT-NYO3G/10G SLIDE-OFF AIR NIPPERS HORIZONTAL TYPE



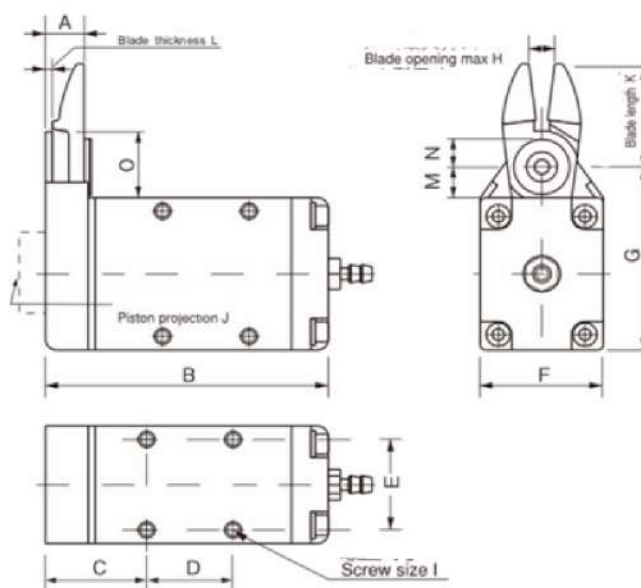
Capacity ϕ (mm)			Model No.	Size (mm)															Air Consumption (cm ³ /str.)	Weight (g)	Slide Direction Distance (mm)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
2.0	1.3	GT-NY03G	8.6	74.5	29.5	30	19	46.5	3	M4	0	21	1.6	7.5	5.25	14.5	37	160	Pull 0~3	W/hose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

GT-NY10S/25S DOUBLE ACTION SLIDING AIR NIPPERS



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					
3.5	2.3	GT-NY10S	8.8	84.5	38	30	20	32	55	6	M4	5	24	1.6	7.5	625	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	

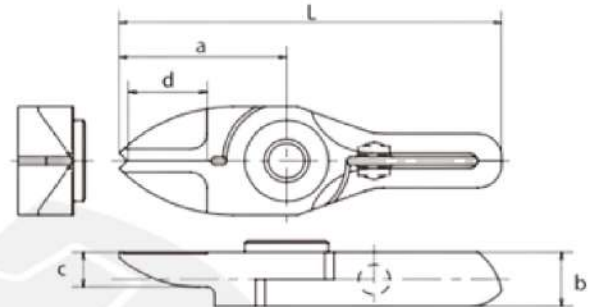
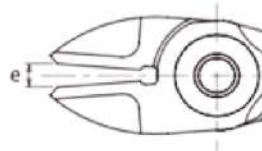
GT-NF05/10/15 TYPE F AIR NIPPERS



Capacity ϕ (mm)				Model No.	Size (mm)														Air Consumption (cm ³ /str.)	Weight (g)	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-NF05	8.6	59.9	21.9	17	18	23	39.5	4	M3	3	22	1.6	8.4	625	16.4	43	101
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	625	15.4	63	143
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	625	16.4	128	219

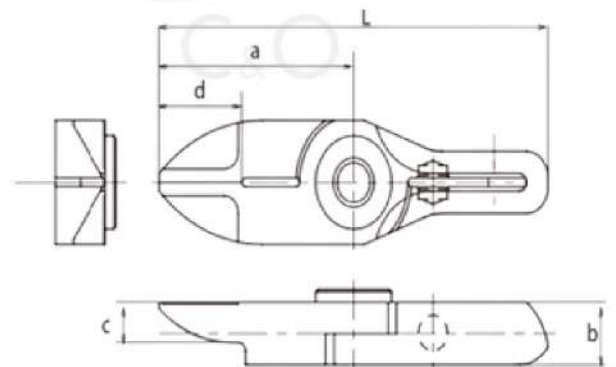
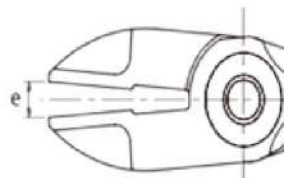
W/hose nipple
Hose I.D. ϕ 2.5mm× ϕ 4mm

SLIDE-OFF AIR NIPPER HORIZONTAL TYPE BLADES



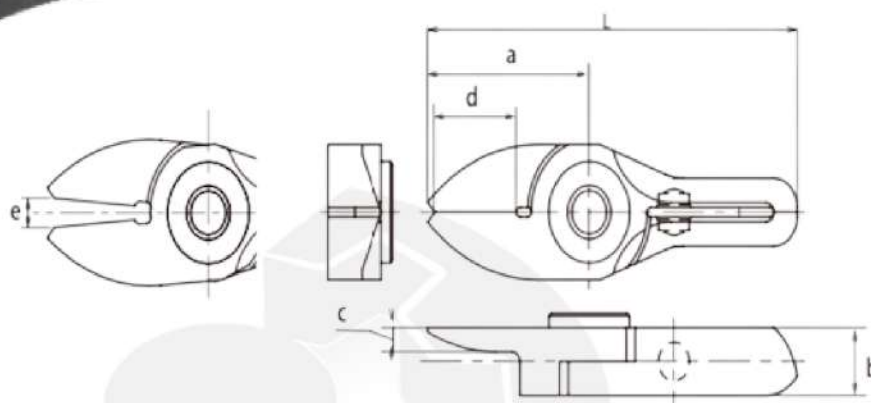
Model No.	Size (mm)					L	Weight (g)	Material	Application model
	a	b	c	d	e				
NY03AJ	21	7	4.5	10.5	3	48	17	Special alloy steel	GT-NY03G(-4)
NY03RAJ	21	7	4.5	10.5	3	48	17	Special alloy steel	GT-NY03GR(-4)
NY05AJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05(-4) / NF05
NY05RAJ	22	7	5	10.5	4	53	22	Special 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

STRAIGHT LONG BLADES FOR PLASTIC



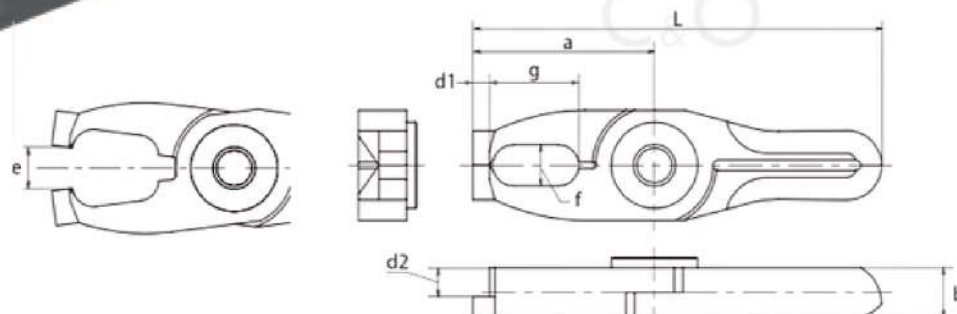
Model No.	Size (mm)						Material	Application model	
	a	b	c	d	e	L			
NY03AJL	27	7	4.5	10.5	4	54	21	Special alloy steel	GT-NY03G(-4)
NY05AJL	31	7	5	10.5	5.5	62	29	Special alloy steel	GT-NY05(-4) / NF05
NY10AJL	33	7.2	5	12	8	66	37	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AJL	38	8.2	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

THIN, STRAIGHT BLADES FOR PLASTIC



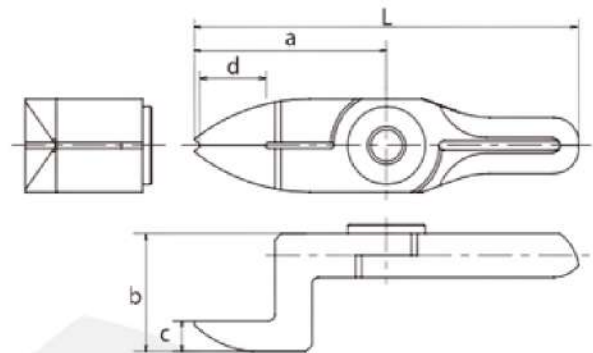
Model No.	Size (mm)						Material	Application model	
	a	b	c	d	e	L			
NY03AJT	21	7	2.5	10.5	3	48	17	Special alloy steel	GT-NY03G(-4)
NY05AJT	22	7	3	10.5	4	53	21	Special alloy steel	GT-NY05(-4) / NF05
NY10AJT	24	7.2	3	12	6	57	26	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AJT	27	8.2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

SLIDE-OFF AIR NIPPER HORIZONTAL-TYPE BLADES



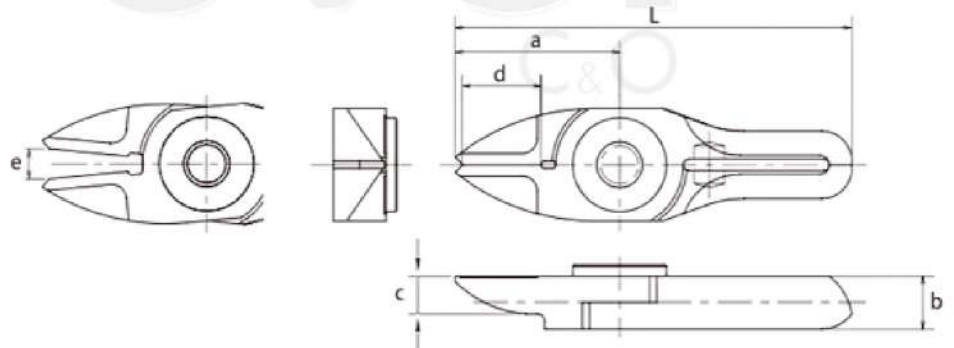
Model No.	Size (mm)			d1	d2	e	L	Weight	Material	Application model
	a	b	f×g	(mm)	(mm)	(mm)	(mm)	(g)		
NY10AD	26.5	7.2	6×13	2.5	4.2	6	59.5	31	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AD	30	8.2	7×14	3	4.7	8	68	45	Special alloy steel	GT-NY15(-4) / NF15
NY25AD	35	10	8×17	4	6	9	81	75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

CRANK BLADES FOR PLASTIC



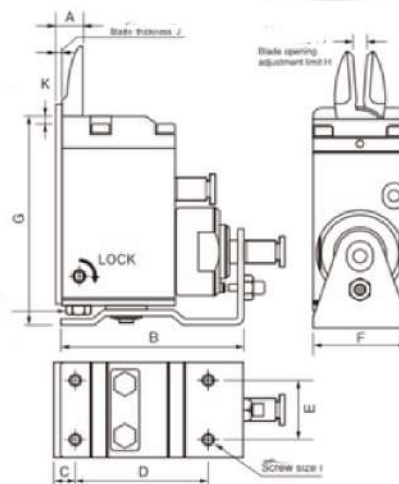
Model No.	a	b	Size (mm)			L	Weight (g)	Material	Application model
NY05AH	31	19	5	10.5	5.5	62	37	Special alloy steel	GT-NY05(-4) / NF05
NY05RAH	30	12	5	10.5	5	61	31	Special alloy steel	GT-NY05R(-4) / NF05
NY10AH	33	20	5	12	8	66	43	Special alloy steel	GT-NY10(-4) / NY10G(-4) / NF10 / NY10S
NY15AH	38	21.5	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

STRAIGHT THIN BLADES FOR METAL



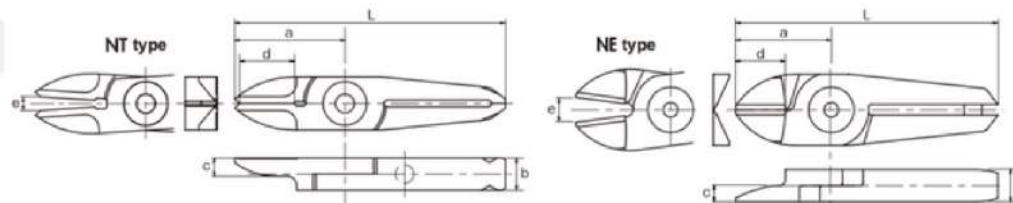
Model No.	a	b	Size (mm)			L	Weight (g)	Material	Application model
NY05BJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05(-4) / NF05
NY05RBJ	22	7	5	10.5	4	53	22	Special alloy steel	GT-NY05R(-4) / NF05

GT-NT03/05/10/20 SLIDE OFF AIR NIPPERS VERTICAL TYPE



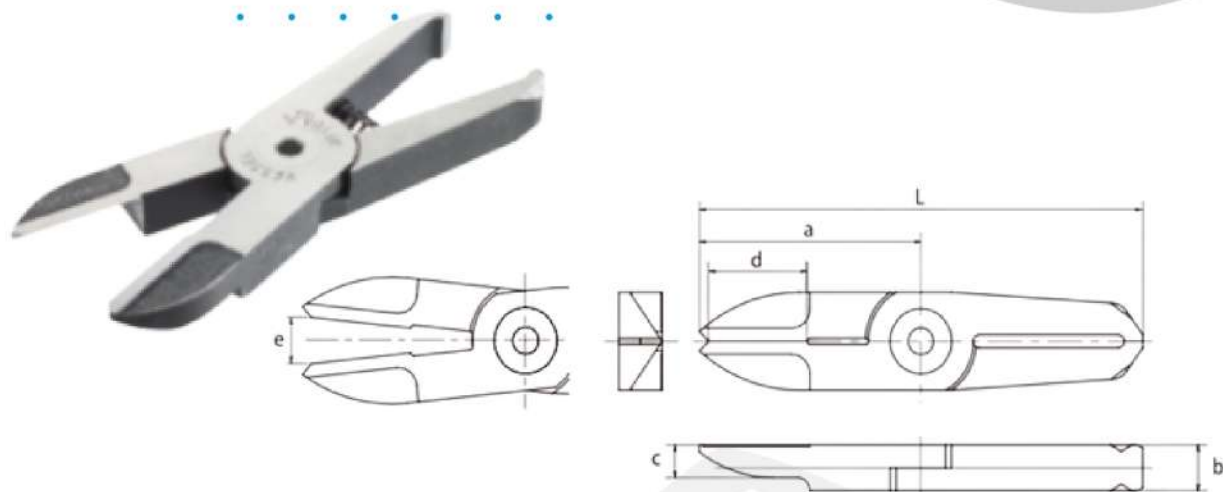
Capacity ϕ (mm)		Model No.	Size (mm)											Air Consumption (cm ³ /str)	Weight (g)	Slide Direction Distance (mm)	Spec. & Size of the Hose Port
Soft Plastic	Hard Plastic		A	B	C	D	E	F	G	H	I	J	K				
1.5	1.0	GT-NT03												27	178	Pull 0~3	W/hose nipple Hose I.D. ϕ 2.5mm
1.5	1.0	GT-NT03R										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

SLIDE-OFF AIR NIPPER VERTICAL TYPE BLADES



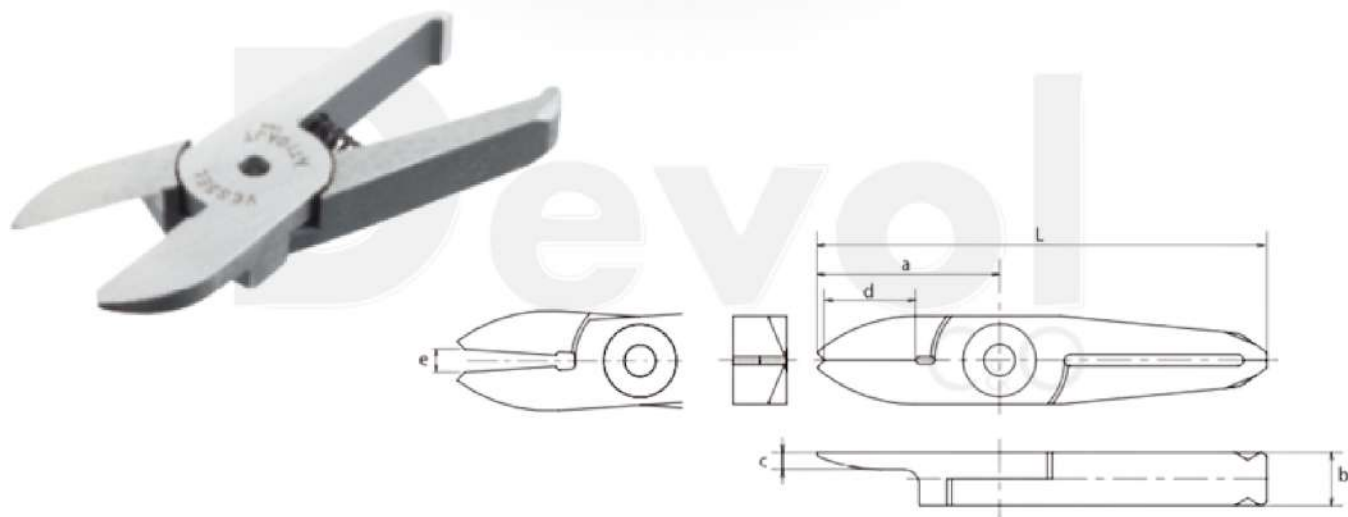
Model No.	Size (mm)						Weight (g)	Material	Application model
	a	b	c	d	e	L			
NT03AJ	24	7	4	11	3	59	20	Special alloy steel	GT NT03 type
NT05AJ	29	7	5	15	6	65	30	Special alloy steel	
NT05AJH	29	7	5	15	6	65	30	High Speed Steel	GT-NT05 type
NT05AJB	29	7	5	15	6	65	30	Sintered Alloy	
NE5AJ	24	7	3.5	12	6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



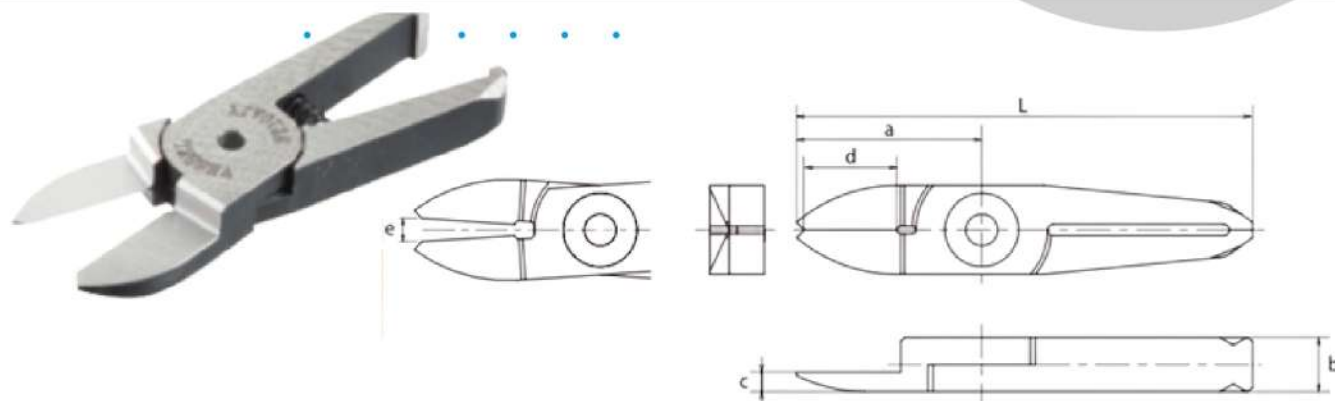
Model No.	Size (mm)					Weight (g)	Material	Application model
	a	b	c	d	e			
NT05AJL	36	7	5	15	7	72	Special alloy steel	GT-NT05 type
NT10AJL	47	9	6	17	9	94	Special alloy steel	GT-NT10 type
NT20AJL	57	12	6	20	12	114	Special alloy steel	GT-NT20 type

THIN STRAIGHT BLADES FOR PLASTIC



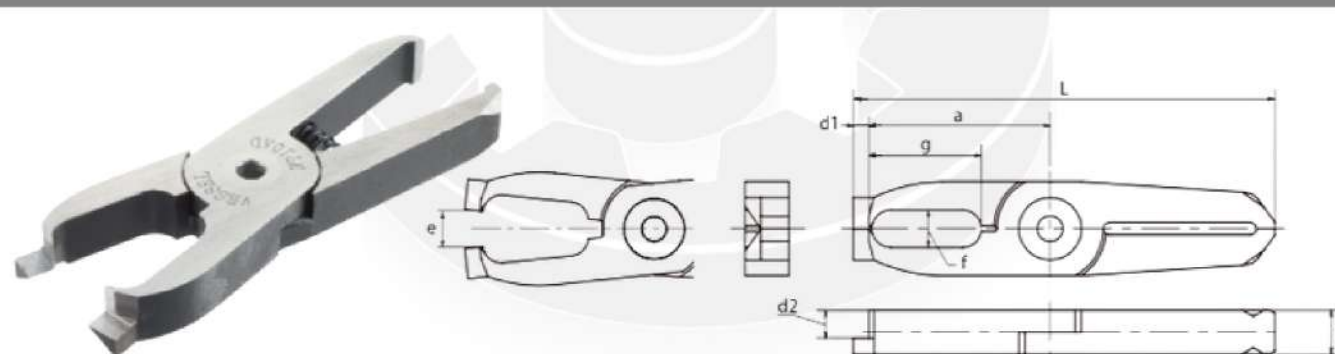
Model No.	Size (mm)					Weight (g)	Material	Application model
	a	b	c	d	e			
NT03AJT	24	7	2.3	11	3	59	Special alloy steel	GT-NT03 type
NT05AJT	29	7	3	15	6	65	Special alloy steel	GT-NT05 type
NT10AJT	35	9	4	17	7	82	Special alloy steel	GT-NT10 type

THIN STRAIGHT BLADES FOR PLASTIC



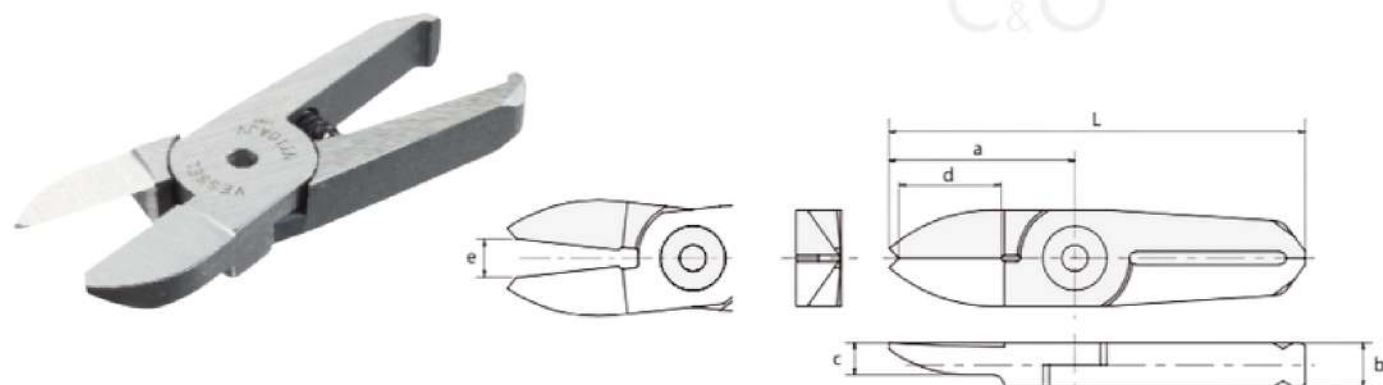
Model No.	a	b	Size (mm)			L	Weight (g)	Material	Application model
NT03AJY	24	7	2.5	11	3	59	19	Special alloy steel	GT-NT03 type
NT05AJY	29	7	5	15	6	65	29	Special alloy steel	GT-NT05 type
NT10AJY	35	9	4	17	7	72	82	Special alloy steel	GT-NT10 type

SLIDE-OFF AIR NIPPER VERTICAL-TYPE BLADES



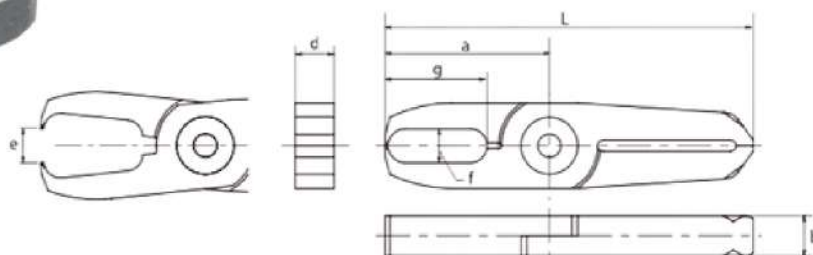
Model No.	a	Size (mm)		f×g	d1 (mm)	d2	e (mm)	L (mm)	Weight (g)	Material	Application model
NT05AD	31.5	7	6×18	2.5	4.5	6	67.5	37	37	Special alloy steel	
NT10AD	39	9	8×21.5	4	5	7	86	65	65	Special alloy steel	
NT20AD	46	12	9×24.5	6	7	9	103	141	141	Special alloy steel	

V SHAPED STRAIGHT BLADES FOR PLASTIC



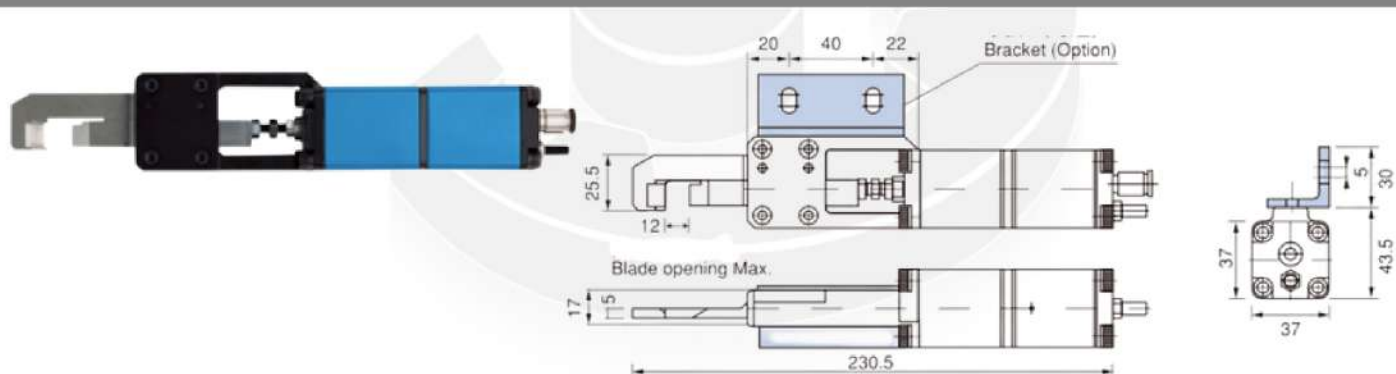
Model No.	a	b	Size (mm)			L	Weight (g)	Material	Application model
NT05AJV	29	7	5	15	6	65	29	Special alloy steel	GT-NT05 type
NT10AJV	35	9	6	17	7	82	63	Special alloy steel	GT-NT10 type

GT-NK10 THRUST-CUT AIR NIPPER



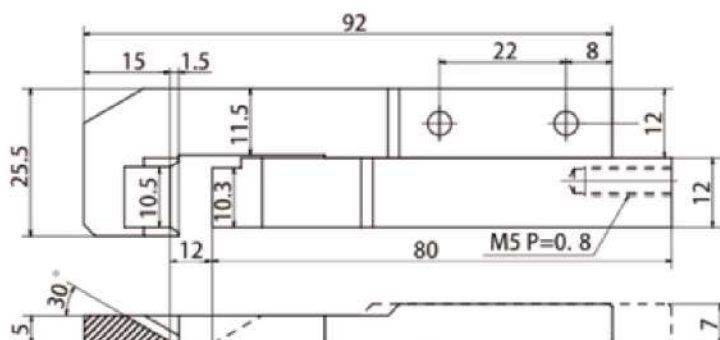
Model No.	a	b	Size (mm) f×a	d	e	L	Weight (g)	Material	Application model
NT05AE	29	7	6×18	7	6	65	36	Special alloy steel	GT-NT05 type
NT10AE	35	9	8×21.5	9	7	82	75	Special alloy steel	GT-NT10 type

GT-NK10 THRUST-CUT AIR NIPPER



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 2.5XO.D. ϕ 4mm

THRUST-CUT AIR NIPPER



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

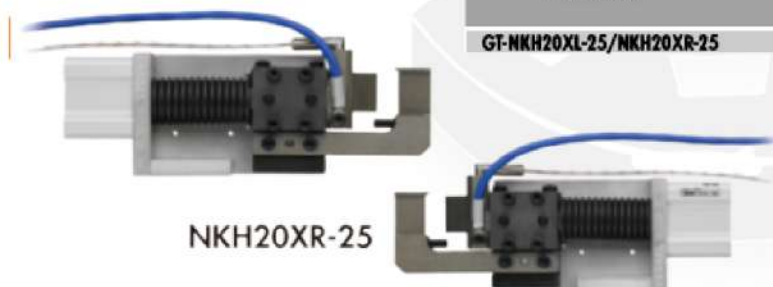
GT-TC-02 TIMING CONTROLLER

Adjusting Screw
(0.5~1.5 sec.)



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

HEAT AIR NIPPERS (AIR HYDRO TYPE)

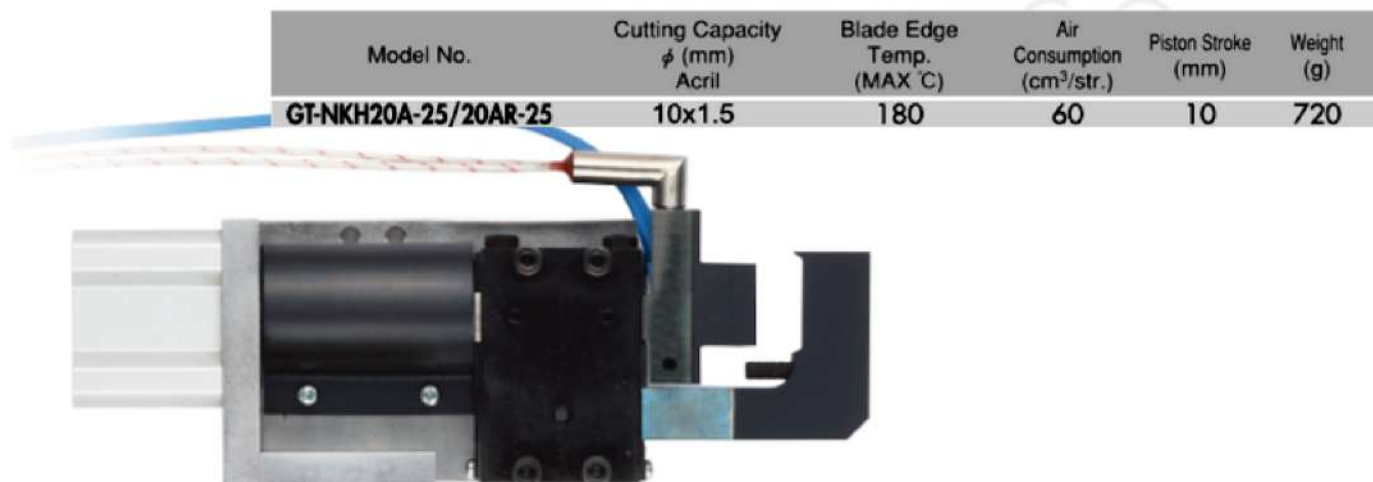


NKH20XR-25

Model No.	Cutting Capacity φ (mm) Acrl	Blade Edge Temp. (MAX °C)	Air Consumption (cm ³ /str.)	Piston Stroke (mm)	Weight (g)
GT-NKH20XL-25/NKH20XR-25	10x1.5	180	60	10	690

Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
Special Alloy Steel	Knife type (resin)	10	20	125

GT-NKH20A/20AR HEAT AIR NIPPERS (AIR HYDRO TYPE)



Model No.	Cutting Capacity φ (mm) Acrl	Blade Edge Temp. (MAX °C)	Air Consumption (cm ³ /str.)	Piston Stroke (mm)	Weight (g)
GT-NKH20A-25/20AR-25	10x1.5	180	60	10	720

Material	Blade Shape	Blade Opening (mm)	Cutting blade effective (mm)	Weight (g)
Special Alloy Steel	Knife type (resin)	10	19	125

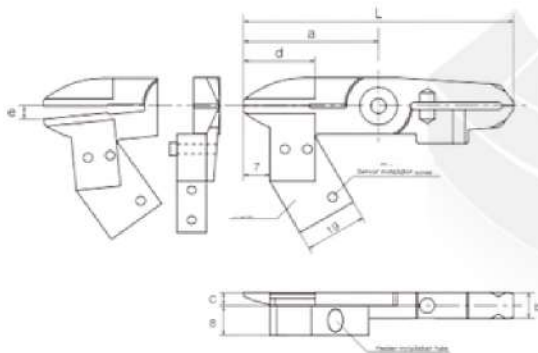
GT-NKH10 HEAT AIR NIPPERS

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



Model No.	Cutting Capacity ϕ (mm) Acril	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Air Consumption (cm ³ /str.)	Piston Stroke (mm)	Weight (g)
GT-NKH10	7x1.5	200	4~5	73	12	715

GT-NTH05/10 HEAT AIR NIPPERS (VERTICAL SLIDING TYPE)

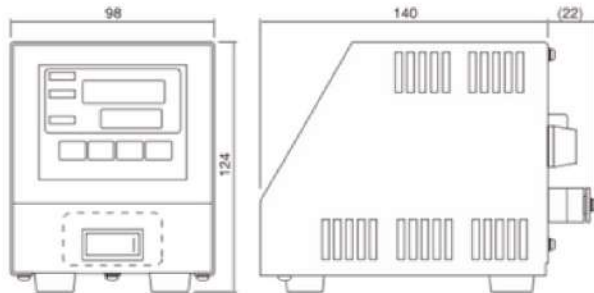


Model No.	Material	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
NTH05AJ	Special Alloy Steel	36	7	3.5	15	3.5
NTH10AJ	Special Alloy Steel	47	9	4.7	17	4.5

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)

Model No.	Cutting Capacity ϕ (mm) Acril	Blade Edge Temp. (MAX °C)	Cutting Cycle (sec/cut)	Air Consumption (cm ³ /str.)	Slide Distance (mm)	Weight (g)	Dimensions (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

BENCHTOP TEMPERATURE CONTROLLER

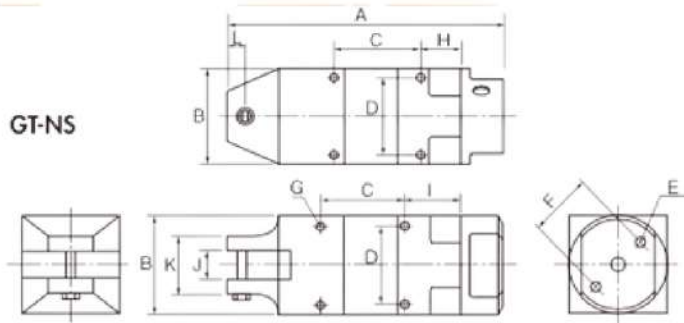


Model No.	Temperature range Thermocouple K (°C)	Power supply (V)	Power consumption (with 100 VAC input)	Ambient temperature and humidity (°C)	Protection fuse	Weight (g)
DTC-001	0~200	AC100~240	Approx. 3W (Approx. 5VA) (With no load)	0~40 RH35~85% (No condensing)	One 15A fuse is incorporated.	900

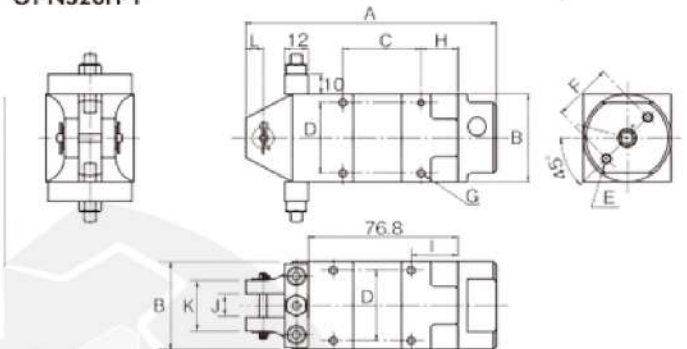
SQUARE AIR NIPPERS



GT-NS

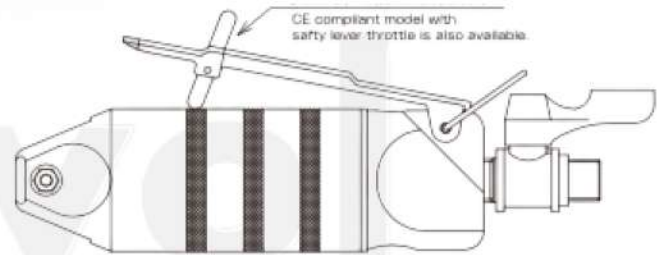
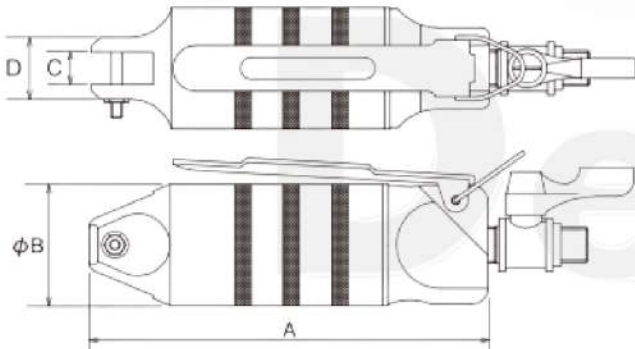


GT-NS20H-1



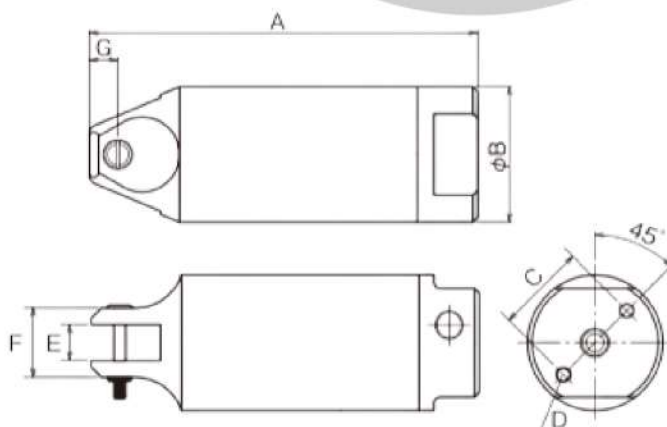
Capacity ϕ (mm)				Model No.	Size (mm)													Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D	E	F	G	H	I	J	K	L					
2.0		1.0	0.5	GT-NS3	110	23	40	19	M3 Depth8	17	M3 Depth3.5	19	24	7	23	7	45	0.4~0.5	95	Rc1/8	
2.0		1.0	0.5	GT-NS5	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		

HAND HELD AIR NIPPERS



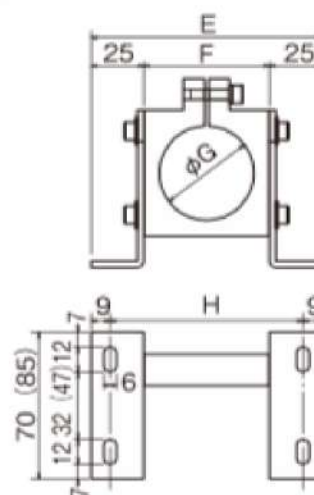
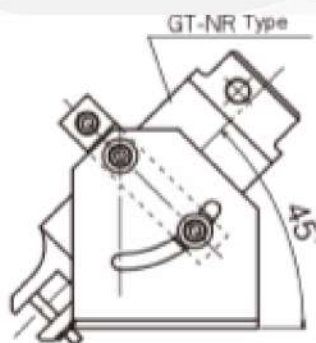
Capacity ϕ (mm)				Model No.	Size (mm)				Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Body	Hose coupling
Soft Plastic	Hard Plastic	Copper	Steel		A	B	C	D					
2.0		1.0	0.5	GT-N3	112	23	7	14	45	0.4~0.5	95	Rc1/8	R1/4
2.0		1.0	0.5	GT-N5	103	30	7	17	64	0.4~0.5	135	Rc1/8	
3.0	2.0	1.6	1.0	GT-N7	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	

AIR NIPPER ROUND TYPE



Soft Plastic	Hard Plastic	Copper	Steel	Model No.	A	B	C	Size (mm) D	E	F	G	Air Consumption (cm ³ /str.)	Air Pressure (MPa)	Weight (g)	Hose coupling
2.0		1.0	0.5	GT-NR3	110	23	17	M3 Depth8	7	14	7	45	0.4~0.5	70	
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	Rc1/8
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	252	43	15	1,170	0.5~0.6	1,190	

GT-NR STAND



Model No.	E	Size (mm) F	G	H	Weight (g)
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

POWERFUL INTENSIFIERS (WITH EXTRA PRESSURE BOOSTER)



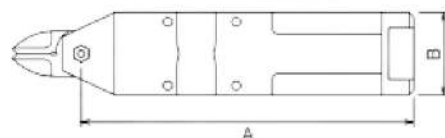
Capacity ϕ (mm)				Application model	Model No.	Size (mm)		Air Consumption (cm ³ /str.)	Air Pressure	Weight (g)
Soft Plastic	Hard Plastic	Copper	Steel			A	B			
5.0	4.0	2.6	1.6	NS10L, NR10L, N12	P 10L	71	36	223	Up to 0.5MPa	115
8.0	6.0	3.0	2.2	N20, NS20, NR20	P-20	87	45	508	Up to 0.5MPa	215
13.0	7.0	4.8	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

DOUBLE ACTION AIR NIPPERS

GT-NWR

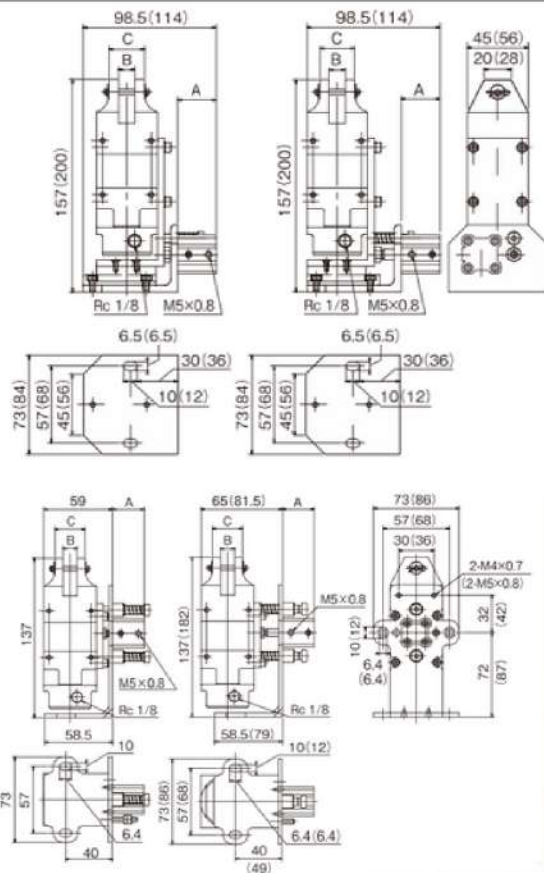


GT-NWS



Model No.	Capacity ϕ (mm)			Air Consumption (cm ³ /str.)	Applied Pressure (N)	Air Pressure (MPa)	Size (mm)		Weight (g)
	Copper	Steel	ABS Plastic				A	B	
Double Action Air Scissors (Round Type without Lever)									
GT-NWR10	1.8	1.2	4.0	116	588	0.4~0.5	146	ϕ 36	280
GT-NWR20	2.6	2.0	6.5	230	1,372	0.5~0.6	165	ϕ 45	523
GT-NWR30	3.3	2.8	9.5	584	2,744	0.5~0.6	230.5	ϕ 56	980
Double Action Air Scissors (Square Type)									
GT-NWS1	1.0	0.5	2.0	45	294	0.4~0.5	95	23×20	116
GT-NWS10	1.8	1.2	4.0	116	588	0.4~0.5	146	36×36	356
GT-NWS20	2.6	2.0	6.5	230	1,372	0.5~0.6	165	45×45	610
GT-NWS30	3.3	2.8	9.5	584	2,744	0.5~0.6	230.5	56×56	1115

SLIDE-OFF AIR NIPPER BRACKET-TYPE



GT-NB20LW-10TM

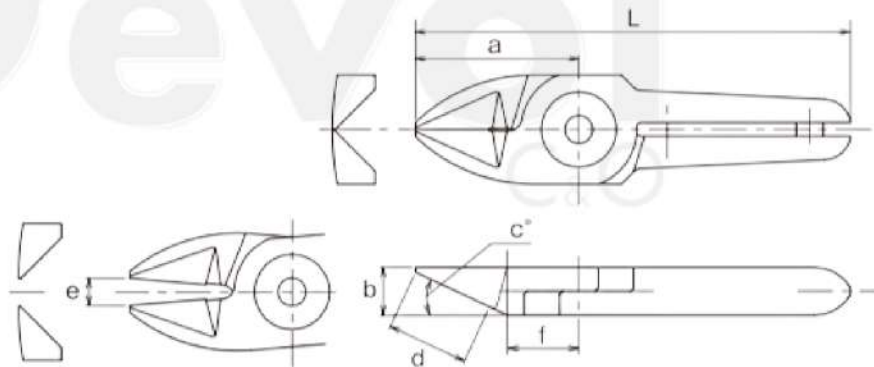


GT-NB20

Model No.	Size (mm)			Slide Direction/ Distance (mm)	Weight (g)
	A	B	C		
GT-NB20 (5-OSHI)	22	12	26	Push 0~5	755
GT-NB20 (5-HIKU)	22	12	26	Pull 0~5	755
GT-NB20 (10-OSHI)	27	12	26	Push 0~10	755
GT-NB20 (10-HIKU)	27	12	26	Pull 0~10	755
GT-NB30 (10-HIKU)	28.5	17	36	Pull 0~10	1,420
GT-NB20LW-10TM	28.5	12	26	Pull 0~10	795
GT-NB30LW-10TM	29.5	17	36	Pull 0~10	1,315
GT-NB20LW-10SM	28.5	12	26	Push 0~10	795
GT-NB30LW-10SM	29.5	17	36	Push 0~10	1,325

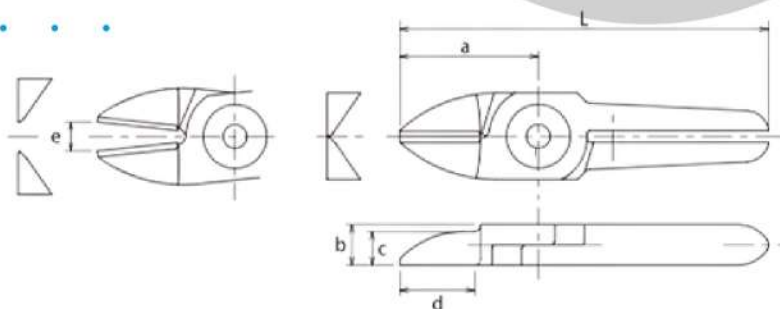
Blade is optional.

AIR NIPPER STANDARD BLADES FOR METAL



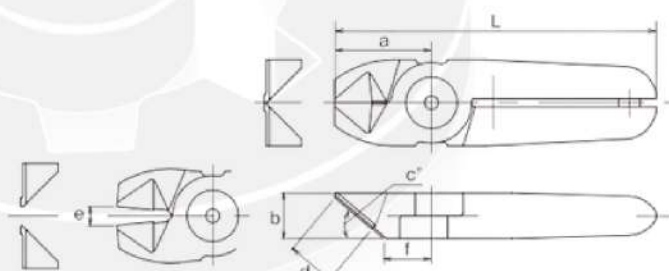
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c (°)	d	e	f	L			
N3AS	24	7	25	12	4	10.5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N3HS	24	7	25	12	4	10.5	64	35	High Speed Steel	GT-N3 / NS3 / NR3
N5AS	24	7	25	12	4	10.5	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N5HS	24	7	25	12	4	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

STRAIGHT BLADES FOR METAL



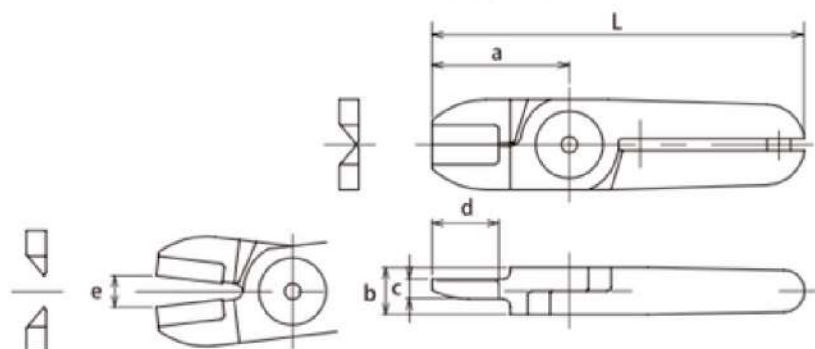
Model No.	a	b	Size (mm)		e	L	Weight (g)	Material	Application model
NW1BJ	20	5	3	10.5	3.5	50	16	Special alloy steel	GT-NWR1 / NWS1
N3BJ	24	7	5.8	13	5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N5BJ	24	7	5.8	13	4	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N7BJ	27	9	7.5	13	5	81	75	Special alloy steel	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

POWERFUL CUTTING BLADES



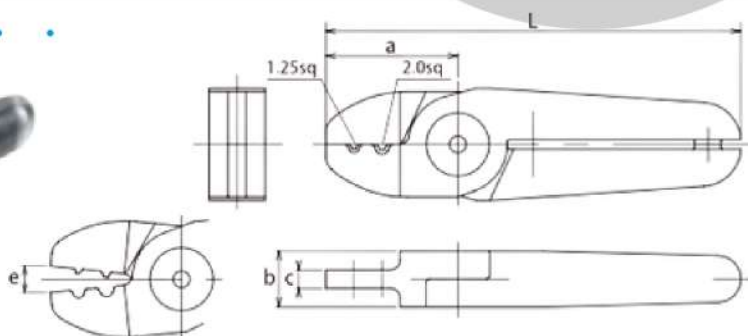
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c (°)	d	e	f	L			
N30BBB	36	17	40	18	7	18	120	365	Sintered Alloy	GT-NS30 / NR30 / N30 / NB30
N50BBB	46	25	35	19	9	24	166	955	Sintered Alloy	GT-NR50 / N50

CLIPPER BLADE WITH CARBIDE TIPS



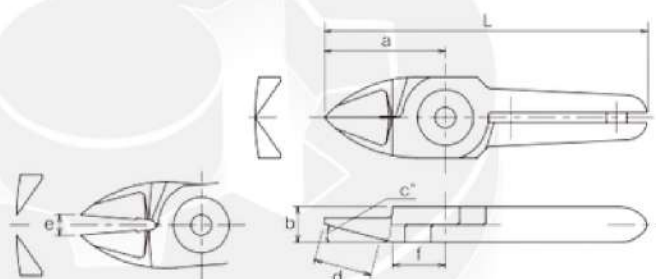
Model No.	a	b	Size (mm)		e	L	Weight (g)	Material	Application model
N20BFB	35	12	5	17	8	95	150	Sintered Alloy	GT-NS20 / NR20 / N20 / NB20
N50AS	60	25	10	30	11	180	950	Special alloy steel	GT-NR50 / N50

CRIMP EDGE FOR SOLDERLESS TERMINALS



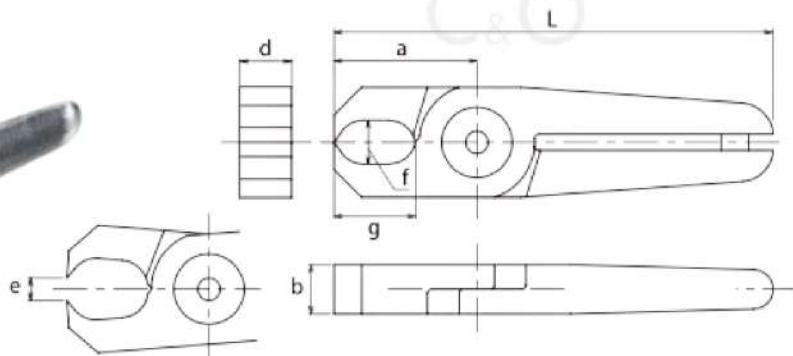
Model No.	a	b	Size (mm) c	e	L	Weight (g)	Material	Application model
N30ACD	40	17	5.5	8	126	335	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

AIR NIPPER STANDARD BLADES FOR PLASTIC



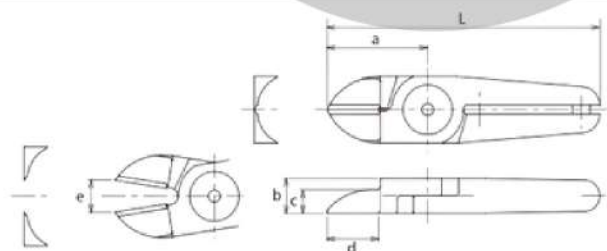
Model No.	Size (mm)							Weight (g)	Material	Application model
	a	b	c(°)	d	e	f	L			
N3AP	24	7	15	11.5	4	10.5	64	35	Special alloy steel	GT-N3 / NS3 / NR3
N5AP	24	7	15	11.5	4	10.5	64	40	Special alloy steel	GT-N5 / NS5 / NR5
N7AP	27	9	30	11.5	4	14.5	81	80	Special alloy steel	GT-N7 / NS7 / NR7
N10AP	27	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

NIPPING BLADES FOR PLASTIC



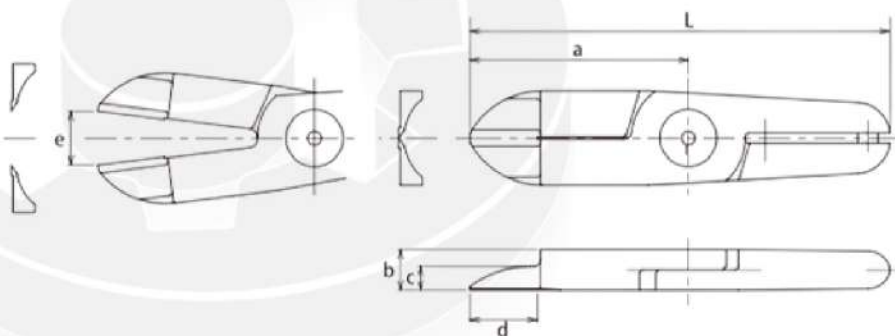
Model No.	Size (mm)					L	Weight (g)	Material	Application model
	a	b	f×a	d	e				
N3AE	20	7	6×11	7	3.5	60	35	Special alloy steel	GT-N3 / NS3 / NR3
N5AE	20	7	6×6.6	7	3.5	60	40	Special alloy steel	GT-N5 / NS5 / NR5
N7AE	26	9	8×14.8	9	4	80	85	Special alloy steel	GT-N7 / NS7 / NR7
N20AE	28	12	10×15.5	12	8	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

THIN, STRAIGHT BLADES FOR PLASTIC



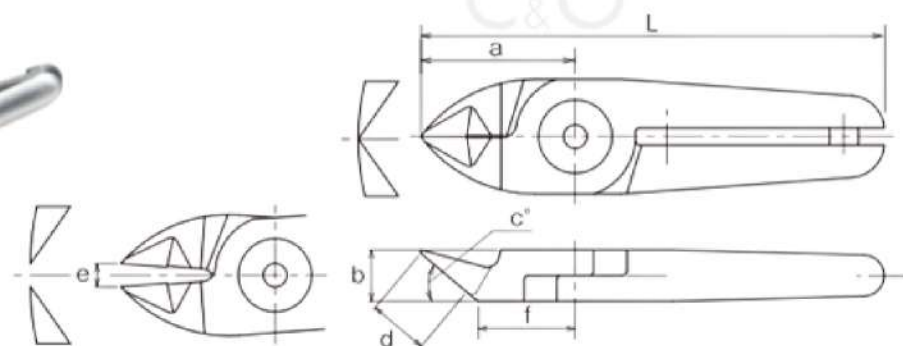
Model No.	a	b	Size (mm)		e	L	Weight (g)	Material	Application model
NW10AJ	30	9	6	14	5	85	76	Special alloy steel	GT-NWR10 / NWS10
N20AJ	35	12	8	18	11	95	125	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20AJB	35	12	8	18	11	95	125	Sintered Alloy	GT-NS20 / NR20 / N20 / NB20
NW20AJ	40	12	6	21.5	8	100	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

AIR NIPPER STANDARD/QUASI-STANDARD BLADES FOR PLASTIC



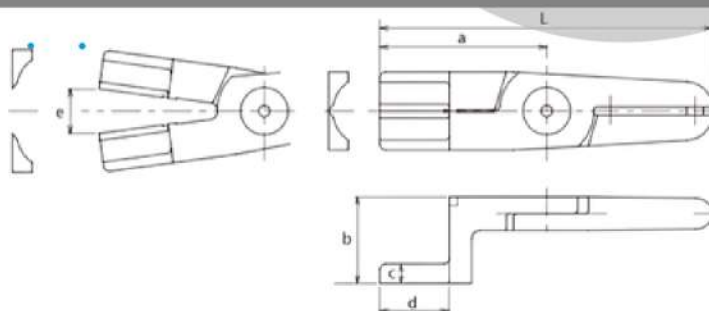
Model No.	a	b	Size (mm)		e	L	Weight (g)	Material	Application model
N10LAJ141	61	12	7	34	10	115	165	Special alloy steel	GT-NS10L / NR10L
N20AJL	65	12	7	20	16	125	230	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N20AB39	61	12	7	36	14	121	185	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AJ163	65	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

FLAT BLADES FOR PLASTIC



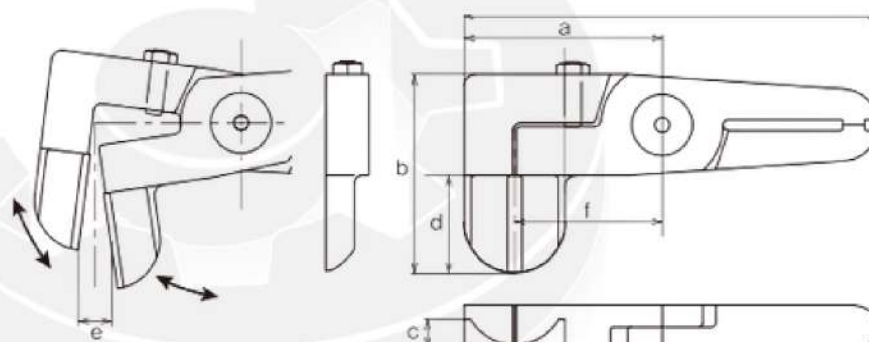
Model No.	a	b	c (°)	Size (mm)		e	f	L	Weight (g)	Material	Application model
N7PF	27	9	40	10.5	4	17	81	80	80	Special alloy steel	GT-N7 / NS7 / NR7
N10LPF	35	12	40	13.5	5	21	89	120	120	Special alloy steel	GT-NS10L / NR10L
N20PF	35	12	40	13.5	11	21	95	130	130	Special alloy steel	GT-NS20 / NR20 / N20 / NB20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

CRANK BLADES FOR PLASTIC



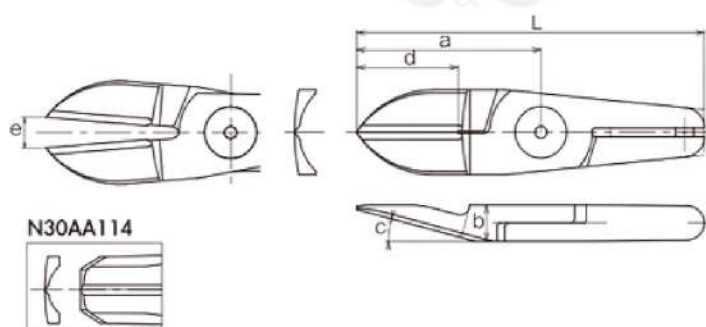
Model No.	Size (mm)					L	Weight (g)	Material	Application model
	a	b	c	d	e				
N20AH	60	31	7	23	16	120	240	Special alloy steel	GT-NS20 / NR20 / N20 / NB20

AIR NIPPER STANDARD/QUASI-BLADES FOR PLASTIC



Model No.	a	b	c	Size (mm)			L	Weight (g)	Material	Application model
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

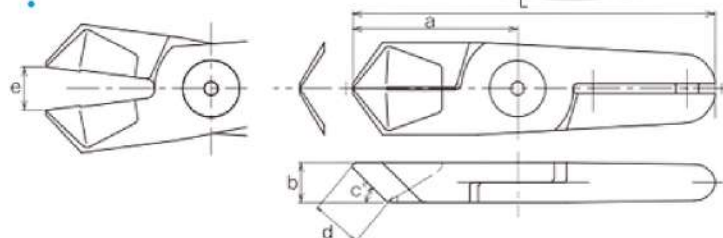
R BLADES FOR PLASTIC



N30AA114

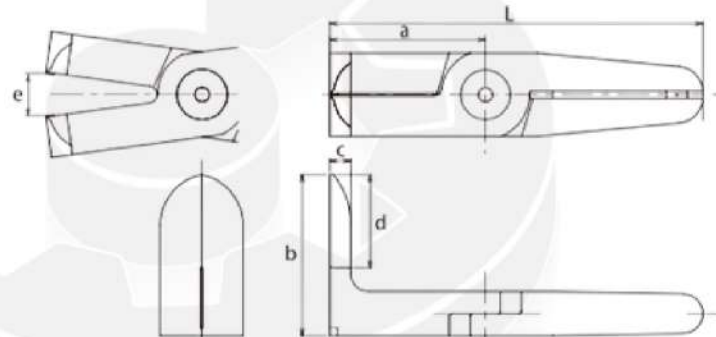
Model No.	Size (mm)					L	Weight (g)	Material	Application model
	a	b	c(°)	d	e				
N10LAB152	61	12	15	35	10	115	165	Special alloy steel	GT-NS10 /NR10L
N20AA27	45	12	23	25	12	105	145	Special alloy steel	GT-NS20 / NR20/N20 /NB20
N20AA239	52.3	12	40	27	14	112.3	195	Special alloy steel	GT-NS20 / NR20/N20/ 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

ANGLED NIPPING BLADES FOR PLASTIC



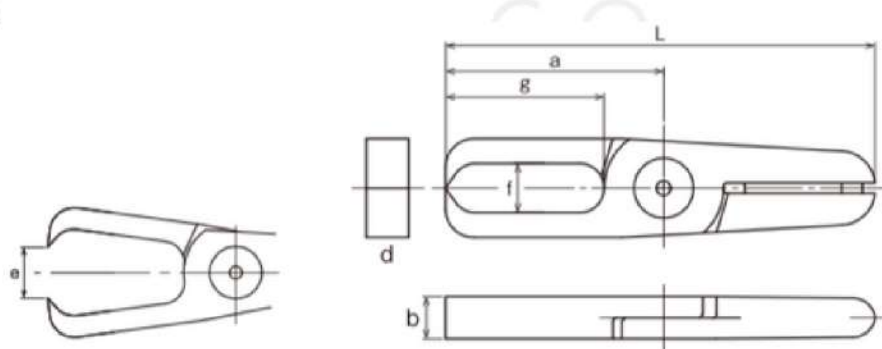
Model No.	Size (mm)					Weight (g)	Material	Application model
	a	b	c (°)	d	e			
N20AE19	50	12	45	13	13	110	Special alloy steel	GT-NS20 / NR20 / N20 / NB20
N30AE53	65	17	65	18.5	16	149	Special alloy steel	GT-NS30 / NR30 / N30 / NB30

AIR NIPPER QUASI STANDARD BLADES FOR PLASTIC



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

NIPPING BLADES FOR PLASTIC

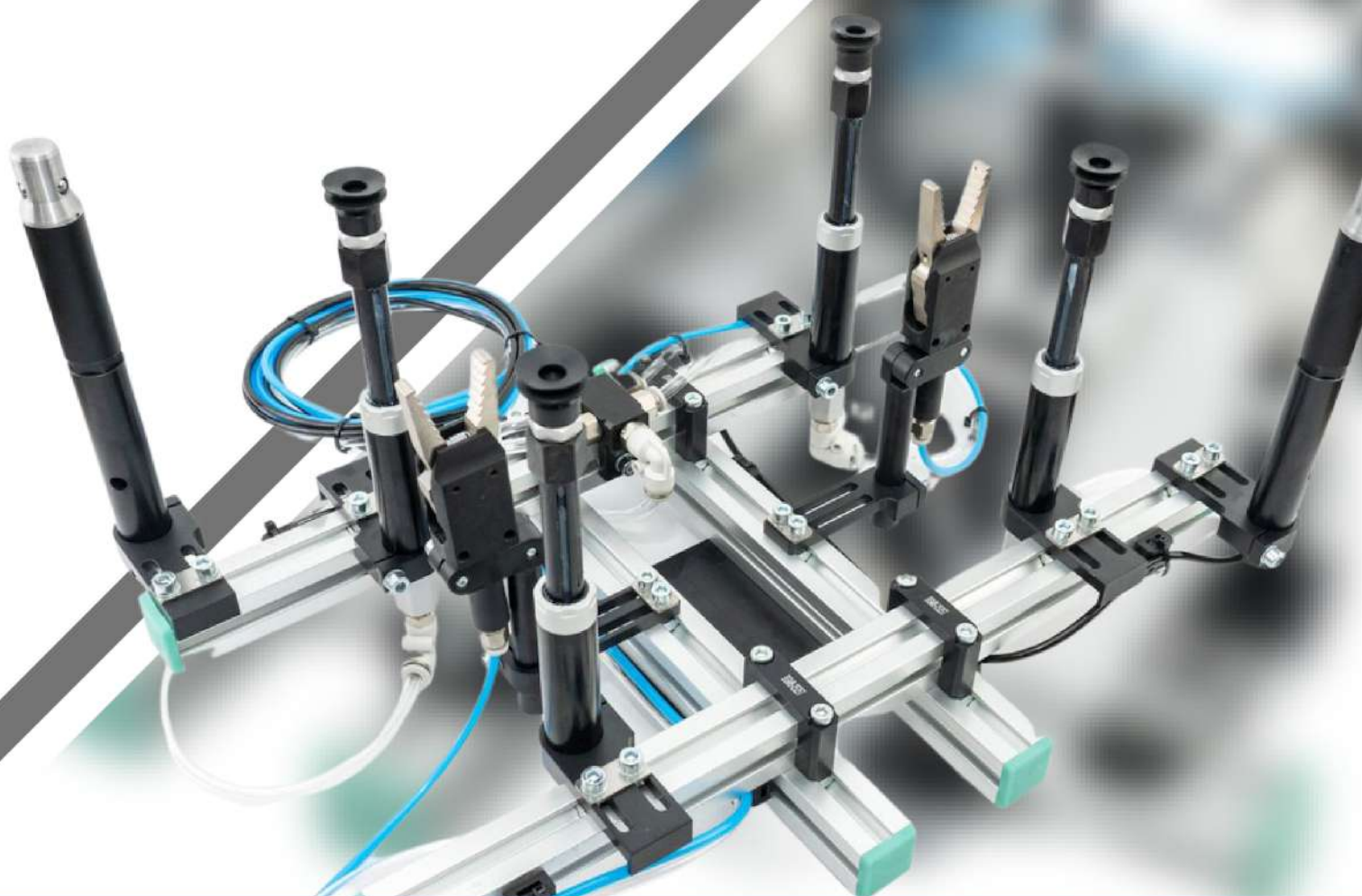


Model No.	Size (mm)					Weight (g)	Material	Application model
	a	b	f×g	d	e			
N20AE1205	62	12	14×45	12	16.5	122	Special alloy steel	GT-NS20 / NR20 / N20 / NB20



Devol

C&O



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