

VILOP Pneumatic has a factory with 20 years of production experience, providing you with the latest and best professional pneumatic tools, solenoid valves, air source processors, and accessories.

http://www.viloppneumatic.com

Catalogue

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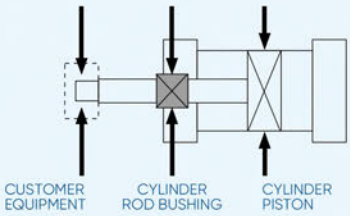
Sensor 315

VUS Series
NPFA Standard Cylinder

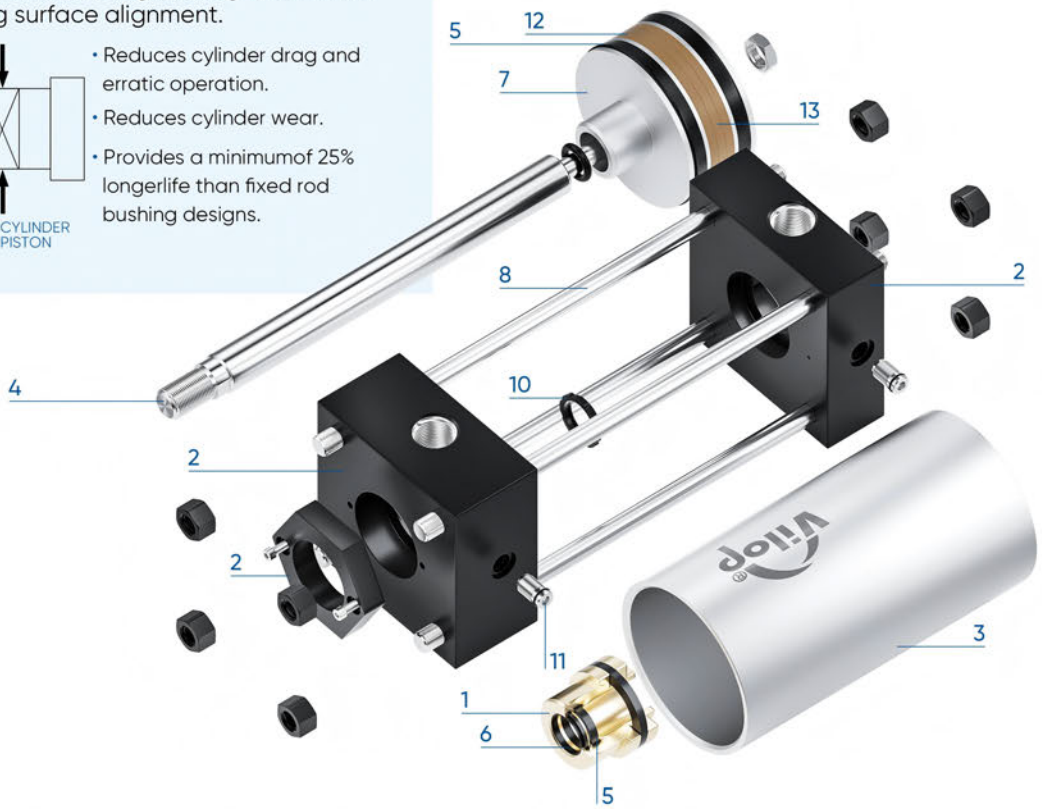
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Floating Rod Bushing

Self Alignment Feature: Rod Bushing is designed to float. 002"to improve bearing surface alignment.



- Reduces cylinder drag and erratic operation.
- Reduces cylinder wear.
- Provides a minimumof 25% longerlife than fixed rod bushing designs.



Heavy-Duty Design for Reliable, Consistent Operation

1 **Floating Rod Bushing** - Graphite cast iron (150,000 PSI), PTFE-coated. Traps lubrication, reduces friction, extends life.

2 **Head, Cap & Retainer** - 6061-T6 aluminum, black anodized. Corrosion-resistant.

3 **Cylinder Tube** - 6063-T6832 aluminum, hard-coated (60 Rc). Wear/corrosion-resistant, long cycle life.

4 **Piston Rod** - High-yield steel, polished, hard chrome plated.

5 **Piston & Rod Seals** - Carboxylated Nitrile seals, heavy lip. Pressure-activated, wear-compensating, self-lubricating.

6 **Rod Wiper** -Abrasion-resistant urethane wiper. External lip prevents debris entry.

7 **Piston** - 6061-T651 aluminum piston. Excellent bearing surface, long cylinder life.

8 **Tie Rods** - Pre-stressed high carbon steel tie rods. Eliminates axial load, maintains compression.

9 **Permanent Lubrication** - Magnalube-G PTFE grease (permanent). Non-migratory, long service life. No re-lubrication needed.

10 **Cushions** - Floating cushion seal (Opts H/C). Max performance, quick breakaway, long life.

11 **Cushion Adjustment Needle** - Adjustable steel needle, fine thread. Securely captured, no ejection during adjustment.

12 **Piston Wear Band** -PTFE/PPS wear band (90/10). Extremely low wear.

13 **Piston Magnet** - Piston magnet for Vilop magnetic switches (Opt MPR).

Operating Pressure

250 PSI Air (17 Bar)

Operating Temperature

Carboxilated Nitrile:	-20°F to -200°F (-29°C to 93°C)
Fluorocarbon:	0°F to 400°F (-18°C to 204°C)

Return Catalog

VUS Series
NPFA Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series



Ordering Code

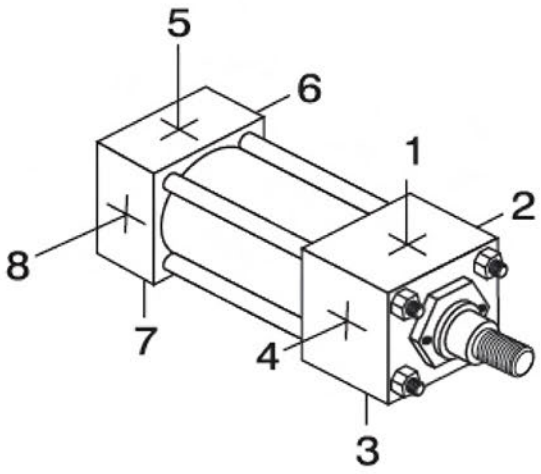
VUS	FL1	□	2.5	10	WC
Series	NFPA Mounts	Style	Bore	Stroke	Cushion
VUS 250PSI Air	FL0 No Mount (1.5"-12.00 Bore)	Blank: Single Rod	1.5 / 2.0	0"~120"	C: Cushion
		D: Double Rod END	2.5 / 3.25	Made- To Order	FC: Fixed Cushion
			4.0 / 5.0		WC: Without cushion
			6.0 / 8.0		
			10.0 / 12.0		

About our Part Number System

- Simple, easy to understand.
- No excessive codes!
- Eliminates mistakes when ordering.

Example: A 2.50"Bore by 10" Stroke NFPA cylinder, Front Flange Mount, Head & Cap Cushions,Magnetic Piston for Switches.

Part Number:
VUS-FL1-2.50x10-HC-MPR.



Standard Port and Cushion Adjustment Positions

- Ports - Positions 1 and 5
- Cushion Adjustment - Positions 2 and 6
- Specify Non-Standard Positions When Ordering

Return Catalog

VUS Series
NPFA Standard Cylinder

VILOP PNEUMATIC CO.,LTD
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About Rod End Styles

Style 1 Male Rod End is Standard

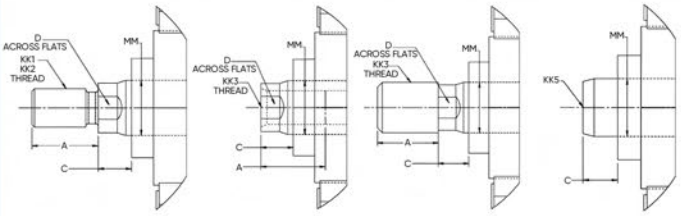
Other NFPA styles can be specified (see chart).

Need a rod end not listed? NO PROBLEM! Each Piston Rod is made-to-order and does not delay shipment. Coarse UNC threads, Metric threads or just plain rod ends are common. Thread lengths are also made-to-order (Specify: "A"=Length).

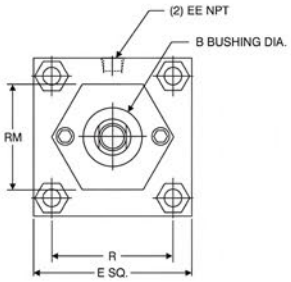
NEED SOMETHING NOT LISTED? Just send us a sketch. In most cases, quotes are turned around in one day!

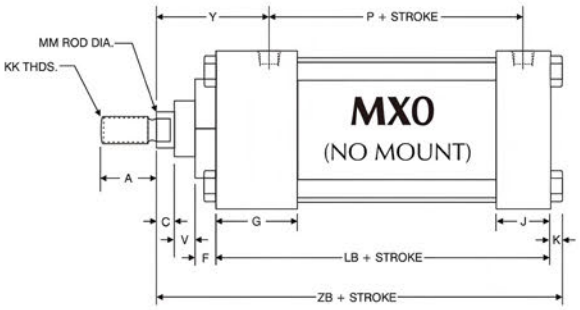
Piston Rod End Styles

Style 1&2 KK1 & KK2 | Style 3 KK3 | Style 4 KK4 | Style 5 KK5



Bore	Rod Diameter (MM)	Standard Style 1-Male		Optinal Style 2-Male		Style 3-Male		Style 4-Male		Style 5-Blank	C	D
		KK1	A	KK2	A	KK3	A	KK4	A	KK5		
1.50, 2.00,2.50	0.625 Standard	7/16-20	0.750	1/2-20	0.750	7/16-20	0.750	5/8-18	0.750	No Threads	0.375	0.500
	1.000 Oversize	3/4-16	1.125	7/8-14	1.125	3/4-16	1.125	1-14	1.125	No Threads	0.500	0.875
3.25, 4.00,5.00	1.000 Standard	3/4-16	1.125	7/8-14	1.125	3/4-16	1.125	1-14	1.125	No Threads	0.500	0.875
	1.375 Oversize	1-14	1.625	1 1/4-12	1.625	1-14	1.625	1 3/8-12	1.625	No Threads	0.625	1.125
6.00 8.00	1.375 Standard	1-14	1.625	1 1/4-12	1.625	1-14	1.625	1 3/8-12	1.625	No Threads	0.625	1.125
	1.750 Oversize	1 1/4-12	2.000	1 1/2-12	2.000	1 1/4-12	2.000	1 3/4-12	2.000	No Threads	0.750	1.500
10.00	1.750 Standard	1 1/4-12	2.000	1 1/2-12	2.000	1 1/4-12	2.000	1 3/4-12	2.000	No Threads	0.750	1.500
	2.000 Oversize	1 1/2-12	2.250	1 3/4-12	2.250	1 1/2-12	2.250	2-12	2.250	No Threads	0.875	1.750
12.00	2.000 Standard	1 1/2-12	2.250	1 3/4-12	2.250	1 1/2-12	2.250	2-12	2.250	No Threads	0.875	1.750
	2.500 Oversize	1 7/8-12	3.000	2 1/4-12	3.000	1 7/8-12	3.000	2 1/2-12	3.000	No Threads	1.000	2.125





Basic Dimensions 'FL0'Standard & Oversize Rods																		
Bore	Rod Diameter (MM)	A	B	C	E	EE	F	G	J	K	KK	LB	P	R	RM	V	Y	ZB
1.50	0.625 Standard	0.750	1.125	0.375	2.000	0.375	0.375	1.500	1.000	0.250	7/16-20	3.625	2.375	1.438	2.00 SQ.	0.250	1.875	4.875
	1.000 Oversize	1.125	1.500	0.500							3/4-16					0.500	2.250	5.250
2.00	0.625 Standard	0.750	1.125	0.375	2.500	0.375	0.375	1.500	1.000	0.313	7/16-20	3.625	2.375	1.844	1.75 HEX	0.250	1.875	4.938
	1.000 Oversize	1.125	1.500	0.500							3/4-16				2.50 SQ.	0.500	2.250	5.313
2.50	0.625 Standard	0.750	1.125	0.375	3.000	0.375	0.375	1.500	1.000	0.313	7/16-20	3.750	2.500	2.188	1.75 HEX	0.250	1.875	5.063
	1.000 Oversize	1.125	1.500	0.500							3/4-16				3.00 SQ.	0.500	2.250	5.438
3.25	1.000 Standard	1.125	1.500	0.500	3.750	0.500	0.625	1.750	1.250	0.375	3/4-16	4.250	2.750	2.766	2.75 DIA.	0.250	2.375	6.000
	1.375 Oversize	1.625	2.000	0.625							1-14				3.75 SQ	0.375	2.625	6.250
4.00	1.000 Standard	1.125	1.500	0.500	4.500	0.500	0.625	1.750	1.750	0.375	3/4-16	4.250	2.750	3.320	2.75 DIA.	0.250	2.375	6.000
	1.375 Oversize	1.625	2.000	0.625							1-14				3.50 DIA.	0.375	2.625	6.250
5.00	1.000 Standard	1.125	1.500	0.500	5.500	0.500	0.625	1.750	1.250	0.438	3/4-16	4.500	3.000	4.100	2.75 DIA.	0.250	2.375	6.313
	1.375 Oversize	1.625	2.000	0.625							1-14				3.50 DIA.	0.375	2.625	6.563
6.00	1.375 Standard	1.625	2.000	0.625	6.500	0.750	0.625	2.000	1.500	0.438	1-14	5.000	3.250	4.875	3.50 DIA.	0.375	2.750	7.063
	1.750 Oversize	2.000	2.375	0.750							1 1/4-12					0.500	3.000	7.313
8.00	1.375 Standard	1.625	2.000	0.625	8.500	0.750	0.625	2.000	1.500	0.563	1-14	5.125	3.375	6.438	3.50 DIA.	0.375	2.750	7.313
	1.750 Oversize	2.000	2.375	0.750							1 1/4-12					0.500	3.000	7.563
10.00	1.750 Standard	2.000	2.375	0.750	10.625	1.000	0.625	2.250	2.000	0.688	1 1/4-12	6.375	4.313	7.922	3.50 DIA.	0.500	3.063	8.935
	2.000 Oversize	2.250	2.625	0.875			0.750				1 1/2-12				5.00 DIA.	0.375	3.188	9.063
12.00	2.000 Standard	2.250	2.625	0.875	12.750	1.000	0.750	2.250	2.000	0.688	1 1/2-12	6.875	4.813	9.400	5.00 DIA.	0.375	3.188	9.563
	2.500 Oversize	3.000	3.125	1.000							1 7/8-12					0.500	3.438	9.813

Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Product Features

Working with vilop gives you:

- The Original stainless steel body cylinder company- with more sizes and options than any other manufacturer.
- Fast service - many models and sizes kept in stock for immediate delivery.
- Woricwide availability through local stocking distributors.
- Custom-design capabilities for your specific needs.

Features and Benefits:

- 304 stainless steel body with mirror finish ID For long, reliable life.
- Pre-lubricated with semi-synthetic grease,no additional lubrication is required.
- Piston-to-rod connection is threaded,sealed and riveted securelyin place.
- Low breakaway frictional characteristics: collapsible U-cup rod and piston seals;oil-impregnated, sintered bronze rod.
- Roll-formed rod threads on bothends for high strength.
- High strength aluminum alloy portingends,machined for minimal breakawayduring initial pressurization.
- 250 psi rating.



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



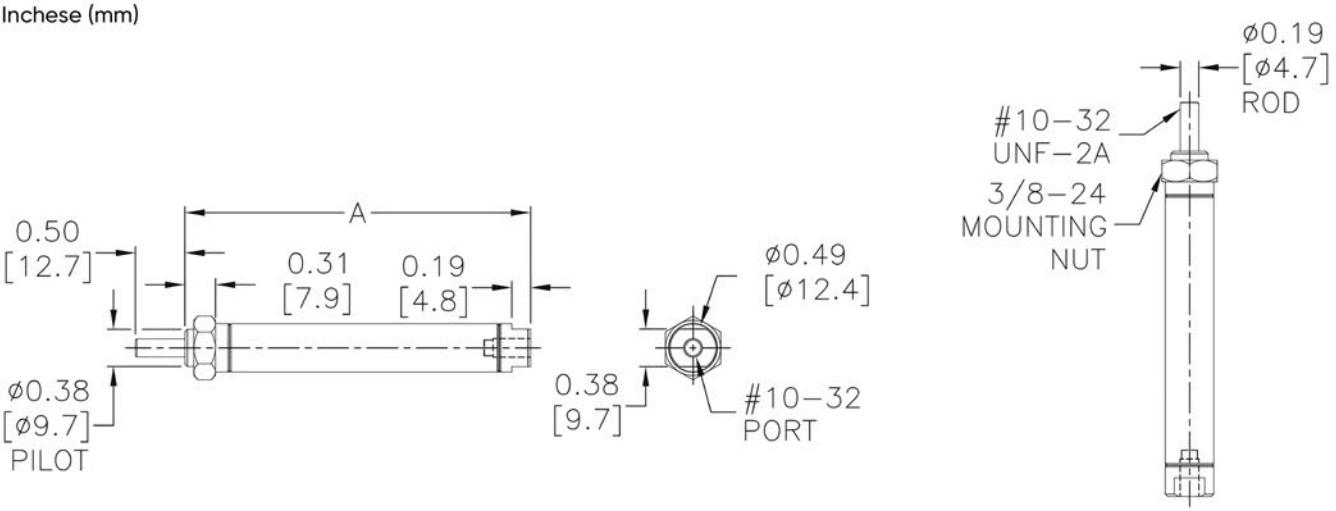
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V07005SN	0.5	2.25	2.25
V07010SN	1.0	3.19	3.19
V07015SN	1.5	4.13	4.13
V07020SN	2	50.7	50.7

Specifications	
304 SS cylinder body	0.15 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 15.0 lb.	Spring force =1 lb.relaxed, 2 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-3	AN-38-24*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 7/16" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

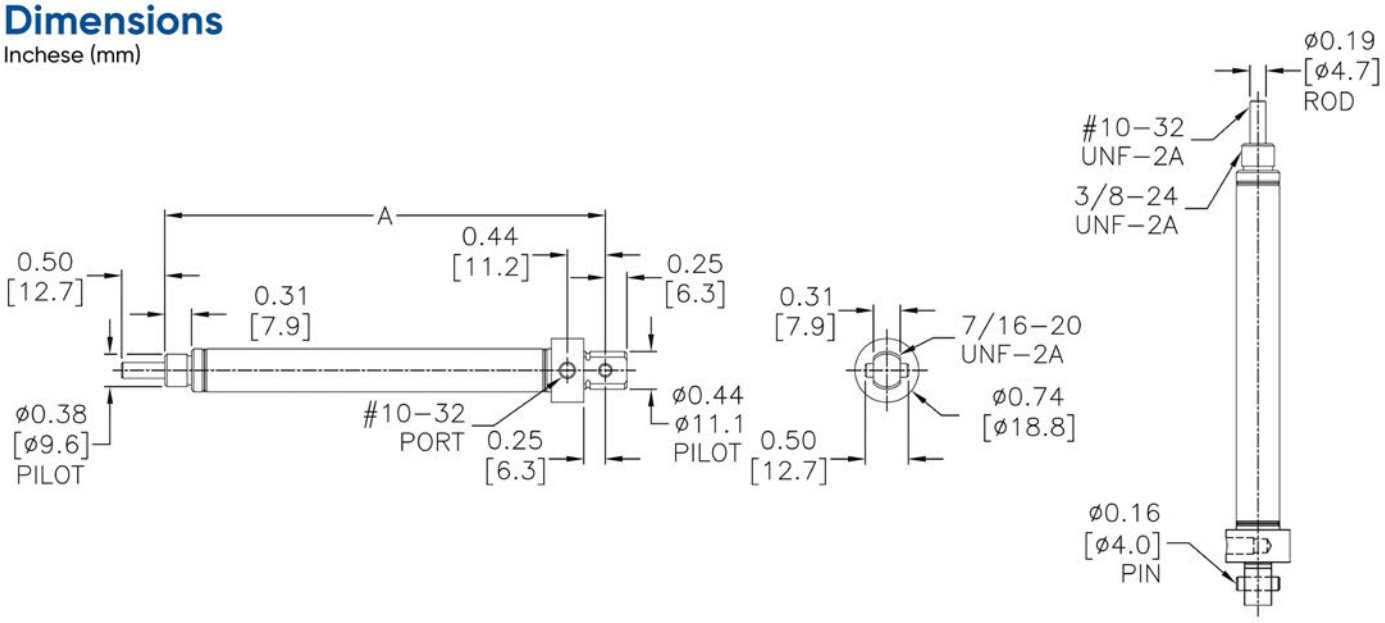


Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V07005SP	0.5	2.69	0.1
V07010SP	1.0	3.63	0.1
V07015SP	1.5	4.57	0.1
V07020SP	2	5.51	50.7
Specifications			
304 SS cylinder body		0.15 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 15.0 lb.		Spring force =1 lb.relaxed, 2 lb.compressed	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-3	AN-38-24
Rear Pivot Mount		APB-1	-
Double End Mount	Front	AMB-3	AN-38-24
	Rear	AMB-4	AN-716-24

Cylinder rod clevis ARC-10-32See end of 7/16" bore section for AccessoriesNote: Drive pin out for double end mounting

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



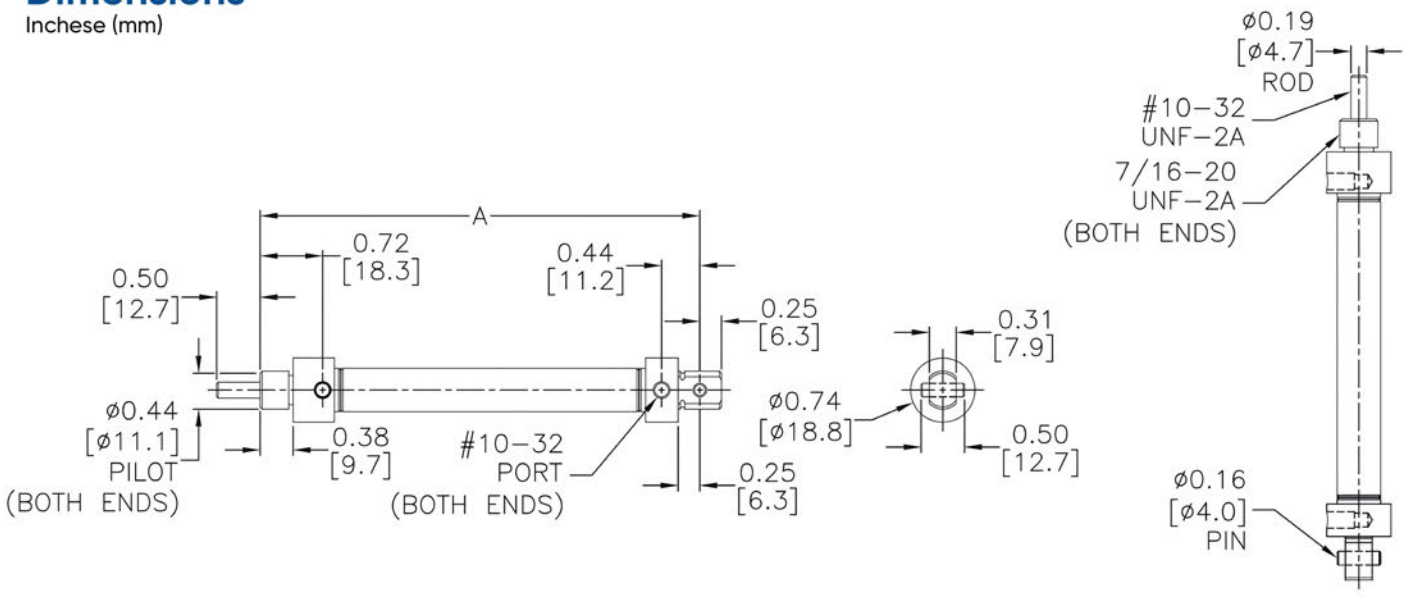
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V07005DP	0.5	3.06	0.1
V07010DP	1.0	3.56	0.1
V07015DP	1.5	4.06	0.1
V07020DP	2.0	4.56	0.1
V07030DP	3.0	5.56	0.1

Specifications	
304 SS cylinder body	0.15 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 15.0 lb.	Spring force =1 lb.relaxed, 2 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20
Rear Pivot Mount		APB-1	-
Double End Mount	Front	AMB-4	AN-716-20
	Rear	AMB-4	AN-716-20

Cylinder rod clevis ARC-10-32
See end of 7/16" bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/16" Bore Air Cylinders

- Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



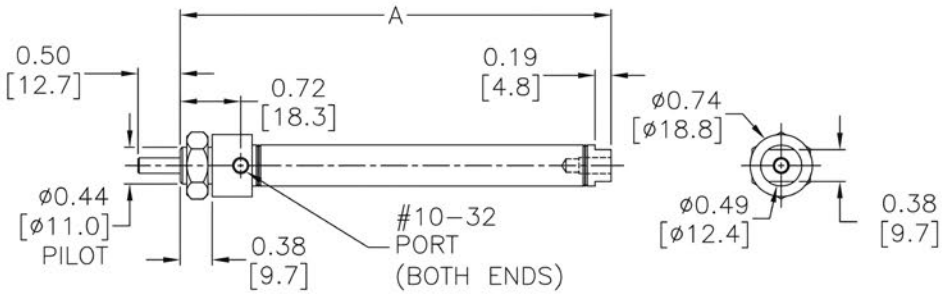
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V07005DN	0.5	2.62	0.1
V07010DN	1.0	3.12	0.1
V07015DN	1.5	3.62	0.1
V07020DN	2.0	4.12	0.1
V07030DN	3.0	5.12	0.1
V07040DN	4.0	6.12	0.2
V07060DN	6.0	8.12	0.2

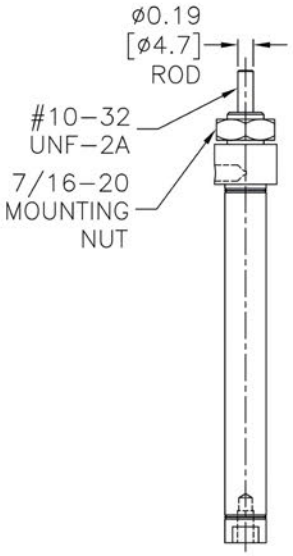
Specifications	
304 SS cylinder body	0.15 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 15.0 lb.	Spring force =1 lb.relaxed, 2 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

* (1) Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 7/16" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

9/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



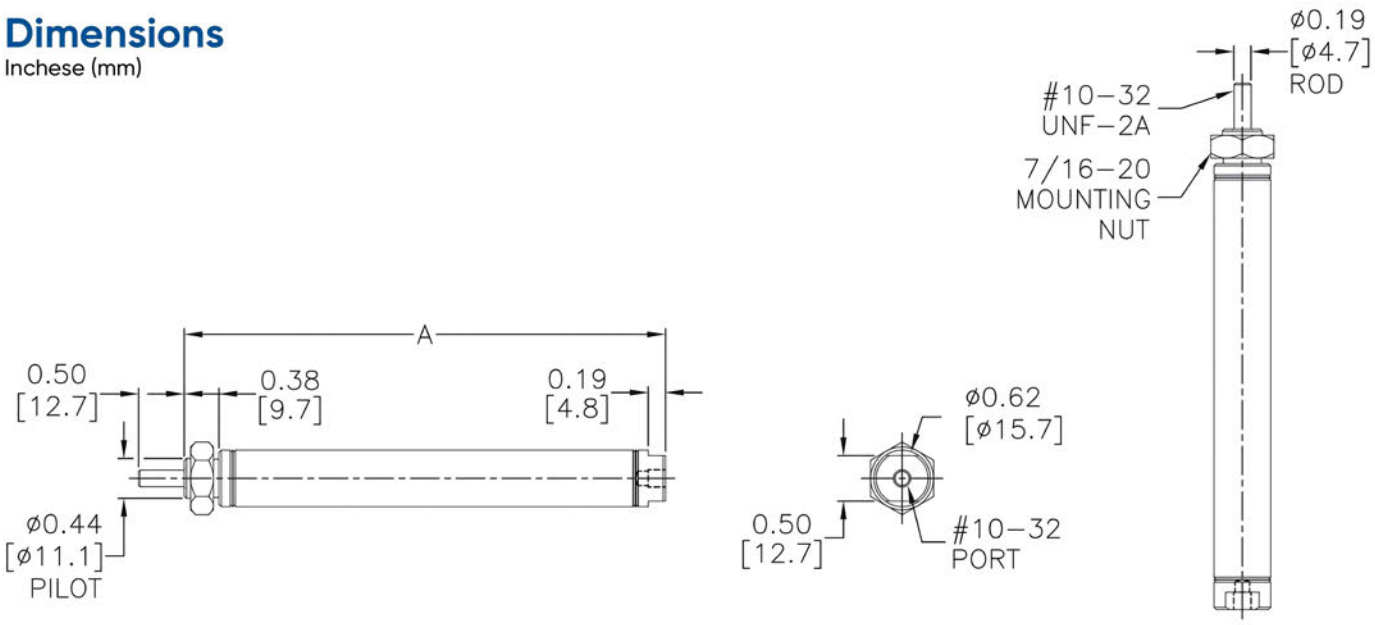
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V09005SN	0.5	2.34	0.1
V09010SN	1.0	3.15	0.1
V09015SN	1.5	4.77	0.2
V09020SN	2	6.39	0.2

Specifications	
304 SS cylinder body	0.25 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 25.0 lb.	Spring force =2 lb.relaxed, 4 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 9/16" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

9/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



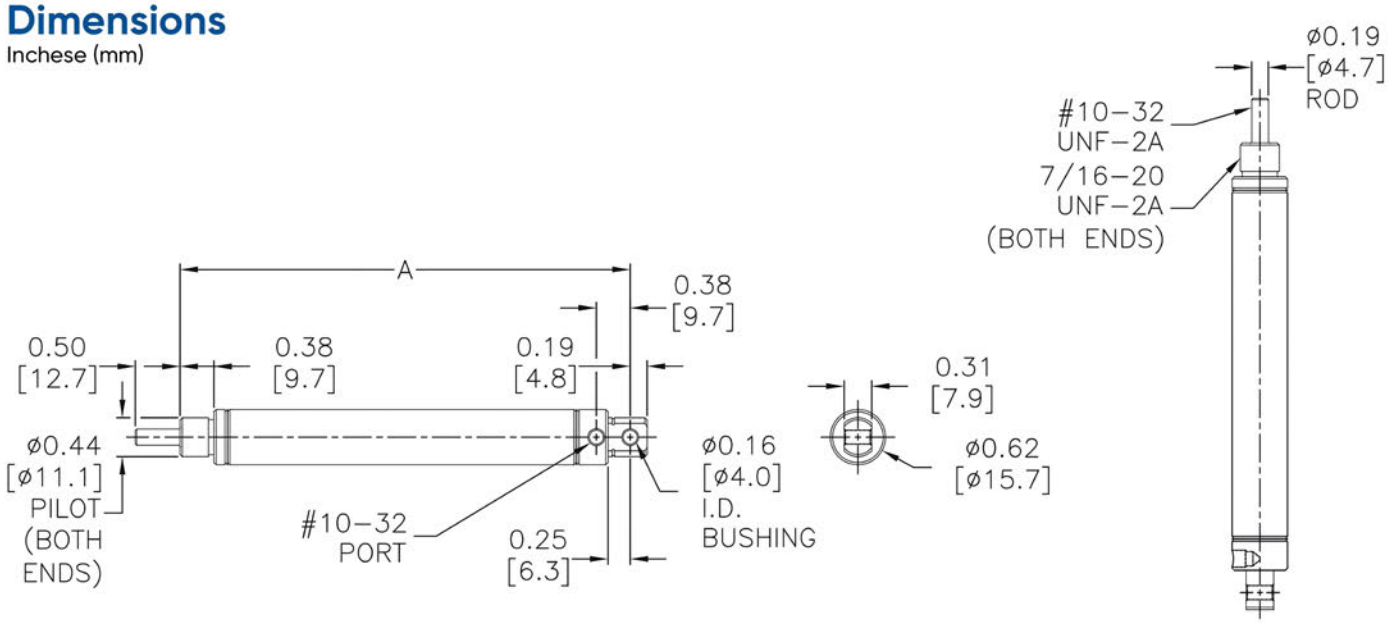
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V09005SP	0.5	2.62	0.1
V09010SP	1.0	3.43	0.1
V09020SP	2.0	5.05	0.2
V09030SP	2	6.67	0.2

Specifications	
304 SS cylinder body	0.25 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 25.0 lb.	Spring force =2 lb.relaxed, 4 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20
Rear Pivot Mount		APBP-2	-
Double End Mount	Front	AMB-4	AN-716-20
	Rear	AMB-4	AN-716-20

Cylinder rod clevis ARC-10-32
See end of 9/16" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

9/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



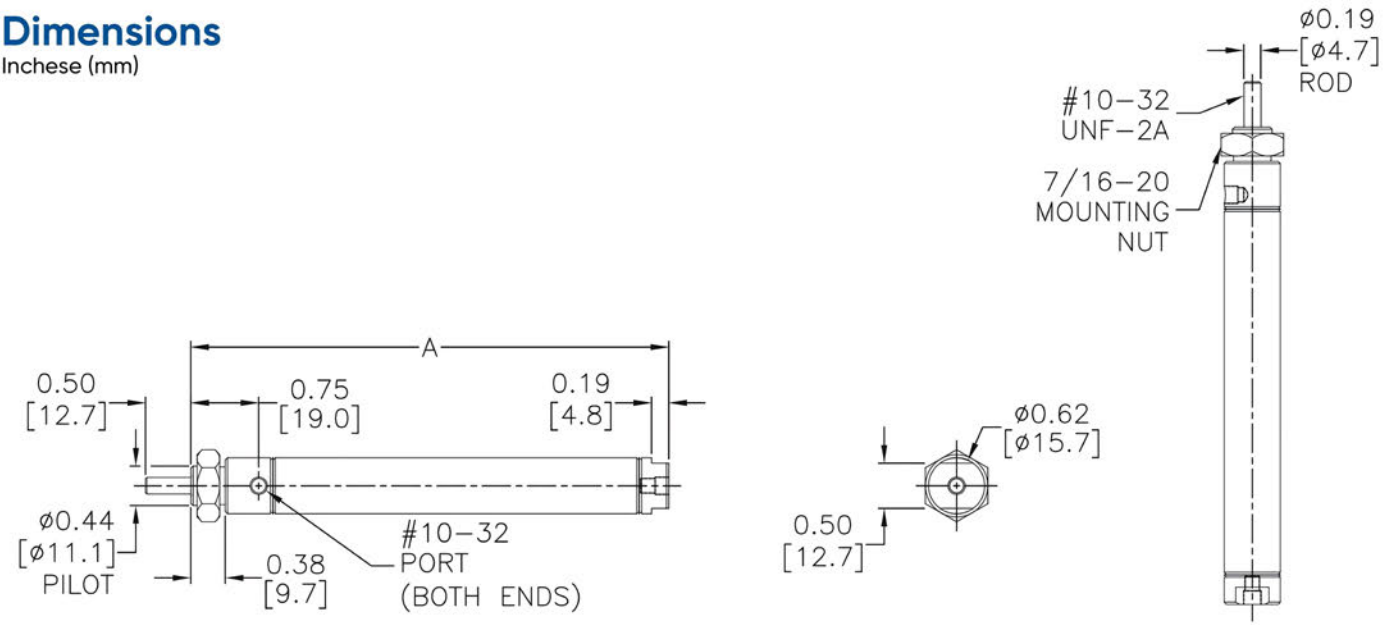
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V09005DN	0.5	2.78	0.1
V09010DN	1.0	3.28	0.1
V09020DN	2.0	4.28	0.1
V09030DN	3.0	5.28	0.2
V09040DN	4.0	6.28	0.2
V09060DN	6.0	8.28	0.2

Specifications	
304 SS cylinder body	0.25 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 25.0 lb.	Retract force at 100 psi = 22.2 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

* (1) Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 9/16" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

9/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



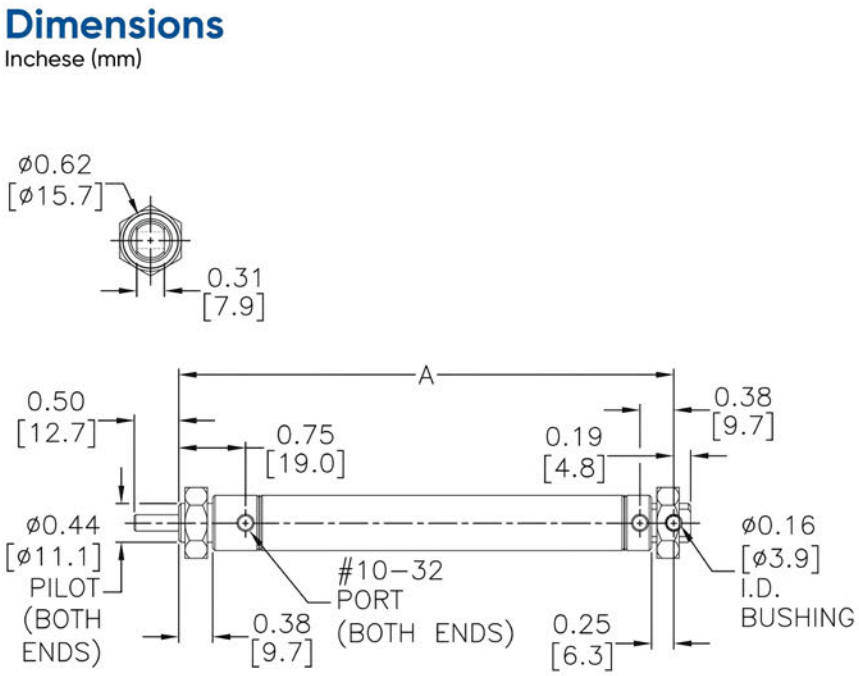
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V09005DD	0.5	3.06	0.1
V09010DD	1.0	3.56	0.1
V09020DD	2.0	4.56	0.1
V09030DD	3.0	5.56	0.2
V09040DD	4.0	6.56	0.2
V09060DD	6.0	8.56	0.2

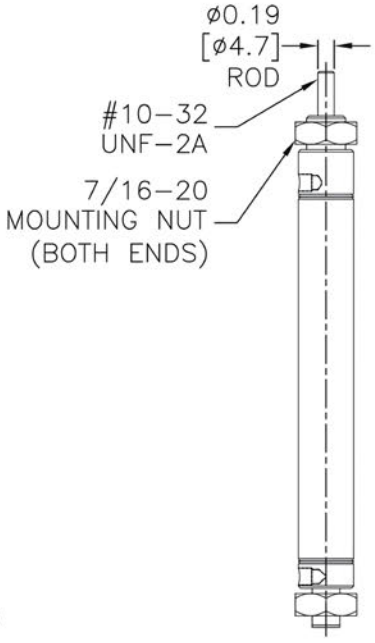
Specifications	
304 SS cylinder body	0.25 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 25.0 lb.	Retract force at 100 psi = 22.2 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20*
Rear Pivot Mount		APBP-2	-
Double End Mount	Front	AMB-4	AN-716-20*
	Rear	AMB-4	AN-716-20*

* (2) Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 9/16" bore section for Accessories.

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

9/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



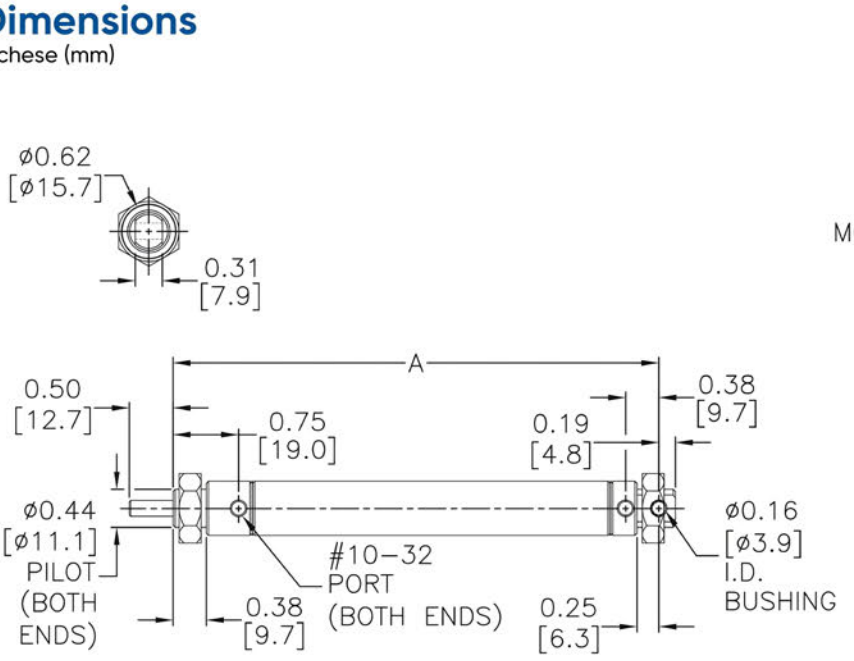
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V09010DD-M	1.0	3.56	0.1
V09020DD-M	2.0	4.56	0.1
V09030DD-M	3.0	5.56	0.2
V09040DD-M	4.0	6.56	0.2
V09060DD-M	6.0	8.56	0.2

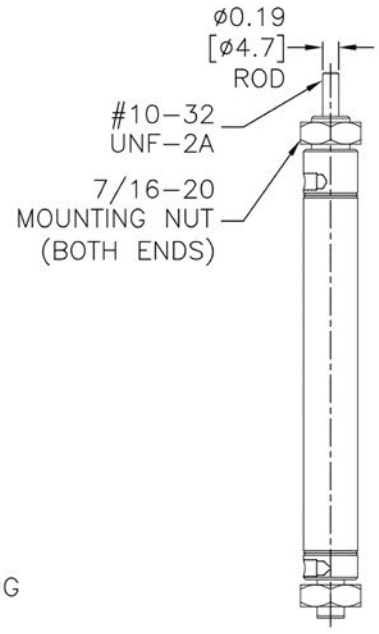
Specifications	
304 SS cylinder body	0.25 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 25.0 lb.	Retract force at 100 psi = 22.2 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-4	AN-716-20*
Rear Pivot Mount		APBP-2	-
Double End Mount	Front	AMB-4	AN-716-20*
	Rear	AMB-4	AN-716-20*

* (2) Nut included with cylinder
Cylinder rod clevis ARC-10-32
See end of 9/16" bore section for Accessories.

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

3/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



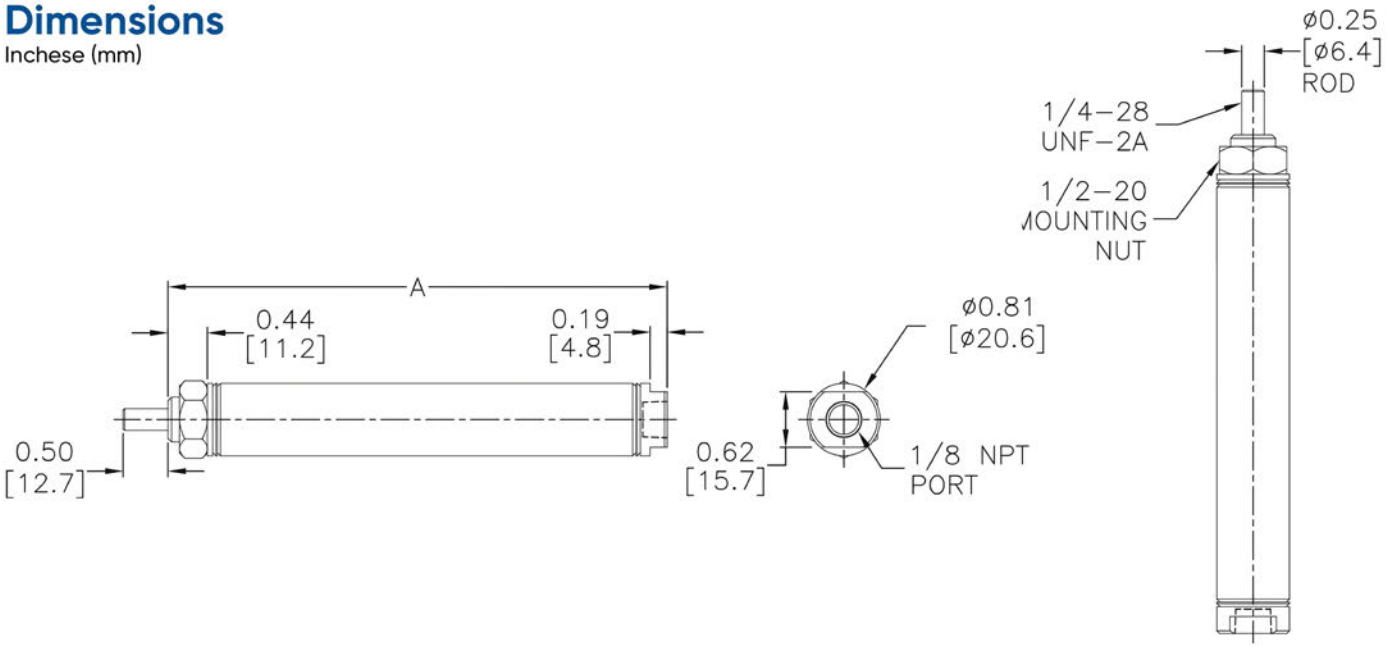
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V1205SN	0.5	2.69	0.1
V12010SN	1.0	3.19	0.2
V12015SN	1.5	4.38	0.2
V12020SN	2.0	4.88	0.3
V12030SN	3.0	6.57	0.3
V12040SN	4.0	8.26	0.4
V12050SN	5.0	9.95	0.5
V12060SN	6.0	11.64	0.6

Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0 lb.	Spring force = 3 lb. relaxed, 6 lb. compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-5	AN-12-20*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

* (1) Nut included with cylinder
Cylinder rod clevis ARC-14-28
See end of 3/4" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

3/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



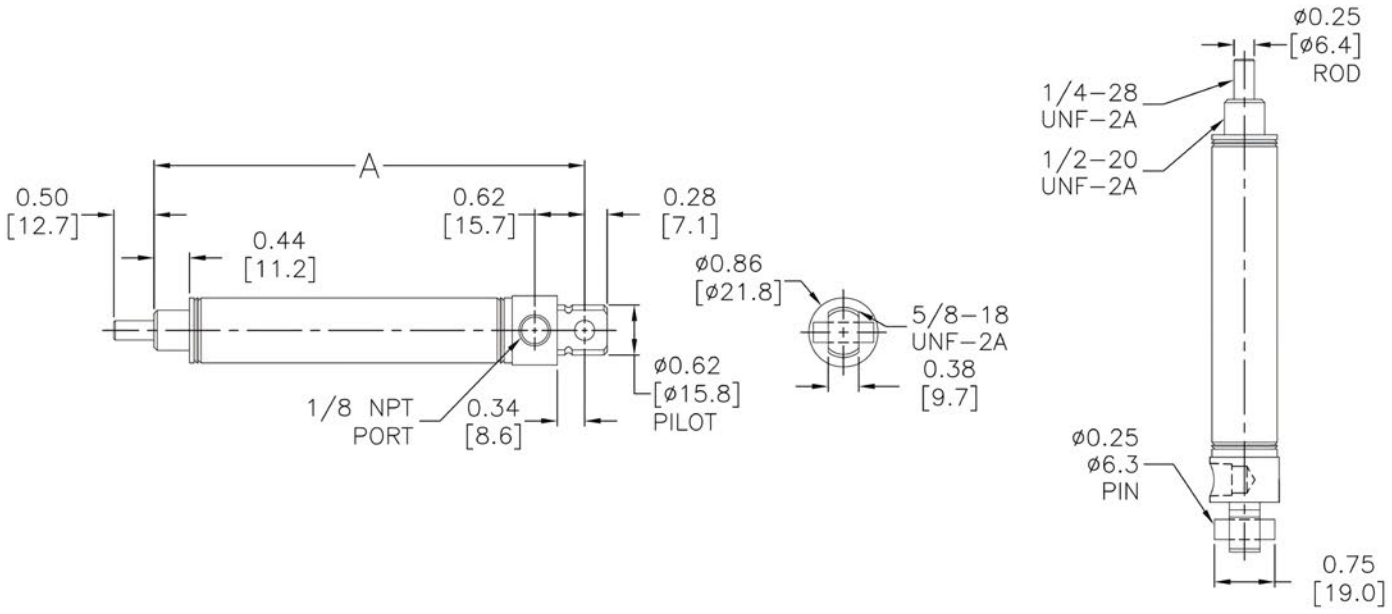
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V1205SP	0.5	3.13	0.2
V12010SP	1.0	3.97	0.2
V12015SP	1.5	4.82	0.3
V12020SP	2.0	5.66	0.3
V12030SP	3.0	7.35	0.4
V12040SP	4.0	9.04	0.5
V12050SP	5.0	10.73	0.5
V12060SP	6.0	12.42	0.6

Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0 lb.	Spring force = 3 lb. relaxed, 6 lb. compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-5	AN-12-20
Rear Pivot Mount		APB-2	-
Double End Mount	Front	AMB-5	AN-12-20
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-14-28
See end of 3/4" bore section for Accessories
Note:Drive pin out for double end mounting

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

3/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



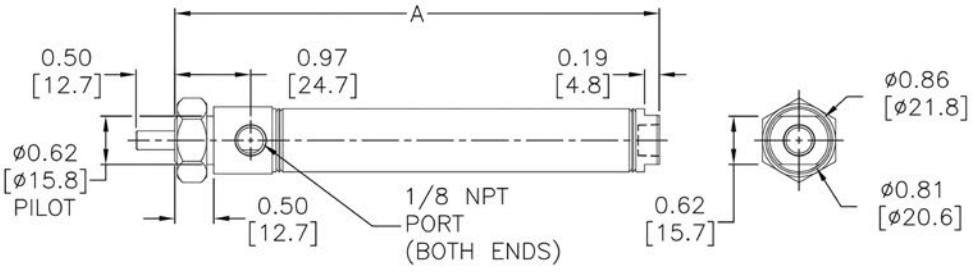
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V1205DN	0.5	3.47	0.2
V12010DN	1.0	3.97	0.2
V12015DN	1.5	4.47	0.3
V12020DN	2.0	4.97	0.3
V12030DN	3.0	5.97	0.3
V12040DN	4.0	6.97	0.3
V12050DN	5.0	7.97	0.4
V12060DN	6.0	8.97	0.4
V12080DN	8.0	10.97	0.5
V12100DN	10.0	12.97	0.5
V12120DN	12.0	14.97	0.6

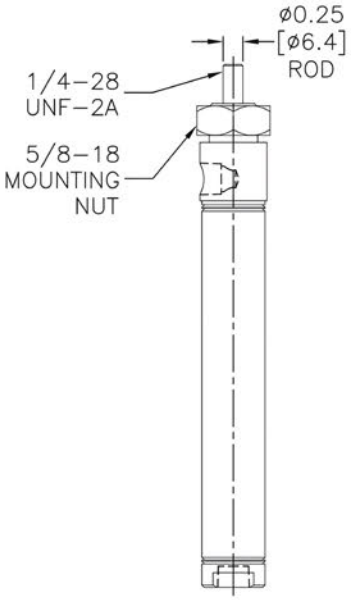
Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0 lb.	Retract force at 100 psi= 35.1 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1) Nut included with cylinder
Cylinder rod clevis ARC-14-28
See end of 3/4" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

3/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



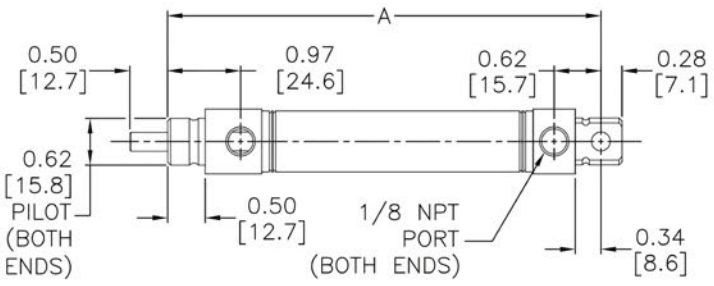
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V1205DP	0.5	4.25	0.2
V12010DP	1.0	4.75	0.2
V12020DP	2.0	5.75	0.3
V12030DP	3.0	6.75	0.3
V12040DP	4.0	7.75	0.3
V12050DP	5.0	8.75	0.4
V12060DP	6.0	9.75	0.4
V12080DP	8.0	11.75	0.5
V12100DP	10.0	13.75	0.5
V12120DP	12.0	15.75	0.6

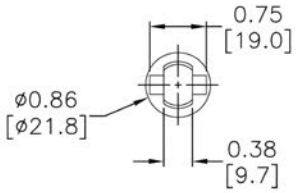
Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0 lb.	Retract force at 100 psi= 35.1 lb.

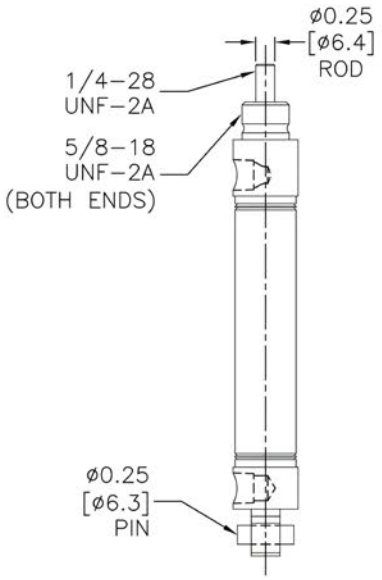
Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-62	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-14-28
See end of 3/4" bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

3/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



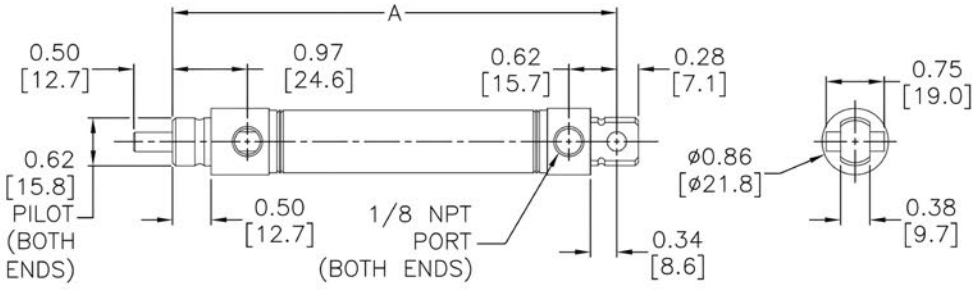
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V12010DP-M	1.0	4.75	0.2
V12020DP-M	2.0	5.75	0.3
V12030DP-M	3.0	6.75	0.3
V12040DP-M	4.0	7.75	0.3
V12050DP-M	5.0	8.75	0.4
V12060DP-M	6.0	9.75	0.4
V12080DP-M	8.0	11.75	0.5
V12100DP-M	10.0	13.75	0.5
V12120DP-M	12.0	15.75	0.5

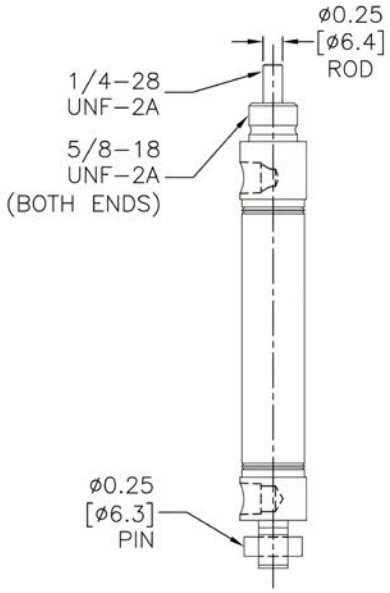
Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0 lb.	Retract force at 100 psi= 35.1 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-62	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-14-28
See end of 3/4" bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/8" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



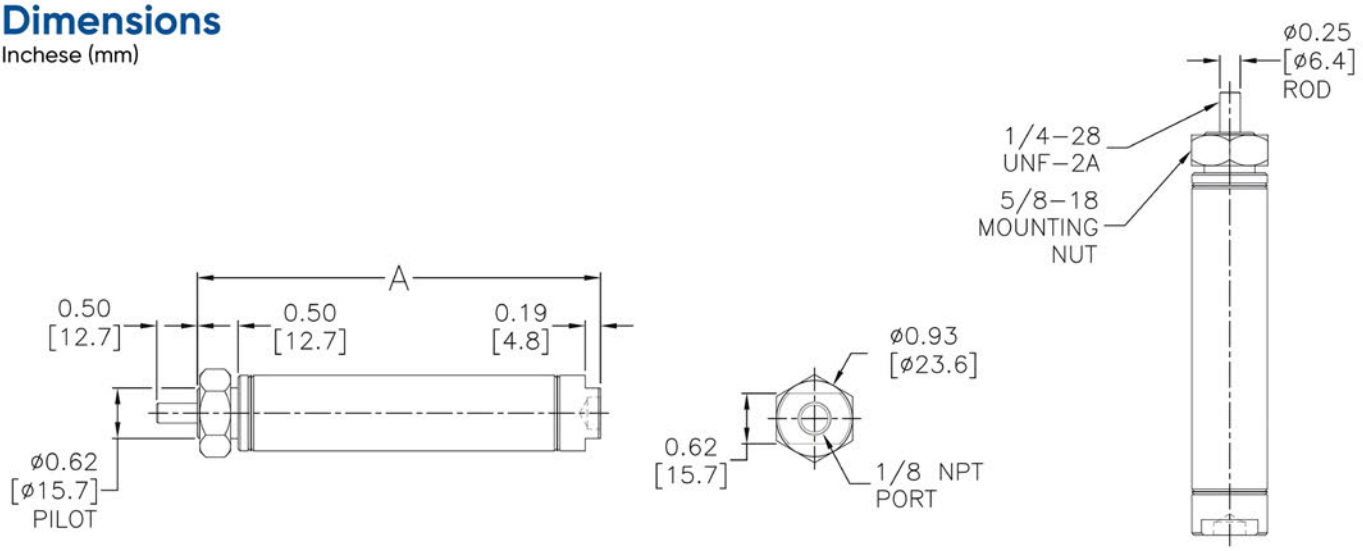
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V14010SN	1.0	3.4	0.3
V14020SN	2.0	4.96	0.4
V14030SN	3.0	6.52	0.4

304 SS cylinder body	0.6 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	Spring force =1 lb.relaxed, 6 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-14-28
See end of 7/8" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/8" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



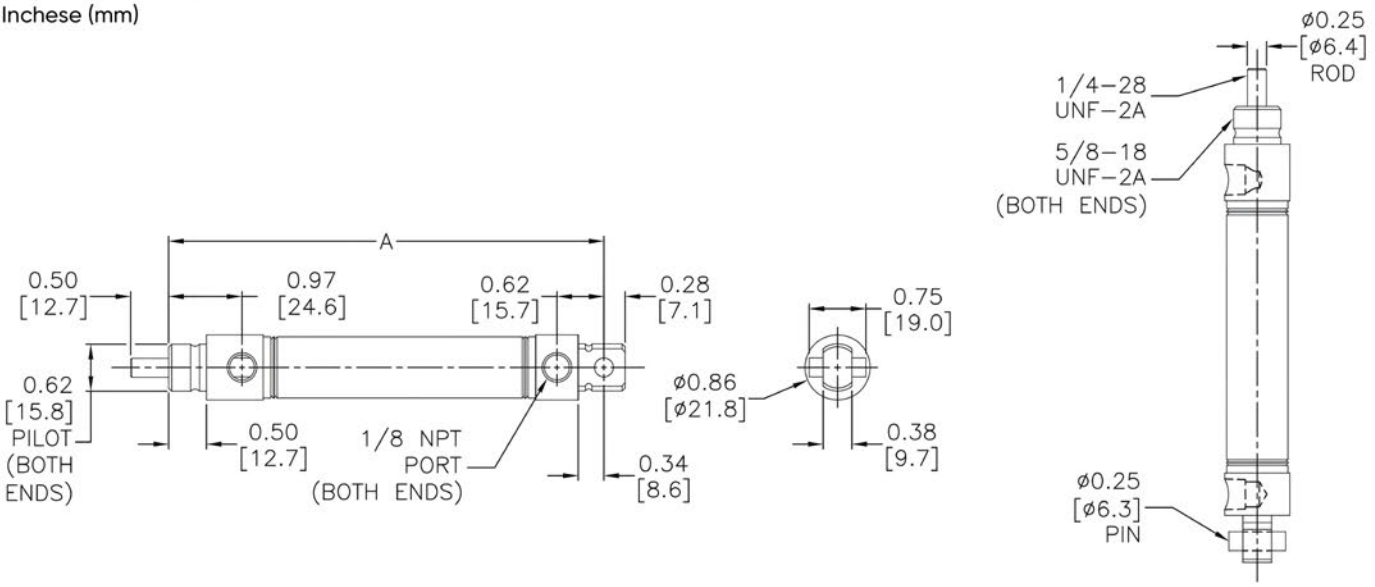
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V14010SP	1.0	4.03	0.3
V14020SP	2.0	5.59	0.4
V14030SP	3.0	7.15	0.4

304 SS cylinder body	0.6 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	Spring force =3 lb.relaxed, 6 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-2	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-14-28
See end of 7/8" bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/8" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



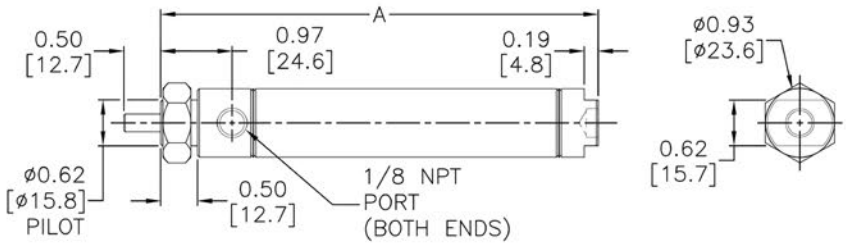
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V14010DN	1.0	3.94	0.3
V14020DN	2.0	4.94	0.3
V14030DN	3.0	5.94	0.3
V14040DN	4.0	6.94	0.4

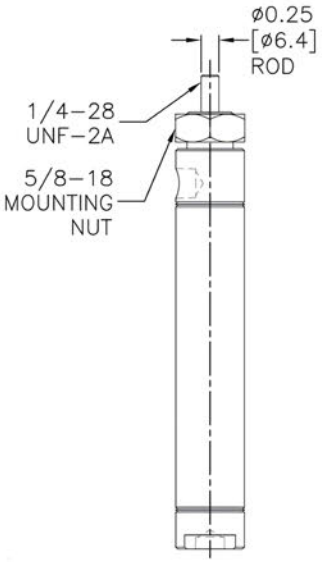
Specifications	
304 SS cylinder body	0.60 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	Retract force at 100 psi= 55.1 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-14-28
See end of 7/8" bore section for Accessories.

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/8" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



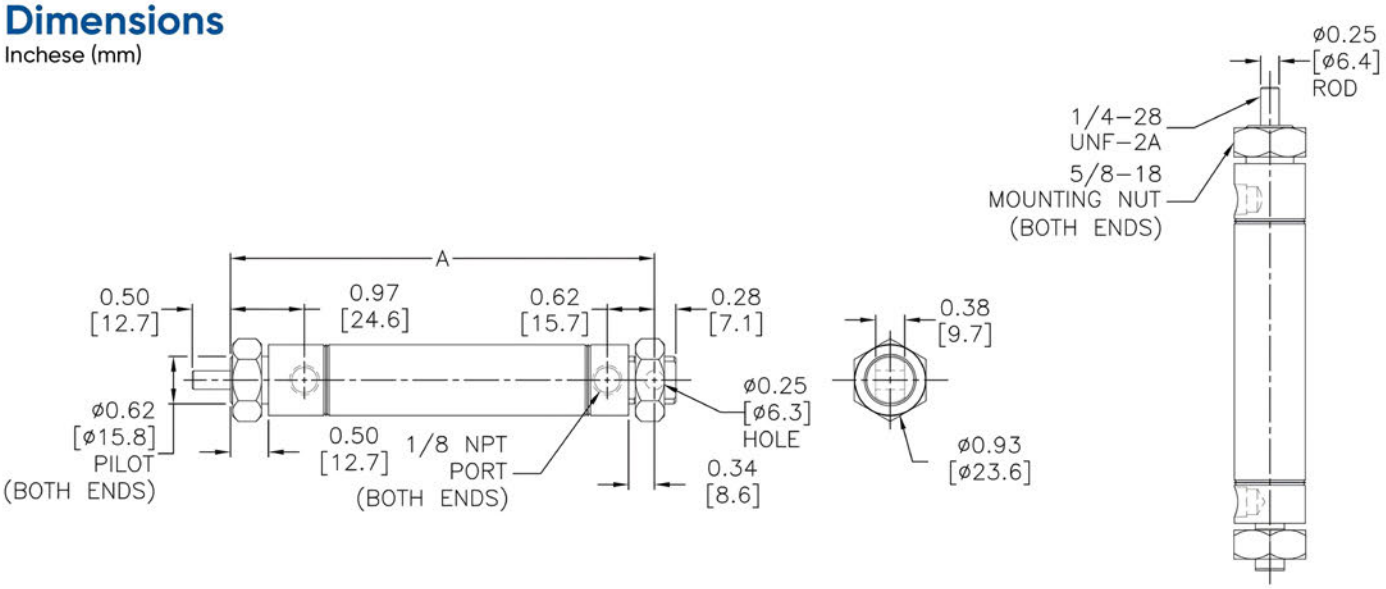
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V14010DD	1.0	4.56	0.4
V14020DD	2.0	5.56	0.4
V14030DD	3.0	6.56	0.4
V14040DD	4.0	7.56	0.4

Specifications	
304 SS cylinder body	0.60 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	Retract force at 100 psi= 55.1 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		APBP-3	-
Double End Mount	Front	AMB-6	AN-58-18*
	Rear	AMB-6	AN-58-18*

*(2)Nut included with cylinder
Cylinder rod clevis ARC-14-28
See end of 7/8" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

7/8" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
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- Cushion Quiet Bumpers Standard on All Models.



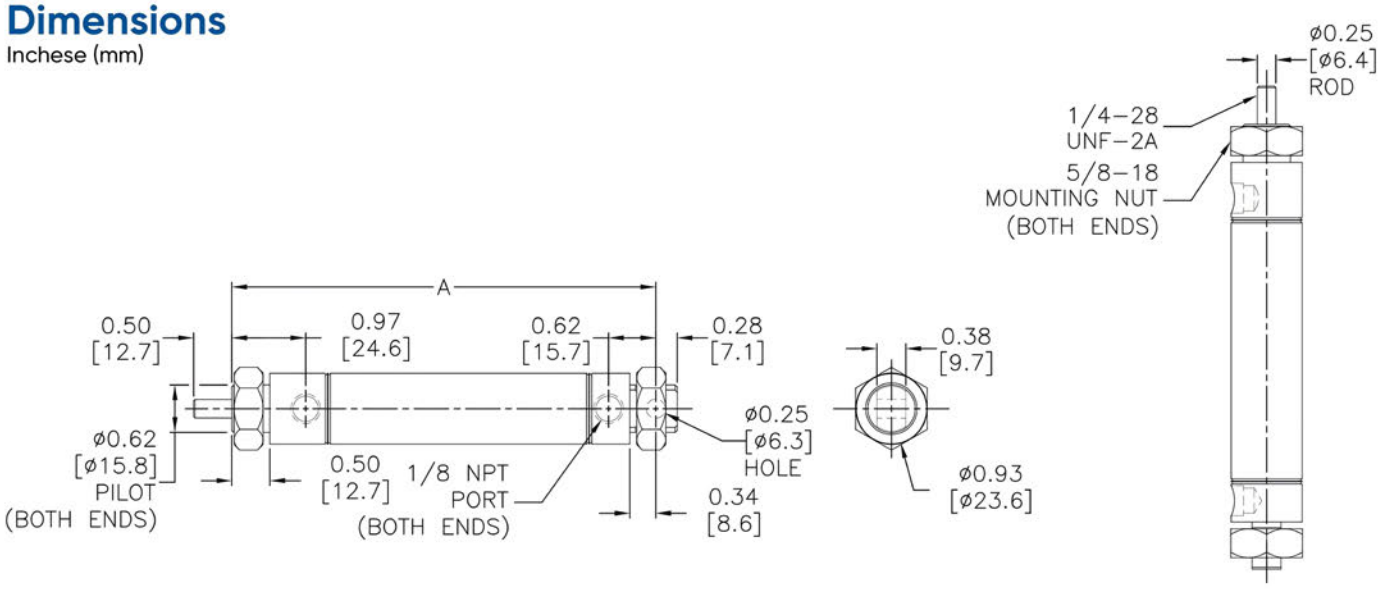
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V14010DD-M	1.0	4.56	0.4
V14020DD-M	2.0	5.56	0.4
V14030DD-M	3.0	6.56	0.4
V14030DD-M	4.0	7.56	0.4

Specifications	
304 SS cylinder body	0.60 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	Retract force at 100 psi = 55.1 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		APBP-3	-
Double End Mount	Front	AMB-6	AN-58-18*
	Rear	AMB-6	AN-58-18*

*(2) Nuts included with cylinder
Cylinder rod clevis ARC-14-28
See end of 7/8" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



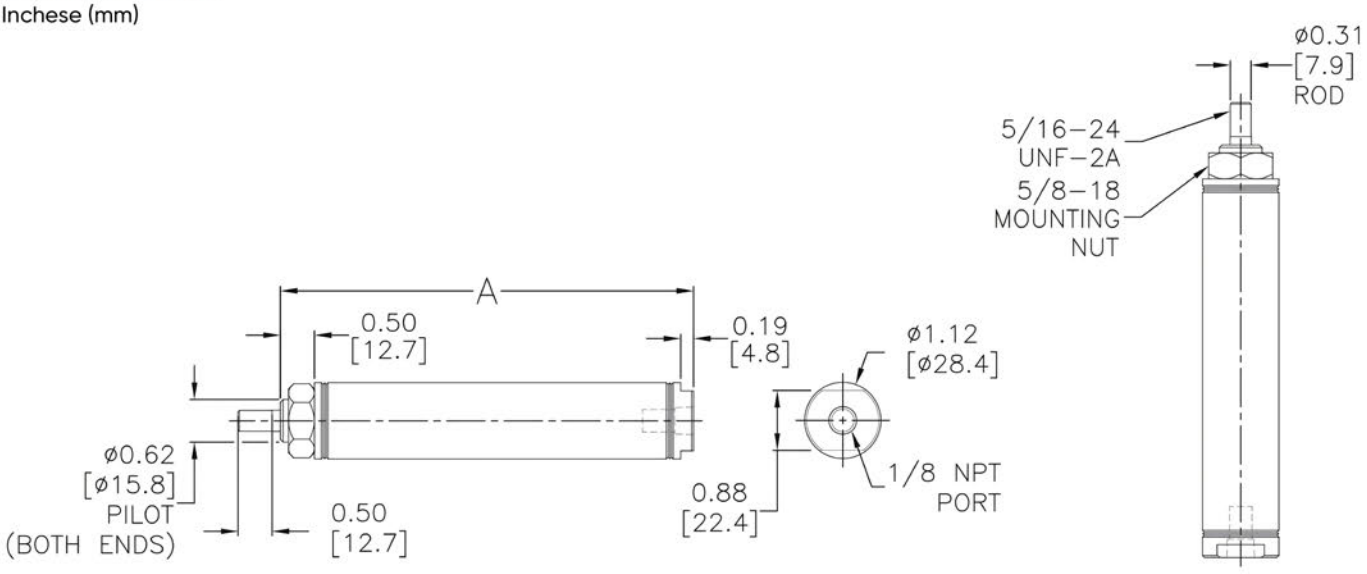
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V17010SN	1.0	3.5	0.3
V17020SN	2.0	5.06	0.5
V17030SN	3.0	6.62	0.6

304 SS cylinder body	0.90 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 90.0 lb.	Spring force =3 lb.relaxed, 6 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

* (1) Nut included with cylinder
Cylinder rod clevis ARC-516-24
See end of 1-1/16" bore section for Accessories

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



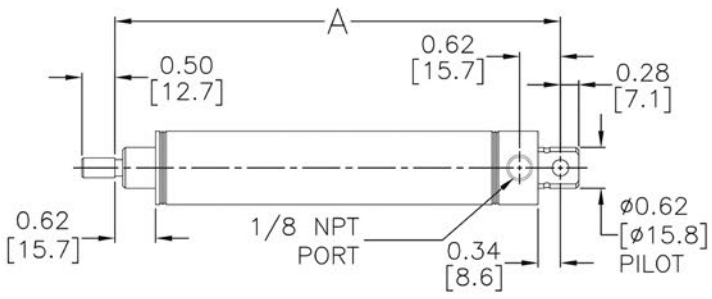
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V17010SP	1.0	4.22	0.4
V17020SP	2.0	5.78	0.5
V17030SP	3.0	7.34	0.6

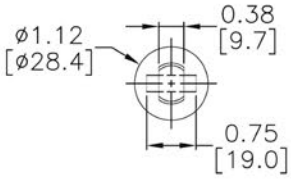
304 SS cylinder body	0.90 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 90.0 lb.	Spring force =3 lb.relaxed, 6 lb.compressed

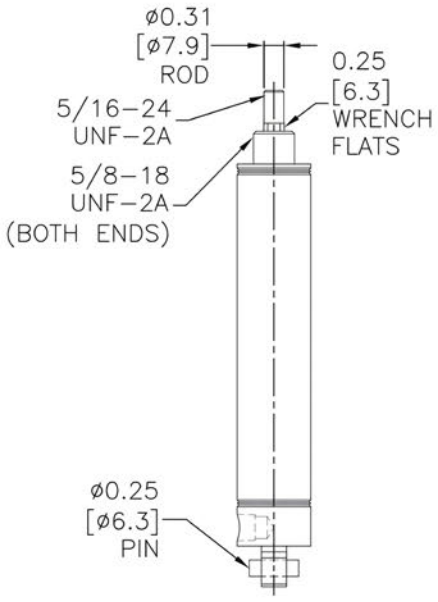
Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-2	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-516-24
See end of 1-1/16" bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

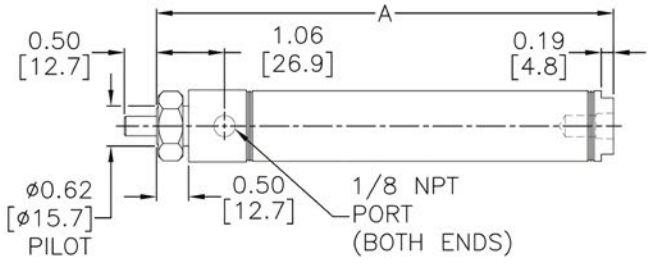


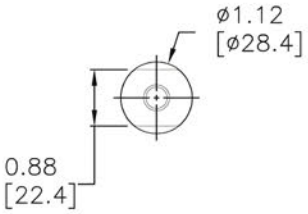
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V17005DN	0.5	3.62	0.4
V17010DN	1.0	4.12	0.4
V17020DN	2.0	5.12	0.4
V17030DN	3.0	6.12	0.5
V17040DN	4.0	7.12	0.5
V17050DN	5.0	8.12	0.6
V17060DN	6.0	9.12	0.6
V17080DN	8.0	11.12	0.7
V170100DN	10.0	13.12	0.8
V170120DN	12.0	15.12	0.9
Specifications			
304 SS cylinder body		0.90 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 90.0 lb.		Retract force at 100 psi= 82.3 lb.	

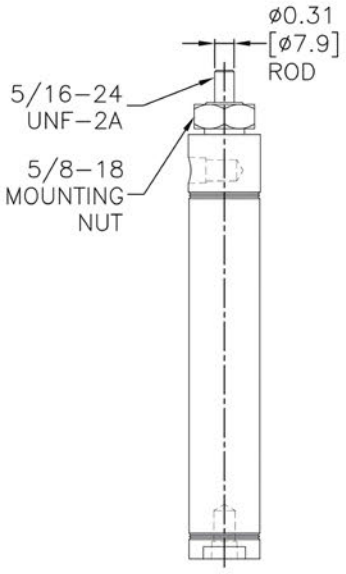
Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-516-24
See end of 1-1/16" bore section for Accessories

Dimensions
Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

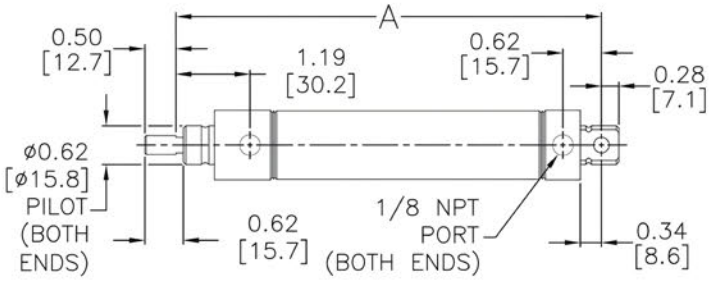


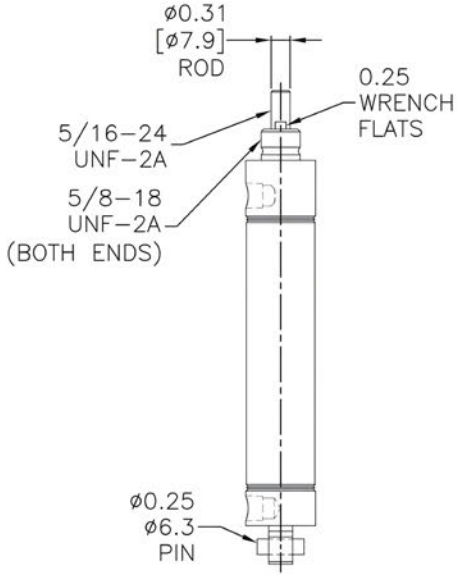
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V17010DP	1.0	4.84	0.4
V17020DP	2.0	5.84	0.4
V17030DP	3.0	6.84	0.5
V17040DP	4.0	7.84	0.5
V17050DP	5.0	8.84	0.6
V17060DP	6.0	9.84	0.6
V17080DP	8.0	11.84	0.7
V170100DP	10.0	13.84	0.8
V170120DP	12.0	15.84	0.9
Specifications			
304 SS cylinder body		0.90 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 90.0 lb.		Retract force at 100 psi= 82.3 lb.	

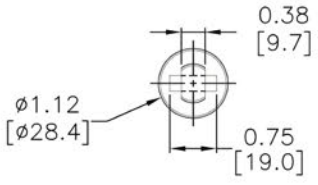
Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-2	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-516-24
See end of 1-1/16"bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/16" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



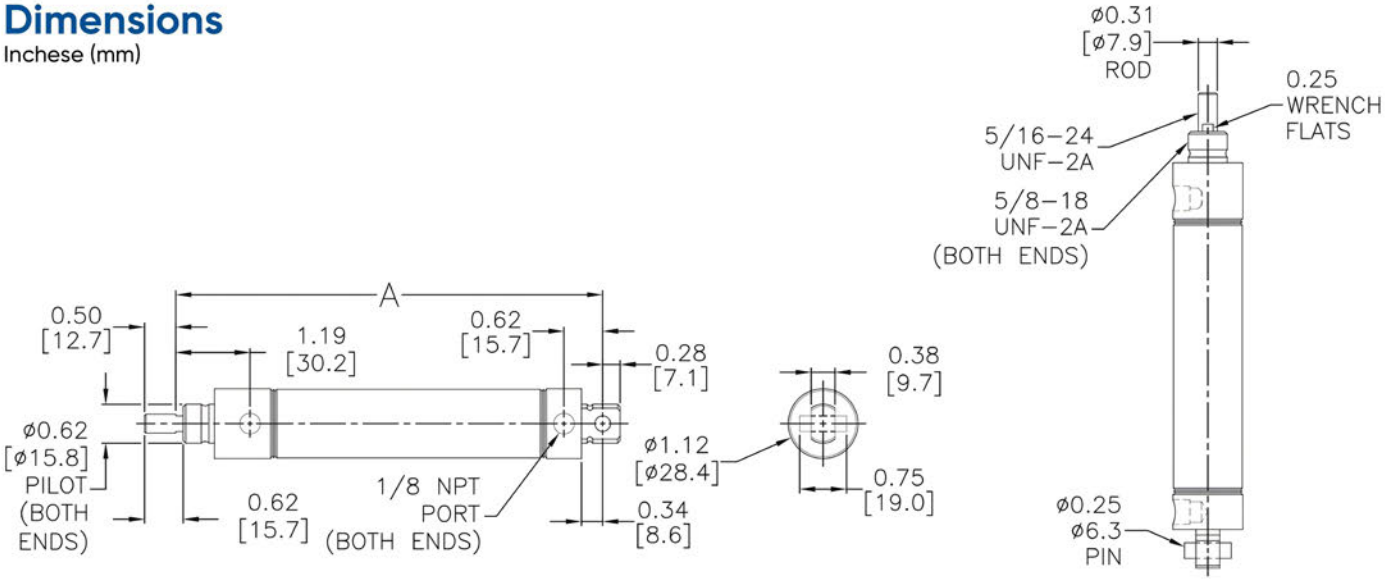
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V17010DP-M	1.0	4.84	0.4
V17020DP-M	2.0	5.84	0.4
V17030DP-M	3.0	6.84	0.5
V17040DP-M	4.0	7.84	0.5
V17050DP-M	5.0	8.84	0.6
V17060DP-M	6.0	9.84	0.6
V17080DP-M	8.0	11.84	0.7
V170100DP-M	10.0	13.84	0.8
V170120DP-M	12.0	15.84	0.9

Specifications	
304 SS cylinder body	0.90 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 90.0 lb.	Retract force at 100 psi= 82.3 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-6	AN-58-18
Rear Pivot Mount		APB-2	-
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

Cylinder rod clevis ARC-516-24
See end of 1-1/16"bore section for Accessories
Note: Drive pin out for double end mounting

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



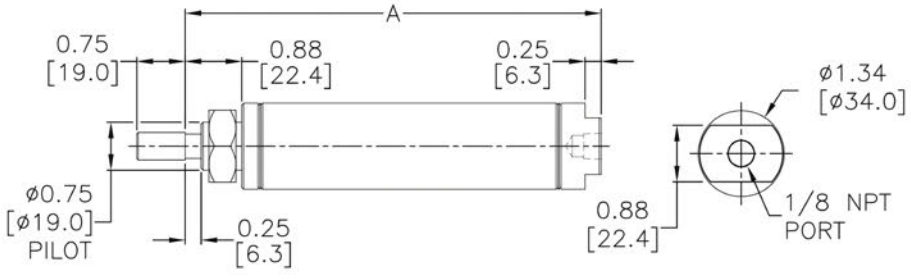
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V20010SN	1.0	4.47	0.6
V20020SN	2.0	6.28	0.8
V20030SN	3.0	8.09	1.0

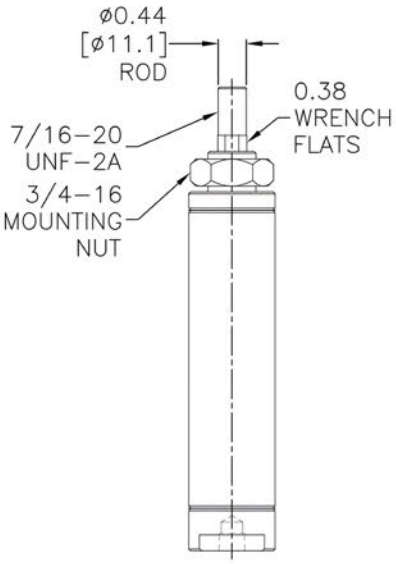
304 SS cylinder body	1.2 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 120.0 lb.	Spring force =7.5 lb.relaxed, 15 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1)Nut included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories.

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



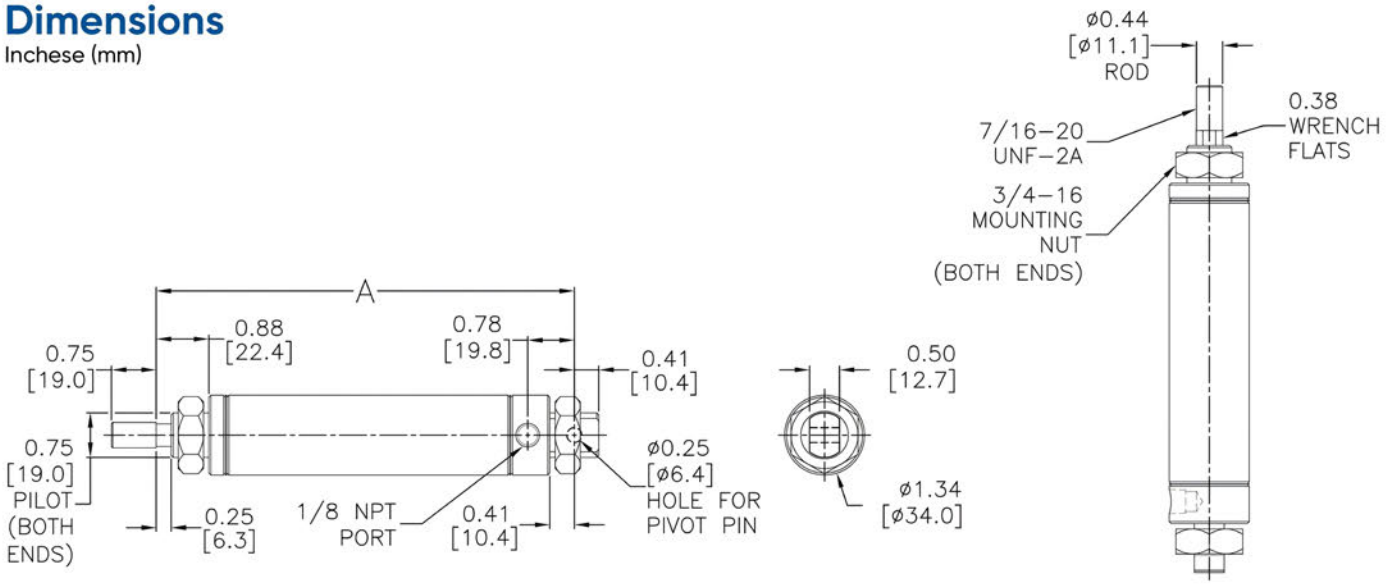
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V20010SD	1.0	5.19	0.7
V20020SD	2.0	7.00	1.0
V20030SD	3.0	8.84	1.2

304 SS cylinder body	1.2 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 120.0 lb.	Spring force =7.5 lb.relaxed, 15 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		APBP-4	-
Double End Mount	Front	AMB-7	AN-34-16*
	Rear	AMB-7	AN-34-16*

*(2)Nut included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/4" Bore Air Cylinders

- Ground and Roller Burnished 303 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

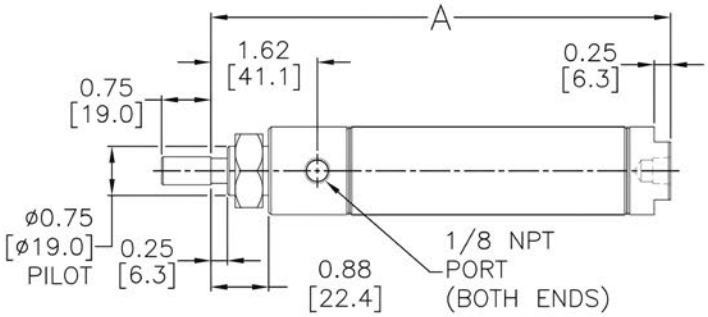


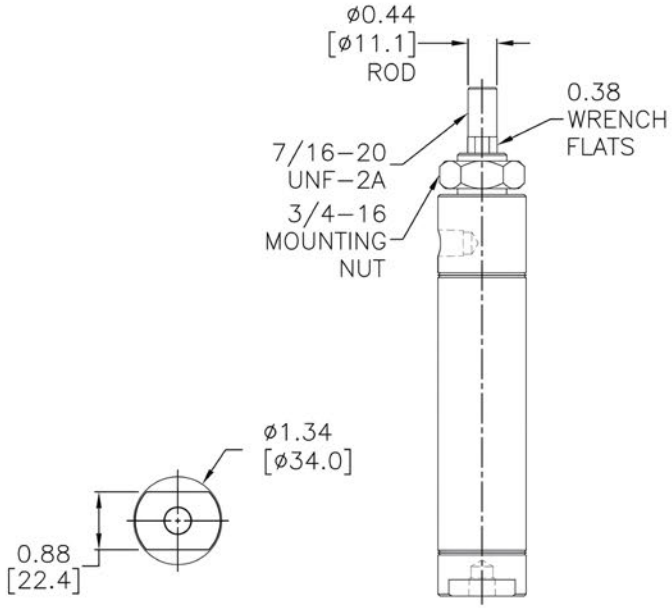
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V20010DN	1.0	5.00	0.7
V20020DN	2.0	6.00	0.7
V20030DN	3.0	7.00	0.8
V20040DN	4.0	8.00	0.9
V20050DN	5.0	9.00	1.0
V20060DN	6.0	10.00	1.1
V20080DN	8.0	12.00	1.2
Specifications			
304 SS cylinder body		1.2 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 120.0 lb.		Retract force at 100 psi = 105.0 lb.	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

* (1) Nut included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

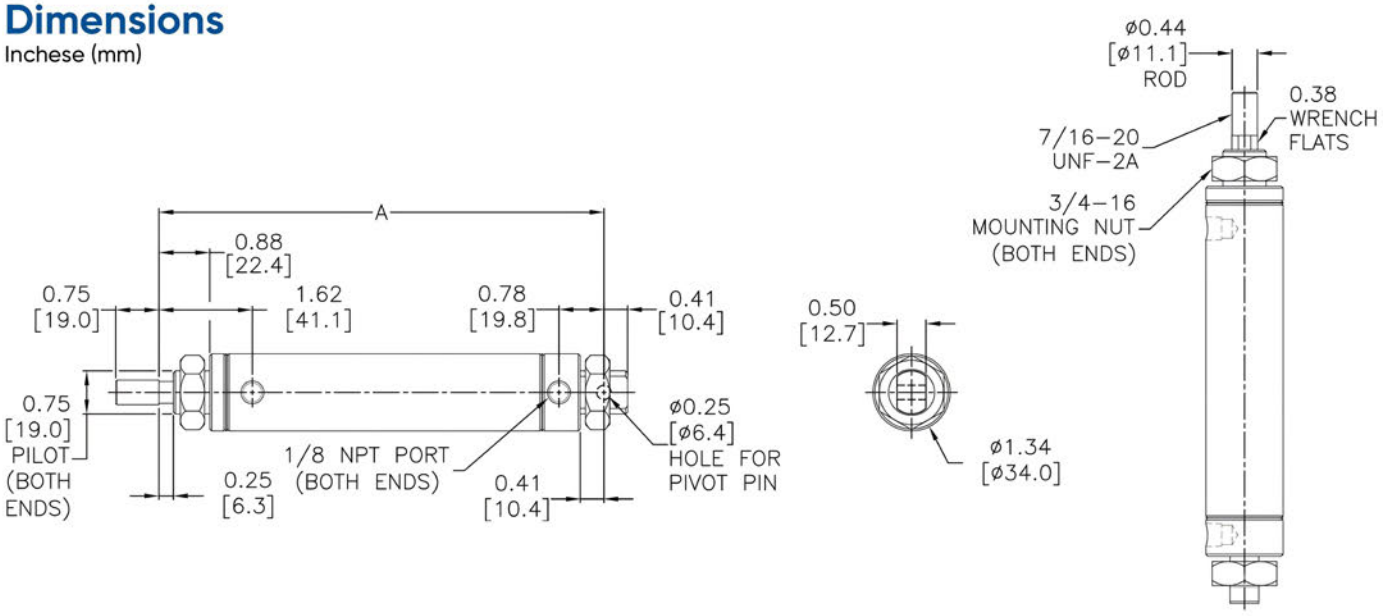


Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V20010DD	1.0	5.72	0.8
V20020DD	2.0	6.72	0.9
V20030DD	3.0	7.72	1.0
V20040DD	4.0	8.72	1.0
V20050DD	5.0	9.72	1.1
V20060DD	6.0	10.72	1.2
V20080DD	8.0	12.72	1.4
V20100DD	10.0	14.72	1.5
V20120DD	12.0	16.72	1.7
Specifications			
304 SS cylinder body		1.2 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 120.0 lb.		Retract force at 100 psi= 105.0 lb.	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		APBP-4	-
Double End Mount	Front	AMB-7	AN-34-16*
	Rear	AMB-7	AN-34-16*

*(2) Nuts included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/4" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

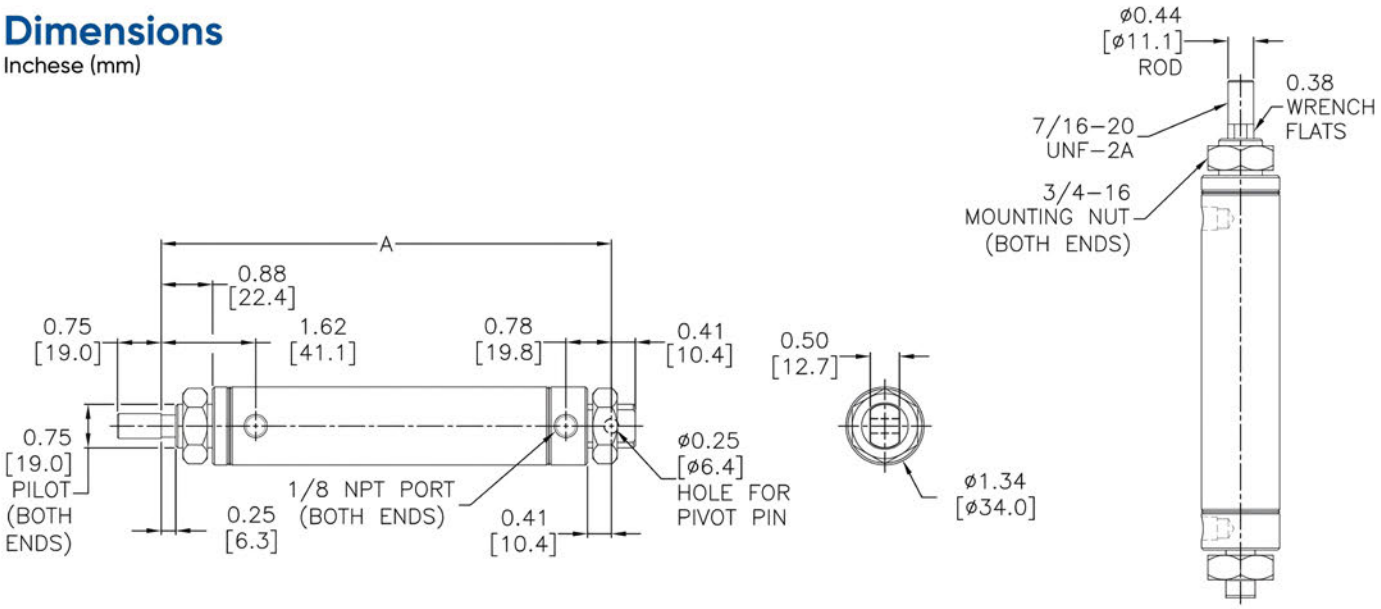


Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V20010DD-M	1.0	5.72	0.8
V20020DD-M	2.0	6.72	0.9
V20030DD-M	3.0	7.72	1.0
V20040DD-M	4.0	8.72	1.0
V20050DD-M	5.0	9.72	1.1
V20060DD-M	6.0	10.72	1.2
V20080DD-M	8.0	12.72	1.4
V20100DD-M	10.0	14.72	1.5
V20120DD-M	12.0	16.72	1.7
Specifications			
304 SS cylinder body		1.2 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 120.0 lb.		Retract force at 100 psi= 105.0 lb.	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		APBP-4	-
Double End Mount	Front	AMB-7	AN-34-16*
	Rear	AMB-7	AN-34-16*

*(2) Nuts included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



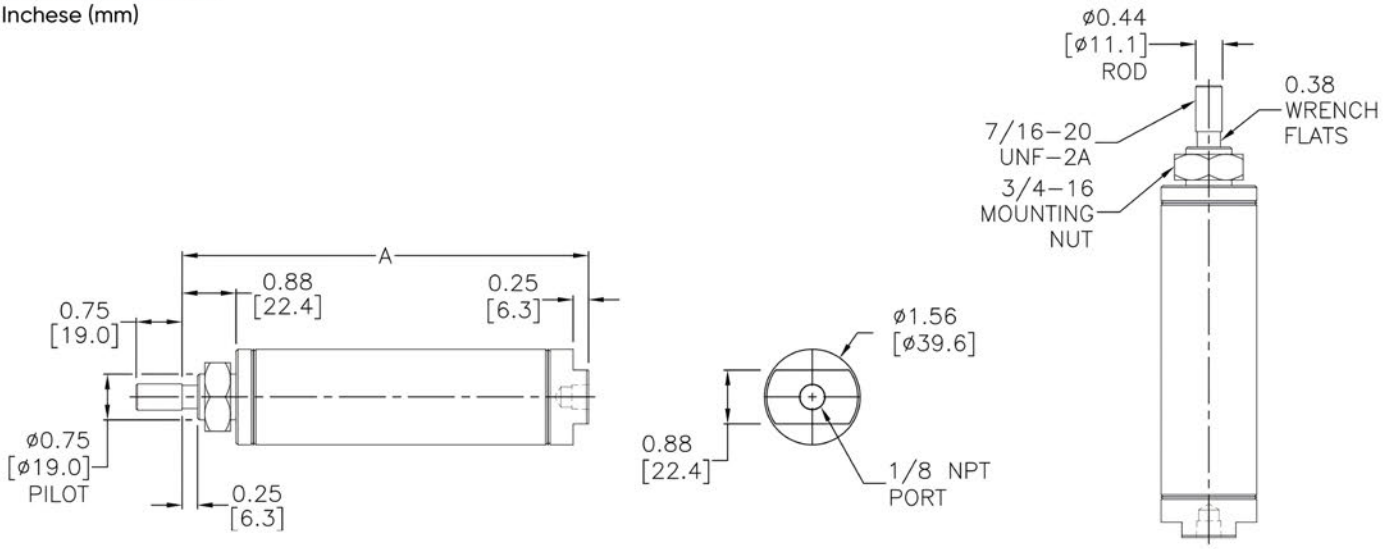
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V24010SN	1.0	4.13	0.7
V24020SN	2.0	5.82	0.9
V24030SN	3.0	7.51	1.1
V24040SN	4.0	9.20	1.3
V24050SN	5.0	10.89	1.5
V24060SN	6.0	12.58	1.8

Specifications	
304 SS cylinder body	1.7 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 170.0 lb.	Spring force =7.5 lb.relaxed, 14 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1) Nut included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/2" bore section for Accessories

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



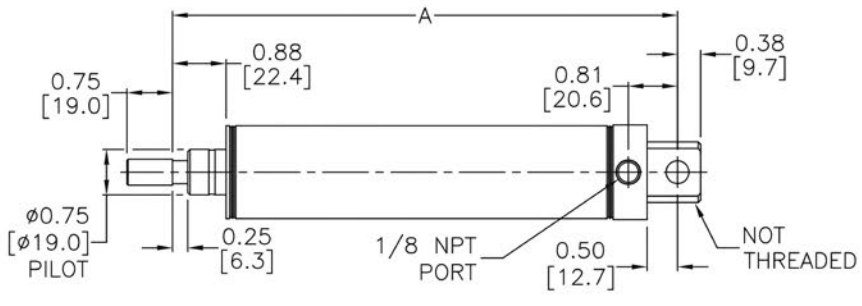
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V24010SP	1.0	4.81	0.7
V24020SP	2.0	6.5	0.9
V24030SP	3.0	8.19	1.1
V24040SP	4.0	9.88	1.3
V24050SP	5.0	11.57	1.6
V24060SP	6.0	13.26	1.8

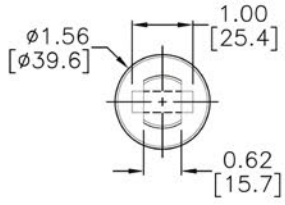
Specifications	
304 SS cylinder body	1.7 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 170.0 lb.	Spring force =7.5 lb.relaxed, 14 lb.compressed

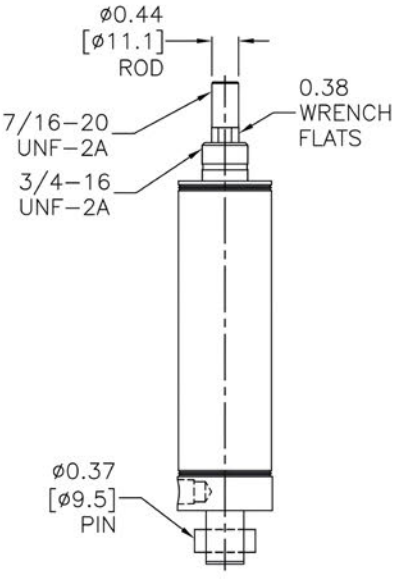
Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	-
Double End Mount	Front	-	-
	Rear	-	-

Cylinder rod clevis ARC-716-20
See end of 1-1/2" bore section for Accessories

Dimensions
Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

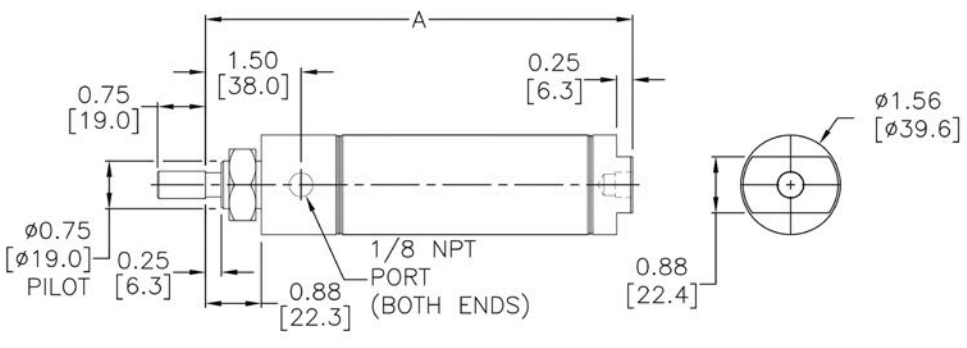


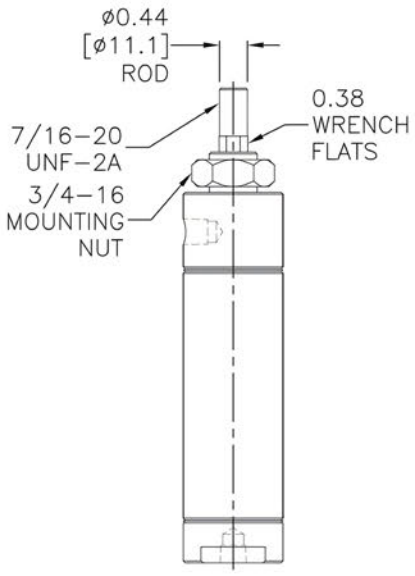
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V24010DN	1.0	4.69	0.8
V24015DN	1.5	5.19	0.8
V24020DN	2.0	5.69	0.9
V24030DN	3.0	6.69	0.9
V24040DN	4.0	7.69	1.0
V24050DN	5.0	8.69	1.1
V24060DN	6.0	9.69	1.2
V24070DN	7.0	10.69	1.3
V24080DN	8.0	11.69	1.3
V24090DN	9.0	12.69	1.4
V24100DN	10.0	13.69	1.5
V24110DN	11.0	14.69	1.6
V24120DN	12.0	15.69	1.7
Specifications			
304 SS cylinder body		1.7 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 170.0 lb.		Retract force at 100 psi = 155.0 lb.	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16*
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

*(1) Nut included with cylinder
Cylinder rod clevis ARC-716-20
See end of 1-1/2" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.

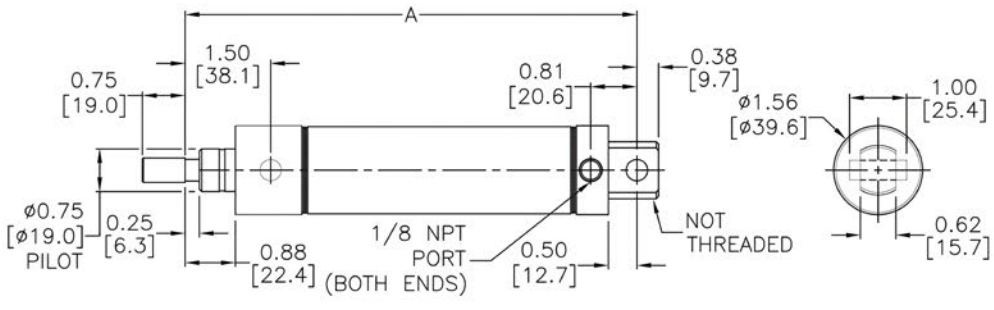


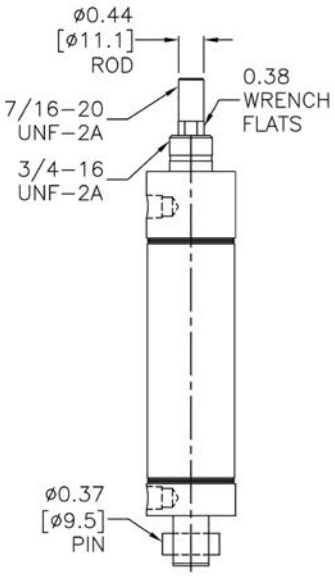
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V24010DP	1.0	5.38	0.8
V24020DP	2.0	6.38	0.9
V24030DP	3.0	7.38	1.0
V24040DP	4.0	8.38	1.1
V24050DP	5.0	9.38	1.1
V24060DP	6.0	10.38	1.2
V24070DP	7.0	11.38	1.3
V24080DP	8.0	12.38	1.4
V24090DP	9.0	13.38	1.5
V24100DP	10.0	14.38	1.5
V24120DP	12.0	16.38	1.7
Specifications			
304 SS cylinder body		1.7 sq. in. piston area	
High strength aluminum end caps		Pre-lubricated for maintenance-free life	
High-strength carbon-steel piston rod		Pressure rating 250 psi	
Low friction Buna-N seals		Temperature range -20°F to 200°F (-28 to 93°C)	
Extend force at 100 psi = 170.0 lb.		Retract force at 100 psi = 155.0 lb.	

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	-
Double End Mount	Front	-	-
	Rear	-	-

Cylinder rod clevis ARC-716-20
See end of 1-1/2" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

1-1/2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



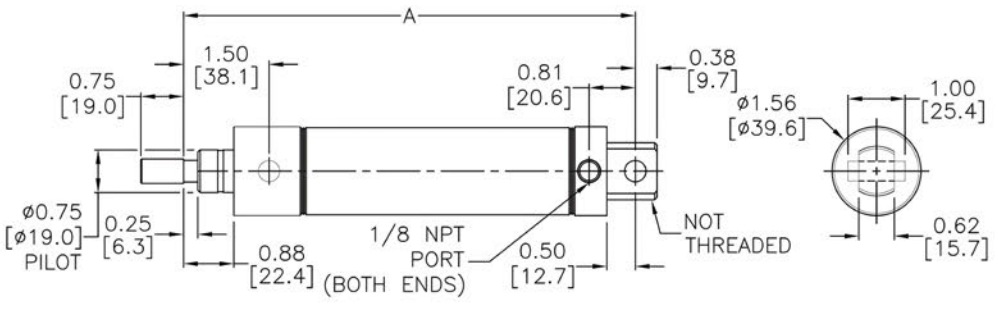
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V24010DP-M	1.0	5.38	0.8
V24020DP-M	2.0	6.38	0.9
V24030DP-M	3.0	7.38	1.0
V24040DP-M	4.0	8.38	1.1
V24050DP-M	5.0	9.38	1.1
V24060DP-M	6.0	10.38	1.2
V24070DP-M	7.0	11.38	1.3
V24080DP-M	8.0	12.38	1.4
V24090DP-M	9.0	13.38	1.5
V24100DP-M	10.0	14.38	1.5
V24120DP-M	12.0	16.38	1.7

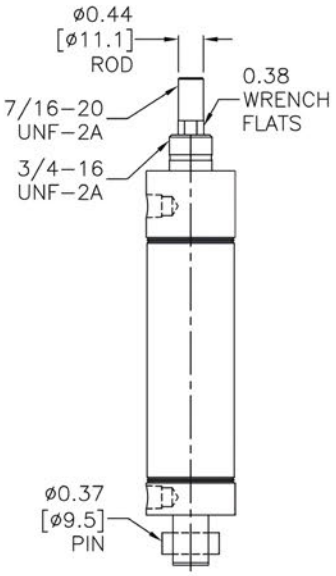
Specifications	
304 SS cylinder body	1.7 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 170.0 lb.	Retract force at 100 psi = 155.0 lb.

Mount Style		Bracket	Nut
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	-
Double End Mount	Front	-	-
	Rear	-	-

Cylinder rod clevis ARC-716-20
See end of 1-1/2" bore section for Accessories

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



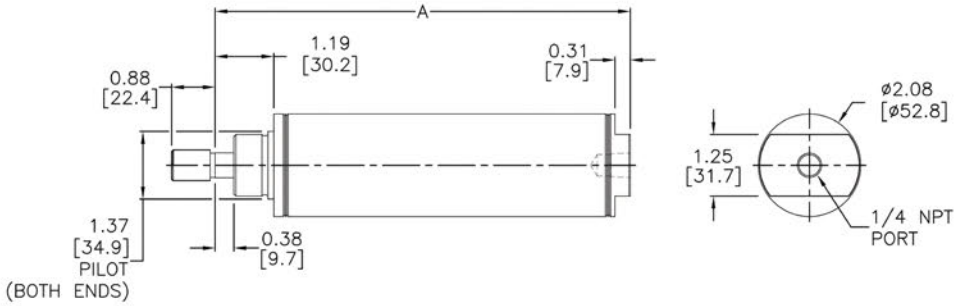
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V32010SN	1.0	5.41	1.5
V32020SN	2.0	7.41	1.9
V32030SN	3.0	8.66	2.3

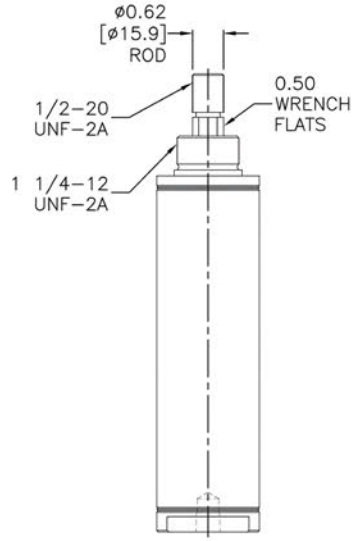
Specifications	
304 SS cylinder body	3.1 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 310.0 lb.	Spring force =15 lb.relaxed, 30 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

Cylinder rod clevis ARC-12-20
See end of 2" bore section for Accessories.

Dimensions
Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



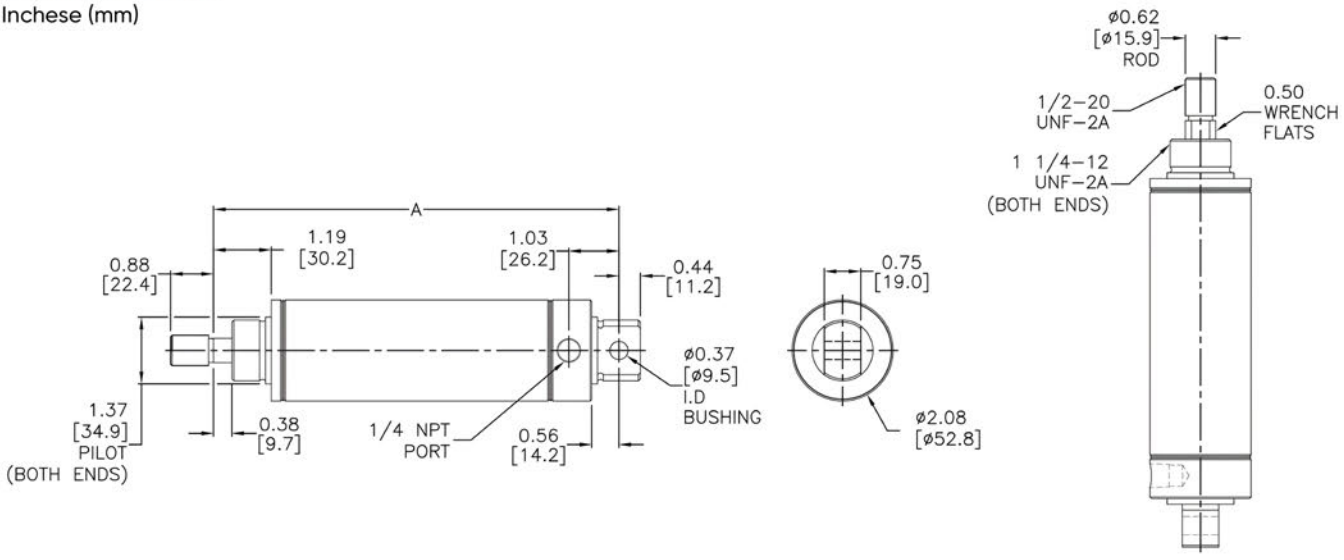
Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V32010SD	1.0	6.34	1.7
V32020SD	2.0	8.34	2.1
V32030SD	3.0	9.59	2.6

Specifications	
304 SS cylinder body	3.1 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 310.0 lb.	Spring force =15 lb.relaxed, 30 lb.compressed

Mount Style		Bracket	Nut
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

Cylinder rod clevis ARC-12-20
See end of 2" bore section for Accessories.

Dimensions
Inchese (mm)



Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V32010DN	1.0	5.69	1.6
V32020DN	2.0	6.69	1.7
V32030DN	3.0	7.69	1.9
V32040DN	4.0	8.69	2.0
V32050DN	5.0	9.69	2.2
V32060DN	6.0	10.69	2.3

Specifications	
304 SS cylinder body	3.1 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 310.0 lb.	Retract force at 100 psi = 279.3 lb.

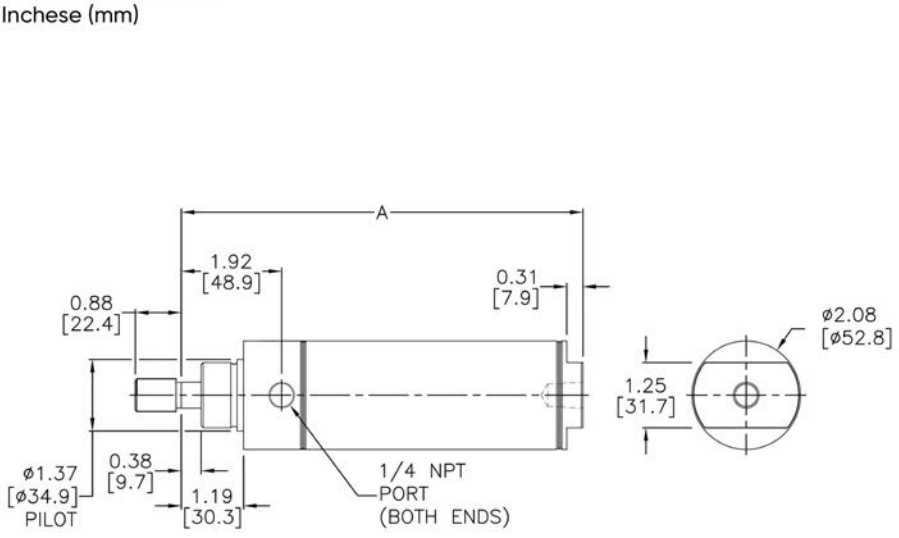
Mount Style		Bracket	Nut
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		-	-
Double End Mount	Front	-	-
	Rear	-	-

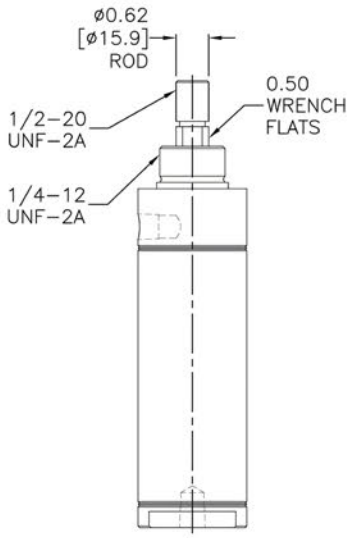
Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories.

Dimensions

Inchese (mm)





Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V32010DD	1.0	6.62	1.8
V32020DD	2.0	7.62	1.9
V32030DD	3.0	8.62	2.1
V32040DD	4.0	9.62	2.2
V32050DD	5.0	10.62	2.4
V32060DD	6.0	11.62	2.5
V32070DD	7.0	12.62	2.7
V32080DD	8.0	13.62	2.8
V32100DD	10.0	15.62	3.1
V32120DD	12.0	17.62	3.4
V32140DD	14.0	19.62	3.7
V32160DD	16.0	21.62	4.0
V32180DD	18.0	23.62	4.3

Specifications	
304 SS cylinder body	3.1 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 310.0 lb.	Retract force at 100 psi = 279.3 lb.

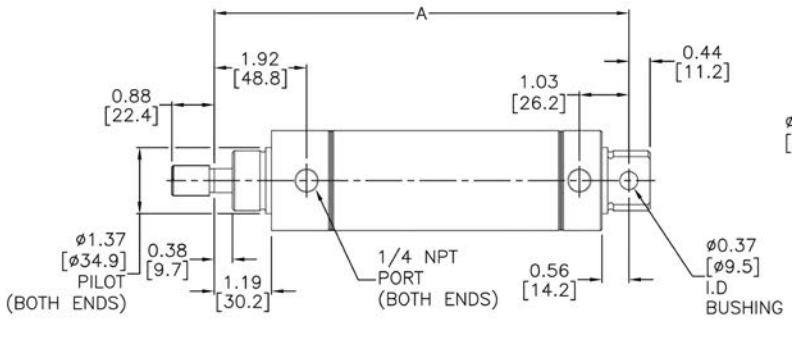
Mount Style		Bracket	Nut
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		APBP-5	-
Double End Mount	Front	AMB-11	AN-114-12
	Rear	AMB-11	AN-114-12

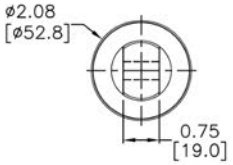
Cylinder rod clevis ARC-12-20

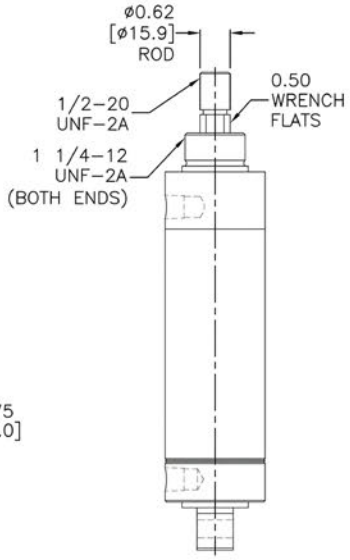
See end of 2" bore section for Accessories.

Dimensions

Inchese (mm)







Return Catalog

V Series
USA Round Line Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

2" Bore Air Cylinders

- Ground and Roller Burnished 304 Stainless Steel Piston Rod Standard.
- Force Exerted Approximately 0.07 of Air Line Pressure.
- Enclosed Spring Force: .5lb Relaxed - 1lb Compressed.
- Cushion Quiet Bumpers Standard on All Models.



Part Number	Stroke Length (in.)	"A" (in.)	Weight (lbs)
V32010DD-M	1.0	6.62	1.8
V32020DD-M	2.0	7.62	1.9
V32030DD-M	3.0	8.62	2.1
V32040DD-M	4.0	9.62	2.2
V32050DD-M	5.0	10.62	2.4
V32060DD-M	6.0	11.62	2.5
V32070DD-M	7.0	12.62	2.7
V32080DD-M	8.0	13.62	2.8
V32100DD-M	10.0	15.62	3.1
V32120DD-M	12.0	17.62	3.4
V32140DD-M	14.0	19.62	3.7
V32160DD-M	16.0	21.62	4.0
V32180DD-M	18.0	23.62	4.3

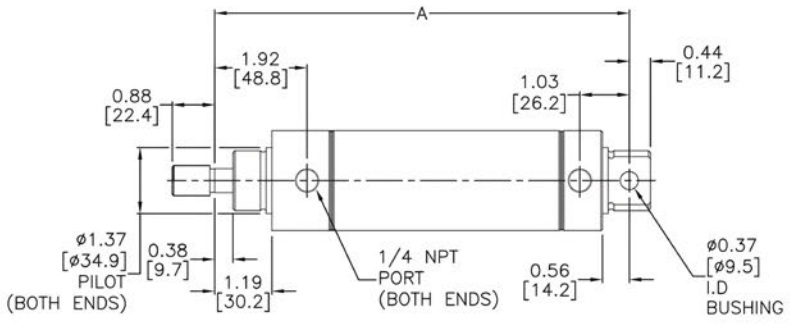
Specifications	
304 SS cylinder body	3.1 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 310.0 lb.	Retract force at 100 psi = 279.3 lb.

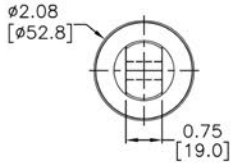
Mount Style		Bracket	Nut
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		APBP-5	-
Double End Mount	Front	AMB-11	AN-114-12
	Rear	AMB-11	AN-114-12

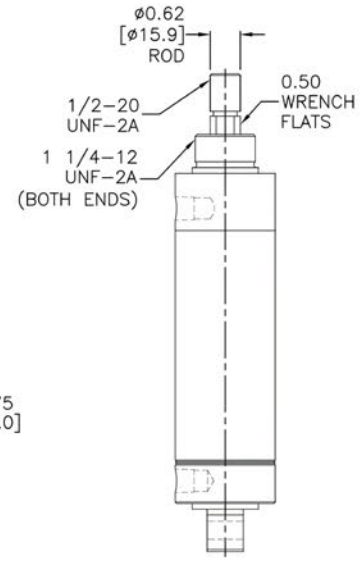
Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories.

Dimensions
Inchese (mm)







Return Catalog

DNV Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Innerstructure



Features
Economical DNV series cylinder features with thesame installation dimension as SI series, conforms toIS015552 standard.New design ofprofileandstructure, compact and energy saving.

Ordering Code

DNV(CP96)	63	50	10	S	LB	MT

Series

DNV: Economical standard cylinder



DNVD: Double-shaft



DNVJ: Double-shaftwith adjustable stroke



Bore

32
40
50
63
80
100
125

Stroke

25-1000 mm

Adjustable Stroke

10:10 mm
20:20 mm
30:30 mm
50:50 mm
75:75 mm
100:100 mm

Magnet

S: White Magnet

Blank: Without Magnet

Mountngs

Blank: Basic mounting

LB: Front and back mounting



FA: Front mounting flange
FB: Back mounting flange



CA: Back clevis (single earring)



CB: Back hinge (double earring)



YB: Back hinge



Sensor

D-Z73



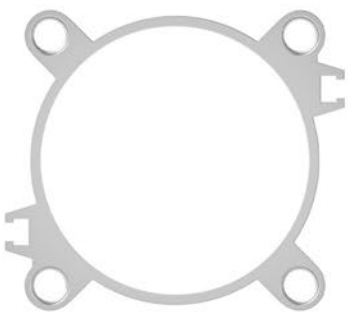
*Standard wire is 1 meter,please order for other length

※ Please contact with VILOP for special requirements.
※ All DNV series with magnetic.

Installational Dimension

All the dimension of DNV series are the sameas SI series.Please consult SI series foraccessories and sensor switch for applications.

Barrel of DNV Cylinder





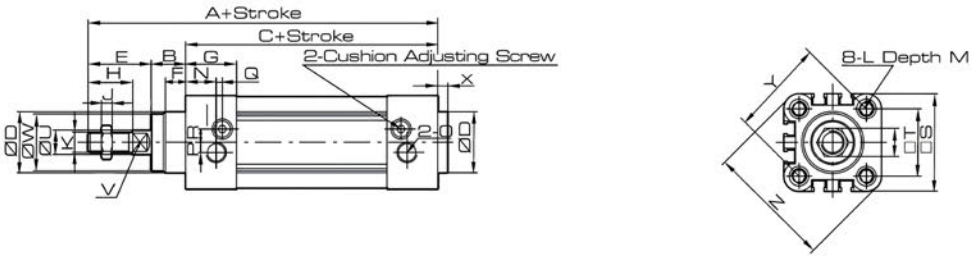
Return Catalog

DNV Series
Standard Cylinder

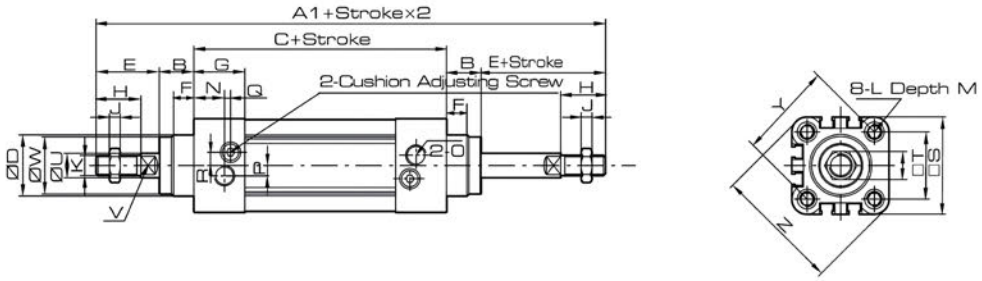
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

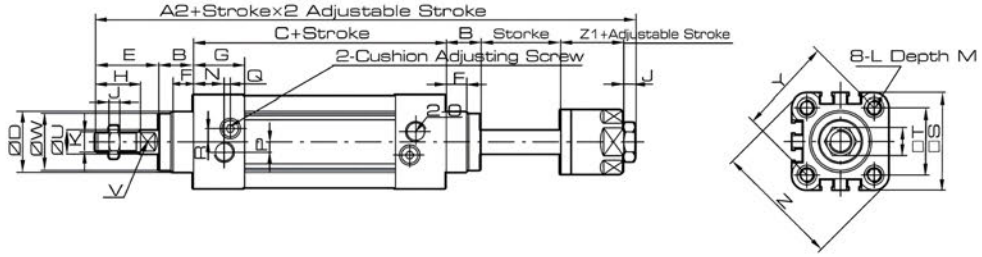
DNV



DNVD



DNVJ



Dimension

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	16	94	30	33	10	25	22	17	6	M10×1.25	M6
40	159	213	207	20	105	35	34	10	29.5	24	17	7	35	M6
50	175	244	233	27	106	40	42.5	10	32	32	23	8	40	M8
63	190	258	247	26	122	45	42	10	36	32	23	8	45	M8
80	214	301	288	35	126	45	53	10	37	40	26	10	45	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	55	M1
125	277	394	378	46	160	60	71	10	43.5	54	40	10	60	M12

Bore/Symbol	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
32	12	15	G1/8	5	3	6.5	45	32.5	12	10	28	4	46	58.7	21
40	12	17.5	G1/4	7	3	7	52	38	16	13	33	4	53.7	68	21
50	12	20	G1/4	7	3	9	65	46.5	20	17	38	4	65.8	84.5	23
63	12	22	G3/8	8	5	9	76	56.5	20	17	38	4	79.9	99.6	23
80	15	23	G3/8	10	5	12	94	72	25	22	43.5	5	101.8	123.8	29
100	15	26	G1/2	10	5	14	112	89	25	22	47	6	125.9	148.9	29
125	20	29	G1/2	10	5	14	134	110	32	27	53	7	156.9	179.6	40.5

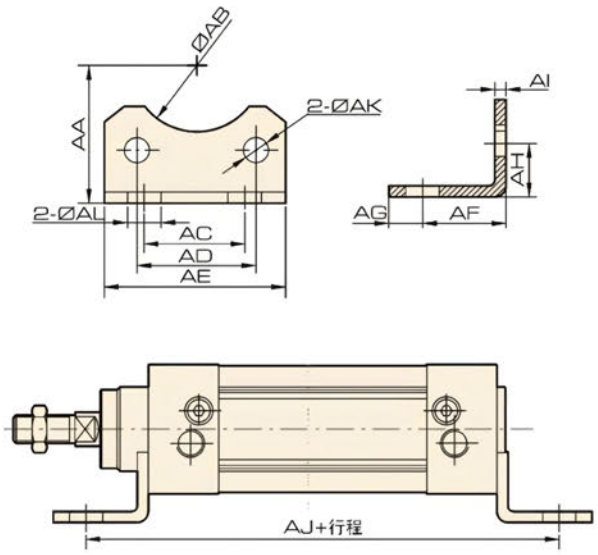
Return Catalog

DNV Series
Standard Cylinder Accessory

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

LB Foot

Overall Dimension

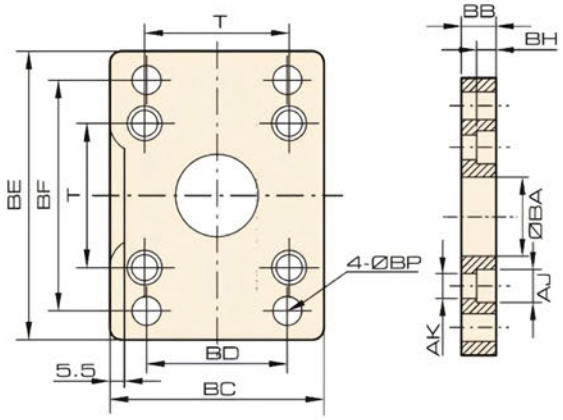


Dimension

Bore/Symbol	32	40	50	63	80	100	125
AA	32	36	45	50	63	71	90
AB	30	35	40	45	45	55	60
AC	32	36	45	50	63	75	90
AD	32.5	38	46.5	56.5	72	89	110
AE	45	52	65	75	95	115	140
AF	24	28	32	32	41	41	45
AG	11	8	15	13	14	16	18
AH	15.8	17	21.8	21.8	27	26.5	35
AI	4	4	5	5	6	6	7
AJ	142	161	170	186	208	219	250
AK	7	7	9	9	11	11	12.5
AL	7	10	10	10	12	14.5	16.5

FA/FB Flange

Overall Dimension



Dimension

Bore/Symbol	32	40	50	63	80	100	125
BA	30.3	35.3	40.3	45.3	45.3	55.3	60.3
BB	10	10	12	12	16	16	20
BC	45	52	65	76	94	112	140
BD	32	36	45	80	63	75	90
BE	80	90	110	120	150	175	224
BF	64	72	90	100	126	150	180
BH	6.5	6.5	8.5	8.5	10.5	10.5	15
AJ	10.5	10.5	13.5	13.5	16.5	16.5	19
AK	6.5	6.5	8.5	8.5	10.5	10.5	12.5
BP	7	9	9	9	12	14	16
T	32.5	38	46.5	56.5	72	89	110

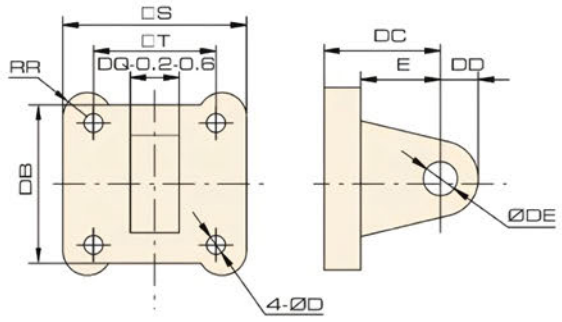
Return Catalog

DNV Series
Standard Cylinder Accessory

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

CA Hinge

Overall Dimension

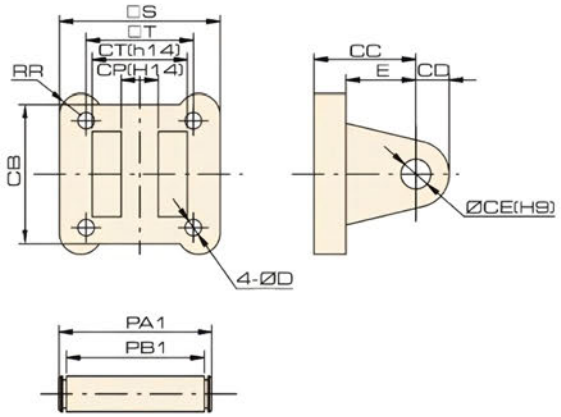


Dimension

Bore/Symbol	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
RR	6.5	6.5	9	9.5	11	11.5	12
DB	34	41	54	65	83	101	123
DC	22	25	27	32	36	41	50
DD	10	11	13	16	16	20	25
DE	10	12	12	16	16	20	25
DQ	26	28	32	40	50	60	70
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30

CB Hinge

Overall Dimension

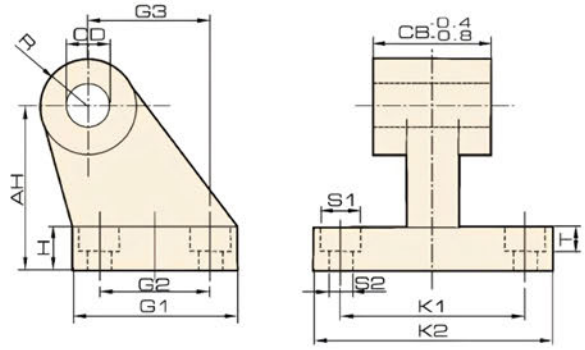


Dimension

Bore/Symbol	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30
RR	6.5	6.5	9	9.5	11	11.5	12
CB	34	41	54	65	83	101	123
CC	22	25	27	32	36	41	50
CD	10	11	13	16	46	20	25
CE	10	12	12	16	16	20	25
CP	26	28	32	40	50	60	70
CT	45	52	60	70	90	110	120
PA1	53	60	68	78	100	120	130
PB1	46.5	53.5	61.5	71.5	91.5	111.5	121.5

YB Hinge

Overall Dimension



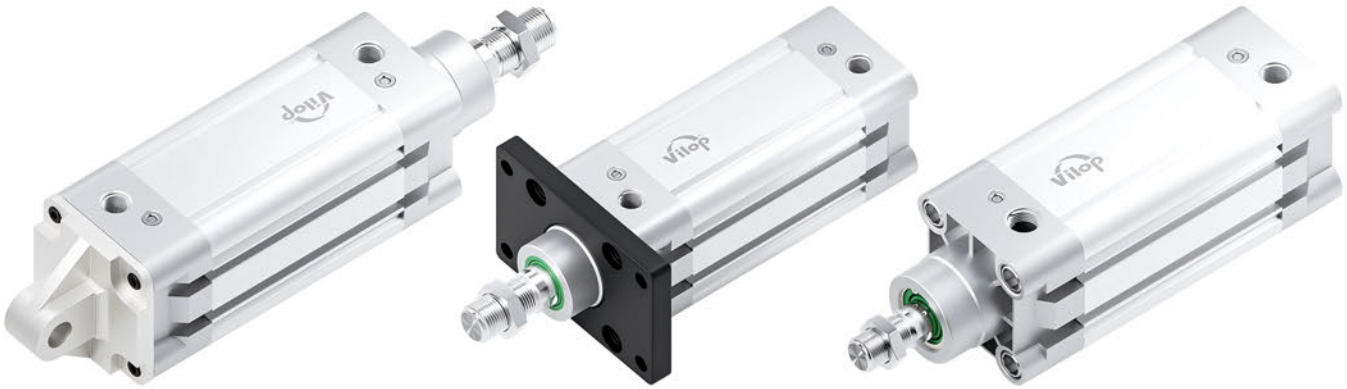
Dimension

Bore/Symbol	32	40	50	63	80	100
AH	32	36	45	50	63	71
H	8	10	12	12	14	15
CD	10	12	12	16	16	20
G1	32	35	45	50	60	70
G2	18	22	30	35	40	50
G3	21	24	33	37	47	55
CB	26	28	32	40	50	60
K1	38	41	50	52	66	76
K2	51	54	65	67	86	96
S2	6.6	6.6	9	9	11	11
R	10	11	13	15	15	19

Return Catalog

DNC Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series



Ordering Code

DNC	D	50	100	10	S	LB	MT
Series	Series Code	Bore	Stroke	Adjustable Stroke	Magnet	Mountngs	Sensor
DNC: ISO 15552 Standard cylinder 	Blank: Standard Double Acting	32		10:10 mm	S: White Magnet	Blank: Basic mounting	D-Z73 
	D: Double-shaft Double Acting 	40		20:20 mm	Blank: Without Magnet	LB: Front and back mounting 	*Standard wire is 1 meter,please order for other length
	J: Double-shaft with Adjustable Stroke 	50		30:30 mm		FA: Front mounting flange FB: Back mounting flange 	
		63		50:50 mm		CA: Back clevis (single earring) 	
		80		75:75 mm		CB: Back hinge (double earring) 	
		100		100:100 mm		YB: Back hinge 	
		125					

※ All DNC series standard cylinder with magnet.

Specification

Bore (mm)	32	40	50	63	80	100	125
Operation	Double Acting						
Working Medium	Air						
Mountings	Basic FA FB CA CB LB YB						
Operating Pressure Range	1~9.0 Kgf/cm²						
Proof Pressure	13.5 Kgf/cm²						
Operating Temperature Range	-20~70°C						
Operating Speed Range	50~800 mm/s						
Cushion	Adustable Cushion						
Adjustable Cushion Stroke	20 mm				26 mm		
Port Size	G1/8"	G1/4"		G3/8"		G1/2"	

Return Catalog

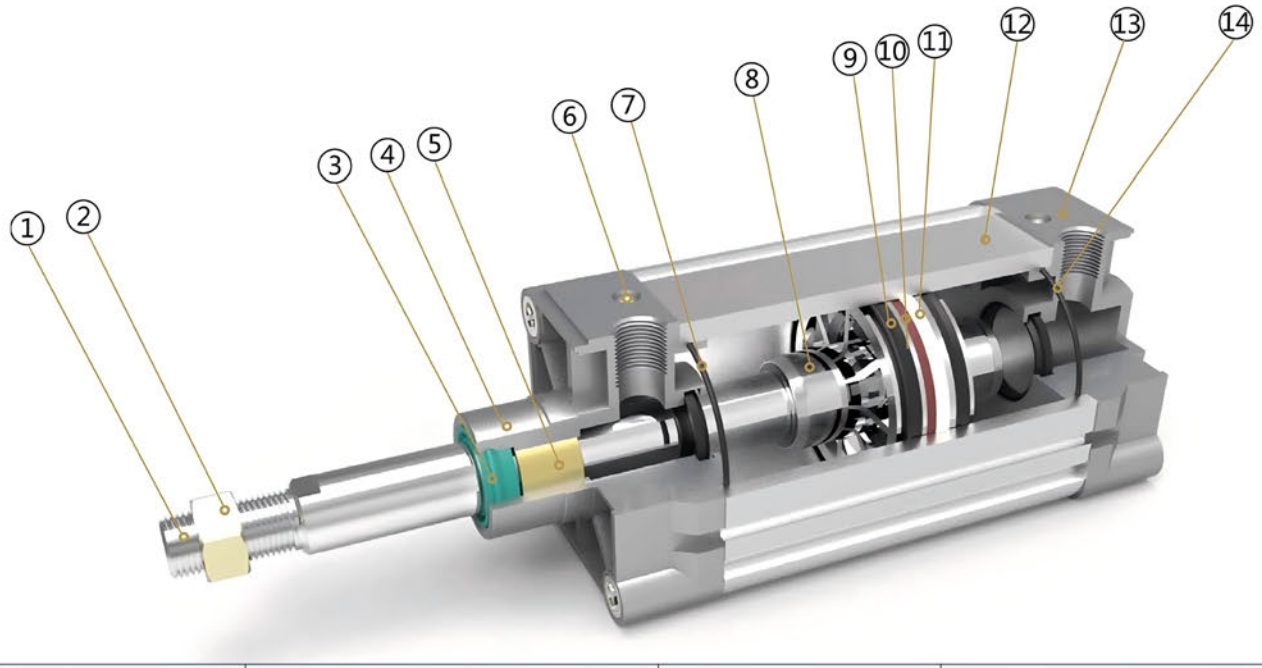
DNC Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Stroke

Bore	Standard Stroke	Max.Stroke	Allowable Stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

Internal Structure



Number	Name	Number	Name
1	Piston rod	8	Piston
2	Hexagon nut	9	Y ring
3	Shaft seal	10	Magnet
4	Front cover	11	Anti-friction ring
5	Copper tube	12	Barrel
6	Cushion adjust screw	13	Back cover
7	Cushion seal	14	O ring

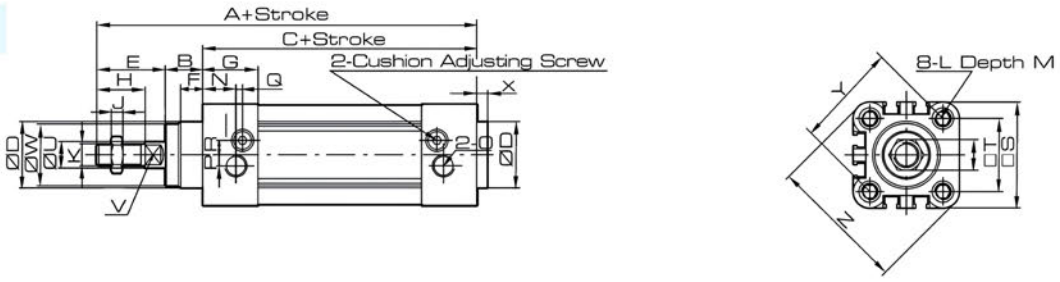
Return Catalog

DNC Series
Standard Cylinder

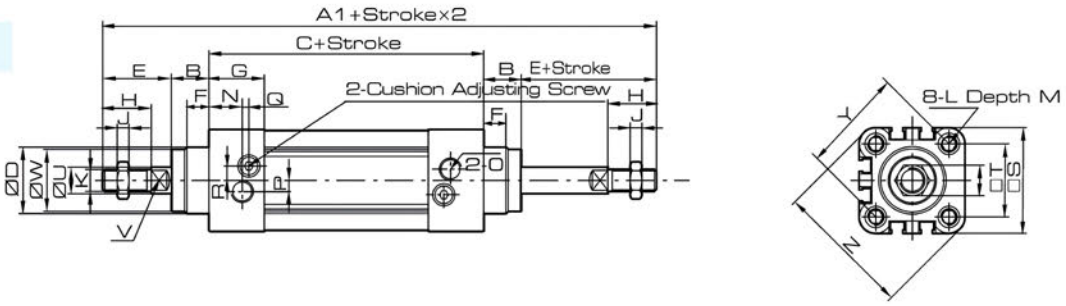
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

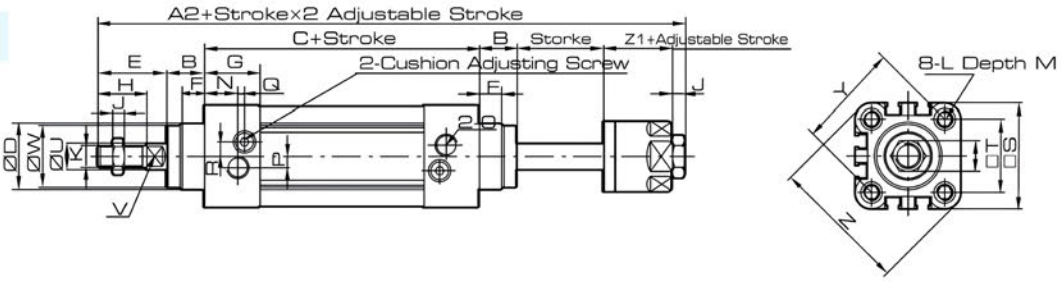
DNC



DNCD



DNCJ



Dimension

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	16	94	30	33	10	25	22	17	6	M10×1.25	M6
40	159	213	207	20	105	35	34	10	29.5	24	17	7	M12×1.25	M6
50	175	244	233	27	106	40	42.5	10	32	32	23	8	M16×1.5	M8
63	190	258	247	26	122	45	42	10	36	32	23	8	M16×1.5	M8
80	214	301	288	35	126	45	53	10	37	40	26	10	M20×1.5	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	M20×1.5	M10
125	277	394	378	46	160	60	71	10	43.5	54	40	10	M27×2	M12

Bore/Symbol	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
32	12	15	G1/8	5	3	6.5	45	32.5	12	10	28	4	46	58.7	21
40	12	17.5	G1/4	7	3	7	52	38	16	13	33	4	53.7	68	21
50	12	20	G1/4	7	3	9	65	46.5	20	17	38	4	65.8	84.5	23
63	12	22	G3/8	8	5	9	76	56.5	20	17	38	4	79.9	99.6	23
80	15	23	G3/8	10	5	12	94	72	25	22	43.5	5	101.8	123.8	29
100	15	26	G1/2	10	5	14	112	89	25	22	47	6	125.9	148.9	29
125	20	29	G1/2	10	5	14	134	110	32	27	53	7	156.9	179.6	40.5

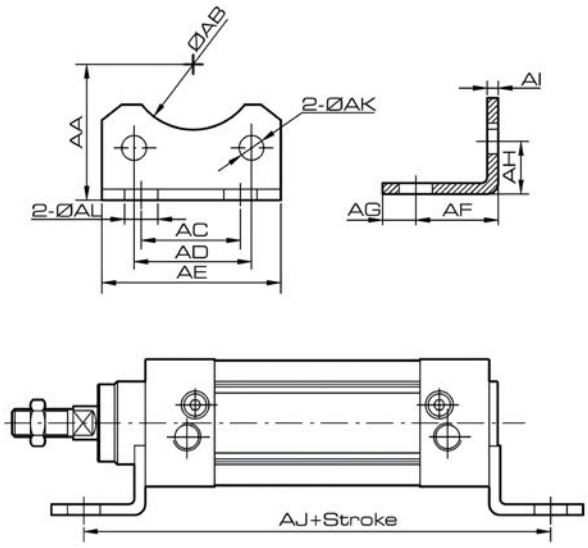
Return Catalog

DNC Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

LB Foot

Overall Dimension

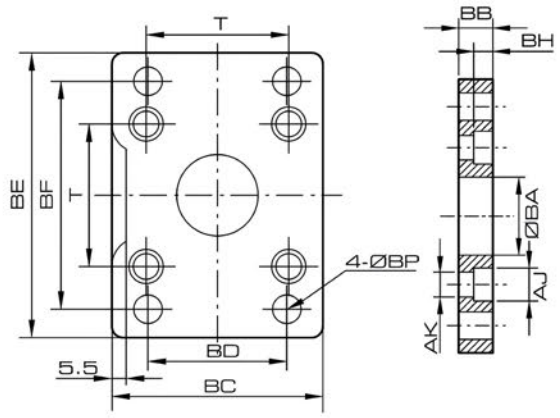


Dimension

Bore/Symbol	32	40	50	63	80	100	125
AA	32	36	45	50	63	71	90
AB	30	35	40	45	45	55	60
AC	32	36	45	50	63	75	90
AD	32.5	38	46.5	56.5	72	89	110
AE	45	52	65	75	95	115	140
AF	24	28	32	32	41	41	45
AG	11	8	15	13	14	16	18
AH	15.8	17	21.8	21.8	27	26.5	35
AI	4	4	5	5	6	6	8
AJ	142	161	170	185	210	220	250
AK	7	7	9	9	11	11	12.5
AL	7	10	10	10	12	14.5	16.5

FA/FB Flange

Overall Dimension



Dimension

Bore/Symbol	32	40	50	63	80	100	125
BA	30.3	35.3	40.3	45.3	45.3	55.3	60.3
BB	10	10	12	12	16	16	20
BC	45	52	65	76	94	112	140
BD	32	36	45	50	63	75	90
BE	80	90	110	120	150	175	224
BF	64	72	90	100	126	150	180
BH	6.5	6.5	8.5	8.5	10.5	10.5	15
AJ	10.5	10.5	13.5	13.5	16.5	16.5	19
AK	6.5	6.5	8.5	8.5	10.5	10.5	12.5
BP	7	9	9	9	12	14	16
T	32.5	38	46.5	56.5	72	89	110

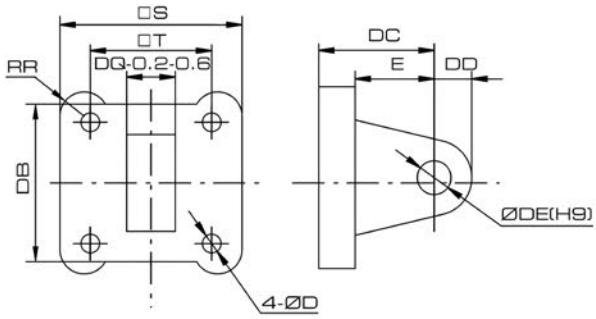
Return Catalog

DNC Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

CA Hinge

Overall Dimension

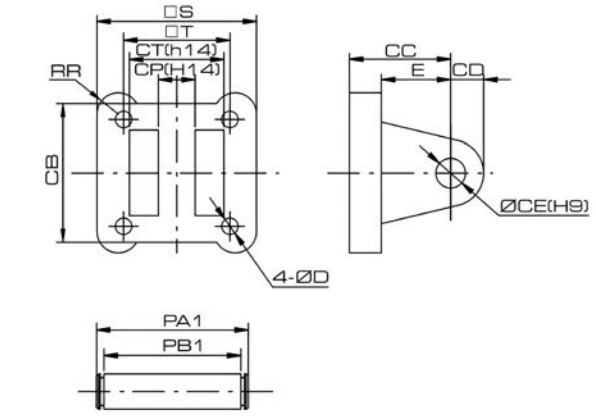


Dimension

Bore/Symbol	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
RR	6.5	6.5	9	9.5	11	11.5	12
DB	34	41	54	65	83	101	123
DC	22	25	27	32	36	41	50
DD	10	11	13	16	16	20	25
DE	10	12	12	16	16	20	25
DQ	26	28	32	40	50	60	70
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30

CB Hinge

Overall Dimension

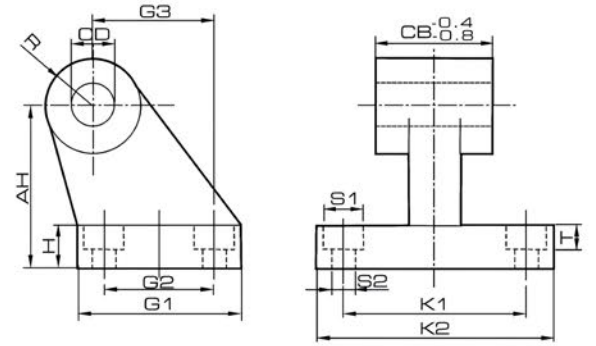


Dimension

Bore/Symbol	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30
RR	6.5	6.5	9	9.5	11	11.5	12
CB	34	41	54	65	83	101	123
CC	22	25	27	32	36	41	50
CD	10	11	13	16	46	20	25
CE	10	12	12	16	16	20	25
CP	26	28	32	40	50	60	70
CT	45	52	60	70	90	110	120
PA1	53	60	68	78	100	120	130
PB1	46.5	53.5	61.5	71.5	91.5	111.5	121.5

YB Hinge

Overall Dimension



Dimension

Bore/Symbol	32	40	50	63	80	100	125
AH	32	36	45	50	63	71	90
H	8	10	12	12	14	15	20
CD	10	12	12	16	16	20	25
G1	31	35	45	50	60	70	90
G2	18	22	30	35	40	50	60
G3	21	24	33	37	47	55	70
CB	26	28	32	40	50	60	70
K1	38	41	50	52	66	76	94
K2	51	54	65	67	86	96	124
S1	11	11	14	14	17	17	20
S2	6.6	6.6	9	9	11	11	14
T	1.6	1.6	1.6	1.6	2.5	2.5	3.2
R	10	11	13	15	15	19	22.5

Return Catalog

ADN Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Product Introduction



Features

- ADN series compact cylinder accord with ISO21287 standard.
- ADN series cylinder with compact structure, derived lotsof variety types, and wide range of applications.
- Both end use rubber gasket to absorb the remaining energyof the high speed movement and the machine cycle.
- Every ammsebly way has large number of accessories, so itis very sample.

Ordering Code

ADN	25	30	10	S	B	LB	MT

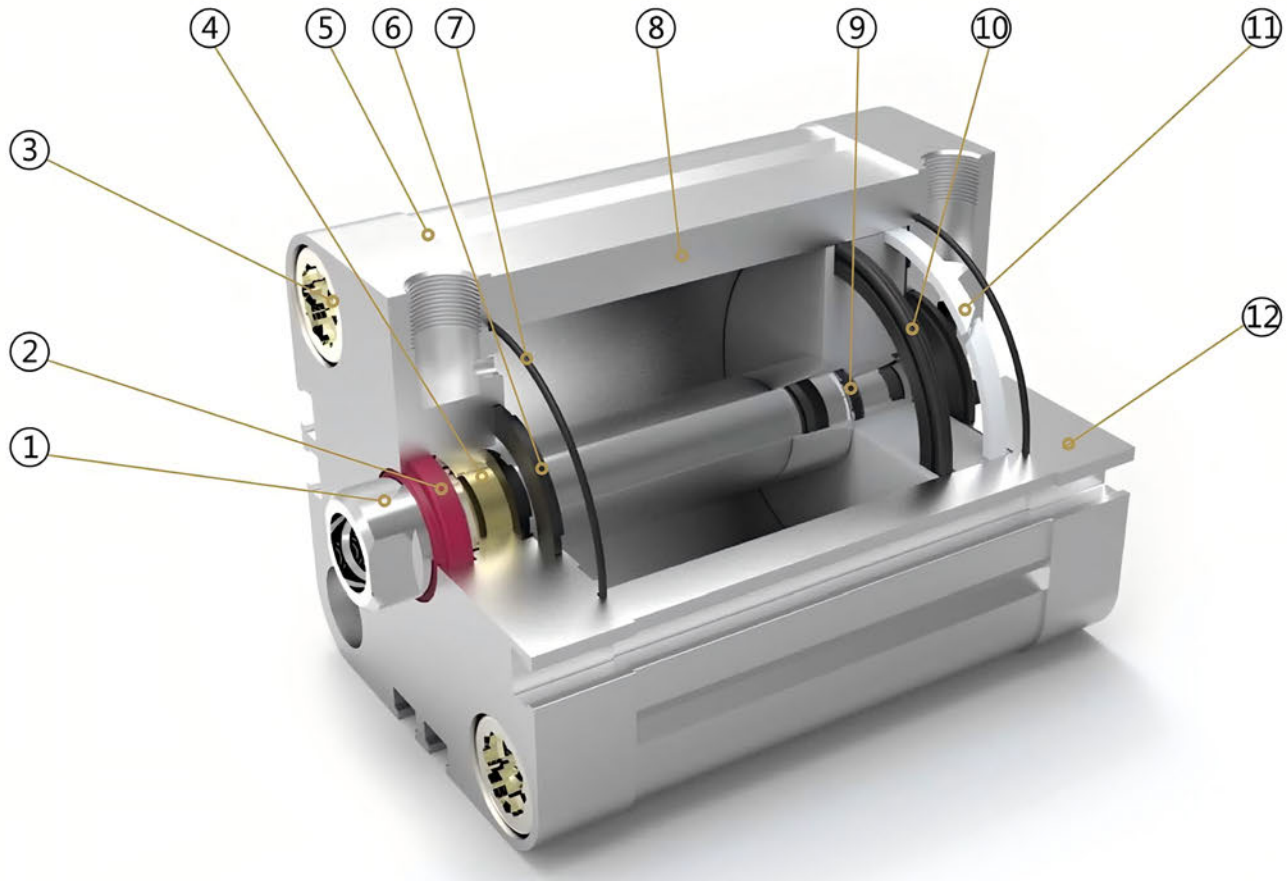
Series	Bore	Stroke	Adjustable Stroke	Magnet	Thread Type	Mountngs	Sensor
ADN: Double acting 	20	5-1000 mm	10:10 mm	S: White Magnet	Blank: Female thread 	Blank: Basic mounting	D-Z73 
ADND: Double-shaft type 	25		20:20 mm	Blank: Without Magnet	B: Male thread 	LB: Front and back mounting 	*Standard wire is 1 meter,please order for other length
ADNJ: Double-shaftwith adjustable stroke 	32		30:30 mm			FA: Front mounting flange FB: Back mounting flange 	
	40		50:50 mm			CA: Back clevis (single earring) 	
	50		75:75 mm			CB: Back hinge (double earring) 	
	63		100:100 mm			YB: Back hinge 	
	80						
	100						

Specification

Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Operating Pressure Range	0.1~1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20~70°C							
Operating Speed Range	30~500mm/s							
Port Size	M5×0.8		G1/8"					

Return Catalog

Internal Structure



Number	Name	Number	Name
1	Piston rod	7	O ring
2	Shaft seal	8	Barrel
3	Cover screw	9	O ring
4	DU bearing	10	Piston seal
5	Front cover	11	Anti-friction seal
6	Anti-collision gasket	12	Back cover

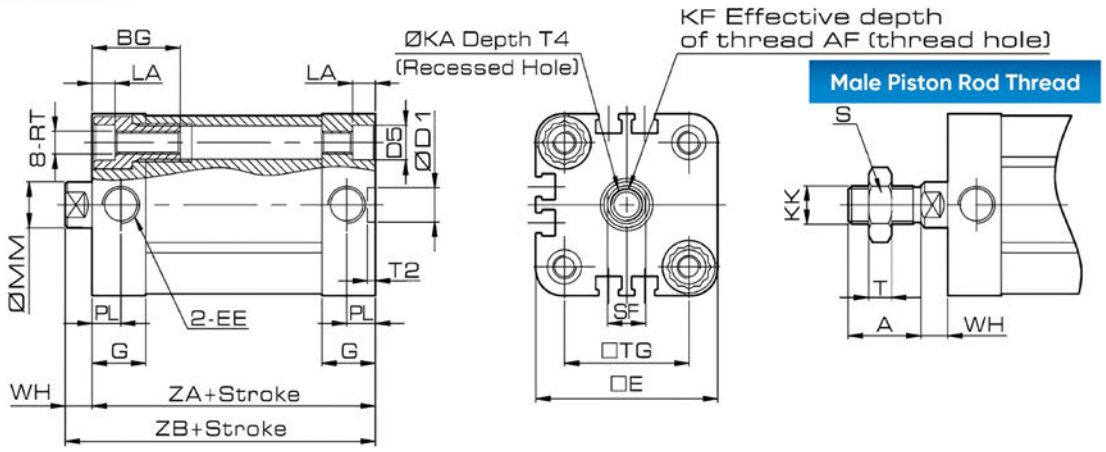
Return Catalog

ADN Series
Standard Cylinder

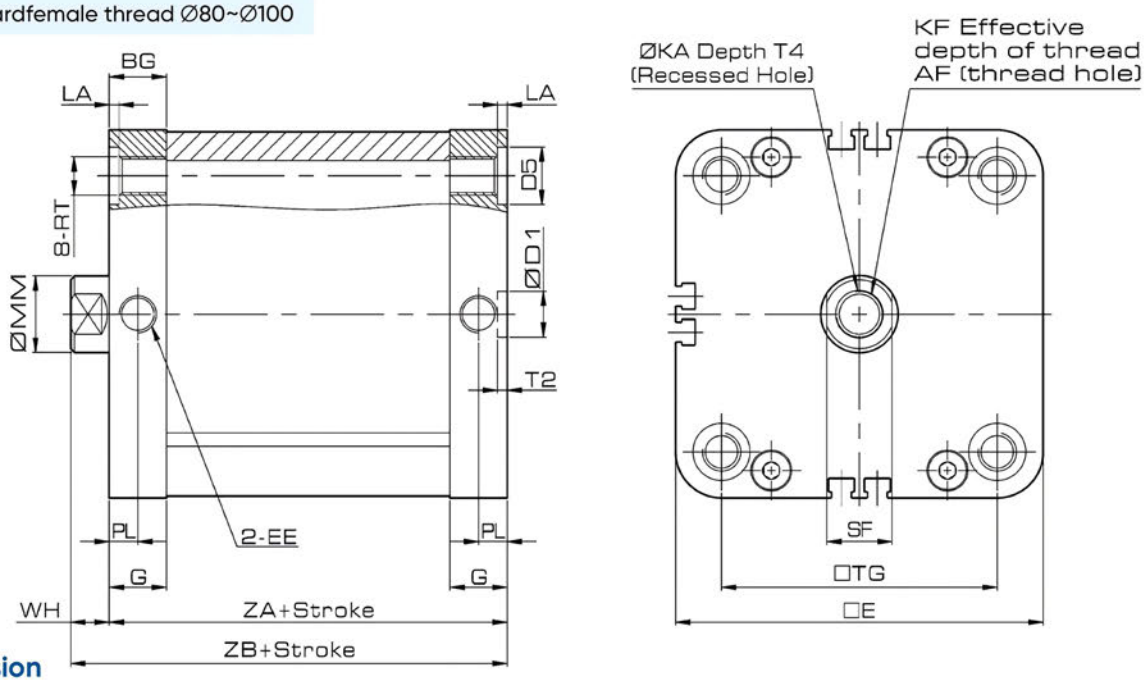
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

ADN Ø20~Ø100 Without magnet/With magnet

Overall Dimension Standardfemale thread Ø20~Ø63



Standardfemale thread Ø80~Ø100



Dimension

Bore/Symbol	Stroke Range(mm)	A	AF	BG Min.	D1	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25							40		11				
32		19	16	16			47.5	G1/8	14	8.5	M8×1.25	M10×1.25	
40							55						
50		22	20		12	12	66			10.5	M10×1.5	M12×1.25	
63							78.3						
80		28		17		-	96		15	12.5	M12×1.75	M16×1.5	-
100							116		21				

Bore/Symbol	MM	PL	RT	S	SF	T	T2	T4	TG	WH	ZA	ZB
20	10	5	M5×0.8	12	9	5	2.1	2.6	22	6	37	43
25									26		39	45
32	12	7.5	M6×1	17	10	6		3.3	32.5	7	44	51
40									38			52
50	16		M8×1.25		13	7	2.6	4.7	46.5	8	45	53
63									56.5		49	57
80	20		M10×1.5	23	17	8		6.1	72	10	54	64
100									89		67	77

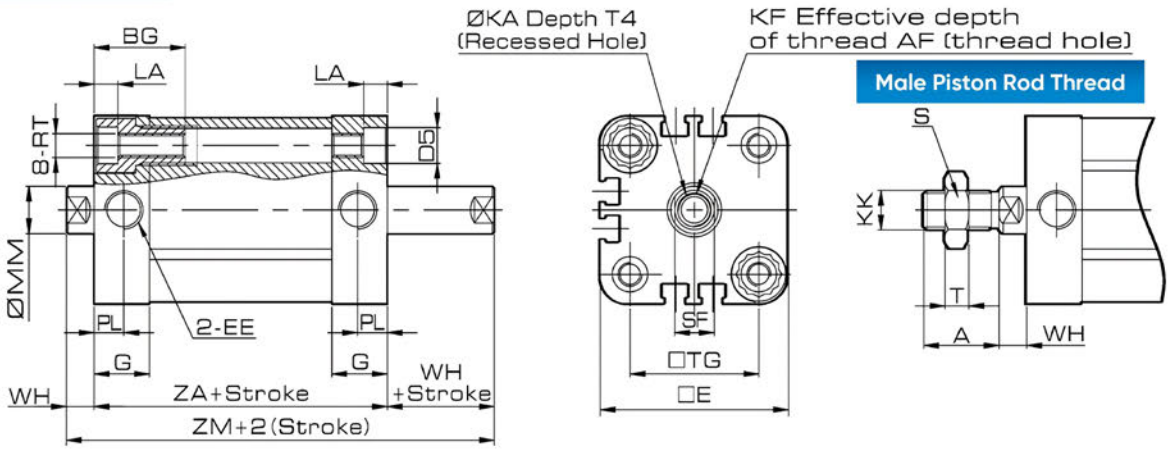
Return Catalog

ADN Series
Standard Cylinder

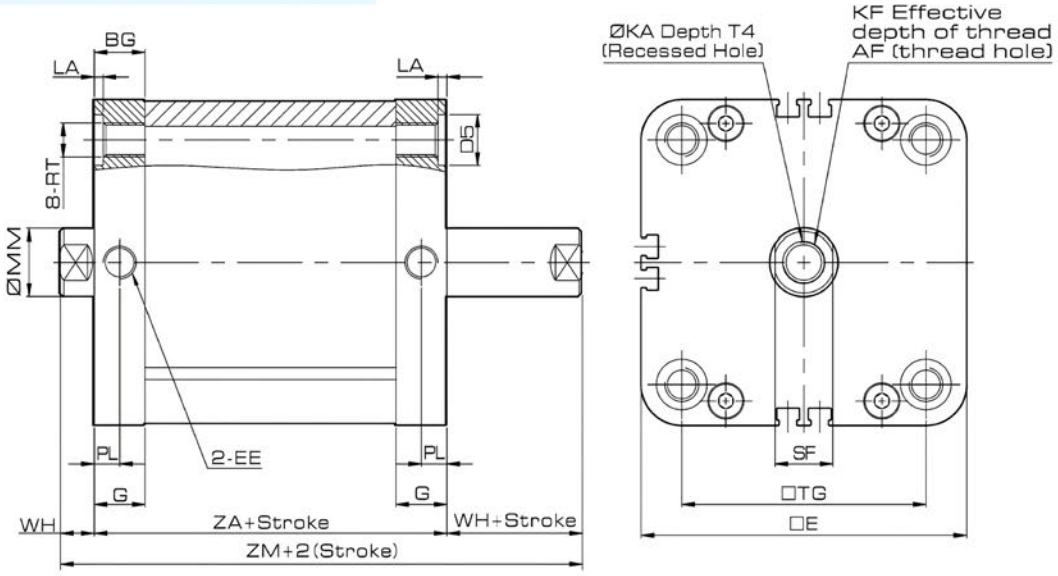
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

ADND Ø20~Ø100 Without magnet/With magnet

Overall Dimension Double shaftwith female thread Ø20~Ø63



Double shaftwith femalethread Ø80~Ø100



Dimension

Bore/Symbol	Stroke Range(mm)	A	AF	BG Min.	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25						40		11				
32		19	16	16		47.5	G1/8	14	8.5	M8×1.25	M10×1.25	
40						55						
50		22	20		12	66			10.5	M10×1.5	M12×1.25	
63						78.3						
80		28		17	-	96		15	12.5	M12×1.75	M16×1.5	-
100						116		21				

Bore/Symbol	MM	PL	RT	S	SF	T	T4	TG	WH	ZA	ZM
20	10	5	M5×0.8	12	9	5	2.6	22	6	37	43
25								26		39	45
32	12	7.5	M6×1	17	10	6	3.3	32.5	7	44	51
40								38			52
50	16		M8×1.25		13	7	4.7	46.5	8	45	53
63								56.5		49	57
80	20		M10×1.5	23	17	8	6.1	72	10	54	64
100								89		67	77

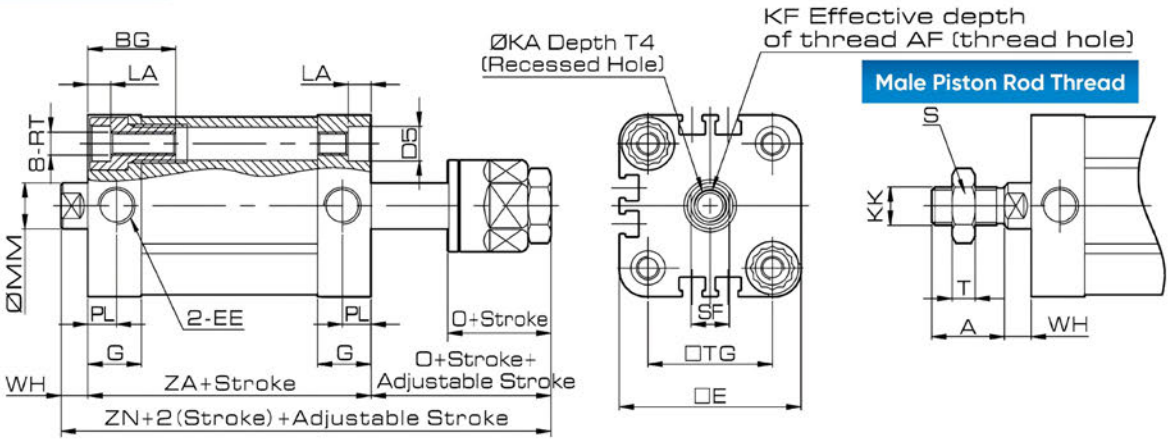
Return Catalog

ADN Series
Standard Cylinder

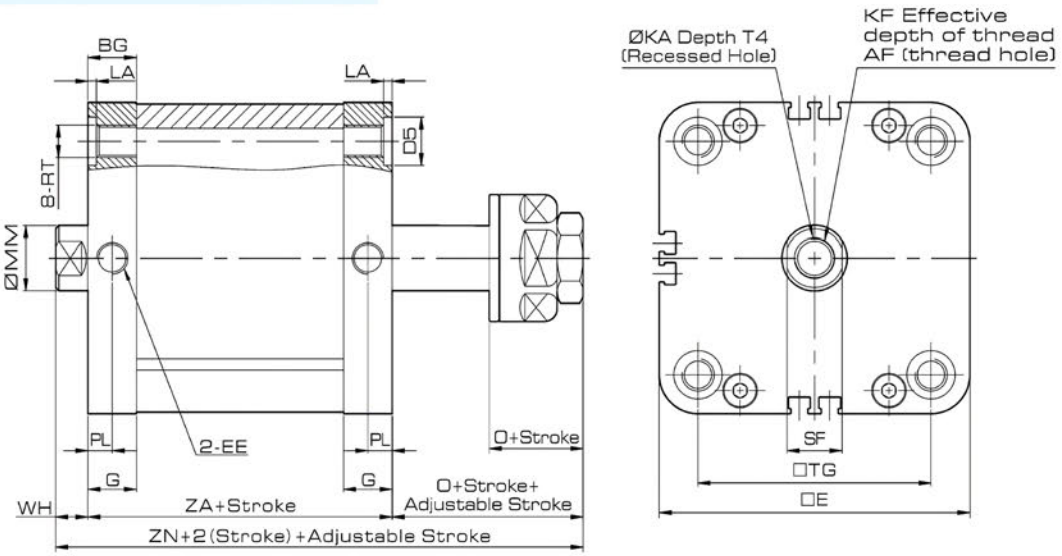
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

ADNJ Ø20~Ø100 Without magnet/With magnet

Overall Dimension Adjustable with female thread Ø20~Ø63



Adjustable with female thread Ø80~Ø100



Dimension

Bore/Symbol	Stroke Range(mm)	A	AF	BG Min.	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25						40		11				
32		19	16	16		47.5	G1/8	14	8.5	M8×1.25	M10×1.25	
40						55						
50		22	20		12	66			10.5	M10×1.5	M12×1.25	
63						78.3						
80		28		17	-	96		15	12.5	M12×1.75	M16×1.5	-
100						116		21				

Bore/Symbol	MM	O	PL	RT	S	SF	T	T4	TG	WH	ZA	ZN
20	10	19	5	M5×0.8	12	9	5	2.6	22	6	37	62
25									26		39	64
32	12	27	7.5	M6×1	17	10	6	3.3	32.5	7	44	78
40									38		45	79
50	16	28		M8×1.25		13	7	4.7	46.5	8		81
63									56.5		49	85
80	20	29		M10×1.5	23	17	8	6.1	72	10	54	93
100									89		67	96

Return Catalog

TADN Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Ordering Code

TADN	25	30	S	MT

Series	Bore	Storke	Magnet	Sensor
TADN : Double acting type guide	20		Blank: Without magnet	D-Z73
	25		S: With magnet	*Standard wire is 1 meter, please order for other length
	32			
	40			
	50			
	63			
	80			
	100			



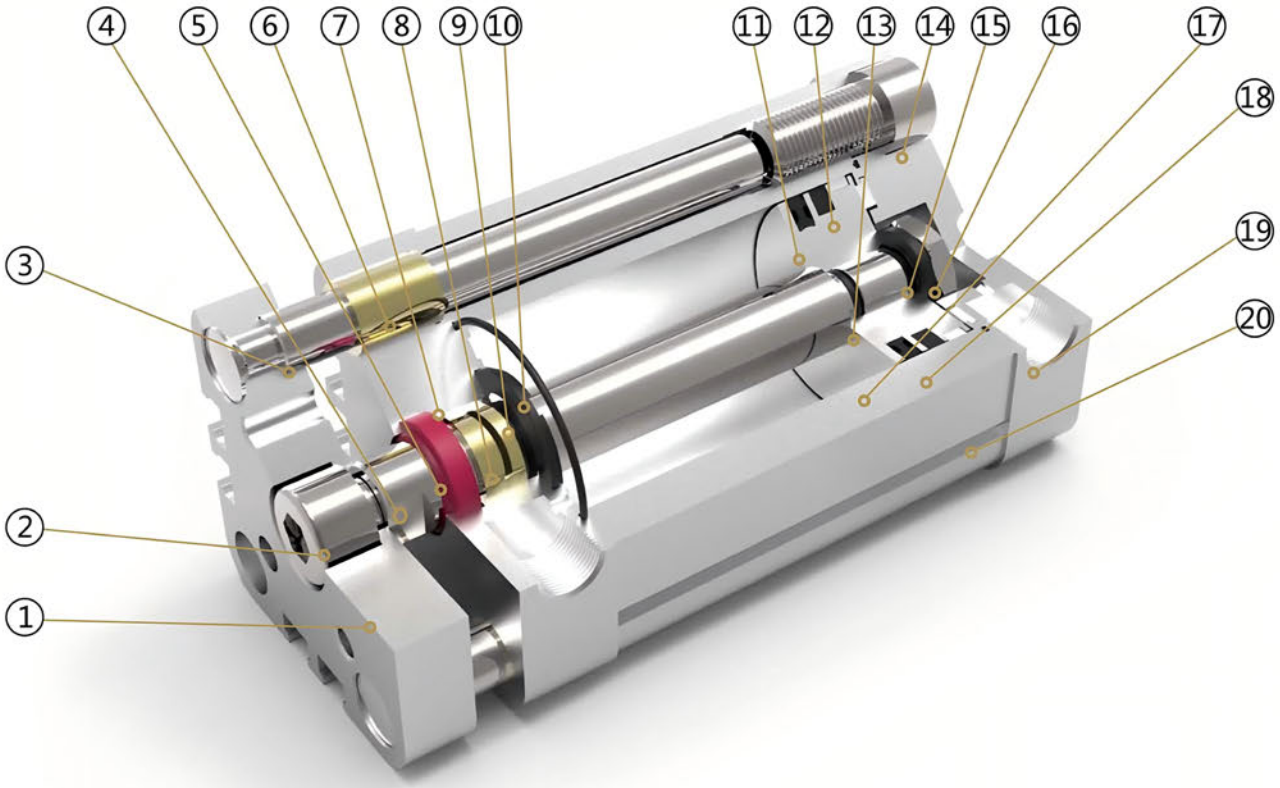
Specification

Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Operating Pressure Range	0.1~1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20~70°C							
Operating Speed Range	30~500mm/s							
Port Size	G1/8"							
Standard Storke	5~100 mm							

Return Catalog

TADN Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series



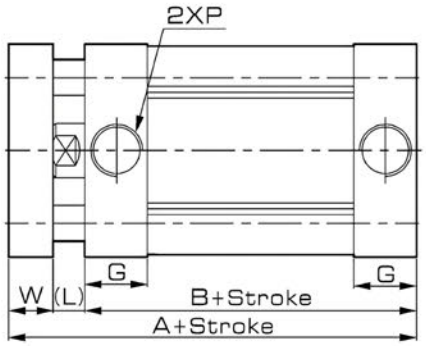
Number	Name	Number	Name
1	Fixed plate	11	C ring
2	Socket head screw	12	Anti-friction seal
3	Guide rod	13	O ring
4	Piston rod	14	Cover screw
5	Dust ring	15	Small gasket
6	Copper tube	16	Hexagon nut
7	Front cover	17	Piston
8	Front cover	18	Magnet
9	Anti-collision gasket	19	Back cover
10	O ring	20	Barrel

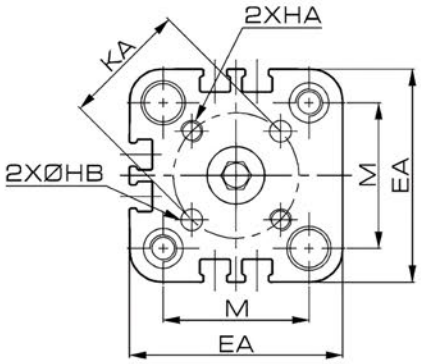
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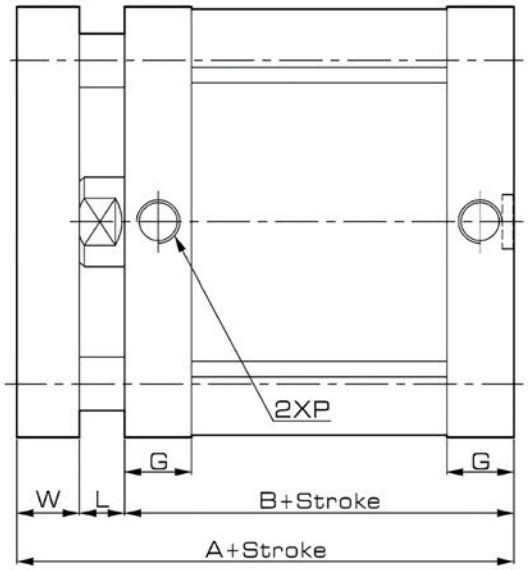
TADN Series
Standard Cylinder

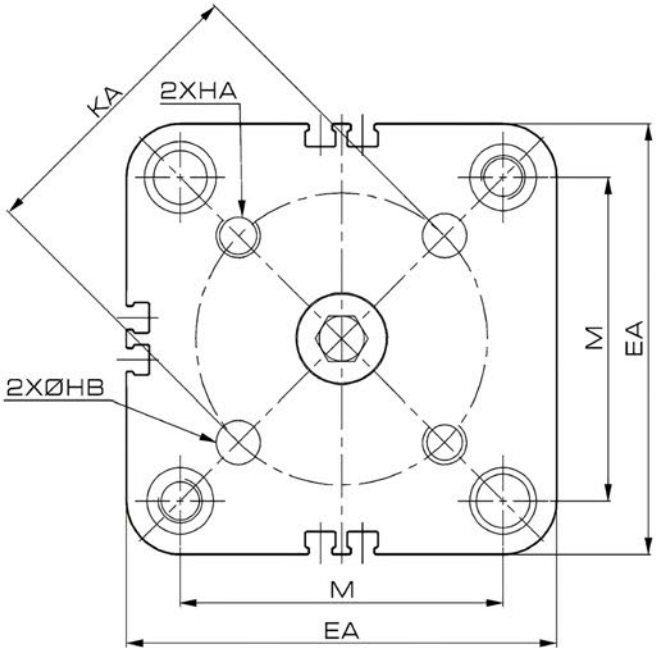
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension









Dimension

Bore Symbol	Stroke Range (mm)	Number					EA	M	HA	HB	KA	L	W
		A	B	P									
				-	IN	TF							
20	5-100	51	37	M5×0.8			36	22	M4×0.7	4	17±0.02	6	8
25	5-100	53	39	M5×0.8			40	26	M5×0.8	5	22±0.02	6	8
32	5-100	61	44	G1/8	PT1/8	NPT1/8	47.5	32.5	M5×0.8	5	28±0.02	7	10
40	5-100	62	45	G1/8	PT1/8	NPT1/8	55	38	M5×0.8	5	33±0.02	7	10
50	5-100	65	45	G1/8	PT1/8	NPT1/8	66	46.5	M6×1.0	6	42±0.02	8	12
63	5-100	69	49	G1/8	PT1/8	NPT1/8	78.3	56.5	M6×1.0	6	50±0.02	8	12
80	5-100	78	54	G1/8	PT1/8	NPT1/8	96	72	M8×1.25	8	65±0.02	10	14
100	5-100	91	67	G1/8	PT1/8	NPT1/8	116	89	M10×1.5	10	80±0.02	10	14

Return Catalog

MGPM/L Series
Tri-rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Product Introduction



Features
- Light weight and compact.
- Strong transverse load capacity.
- Strong torque capacity.
- High Non-rotating precision.
- Either ball joint or slide joint areavailable for directional bearingfor directional rod.
- Easy for installation.
- Position of both side ports are changeable.

Ordering Code

MGPM	32	50	MT

- Cylinder dia needed: 12,Stroke: 50, slid able bearing. Right model number: MGPM 12-50
- Cylinder dia needed: 40, stroke: 100Ball bearing with two sensor switcheslead wire length 0.5 m.Right model number: MGPL 40-100-MT2

Type Bearing	Bore	Stroke	Sensor
M: Slidable bearing	12 16		MT2
L: Ball bearing	25 16		* Standard wire is 1 meter,please order for other length
	32 40		
	50 63		
	80 100		

Specification

Bore (mm)		12	16	20	25	32	40	50	63	80	100
Operation Fluid		Air									
Operation		Double Acting									
Anti-pressure testing pressure		1.5 MPa (15.3 kgf/cm²)									
Max.Operation Pressure		1.0 MPa (10.2 kgf/cm²)									
Min.Operation Pressure		0.12 MPa (1.2 kgf/cm²)									
Ambient and fluid temperature		5 ~+60°C									
Piston Speed		50~500 mm/s								50~400 mm/s	
Buffer		Rubber Buffer									
Stroke Tolerance		+1.5 mm									
*Lubrication		Non-lub									
Bearing		Slidable bearing/Ball Bearing									
Non-rotating rod precision	Slidable bearing	± 0.08°		± 0.07°		± 0.06°		± 0.05°		± 0.04°	
	Ball Bearing	± 0.10°		± 0.9°		± 0.8°		± 0.7°		± 0.7°	
Port Size Rc(PT)		M5×0.8"		1/8"				1/4"		3/8"	

* If lubricant is demanded, please choose clear No.1 lubricant, ISOVG32.

Stroke

Bore (mm)	Standard Stroke (mm)	**Sensor Switch Optional Model (For slide installation)
12 / 16	20 / 20 / 30 / 40 / 50 / 75 / 100	D-Z73L / D-Z76L / D-Z80L D-Y59AL / D-Y59BL
20 / 25	20 / 20 / 30 / 40 / 50 / 75 / 100 / 125 / 175 / 200	
32 / 40 / 50 / 63 / 80 / 100	20 / 50 / 75 / 100 / 125 / 175 / 200	

* Strokes (from 5, 10, 20, 30, 35.) are added with 5, 10, 15, 20 mm thick gasket respectively.
ex: MGPM50-10 is with 15 mm thickness gasket (MGPM50-25).

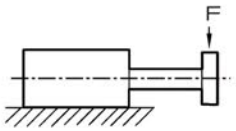
** Please refer to sensor switch series pages in this catalog for spec. and characteristic. Code for lead wire length as follow.
Blank -0.5 m,L-3 m.Example: D-Y59AL, D-Y59AL.

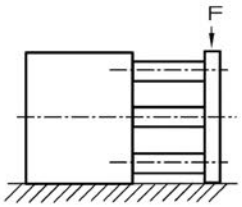
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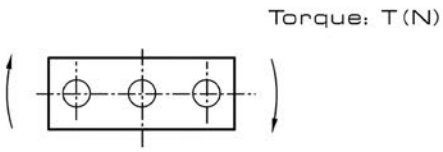
MGPM/L Series
Tri-rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Load and Torque







Bore (mm)	Sreies	Max.Transverse Load F(N)											
		Stroke (mm)											
		10	20	25	30	40	50	75	100	125	150	175	200
12	MGPM	24	19	-	17	14	13	26	22	-	-	-	-
	MGPL	37	27	-	22	35	30	23	18	-	-	-	-
16	MGPM	38	31	-	27	23	21	37	32	-	-	-	-
	MGPL	54	40	-	32	54	47	35	28	-	-	-	-
20	MGPM	-	49	-	43	38	35	87	75	66	59	54	49
	MGPL	-	58	-	48	101	90	70	58	62	54	48	43
25	MGPM	-	69	-	60	54	49	116	100	88	79	71	65
	MGPL	-	82	-	68	132	118	93	77	80	70	62	55
32	MGPM	-	-	203	-	-	164	182	159	142	127	116	106
	MGPL	-	-	113	-	-	78	130	107	130	114	101	90
40	MGPM	-	-	203	-	-	164	182	159	142	127	116	106
	MGPL	-	-	113	-	-	78	129	106	130	114	101	90
50	MGPM	-	-	296	-	-	245	273	241	216	195	179	164
	MGPL	-	-	120	-	-	83	178	148	148	129	114	102
63	MGPM	-	-	296	-	-	245	273	241	216	195	179	164
	MGPL	-	-	117	-	-	81	176	145	145	126	111	99
80	MGPM	-	-	352	-	-	297	368	329	298	272	251	232
	MGPL	-	-	125	-	-	99	281	240	208	184	163	147
100	MGPM	-	-	515	-	-	445	498	450	410	377	349	325
	MGPL	-	-	138	-	-	108	395	340	297	263	235	211

Max. Forque T(N*m)											
Stroke (mm)											
10	20	25	30	40	50	75	100	125	150	175	200
0.39	0.32	-	0.27	0.24	0.21	0.43	0.36	-	-	-	-
0.78	0.66	-	0.57	0.93	0.85	0.69	0.58	-	-	-	-
0.69	0.58	-	0.49	0.43	0.38	0.69	0.58	-	-	-	-
1.23	1.06	-	0.92	1.53	1.40	1.16	0.99	-	-	-	-
-	1.05	-	0.93	0.83	0.75	1.88	1.63	1.44	1.28	1.16	1.06
-	1.70	-	1.52	3.06	2.87	2.47	2.17	2.38	2.16	1.98	1.82
-	1.76	-	1.55	1.38	1.25	2.96	2.57	2.26	2.02	1.83	1.67
-	2.80	-	2.53	4.67	4.39	3.81	3.36	3.65	3.31	3.02	2.78
-	-	6.35	-	-	5.13	5.69	4.97	4.42	3.98	3.61	3.31
-	-	4.76	-	-	3.86	6.53	5.75	7.10	6.46	5.92	5.47
-	-	7.00	-	-	5.66	6.27	5.48	4.87	4.38	3.98	3.65
-	-	5.24	-	-	4.25	7.19	6.33	7.81	7.11	6.52	6.02
-	-	13.0	-	-	10.8	12.0	10.6	9.5	8.6	7.86	7.24
-	-	7.02	-	-	5.76	12.3	10.9	11.2	10.2	9.4	8.69
-	-	14.7	-	-	12.1	13.5	12.0	10.7	9.69	8.86	8.16
-	-	77.7	-	-	6.35	13.7	12.2	12.5	11.4	10.5	9.65
-	-	22.0	-	-	18.6	22.9	20.5	18.6	17.0	15.6	14.5
-	-	10.3	-	-	9.35	24.8	22.7	20.9	19.4	18.0	16.9
-	-	38.8	-	-	33.5	37.5	33.8	30.9	28.4	26.2	24.4
-	-	13.6	-	-	12.2	41.1	37.9	35.1	32.7	30.5	28.6

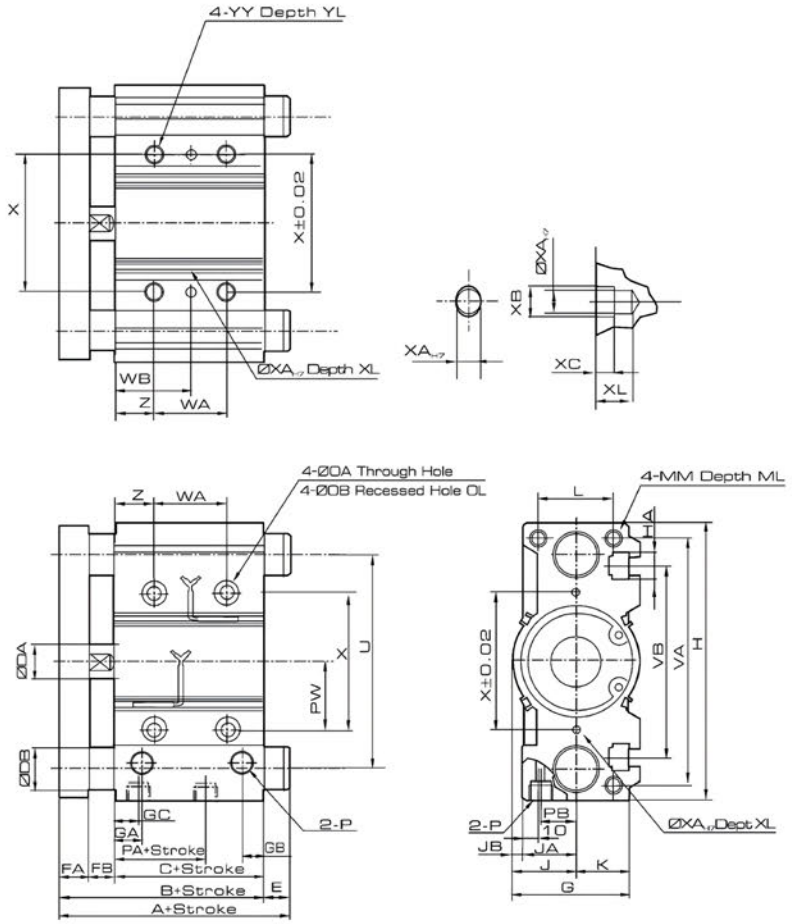
Return Catalog

MGPM/L Series
Tri-rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

Ø12~Ø25



Dimension

MGPM, MGPLØ12~Ø25

Bore (mm)	Standard Stroke	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q
12	10 / 20 / 30 / 40 50 / 75 / 100	42	29	6	8	5	26	11	7.5	58	M4	13	13	18	M4×0.7	10	M4×0.7	4.3	8	4.5	M5×0.8	13	8	18	14
16		46	33	8	8	5	30	11	8	64	M4	15	15	22	M5×0.8	12	M5×0.8	4.3	8	4.5	M5×0.8	15	10	19	16
20	20 / 30 / 40 / 50 75 / 100 / 125 / 150 175 / 200	53	37	10	10	6	36	10.5	8.5	83	M5	18	18	24	M5×0.8	13	M5×0.8	5.6	9.5	5.5	RC1/8	12.5	10.5	25	18
25		53.5	37.5	12	10	6	42	11.5	9	93	M5	21	21	30	M6×1.0	15	M6×1.0	5.6	9.5	5.5	RC1/8	12.5	13.5	28.5	26

Bore (mm)	Standard Stroke	R	S	T	U	VA	VB	WA			WB			X	XA	XB	XC	XL	YY	YL	Z
								Below 30st	40st to 100st	125st to or above	Below 30st	40st to 100st	125st to or above								
12	10 / 20 / 30 / 40 50 / 75 / 100	48	22	56	41	50	37	20	40	-	15	25	-	23	3	3.5	3	6	M5×0.8	10	5
16		54	25	62	46	56	38	24	44	-	17	27	-	24	3	3.5	3	6	M5×0.8	10	5
20	20 / 30 / 40 / 50 75 / 100 / 125 / 150 175 / 200	70	30	81	54	72	44	24	44	120	29	39	77	28	3	3.5	3	6	M6×1.0	12	17
25		78	38	91	64	82	50	24	44	120	29	39	77	34	4	4.5	3	6	M6×1.0	12	17

MGPM (Slidable Bearing)

Bore (mm)	A		DB	E	
	Below 50st	Above 50st		Below 50st	Above 50st
12	42	60.5	8	0	18.5
16	46	64.5	10	0	18.5
20	53	84.5	12	0	31.5
25	53.5	85	16	0	31.5

MGPL (Ball Bearing)

Bore (mm)	A			DB	E		
	Below 30st	30st to 100st	100st or Above		Below 30s	30st to 100st	100st or Above
12	43	55	85	6	1	13	43
16	49	65	95	8	3	49	49
20	63	80	104	10	10	27	51
25	69.5	80.5	104.5	13	16	32	51

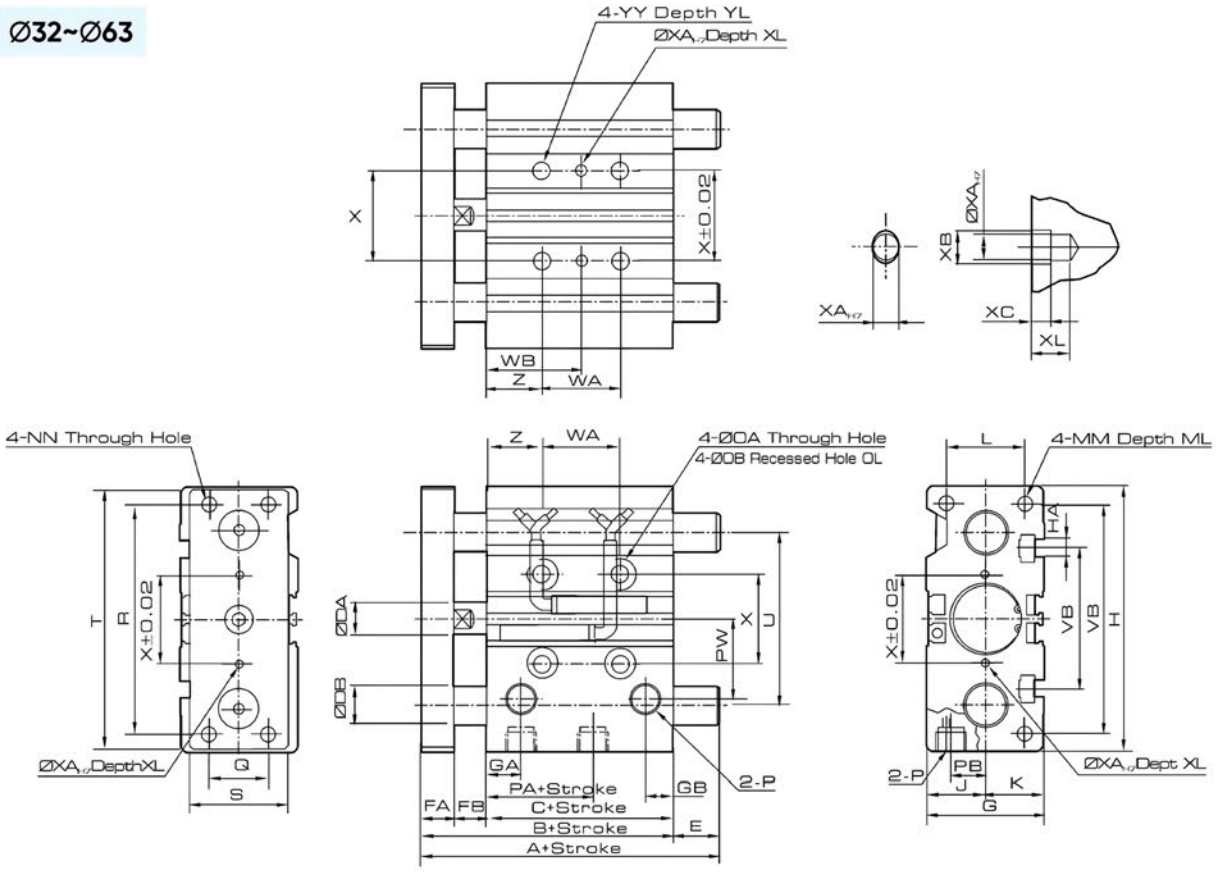
Return Catalog

MGPM/L Series
Tri-rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

Ø32~Ø63



Dimension

MGPM, MGPLØ32~Ø63

Bore (mm)	Standard Stroke	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q
32	25 / 50 / 75 100 / 125 / 150 175 / 200	59.5	37.5	16	12	10	48	12.5	112	9	112	M6	24	24	34	M8×1.25	20	M8×1.25	6.6	11	7.5	RC1/8	7	15	34	30
40		66	44	16	12	10	54	14	120	10	120	M6	27	27	40	M8×1.25	20	M8×1.25	6.6	11	7.5	RC1/8	13	18	38	30
50		72	44	20	16	12	64	12	148	11	148	M8	32	32	46	M10×01.5	22	M5×0.8	8.6	14	9	RC1/4	9	21.5	47	40
63		77	49	20	16	12	78	16.5	162	13.5	162	M10	39	39	58	M10×01.5	22	M6×1.0	8.6	14	9	RC1/4	14	28	55	50

Bore (mm)	Standard Stroke	R	S	T	U	VA	VB	WA			WB			X	XA	XB	XC	XL	YY	YL	Z
								25st	50/75/100st	Above 100st	25st	50/75/100st	Above 100st								
32	25 / 50 / 75 100 / 125 / 150 175 / 200	96	44	110	78	98	63	24	48	124	33	45	83	42	4	4.5	3	6	M8×1.25	16	21
40		104	44	118	106	106	72	24	48	124	34	46	84	50	4	4.5	3	6	M8×1.25	16	22
50		130	60	146	130	130	92	24	48	124	36	48	86	66	5	6	4	6	M10×1.5	20	24
63		130	70	158	142	142	110	28	52	128	38	50	88	80	5	6	4	6	M10×1.5	20	24

MGPM (Slidable Bearing)

Bore (mm)	A		DB	E	
	25/50st	Above 50st		Below 25/50st	Above 50st
32	97	102	20	37.5	42.5
40	97	102	20	31	36
50	106.5	118	25	34.5	46
63	106.5	118	25	29.5	41

MGPL (Ball Bearing)

Bore (mm)	A			DB	E		
	50st	75 / 100st	Above 100st		50st	75 / 100st	Above 100st
32	81	98	118	16	21.5	38.5	58.5
40	81	98	118	16	15	32	52
50	93	114	134	20	21	42	62
63	93	114	134	20	16	37	57

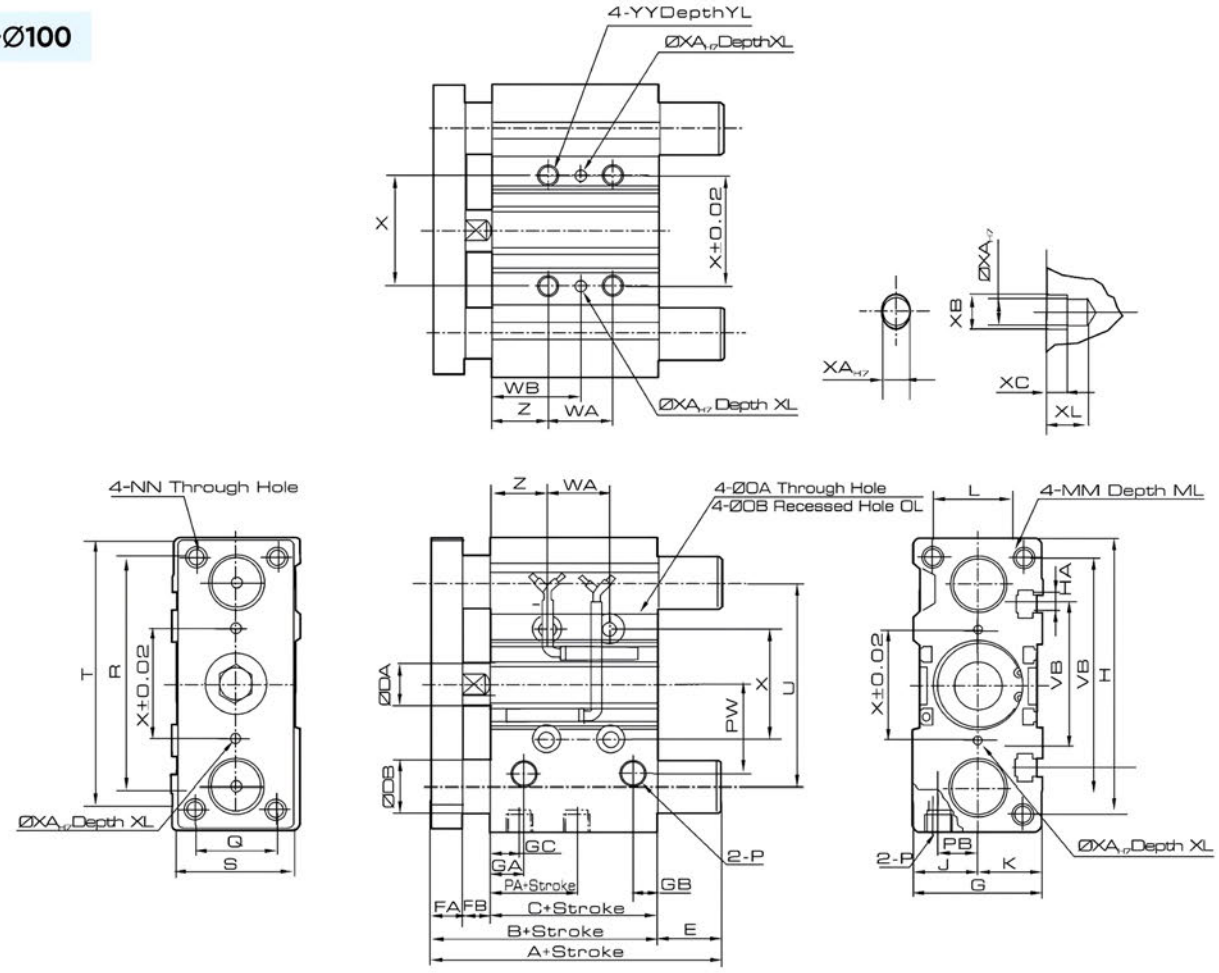
Return Catalog

MGPM/L Series
Tri-rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

Ø80~Ø100



Dimension

MGPM, MGPLØ80~Ø100

Bore (mm)	Standard Stroke	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	JA	JB	K	L	MM	ML	NN	OA	OB	OL	P	PA	PB	PW	Q
80	25 / 50 / 75 100 / 125 / 150 175 / 200	96.5	56.5	25	22	18	91.5	19	15.5	14.5	202	M12	45.5	7.5	38	46	54	M12×1.75	30	M12×1.75	10.6	17.5	8	RC3/8	14.5	25.5	74	52
100		116	66	30	25	25	111.5	23	19	18	240	M14	55.5	10.5	45	56	62	M14×2.0	32	M14×2.0	12.5	20	8	RC3/8	17.5	32.5	89	64

Bore (mm)	Standard Stroke	R	S	T	U	VA	VB	WA			WB			X	XA	XB	XC	XL	YY	YL	Z
								25st	50 / 75 / 100st	Above 100st	25st	50 / 75 / 100st	Above 100st								
80	25 / 50 / 75 100 / 125 / 150 175 / 200	174	75	198	156	180	140	28	52	128	42	54	92	100	6	7	5	10	M12×1.75	24	28
100		210	90	236	188	210	166	48	72	148	35	47	85	124	6	7	5	10	M12×1.75	28	11

MGPM (Slidable Bearing)

Bore (mm)	A		DB	E	
	25/50st	Above 50st		Below 25/50st	Above 50st
80	115	142	30	18.5	45.5
100	137	162	36	21	46

MGPL (Ball Bearing)

Bore (mm)	A			DB	E		
	25/50st	75/100st	Above 100st		25/50st	75/100st	Above 100st
80	109.5	130	160	25	13	33.5	63.5
100	121	147	180	30	5	31	64

Return Catalog

TN Series
Double Rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

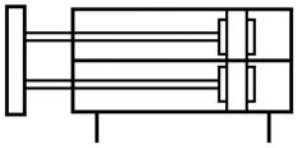
Features
- Enterprises standard is implemented..
- Embedded installation and fixation mode saves the installationspace.
- It is good resistance to bending and twisting moments.4.Mounting holes on three sides facilitates multi-positionmounting.
- Bumper in front of the barrel can adjust the stroke of cylinderand relieve impact.6.Standard configuration ofthis series has magnet and the typewithout magnet is not available.



Construction

TN	20	50	S
Type	Bore	Stroke	Magnet
TN: Double-shaft double acting	10 / 16		S: Wiht Magnet
	20 / 25		
	32		

Symbol



Specification

Bore(mm)	10	16	20	25	32
Working Medium	Air				
Operation	Double Acting				
Operation Pressure Range	0.15 ~1.0 MPa				
Ensure Pressure Resistance	1.5MPa				
Operation Temperature Range	-10~70°C				
Operation Speed Range	30~500 mm/s				
Adjustable Stroke	-10~0 mm				
Cushion	Not Available	Cushion Gasket			
Presion Of Non-Rotating	± 0.4°	± 0.3°			
Port Size	M5×0.8				1/8

The Max, operating pressure is subject to the Max. load of hydralid buffer.

Stroke

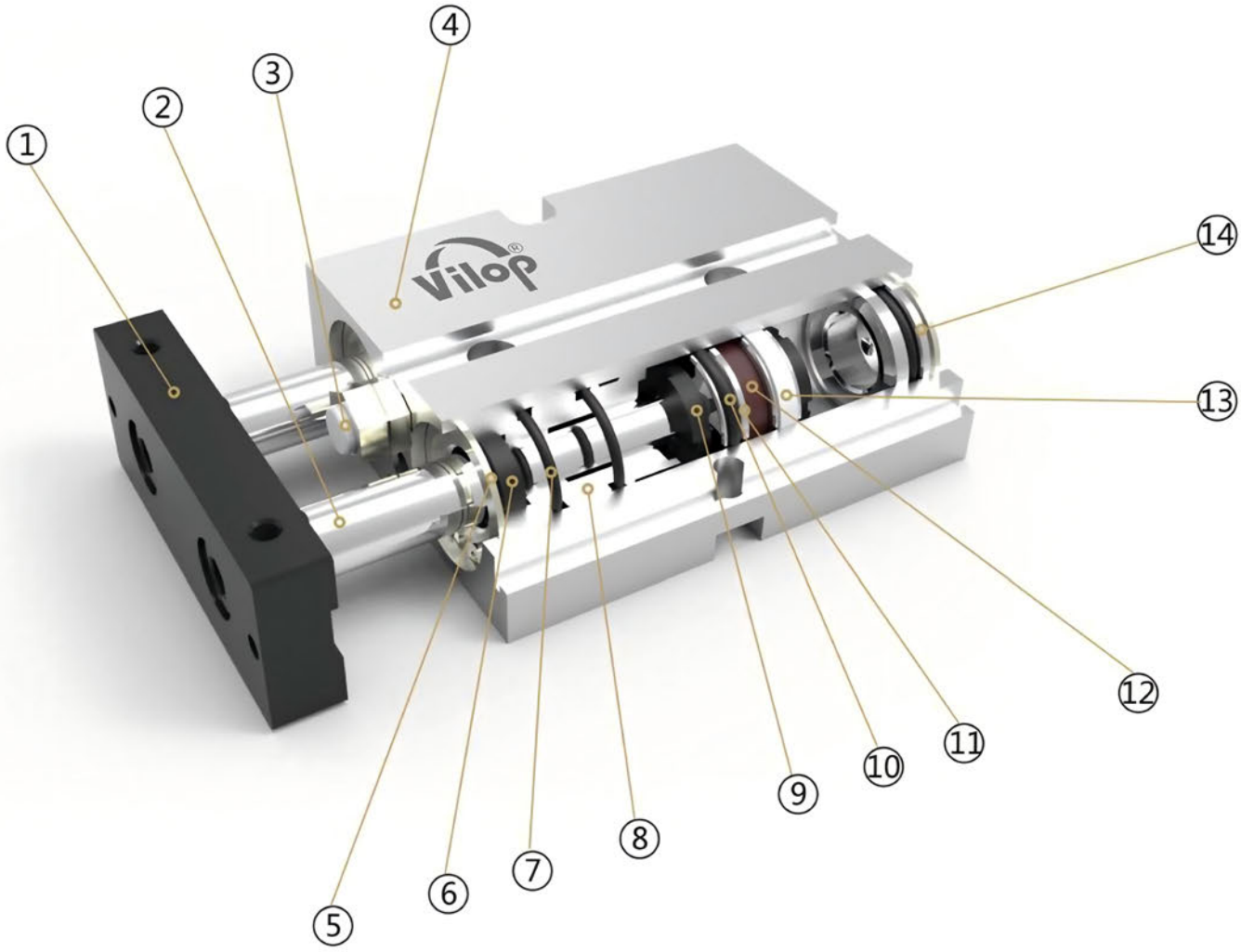
Bore (mm)	Standard Stroke	Max.Stroke	Allowable Stroke
10	10 / 20 / 30 / 40 / 50 / 60 / 70	70	100
16	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 125 / 150	150	200
20	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 125 / 150	150	200
25	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 125 / 150	150	200
32	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 125 / 150	150	200

Return Catalog

TN Series
Double Rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Number	Name	Number	Name
1	Fixing plate	8	Front cover
2	Piston rod	9	Anti-collision washer
3	Anti-collision head	10	Piston seal
4	Cylinder body	11	Piston
5	Circlips for holes	12	Magnet
6	Shaft seal	13	Anti-friction ring
7	O ring	14	Back cover

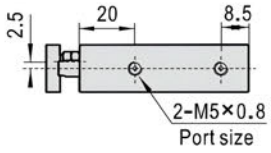
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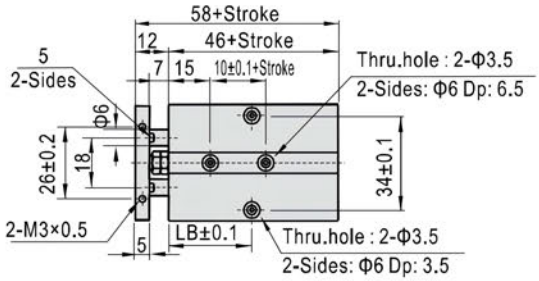
TN Series
Double Rod Cylinder

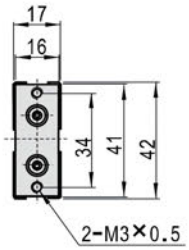
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Dimensions

TN Ø10

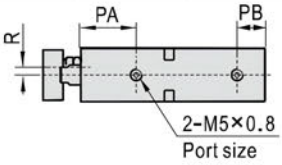


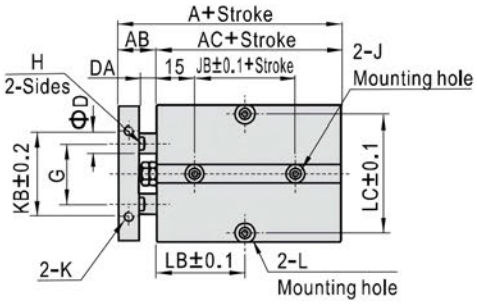


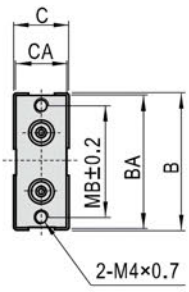


Item / Stroke	10	20	30	40	50	60	70	80	90	100
LB	30	30	35	40	45	0	55	60	65	70

TN Ø16~Ø25





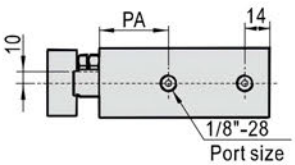


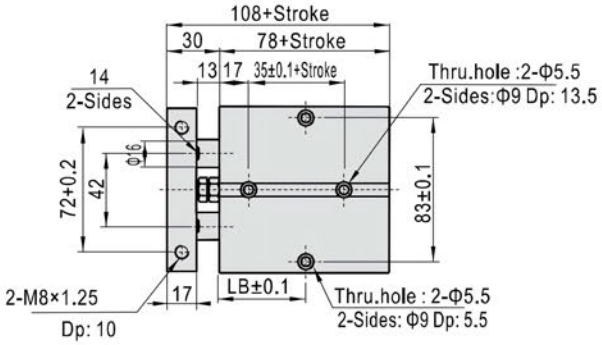
Bore Size/Item	A	AB	AC	B	BA	C	CA	D	DA	G	H	J
16	68	15	53	54	53	21	20	8	8.2	24	6	Both sides:Ø7.5DP:7.5Thru.hole:Ø4.5
20	78	20	58	62	61	25	24	10	10.2	28	8	Both sides:Ø7.5DP:7.5Thru.hole:Ø4.5
25	81	19	62	73	72	30	29	12	10.2	34	10	Both sides:Ø7.5DP:7.5Thru.hole:Ø4.5

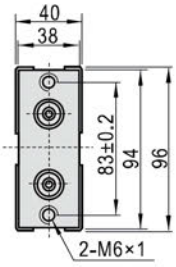
Bore Size/Item	JB	K	KB	PA	PB	PB	L	LC	MB	R
16	20	M4×0.7DP:5	34	22	11	11	Both sides:Ø8DP:4.5Thru.hole:Ø4.5	47	47	3
20	20	M4×0.7DP:5	44	25	12	12	Both sides:Ø8DP:4.5Thru.hole:Ø4.5	55	55	3.5
25	30	M4×0.7DP:5	56	27	12	12	Both sides:Ø8DP:4.5Thru.hole:Ø4.5	66	66	6

Bore Size/Item	LB													
Stroke≤	10	20	30	40	50	60	70	80	90	100	125	150	175	200
16	30	35	40	45	50	55	60	65	70	75	87.5	100	112.5	125
20	35	35	40	45	50	55	60	65	70	75	87.5	100	112.5	125
25	40	40	45	50	55	60	65	70	75	80	92.5	105	117.5	130

TN Ø32







Item/Stroke	10	20	30	40	50	60	70	80	90	100	125	150	175	200
LB	45	50	55	60	65	70	75	80	85	90	102.5	1.15	127.5	140
PA	35	40												

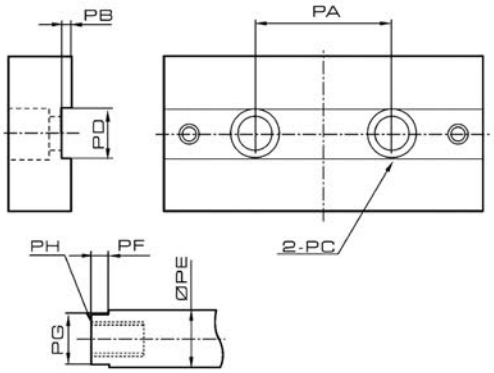
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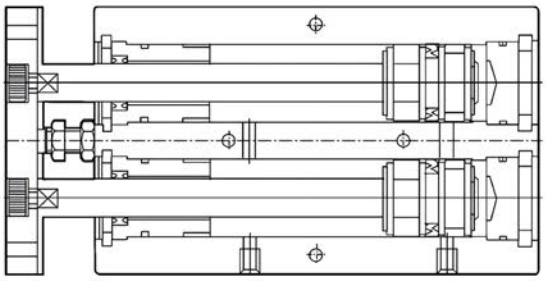
TN Series
Double Rod Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

TN / Ø16~Ø25



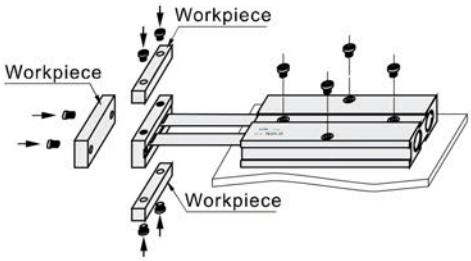


Dimension

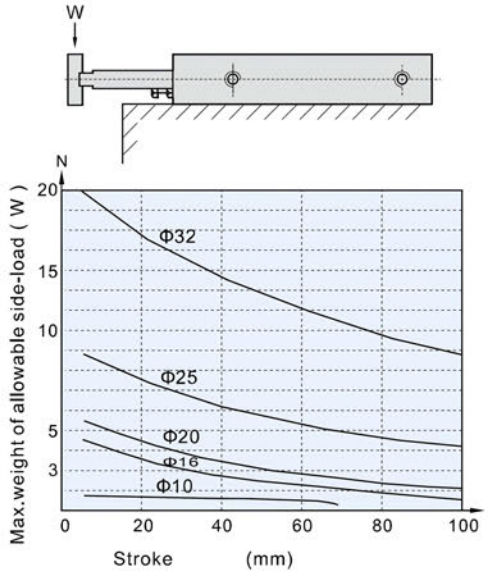
Bore / Symbol	PA	PB	P1	PD	PE	PF	PG	P2
10	18	0.5	Ø6.2 deep 3.5 mm, Through Hole: Ø4.5	5.2	6	3	5.2	M3 × 0.5 deep 5 mm
16	24	1	Ø7.8 deep 4.6 mm, Through Hole: Ø4.5	6.2	8	3	6.2	M4 × 0.7 deep 46 mm
20	28	1	Ø11 deep 6.8 mm, Through Hole: Ø4.5	8.2	10	3	8.2	M6 × 1 deep 48 mm
25	34	1	Ø11 deep 6.8 mm, Through Hole: Ø4.5	10.2	12	3	10.2	M6 × 1 deep 48 mm
32	42	2	Ø17 deep 12 mm, Through Hole: Ø4.5	14	16	3	14	M10 × 1.5 deep 14 mm

Installation and application

How to mount workpiece :



Max.weight of allowable side-load



Dimension (O-Ring List)

Inner Diameter Quantity	Front cover seal	Piston O-ring	Rear cover O-ring	Piston rod O-ring
1	1	2	2	1
10	PDU-6	APA-10	10×1.5	P12
16	PDU-8	APA-16	16×1.5	P16
20	PDU-10	APA-20	20×1.5	P20
25	PDU-12	APA-25	25×1.5	P20
32	PDU-16	APA-32	32×1.5	P25

Return Catalog

VXS Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Construction

VXS	M	20	100
Type	Bearing type	Bore size	Stroke
TN: Double-shaft double acting	M: Slide bearing	6 / 10	10 /20
	L: Ball bushing bearing	15 / 20	30 /40
		25 / 32	50 /60
			70 / 75
			80 / 90
			100



Specification

Bora Size (mm)	6	10	15	20	25	32
Fluid	Air (Non-lube)					
Proof pressure	1.05 Mpa					
Maximum operating pressure	Basic FA FB CA CB LB					
Minimum operating pressure	0.15 MPa	0.1 MPa		0.05 MPa		
Ambient and fluid temperature	-10 to 60°C (No freezing					
Piston speed	30 to 300 mm/s	30 to 800 mm/s	30 to 700 mm/s		30 to 600 mm/s	
Cushion	Rubber bumper					
Stroke adjustable range	0 to -5 mm compared to the standard stroke					
Port size	M5×0.8				Rc 1/8	
Bearing type	Slide bearing, Ball bushing bearing (Same dimensions for both)					
Allowable kinetic energy	0.0023J	0.064J	0.095J	0.17J	0.27J	0.32 J

Weight

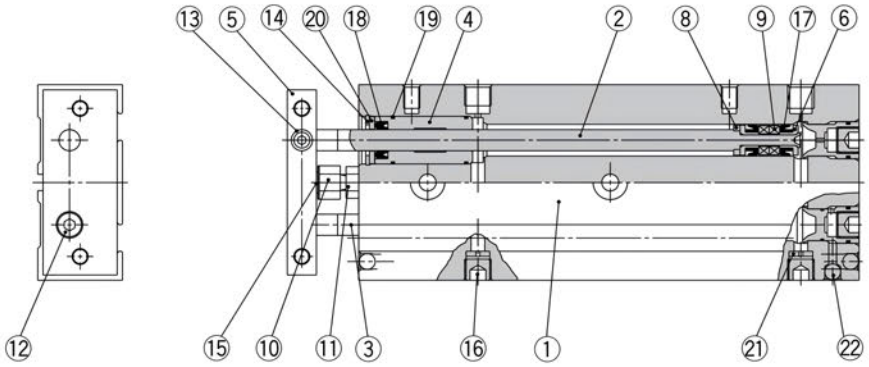
kg

Model	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
CXSM6	0.081	-	0.095	-	0.108	-	0.122	-	0.135	-	-	-	-	-	-
CXSL6	0.081	-	0.095	-	0.108	-	0.122	-	0.135	-	-	-	-	-	-
CXSM10	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.25	0.27	0.25	-	-	-
CXSL10	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.25	0.27	0.25	-	-	-
CXSM15	0.25	0.265	0.28	0.29	0.30	0.315	0.33	0.345	0.36	0.39	0.42	0.435	0.45	0.48	0.51
CXSL15	0.27	0.285	0.30	0.31	0.32	0.335	0.35	0.365	0.38	0.41	0.44	0.455	0.47	0.50	0.53
CXSM20	0.40	0.42	0.44	0.46	0.48	0.495	0.51	0.53	0.55	0.585	0.62	0.64	0.66	0.70	0.74
CXSL20	0.43	0.445	0.46	0.48	0.5	0.515	0.53	0.55	0.57	0.605	0.64	0.66	0.68	0.715	0.75
CXSM25	0.61	0.635	0.66	0.69	0.72	0.745	0.77	0.80	0.83	0.89	0.95	0.97	0.995	1.06	1.10
CXSL25	0.62	0.645	0.67	0.70	0.73	0.755	0.78	0.81	0.84	0.895	0.955	0.98	1.005	1.065	1.11
CXSM32	1.15	1.19	1.23	1.275	1.32	1.36	1.40	1.45	1.49	1.58	1.665	1.71	1.755	1.84	1.93
CXSL32	1.16	1.205	1.25	1.295	1.34	1.38	1.42	1.465	1.51	1.595	1.68	1.72	1.765	1.855	1.94

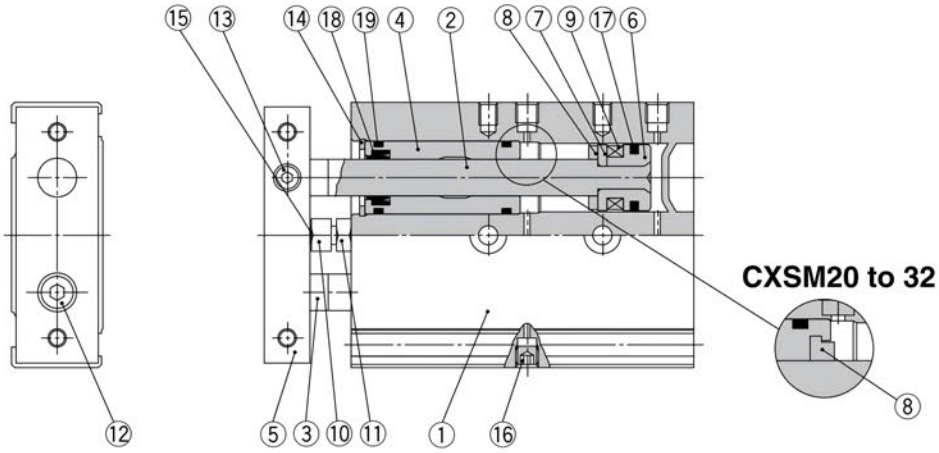
Return Catalog

Construction:Slide Bearing

VXSM6



VXSM10 to 32



Component Parts

No.	Description	Material	Note
1	Housing	Aluminum alloy	Hard anodized
2	Piston rod A	Carbon steel (1)	Hard chrome plated
3	Piston rod B	Carbon steel (1)	Hard chrome plated
4	Rod cover	Aluminum bearing alloy	-
5	Plate	Aluminum alloy	Anodized
6	Piston A	Aluminum alloy	Chromated
7	Piston B	Aluminum alloy	Chromated
8	Bumper	Urethane	-
9	Magnet	-	-
10	Bumper bolt	Carbon steel	Nickel plated
11	Hexagon nut	Carbon steel	Zinc chromated
12	Hexagon socket head cap screw	Chromium steel	Zinc chromated
13	Hexagon socket head set screw	Chromium steel	Zinc chromated
14	Retaining ring	Special steel	Phosphate coating

Note 1) Stainless steel for CXSM6.

Component Parts

No.	Description	Material	Note
15	Bumper	Urethane	-
16	Plug	Chromium steel	Nickel plated
17	Piston seal	NBR	-
18	Rod seal	NBR	-
19	O-ring	NBR	-
20	Seal retainer	Aluminum alloy	-
21	Port spacer	Aluminum alloy	-
22	Steel ball	Special steel	Hard chrome plated

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
6	CXSM6-PS	Set of nos. above⑰, ⑱ and ⑲
10	CXSM10APS	
15	CXSM15-PS	
20	CXSM20-PS	
25	CXSM25-PS	
32	CXSM32-PS	

※Seal kit includes⑰, ⑱ and ⑲. Order the seal kit, based on each bore size.
※Since the seal kit does not include a grease pack, order it separately.Grease pack part no.: GR-S-010(10 g)

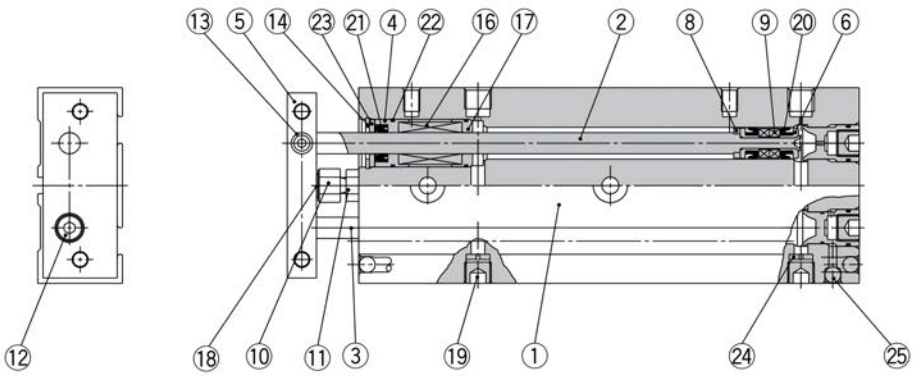
Return Catalog

VXS Series
Standard Cylinder

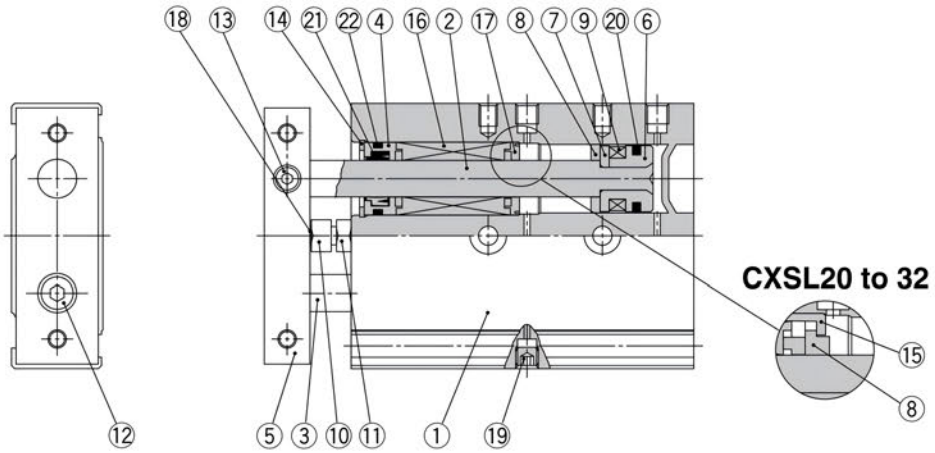
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Construction:Slide Bearing

VXSL6



VXSL10 to 32



Component Parts: Standard Piping

No.	Description	Material	Note
1	Housing	Aluminum alloy	Hard anodized
2	Piston rod A	Carbon steel (1)	Hard chrome plated
3	Piston rod B	Carbon steel (1)	Hard chrome plated
4	Rod cover	Aluminum bearing alloy	-
5	Plate	Aluminum alloy	Anodized
6	Piston A	Aluminum alloy	Chromated
7	Piston B	Aluminum alloy	Chromated
8	Bumper	Urethane	-
9	Magnet	-	-
10	Bumper bolt	Carbon steel	Nickel plated
11	Hexagon nut	Carbon steel	Zinc chromated
12	Hexagon socket head cap screw	Chromium steel	Zinc chromated
13	Hexagon socket head set screw	Chromium steel	Zinc chromated
14	Retaining ring	Special steel	Phosphate coating
15	Bumper holder	Synthetic resin	-

Component Parts

No.	Description	Material	Note
16	Ball bushing	-	-
17	Bearing spacer	Synthetic resin(1)	-
18	Bumper	Urethane	-
19	Plug	Chromium steel	Nickel plated
20	Piston seal	NBR	-
21	Rod seal	NBR	-
22	O-ring	NBR	-
23	Seal retainer	Aluminum alloy	-
24	Port spacer	Aluminum alloy	-
25	Steel ball	Special steel	Hard chrome plated

Note 1) Aluminum bearing alloy for CXSL6.

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
6	CXSM6-PS	Set of nos. above⑳, ㉑ and ㉒
10	CXSM10BPS	
15	CXSM15APS	
20	CXSM20APS	
25	CXSM2APS	
32	CXSM32APS	

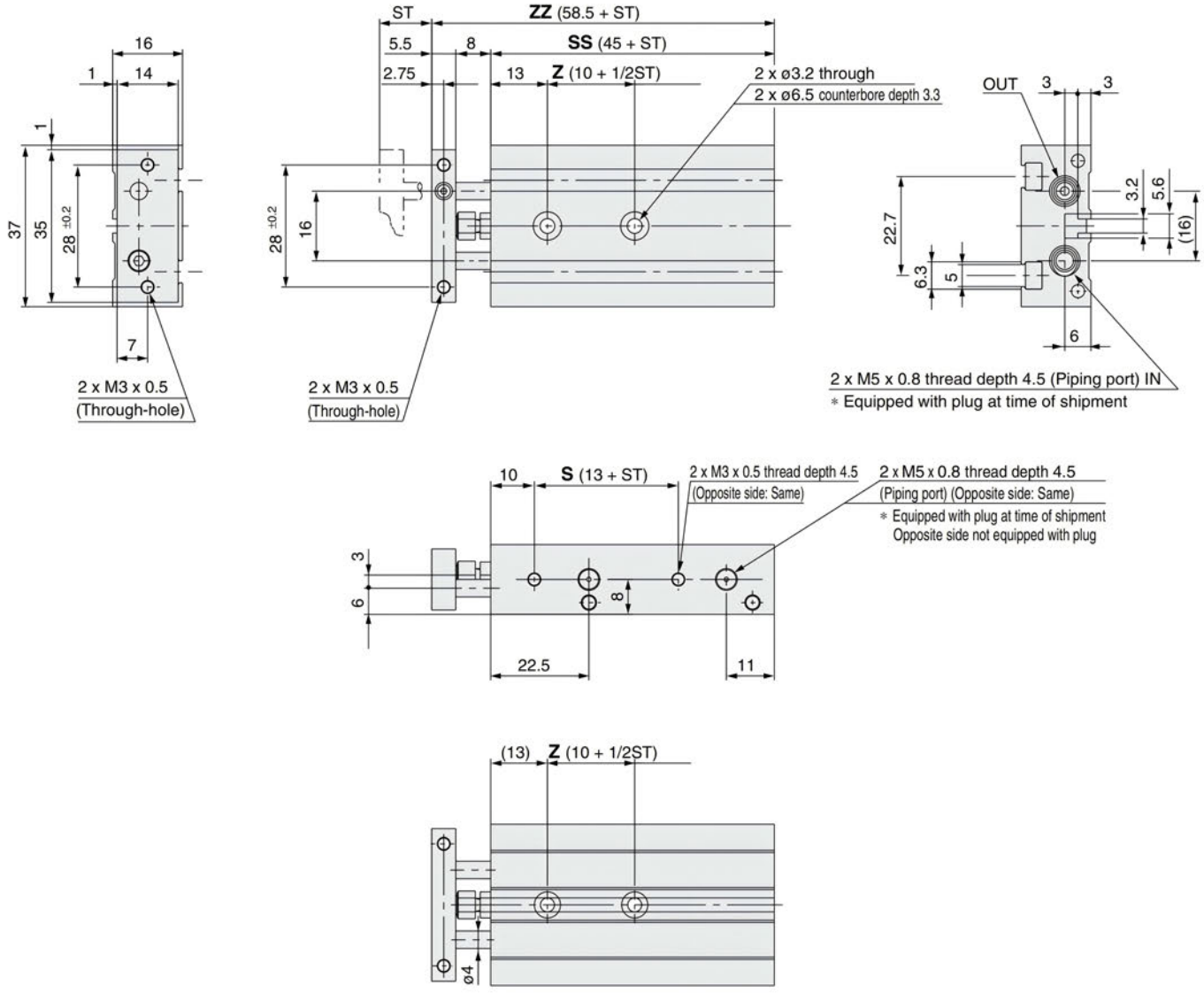
※Seal kit includes⑳, ㉑ and ㉒. Order the seal kit, based on each bore size.
※Since the seal kit does not include a grease pack, order it separately.Grease pack part no.: GR-S-010(10g)

Return Catalog

VXS Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Dimensions: Ø6



(mm)

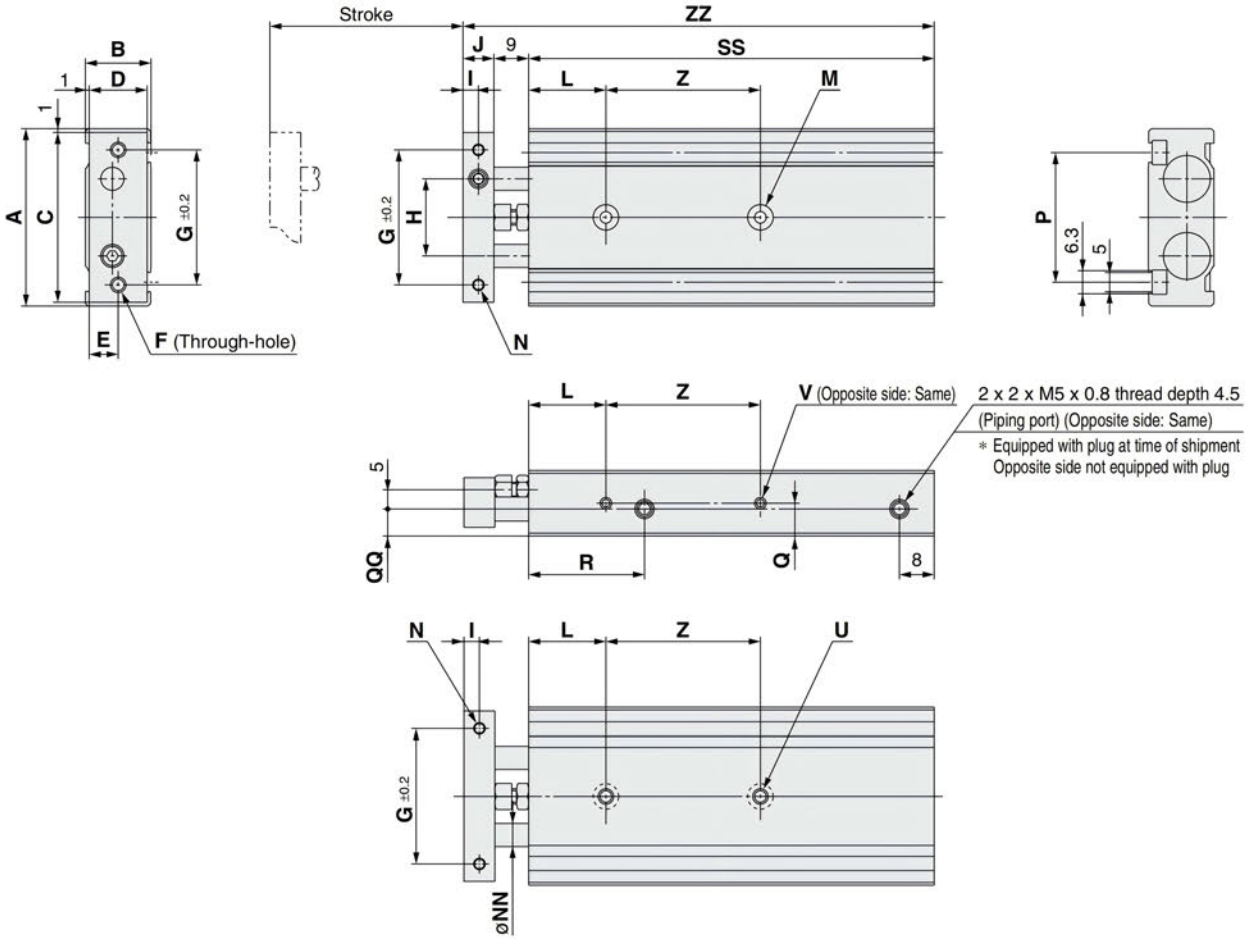
Model	Stroke	Z	S	SS	ZZ
VXS□6-10	10	15	23	55	68.5
VXS□6-20	20	20	33	65	78.5
VXS□6-30	30	25	43	75	88.5
VXS□6-40	40	30	53	85	98.5
VXS□6-50	50	50	63	95	108.5

Return Catalog

VXS Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Dimensions: Ø10,Ø15



(mm)

Model	A	B	C	D	E	F	G	H	I	J	L	M	N	NN	P	Q	QQ	R	U	V
VXS□10	46	17	44	15	7.5	2×M4×0.7	35	20	4	8	20	2×Ø3.4 through 2×Ø6.5 counter-bore depth 3.3	2×M3×0.5 thread depth 5	Ø6	33.6	8.5	7	30	2×M4×0.7 thread depth 7	4×M3×0.6 thread depth 4.5
VXS□15	58	20	56	18	9	2×M5×0.8	45	25	5	10	30	2×Ø4.3 through 2×Ø8 counter-bore depth 4.4	2×M4×0.7 thread depth 6	Ø8	48	10	10	38.5	2×M5×0.8 thread depth 8	4×M4×0.7 thread depth 5

Dimensions by Stroke

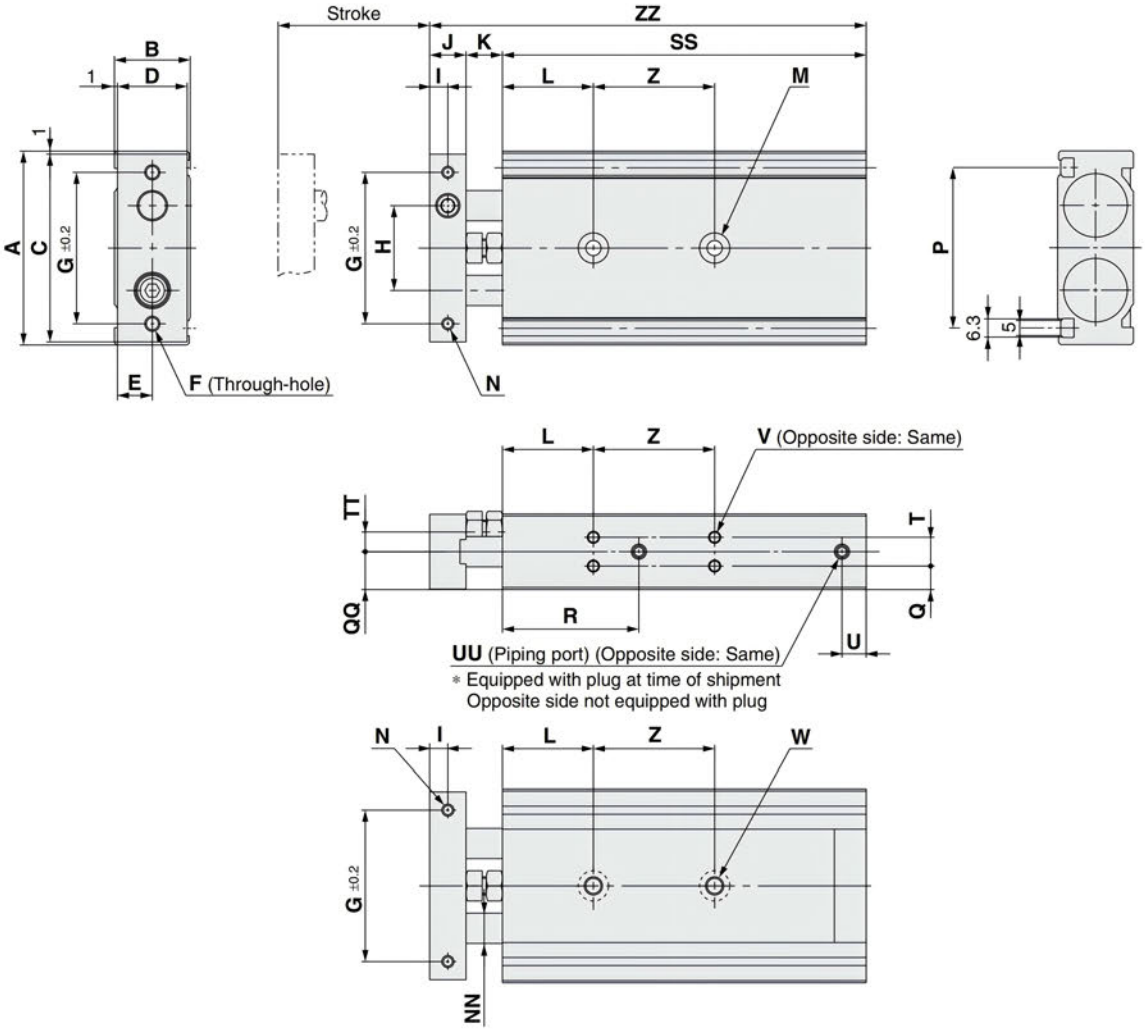
Symbol / Stroke / Model	SS															Z					ZZ																
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100	10/15 20/25	30/35 40/45/50	60/70/75	80	90/100	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
VXS□10	65	70	75	80	85	90	95	100	105	115	125	130	-	-	-	30	40	50	-	-	82	87	92	97	102	107	112	117	122	132	142	147	-	-	-
VXS□15	70	75	80	85	95	95	100	105	110	120	130	135	140	150	160	25	35	45	45	55	89	94	99	104	109	114	119	124	129	139	149	154	159	169	179

Return Catalog

VXS Series
Standard Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Dimensions: Ø20,Ø25,Ø32



(mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	NN	P
VXS□20	64	25	62	23	11.5	2×M5×0.8	50	28	6	12	12	30	2×Ø5.5 through 2×Ø9.5 counterbore depth 5.3	2×M4×0.7 thread depth 6	Ø10	53
VXS□25	80	30	78	28	14	2×M6×1.0	60	35	6	12	12	30	2×Ø6.9 through 2×Ø11 counterbore depth 6.3	2×M5×0.8 thread depth 7.5	Ø12	64
VXS□32	98	38	96	36	18	2×M6×1.0	75	44	8	16	14	30	2×Ø6.9 through 2×Ø11 counterbore depth 5.3	2×M5×0.8 thread depth 8	Ø16	76

Model	Q	QQ	R	T	TT	U	UU	V	W
VXS□20	7.75	12.5	45	9.5	6.5	8	4×M5×0.7 thread depth 4.5	8×M4×0.7 thread depth 5.5	2×M6×1.0 thread depth 10
VXS□25	8.5	15	46	13	9	9	4×RC1/8 thread depth 6.5	8×M5×0.8 thread depth 7.5	2×M8×1.25 thread depth 12
VXS□32	9	19	56	20	11.5	10	4×RC1/8 thread depth 6.5	8×M5×0.8 thread depth 7.5	2×M8×1.25 thread depth 12

Dimensions by Stroke

Symbol / Stroke / Model	SS																Z			ZZ																	
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100		10/15 20/25	30/35 40/45/50	60/70/75 80/90/100	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100			
VXS□20	80	85	90	95	100	105	110	115	120	130	140	145	150	160	170		30	40	60	104	109	114	119	124	129	134	139	144	154	164	169	174	184	194			
VXS□25	82	87	92	97	102	107	112	117	122	132	142	147	152	162	172		30	40	60	106	111	116	121	126	131	136	141	146	156	166	171	176	186	196			
VXS□32	92	97	102	107	112	117	122	127	132	142	152	157	162	172	182		40	50	70	122	127	132	137	142	147	152	157	162	172	182	187	192	202	212			

Return Catalog

CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Features

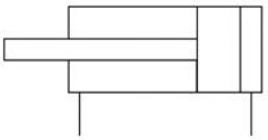
- Improving for adapting wide range applications,using precise polishing of piston rod, more sense ofproducts quality and longer life of front seal.
- Adjust the structure to the optimal state, and ensure the smooth operation of the product.
- The piston rod and the back cover cramping technology, improving product quality.
- Combined with enterprise color planning,it is redesigned by new color system and precise treatment of particulars.



Ordering Code

CDQ2	B	32	12	D
Type	Mounting	Bore size	Stroke	Action
D: With Auto Switch Magnet	B: Through-hole	12 / 16	5 / 10	Double Acting
	A: Both ends tapped	20 / 25	15 / 20	
	L: Foot	32 / 40	25 / 30	
	LC: Compact foot	50 / 63	35 / 40	
	F: Rod flange	80 / 100	45 / 50	
	G: Rod flange		75 / 100	
	D: Double clevis			

Symbol



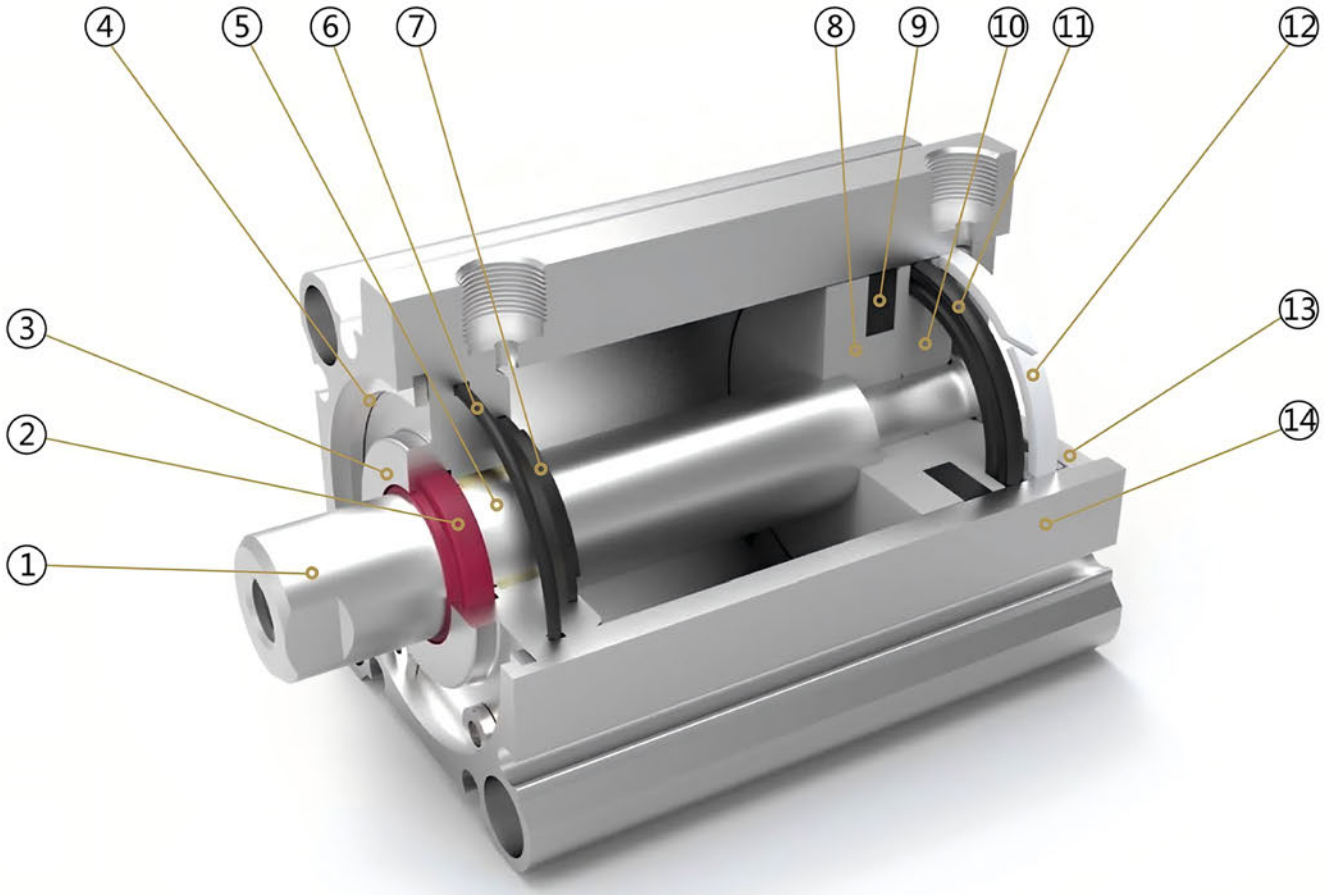
Specifications

Bore size (mm)		12	16	20	25	32	40	50	63	80	100
Action		Double acting, Single rod									
Fluid		Air									
Proof pressure		1.5 MPa									
Maximum operating pressure		1.0 MPa									
Minimum operating pressure		0.07 MPa		0.05 MPa							
Ambient and fluid temperatures		Without auto switch magnet: -10 to 70°C (No freezing) With auto switch magnet: -10 to 60°C									
Lubrication		Not required (Non-lube)									
Piston speed		50 to 500 mm/s									
Cushion		Without cushion or With rubber bumper									
Allowable kineticenergy [J]	Without cushion	0.022	0.038	0.055	0.09	0.15	0.26	0.46	0.77	1.36	2.27
	With rubber bumper	0.043	0.075	0.11	018	0.29	0.52	0.91	1.54	2.71	4.54
Stroke length tolerance		+1.0 mm*1									

*1 Stroke length tolerance does not include the amount of bumper change.

Return Catalog

Internal Structure



Number	Name	Number	Name
1	Piston rod	8	Piston
2	Shaft seal	9	Magnet
3	Front cover	10	Magnet base
4	C clip	11	Piston seal
5	DU bearing	12	Anti-friction seal
6	O ring	13	Back cover
7	Anti-collision gasket	14	Body

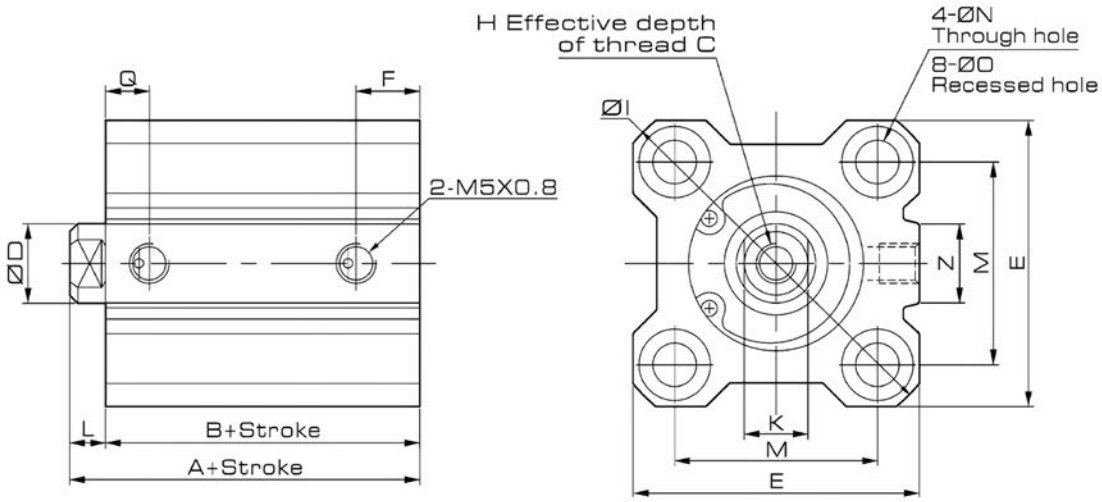
Return Catalog

CQ2 Series
Thin Type Cylinder

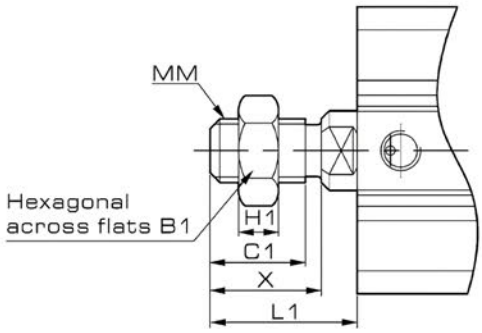
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

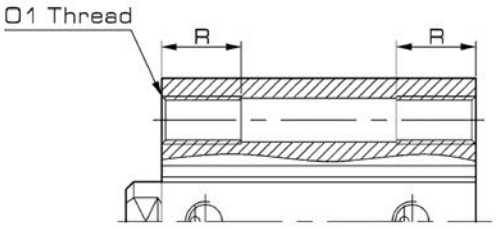
Ø12~Ø25 Without magnet Standard (Thru hole) /CQ2B



Male Piston Rod Thread



Both Ends of Thread /CQ2A



Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5~30	20.5	17	6	6	25	5	M3×0.5	32	5	3.5	15.5
16	5~30	22	18.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
20	5~30	24	19.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
25	5~30	27.5	22.5	12	12	40	5.5	M6×1.0	52	10	5	28

Bore/Symbol	N	O	Q	Z	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	7.5	-	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	8	10	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	3.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	3.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

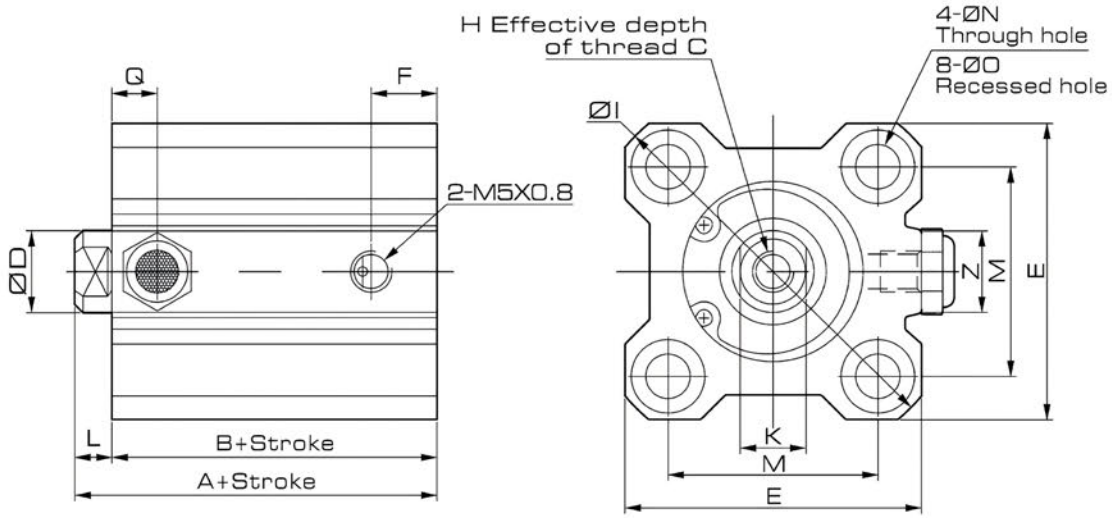
Return Catalog

CQ2 Series
Thin Type Cylinder

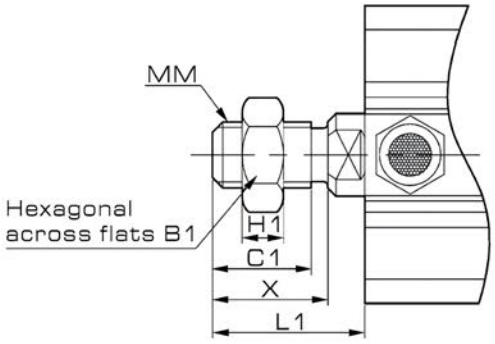
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

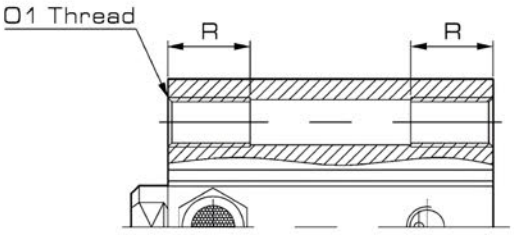
Ø12~Ø25 Without magnet Spring-out (Thru hole) /CQ2SB



Male Piston Rod Thread



Both Ends of Thread /CQ2SA



Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5/10	30.5	27	6	6	25	5	M3×0.5	32	5	3.5	15.5
	15/20	40.5	37									
16	5/10	32	28.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
	15/20	42	38.5									
20	5/10	34	29.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
	15/20/25/30	44	39.5									
25	5/10	37.5	32.5	12	12	40	5.5	M6×1.0	52	10	5	28
	15/20/25/30	47.5	42.5									

Bore/Symbol	N	O	Q	Z	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	7.5	-	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	8	10	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	5.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	5.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

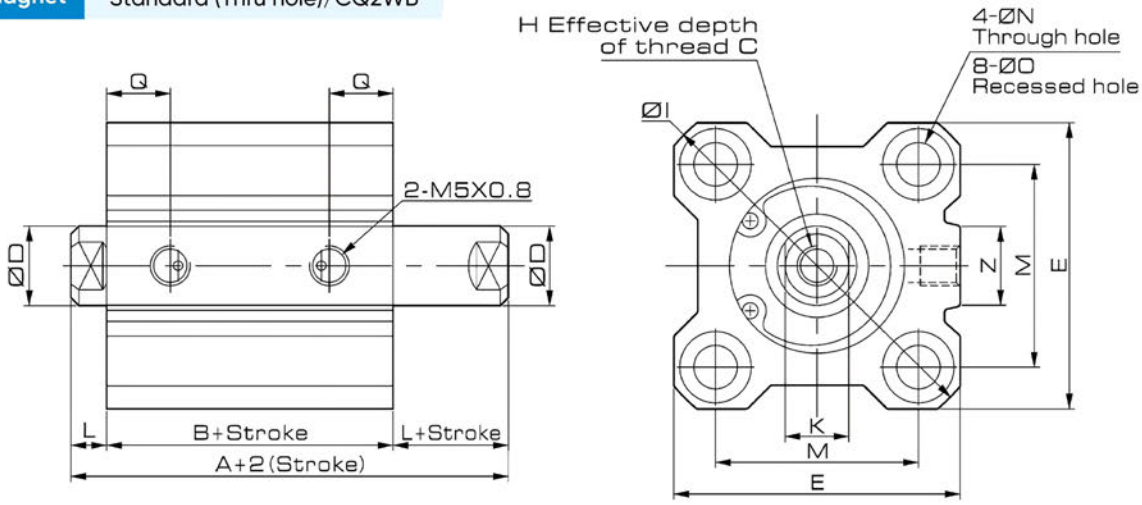
Return Catalog

CQ2 Series
Thin Type Cylinder

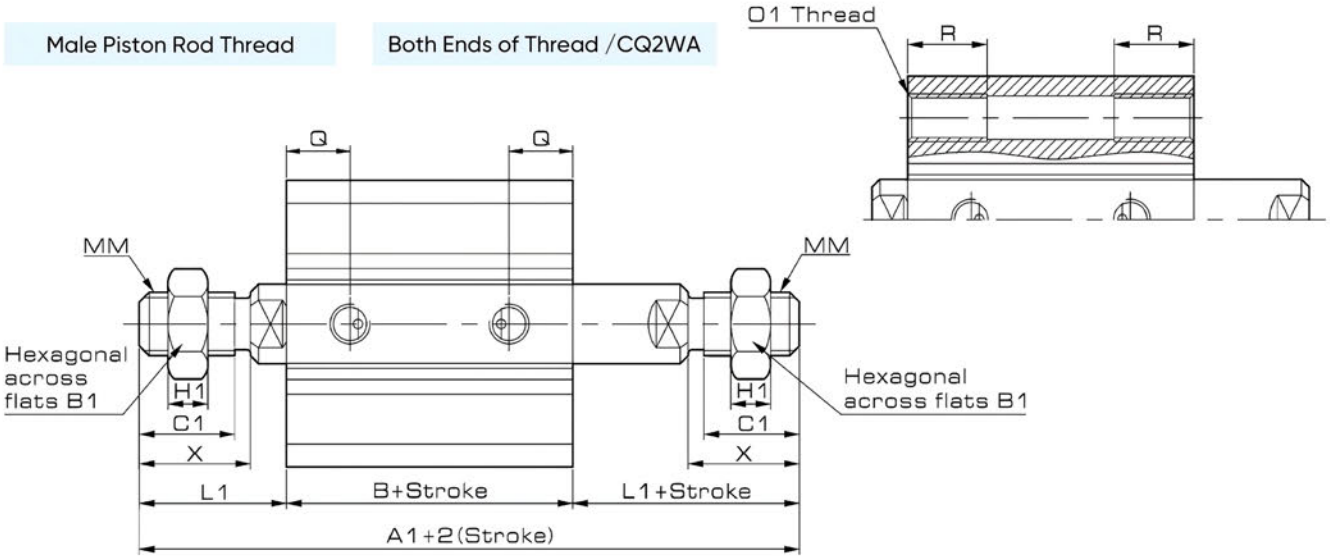
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

Ø12~Ø25 Without magnet | Standard (Thru hole)/CQ2WB



Male Piston Rod Thread | Both Ends of Thread /CQ2WA



Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	H	I	K	L	M	N
12	5~30	32.2	25.2	6	6	25	M3×0.5	32	5	3.5	15.5	3.5
16	5~30	33	26	8	8	29	M4×0.7	38	6	3.5	20	3.5
20	5~30	35	26	7	10	36	M5×0.8	47	8	4.5	25.5	5.5
25	5~30	39	29	12	12	40	M6×1.0	52	10	5	28	5.5

Bore/Symbol	O	Q	Z	A1	B1	C1	H1	L1	MM	X	Q1	R
12	6.5 Deep 3.5	9	-	43.2	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	6.5 Deep 3.5	9.5	10	57	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	9 Deep 7	8	10	63	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	9 Deep 7	9	10	74	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

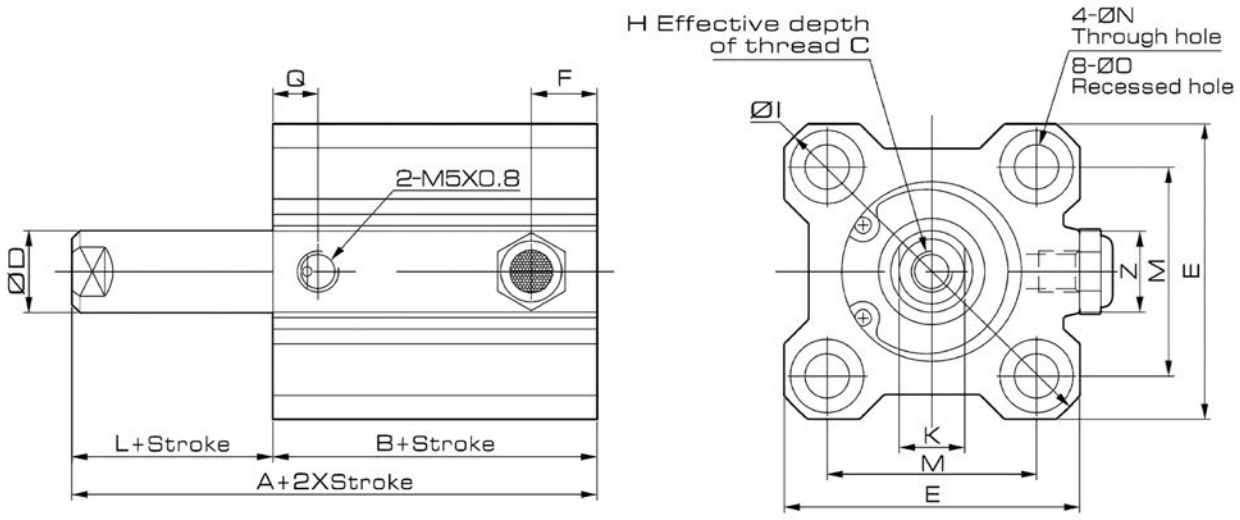
Return Catalog

CQ2 Series
Thin Type Cylinder

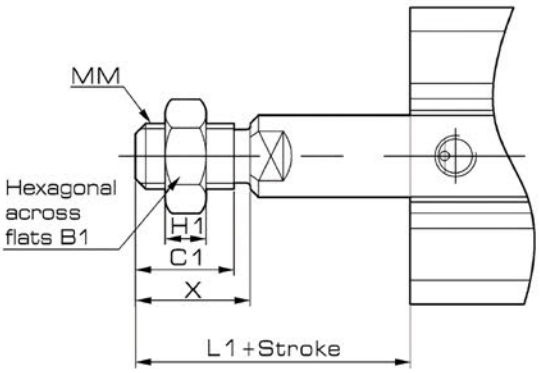
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

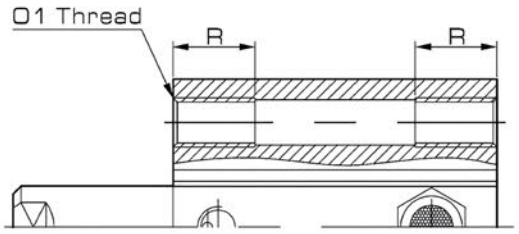
Ø12~Ø25 Without magnet Spring-in (Thru hole)/CQ2TB



Male Piston Rod Thread



Both Ends of Thread /CQ2TA



Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5/10	30.5	27	6	6	25	5	M3×0.5	32	5	3.5	15.5
	15/20	40.5	37									
16	5/10	32	28.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
	15/20	42	38.5									
20	5/10	34	29.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
	15/20/25/30	44	39.5									
25	5/10	37.5	32.5	12	12	40	5.5	M6×1.0	52	10	5	28
	15/20/25/30	47.5	42.5									

Bore/Symbol	N	O	Q	Z	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	7.5	-	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	8	10	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	5.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	5.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

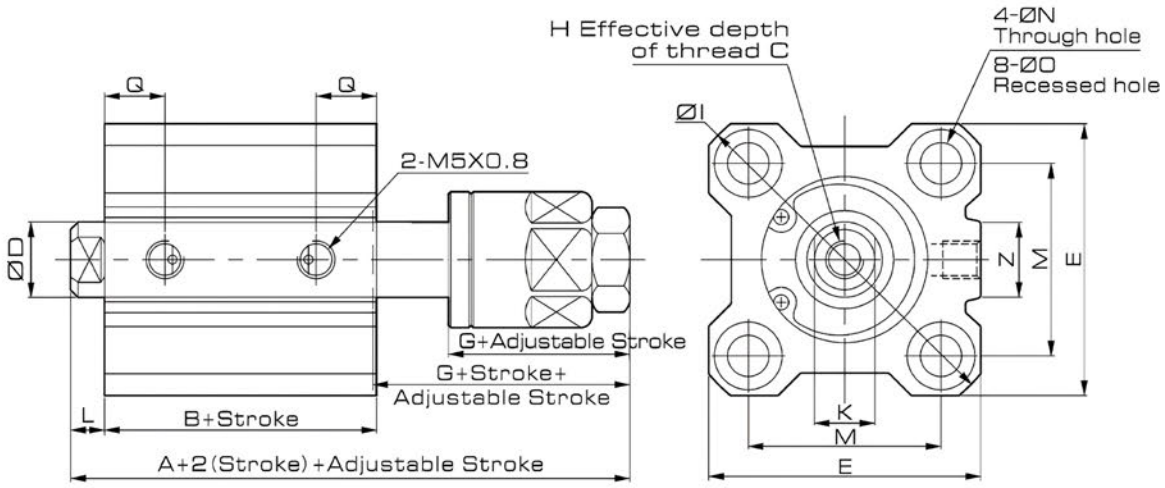
Return Catalog

CQ2 Series
Thin Type Cylinder

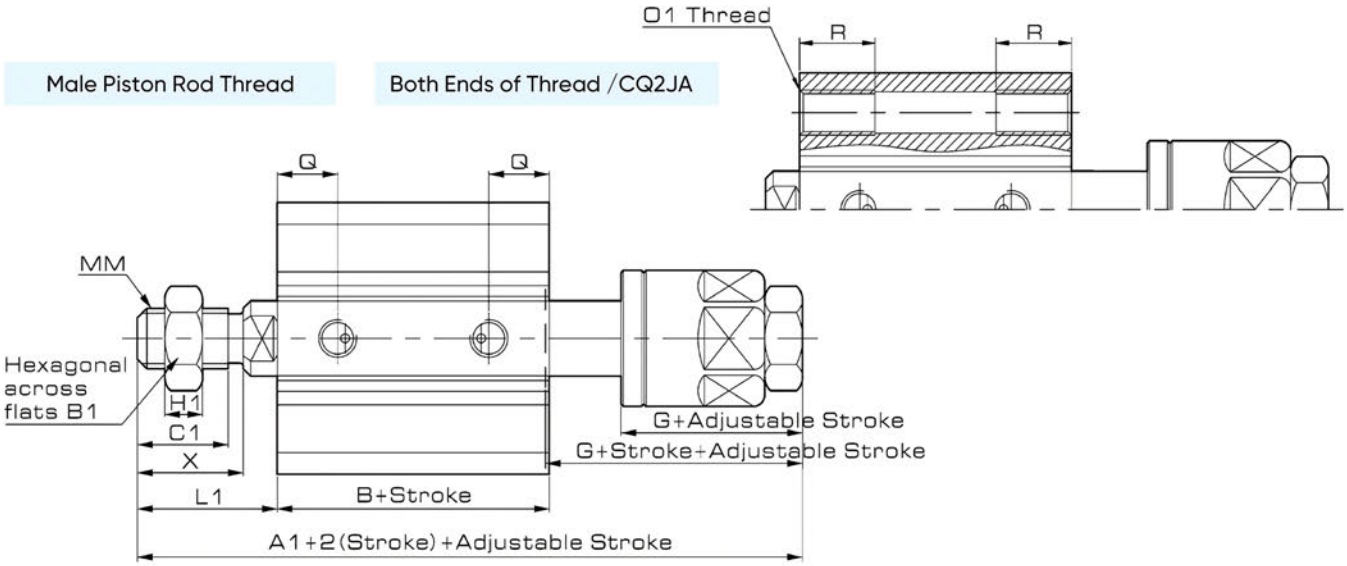
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

Ø12~Ø25 Without magnet | Standard (Thru hole)/CQ2JB



Male Piston Rod Thread | Both Ends of Thread /CQ2JA



Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	G	H	I	K	L	M	N
12	5~30	45.2	25.2	6	6	25	17	M3×0.5	32	5	3.5	15.5	3.5
16	5~30	50	26	8	8	29	21	M4×0.7	38	6	3.5	20	3.5
20	5~30	54	26	7	10	36	24	M5×0.8	47	8	4.5	25.5	5.5
25	5~30	60.5	29	12	12	40	27	M6×1.0	52	10	5	28	5.5

Bore/Symbol	O	Q	Z	A1	B1	C1	H1	L1	MM	X	Q1	R
12	6.5 Deep 3.5	9	-	55.7	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	6.5 Deep 3.5	9.5	10	62	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	9 Deep 7	8	10	68	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	9 Deep 7	9	10	78	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

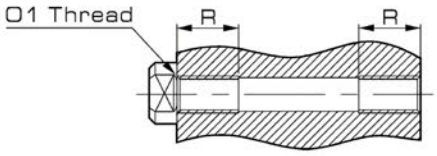
Return Catalog

CQ2 Series
Thin Type Cylinder

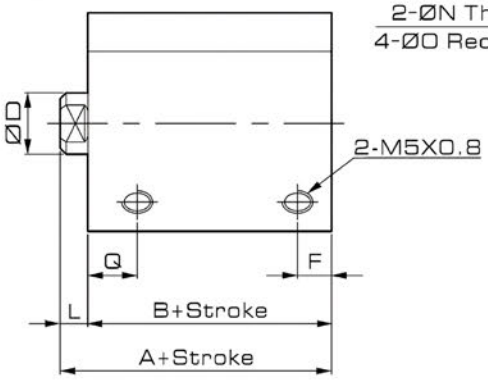
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

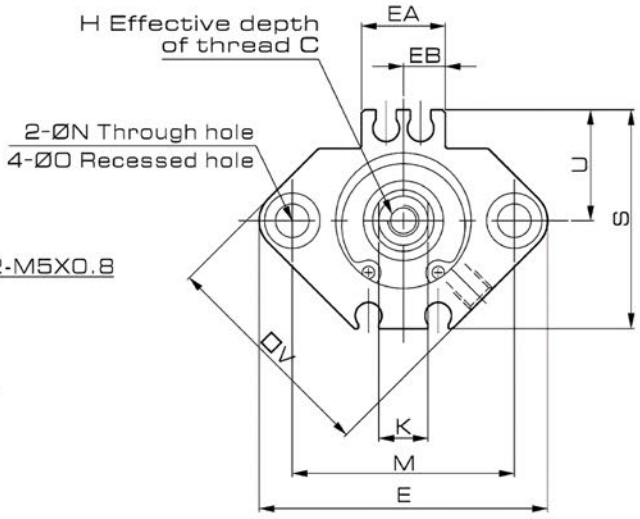
Overall Dimension

Ø12~Ø25 Without magnet Both Ends of Thread/CDQ2A

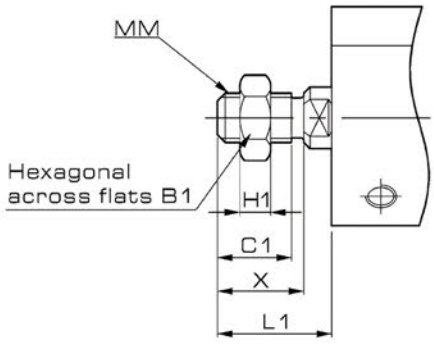


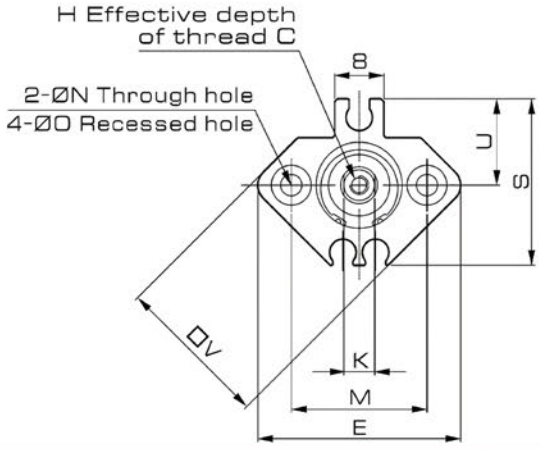
Standard (Thru hole)/CDQ2B Ø16~Ø25





Male Piston Rod Thread Ø12





Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M	N
12	5~30	31.5	28	6	6	33	-	-	7	M3×0.5	5	3.5	22	3.5
16	5~30	34	30.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28	3.5
20	5~30	36	31.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36	5.5
25	5~30	37.5	32.5	12	12	52	13.6	6.8	5.5	M6×1.0	10	5	40	5.5

Bore/Symbol	O	Q	S	U	V	B1	C1	H1	L1	MM	X	Q1	R
12	6.5 Deep 3.5	9	27.5	14	25	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	6.5 Deep 3.5	9.5	29.5	15	29	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	9 Deep 7	8	35.5	18	36	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	9 Deep 7	9	40.5	21	40	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

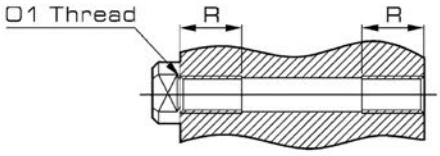
Return Catalog

CQ2 Series
Thin Type Cylinder

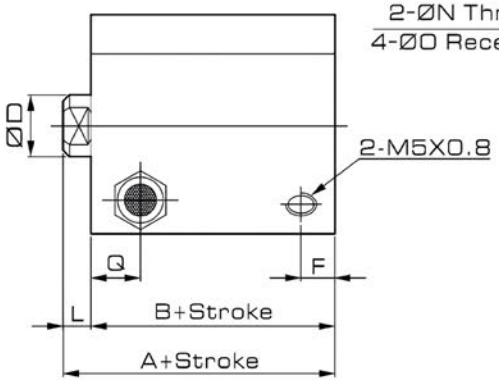
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

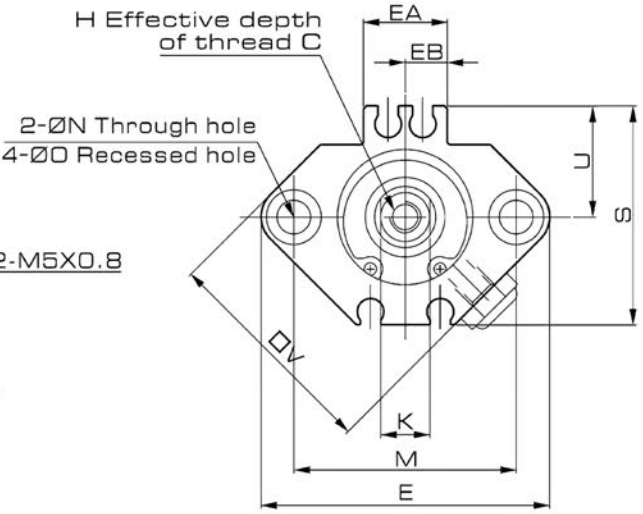
Overall Dimension

Ø12~Ø25 Without magnet Both Ends of Thread / CDQ2SA



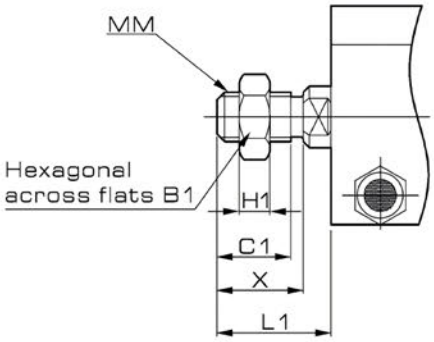
Spring-out (Thru hole) / CDQ2SB / Ø16~Ø25

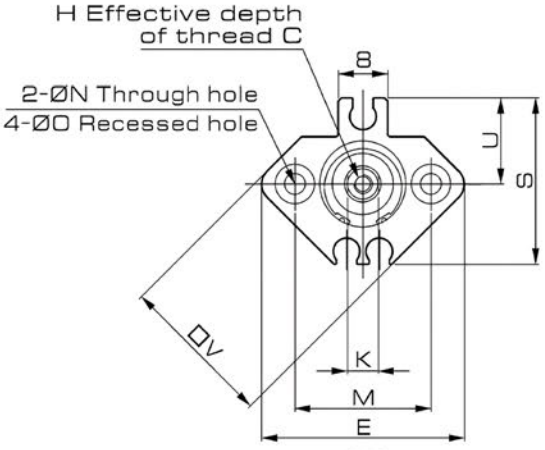




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M
12	5/10	41.5	38	6	6	33	-	-	7	M3×0.5	5	3.5	22
	15/20	51.5	48										
16	5/10	44	40.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28
	15/20	54	50.5										
20	5/10	46	41.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36
	15/20/25/30	56	51.5										
25	5/10	47.5	42.5	12	12	52	13.6	6.8	5.5	M6×1.0	10	5	40
	15/20/25/30	57.5	52.5										

Bore/Symbol	N	O	Q	S	U	V	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	9	27.5	14	9	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	9.5	29.5	15	10	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	5.5	9 deep 7	8	35.5	18	12	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	5.5	9 deep 7	9	40.5	21	15	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

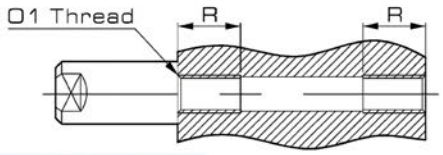
Return Catalog

CQ2 Series
Thin Type Cylinder

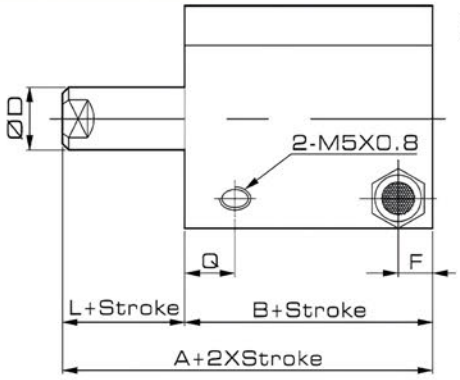
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

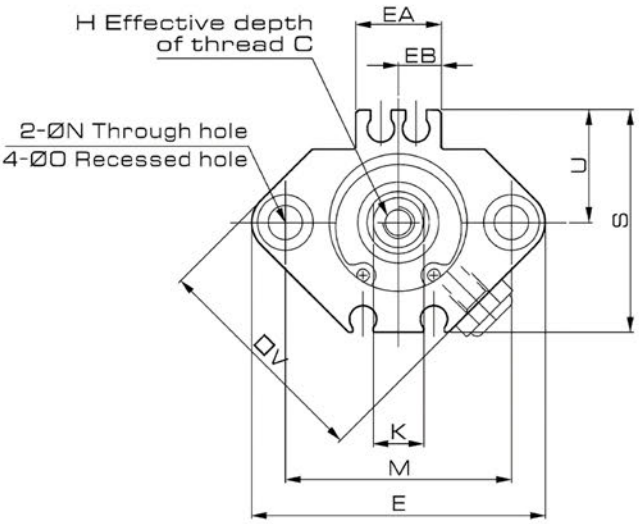
Overall Dimension

Ø12~Ø25 Without magnet Both Ends of Thread / CDQ2TA



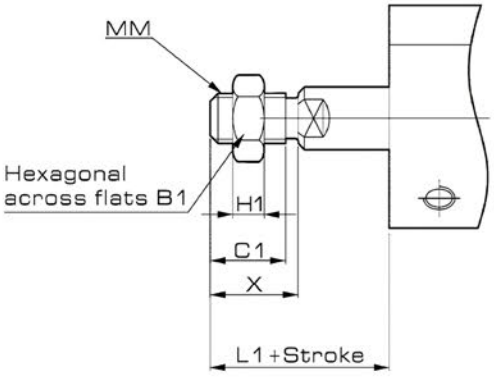
Spring-out (Thru hole) / CDQ2TB / Ø16~Ø25

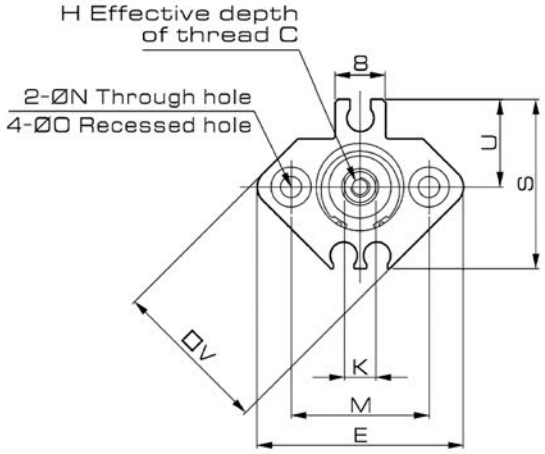




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M
12	5/10	41.5	38	6	6	33	-	-	7	M3×0.5	5	3.5	22
	15/20	51.5	48										
16	5/10	44	40.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28
	15/20	54	50.5										
20	5/10	46	41.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36
	15/20/25/30	56	51.5										
25	5/10	47.5	42.5	12	12	52	13.6	6.8	5.5	M6×1.0	10	5	40
	15/20/25/30	57.5	52.5										

Bore/Symbol	N	O	Q	S	U	V	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	9	27.5	14	25	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	9.5	29.5	15	29	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	5.5	9 deep 7	8	35.5	18	36	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	5.5	9 deep 7	9	40.5	21	40	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

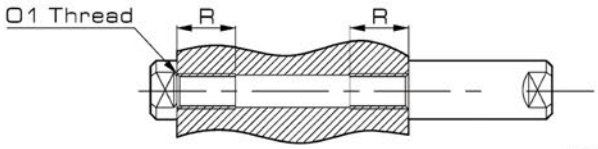
Return Catalog

CQ2 Series
Thin Type Cylinder

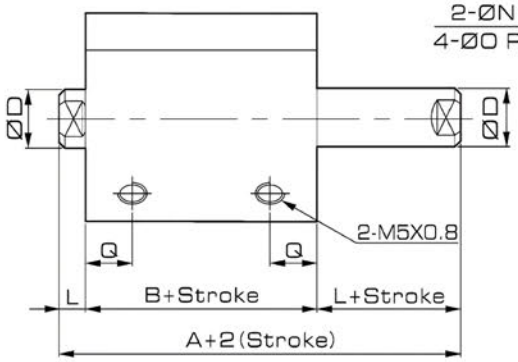
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

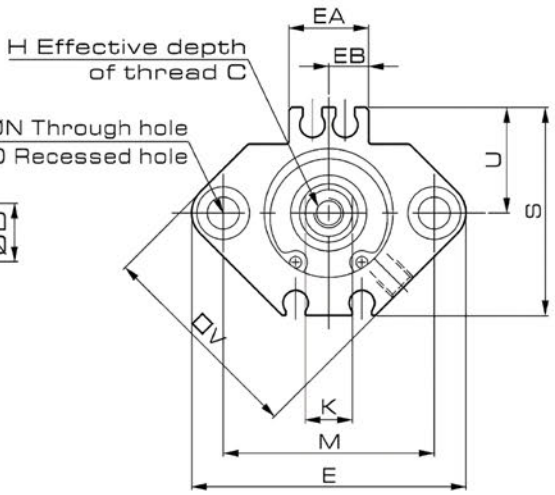
Overall Dimension

Ø12~Ø25 Without magnet Both Ends of Thread / CDQ2WA



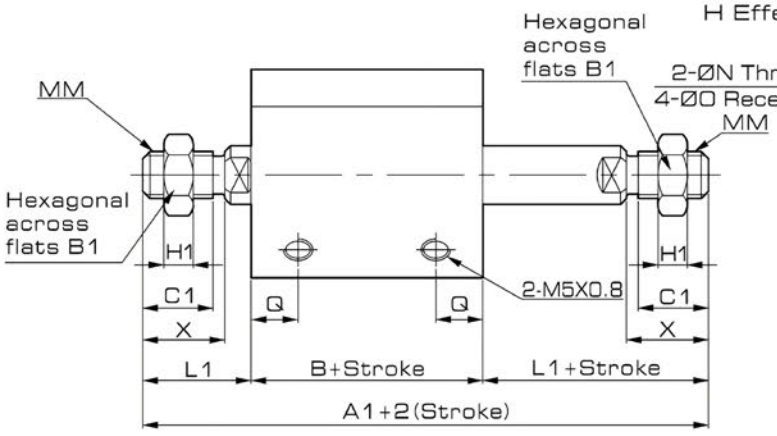
Standard (Thru hole)/CDQ2WB / Ø16~Ø25

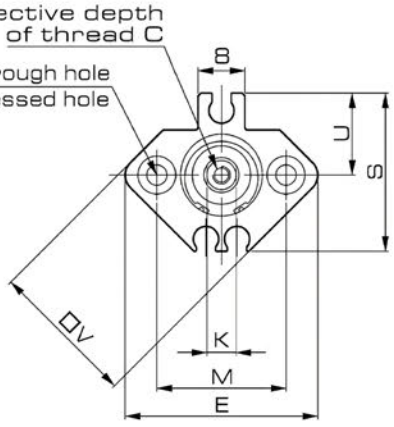




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	H	K	L	M	O
12	5~30	39.4	32.4	6	6	33	-	-	M3×0.5	5	3.5	22	6.5 Deep 3.5
16	5~30	43	36	8	8	37	13.2	6.6	M4×0.7	6	3.5	28	6.5 Deep 3.5
20	5~30	47	38	7	10	47	13.6	6.8	M5×0.8	8	4.5	36	9 Deep 7
25	5~30	49	39	12	12	52	13.6	6.8	M6×1.0	10	5	40	9 Deep 7

Bore/Symbol	Q	S	U	V	A1	B1	C1	H1	L1	MM	X	Q1	R
12	9	27.5	14	25	60.4	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	9.5	29.5	15	29	67	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	8	35.5	18	36	75	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	9	40.5	21	40	84	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

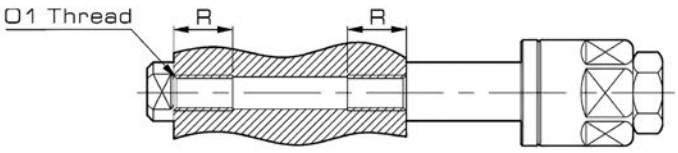
Return Catalog

CQ2 Series
Thin Type Cylinder

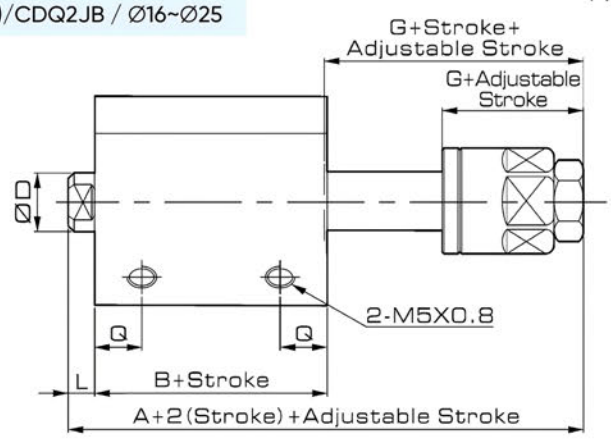
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

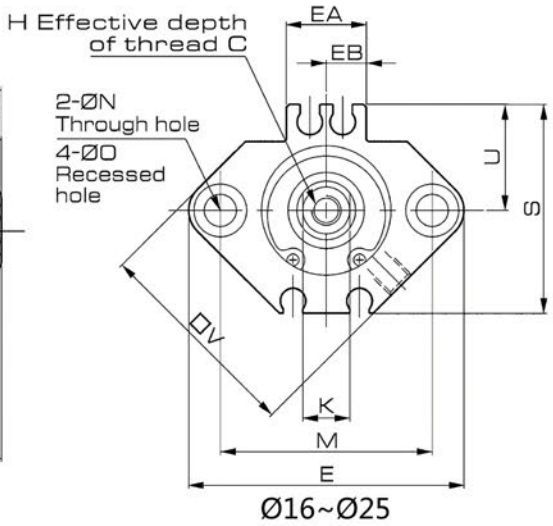
Overall Dimension

Ø12~Ø25 Without magnet Both Ends of Thread / CDQ2JA



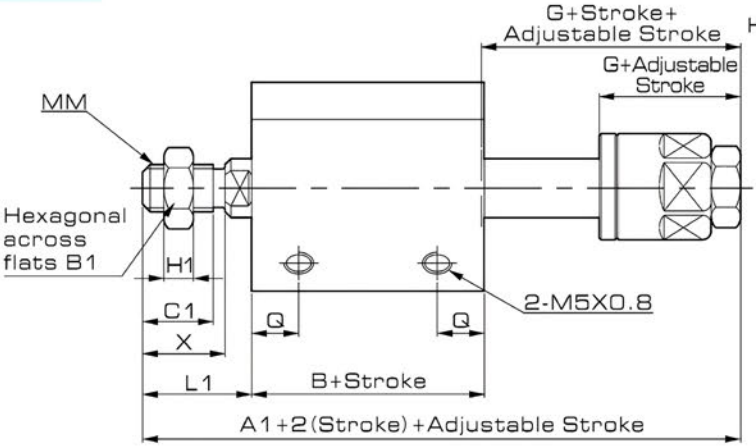
Standard (Thru hole)/CDQ2JB / Ø16~Ø25

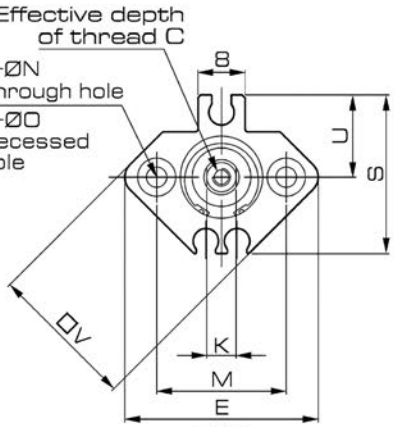




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	G	H	K	L	M	O
12	5~30	52.4	32.4	6	6	33	-	-	17	M3×0.5	5	3.5	22	6.5 Deep 3.5
16	5~30	60	36	8	8	37	13.2	6.6	21	M4×0.7	6	3.5	28	6.5 Deep 3.5
20	5~30	66	38	7	10	47	13.6	6.8	24	M5×0.8	8	4.5	36	9 Deep 7
25	5~30	70.5	39	12	12	52	13.6	6.8	27	M6×1.0	10	5	40	9 Deep 7

Bore/Symbol	O	Q	S	U	V	A1	B1	C1	H1	L1	MM	X	Q1	R
12	6.5 Deep 3.5	9	27.5	14	25	62.9	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	6.5 Deep 3.5	9.5	29.5	15	29	72	10	10	5	15.5	M6×1.0	12	M4×0.7	7
20	9 Deep 7	8	35.5	18	36	80	13	12	5	18.5	M8×1.25	14	M6×1.0	10
25	9 Deep 7	9	40.5	21	40	88	17	15	6	22.5	M10×1.25	17.5	M6×1.0	10

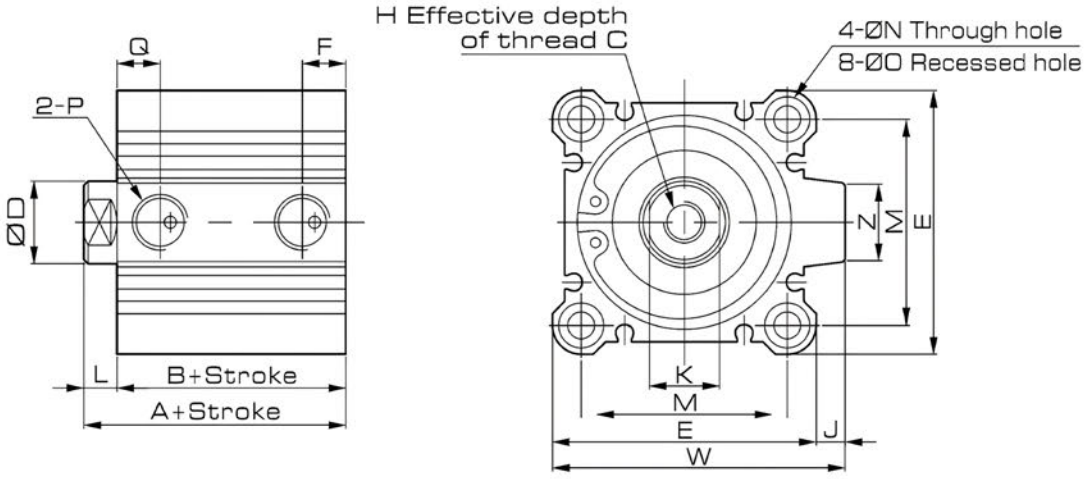
Return Catalog

CQ2 Series
Thin Type Cylinder

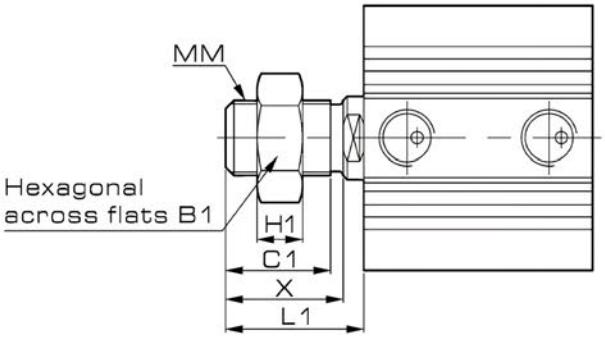
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

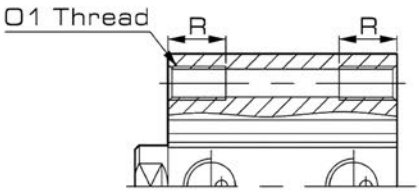
Ø32~Ø100 Without magnet /With magnet Standard (Thru hole) CQ2B / CDQ2B



Male Piston Rod Thread



Both Ends of Thread CQ2A / CDQ2A



Dimension

Bore/Symbol	Stroke Range(mm)	Without Magnet				With Magnet				C	D	E	H	J	K
		A	B	F	Q	A	B	F	Q						
32	5	30	23	6.5	7.5	40	33	7.5	10	13	16	45	M8×1.25	4.5	14
	10~50			7.5	10										
	50~100	40	33												
40	5	36.5	29.5	8	11	46.5	39.5	7.5	12.5	13	16	52	M8×1.25	5	14
	10~50			7.5	12.5										
	50~100	46.5	39.5												
50	5	38.5	30.5	9	9	48.5	40.5	10.5	10.5	15	20	64	M10×1.5	7	17
	10~50			10.5	10.5										
	50~100	48.5	40.5												
63	5	44	36	9.5	14	54	46	10.5	15	15	20	77	M10×1.5	7	17
	10~50			10.5	15										
	50~100	54	46												
80	5~50	53.5	43.5	12.5	16	63.5	53.5	12.5	16	21	25	98	M16×2.0	6	22
	50~100	63.5	53.5												
100	5~50	65	53	13	23	75	63	13	23	27	32	117	M20×2.5	6.5	27
	50~100	75	63												

Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
32	7	34	5.5	9 Deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1.0	10
40	7	40	5.5	9 Deep 7	1/8	57	15	22	205	8	28.5	M14×1.5	23.5	M6×1.0	10
50	8	50	6.6	11 Deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
63	8	60	9	14 Deep 10.5	1/4	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18
80	10	77	11	17.5 Deep 13.5	3/8	104	25	32	32.5	13	43.5	M22×1.5	35.5	M12×1.75	22
100	12	94	11	17.5 Deep 13.5	3/8	123.5	25	41	32.5	13	43.5	M26×1.5	35.5	M12×1.75	22

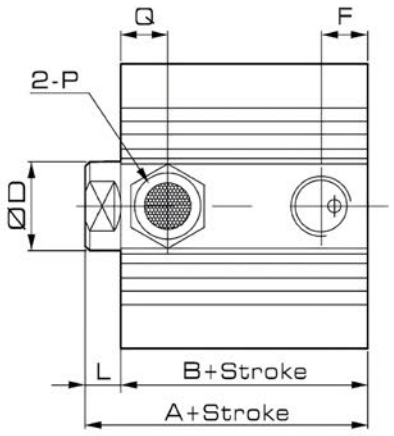
Return Catalog

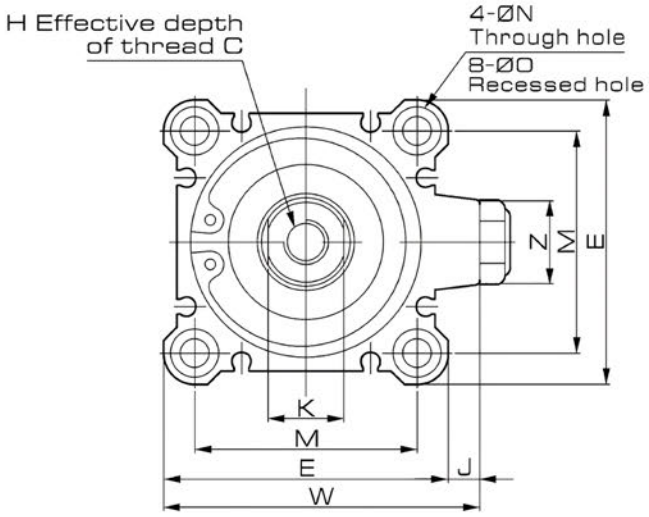
CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

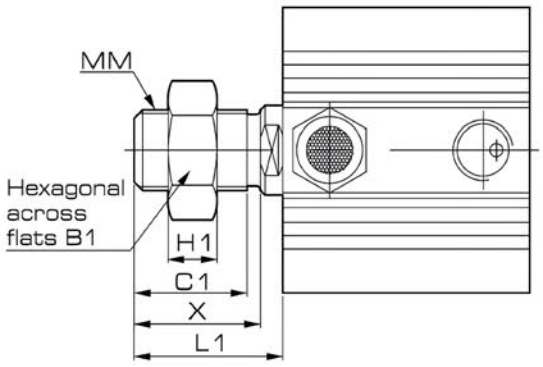
Overall Dimension

Ø32~Ø100 Without magnet /With magnet Standard (Thru hole) CQ2SB / CDQ2SB

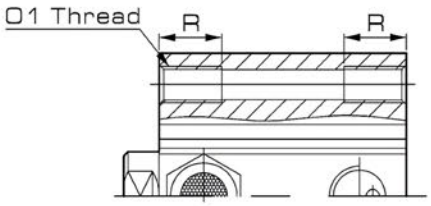




Male Piston Rod Thread



Both Ends of Thread CQ2SA / CDQ2SA



Dimension

Bore/Symbol	Stroke Range(mm)	Without Magnet				With Magnet				C	D	E	H	J	K
		A	B	F	Q	A	B	F	Q						
32	5/10	40	33	7.5	10	50	43	7.5	10	13	16	45	M8×1.25	4.5	14
	15/20/25/30	50	43			60	53								
40	5/10	36.5	29.5	7.5	12.5	56.5	49.5	7.5	12.5	13	16	52	M8×1.25	5	14
	15/20/25/30	46.5	39.5			66.5	59.5								
50	5/10	38.5	30.5	10.5	10.5	58.5	50.5	10.5	10.5	15	20	64	M10×1.5	7	17
	15/20/25/30	48.5	40.5			68.5	60.5								
63	5/10	44	36	10.5	15	64	56	10.5	15	15	20	77	M10×1.5	7	17
	15/20/25/30	54	46			74	66								

Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
12	7	34	5.5	9 Deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1.0	10
16	7	40	5.5	9 Deep 7	1/8	57	15	22	205	8	28.5	M14×1.5	23.5	M6×1.0	10
20	8	50	6.6	11 Deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
25	8	60	9	14 Deep 10.5	1/4	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18

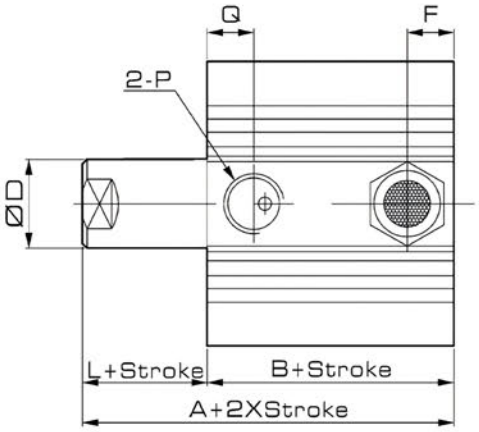
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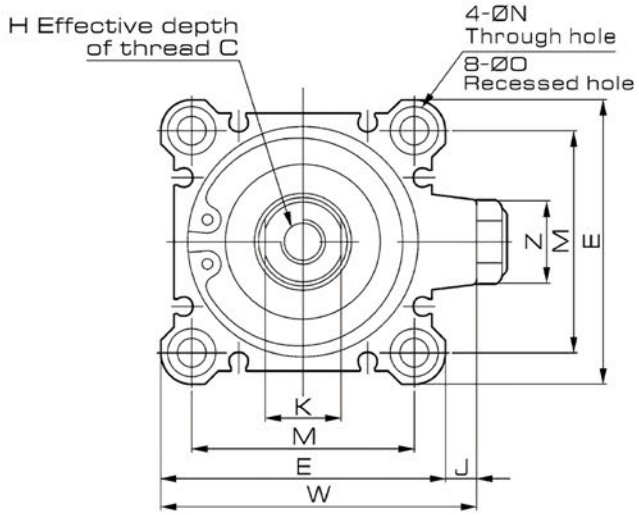
CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

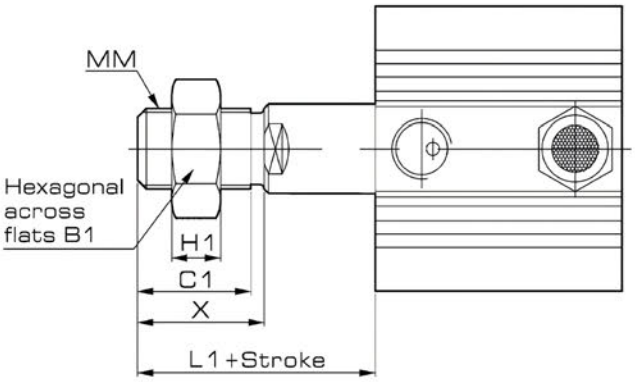
Overall Dimension

Ø32~Ø100 Without magnet /With magnet Spring-out (Thru hole) CQ2TB / CDQ2TB

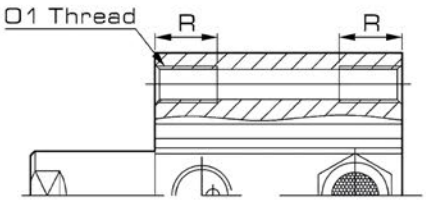




Male Piston Rod Thread



Both Ends of Thread CQ2TA / CDQ2TA



Dimension

Bore/Symbol	Stroke Range(mm)	Without Magnet				With Magnet				C	D	E	H	J	K
		A	B	F	Q	A	B	F	Q						
32	5/10	40	33	7.5	10	50	43	7.5	10	13	16	45	M8×1.25	4.5	14
	15/20/25/30	50	43			60	53								
40	5/10	36.5	29.5	7.5	12.5	56.5	49.5	7.5	12.5	13	16	52	M8×1.25	5	14
	15/20/25/30	46.5	39.5			66.5	59.5								
50	5/10	38.5	30.5	10.5	10.5	58.5	50.5	10.5	10.5	15	20	64	M10×1.5	7	17
	15/20/25/30	48.5	40.5			68.5	60.5								
63	5/10	44	36	10.5	15	64	56	10.5	15	15	20	77	M10×1.5	7	17
	15/20/25/30	54	46			74	66								

Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
12	7	34	5.5	9 Deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1.0	10
16	7	40	5.5	9 Deep 7	1/8	57	15	22	205	8	28.5	M14×1.5	23.5	M6×1.0	10
20	8	50	6.6	11 Deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
25	8	60	9	14 Deep 10.5	1/4	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18

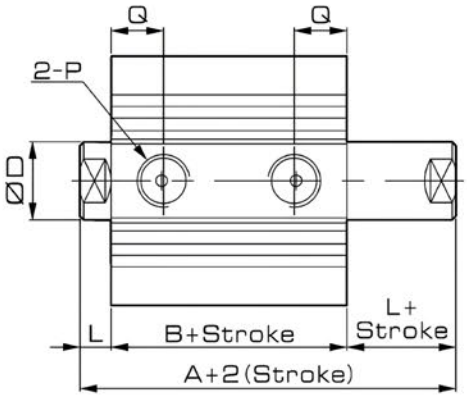
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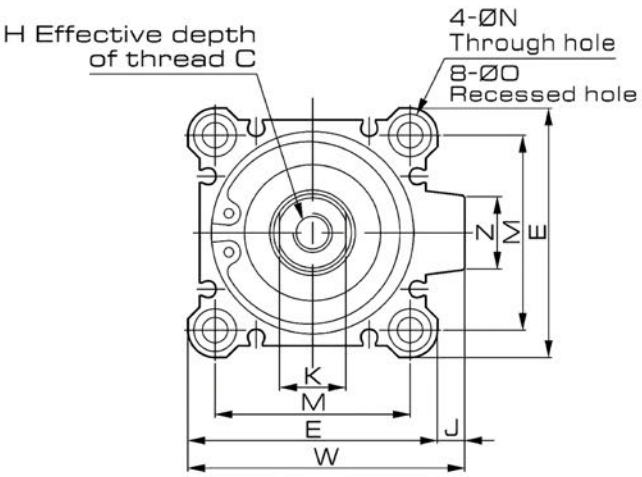
CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

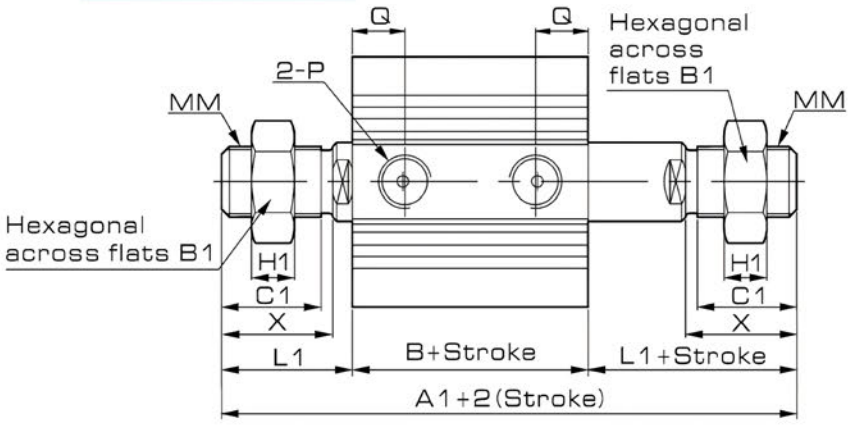
Overall Dimension

Ø32~Ø100 Without magnet /With magnet Standard (Thru hole) CQ2WB / CDQ2WB

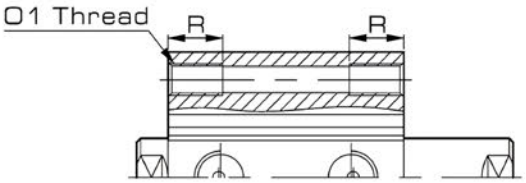




Male Piston Rod Thread



Both Ends of Thread CQ2WA / CDQ2WA



Dimension

Bore/Symbol	Stroke Range(mm)	Without Magnet			With Magnet			C	D	E	H	J	K	L	M	N	O
		A	A1	B	A	A1	B										
32	5~50	44.5	87.5	30.5	54.5	97.5	40.5	13	16	45	M8×1.25	4.5	14	7	34	5.5	9 Deep 7
	50~100	54.5	97.5	40.5													
40	5~50	54	97	40	64	107	50	13	16	52	M8×1.25	5	14	7	40	5.5	9 Deep 7
	50~100	64	107	50													
50	5~50	56.5	107.5	40.5	66.5	117.5	50.5	15	20	64	M10×1.5	7	17	8	50	6.6	11 Deep 8
	50~100	66.5	117.5	50.5													
63	5	58	109	42	68	119	52	15	20	77	M10×1.5	7	17	8	60	9	14 Deep 10.5
	10~50																
	50~100	68	119	52													
80	5~50	71	138	51	81	148	61	21	25	98	M16×2.0	6	22	10	77	11	17 Deep 13.5
	50~100	81	148	61													
100	5~50	84.5	147.5	60.5	94.5	157.5	70.5	27	32	117	M20×2.5	6.5	27	12	94	11	17 Deep 13.5
	50~100	94.5	157.5	70.5													

Bore/Symbol	P	Q	W	Z	B1	C1	H1	L1	MM	X	O1	R
32	1/8	10	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
40	1/8	13	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
50	1/4	13	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
63	1/4	Stroke 5mm: 14.5	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18
		Stroke10~50mm and 50~100mm:16										
80	3/8	16	104	25	32	32.5	13	43.5	M22×1.5	35.5	M12×1.75	22
100	3/8	20	123.5	25	41	32.5	16	43.5	M26×1.5	35.5	M12×1.75	22

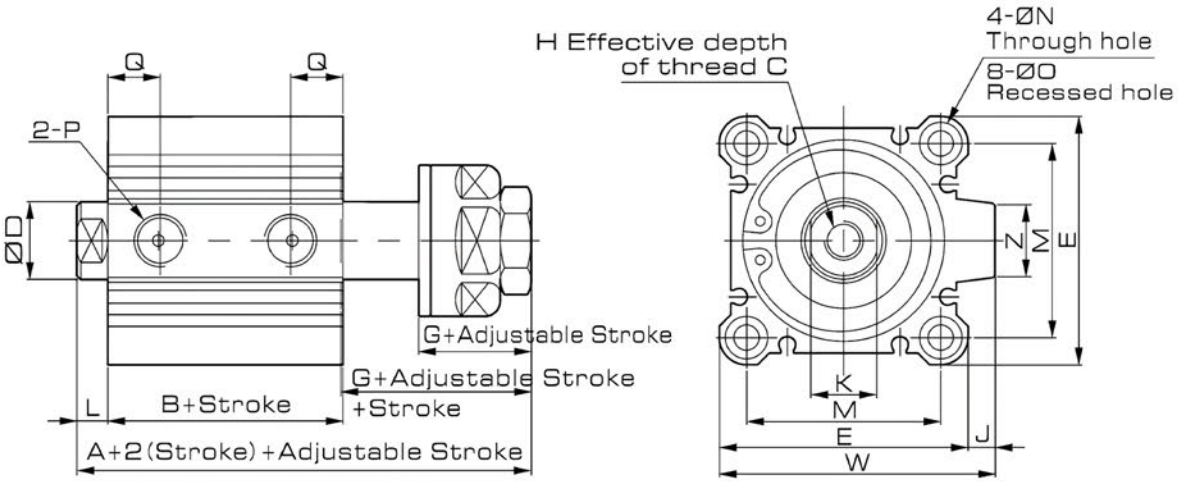
Return Catalog

CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

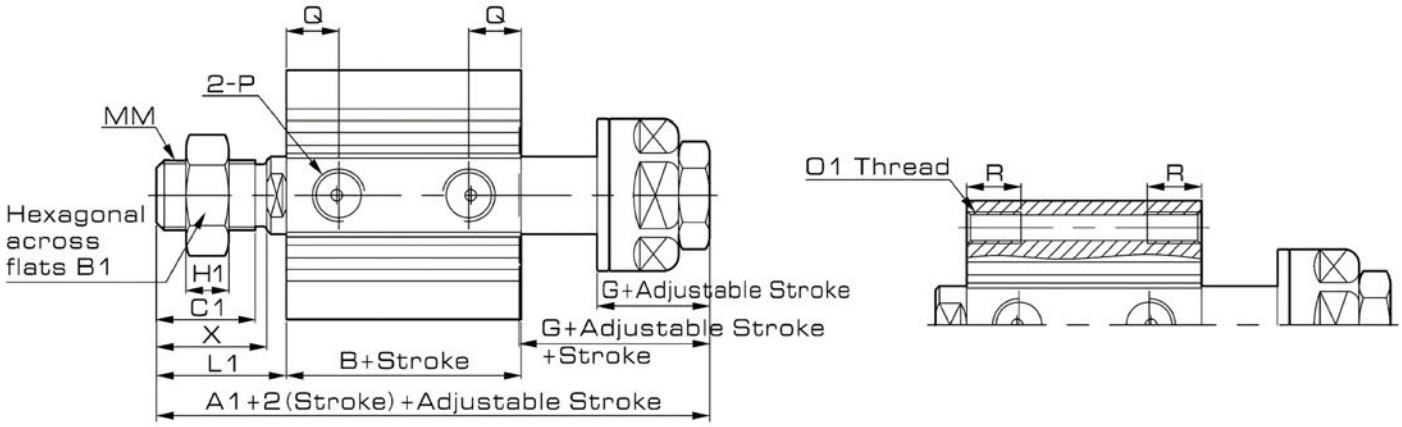
Overall Dimension

Ø32~Ø100 Without magnet /With magnet Standard (Thru hole) CQ2JB / CDQ2JB



Male Piston Rod Thread

Both Ends of Thread CQ2JA / CDQ2JA



Dimension

Bore/Symbol	Stroke Range(mm)	Without Magnet			With Magnet			C	D	E	G	H	J	K	L	M	N
		A	A1	B	A	A1	B										
32	5~50	65	86.5	30.5	54.5	96.5	40.5	13	16	45	13	M8×1.25	4.5	14	7	34	5.5
	50~100	75	96.5	40.5													
40	5~50	74.5	96	40	64	106	50	13	16	52	13	M8×1.25	5	14	7	40	5.5
	50~100	84.5	106	50													
50	5~50	77	102.5	40.5	66.5	112.5	50.5	15	20	64	15	M10×1.5	7	17	8	50	6.6
	50~100	87	112.5	50.5													
63	5~50	78.5	104	42	68	114	52	15	20	77	15	M10×1.5	7	17	8	60	9
	50~100	88.5	114	52													
80	5~50	96	129.5	51	81	139.5	61	21	25	98	21	M16×2.0	6	22	10	77	11
	50~100	106	139.5	61													
100	5~50	114.5	146	60.5	94.5	156	70.5	27	31	117	27	M20×2.5	6.5	27	12	94	11
	50~100	124.5	156	70.5													

Bore/Symbol	O	P	Q	W	Z	B1	C1	H1	L1	MM	X	O1	R
32	9 Deep 7	1/8	10	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
40	9 Deep 7	1/8	13	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
50	11 Deep 8	1/4	13	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
63	14 Deep 10.5	1/4	Stroke 5~50 mm: 14.5 Stroke 50~100 mm:16	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18
80	17 Deep 13.5	3/8	16	104	25	32	32.5	13	43.5	M22×1.5	35.5	M12×1.75	22
100	17 Deep 13.5	3/8	20	123.5	25	41	32.5	16	43.5	M26×1.5	35.5	M12×1.75	22

Return Catalog

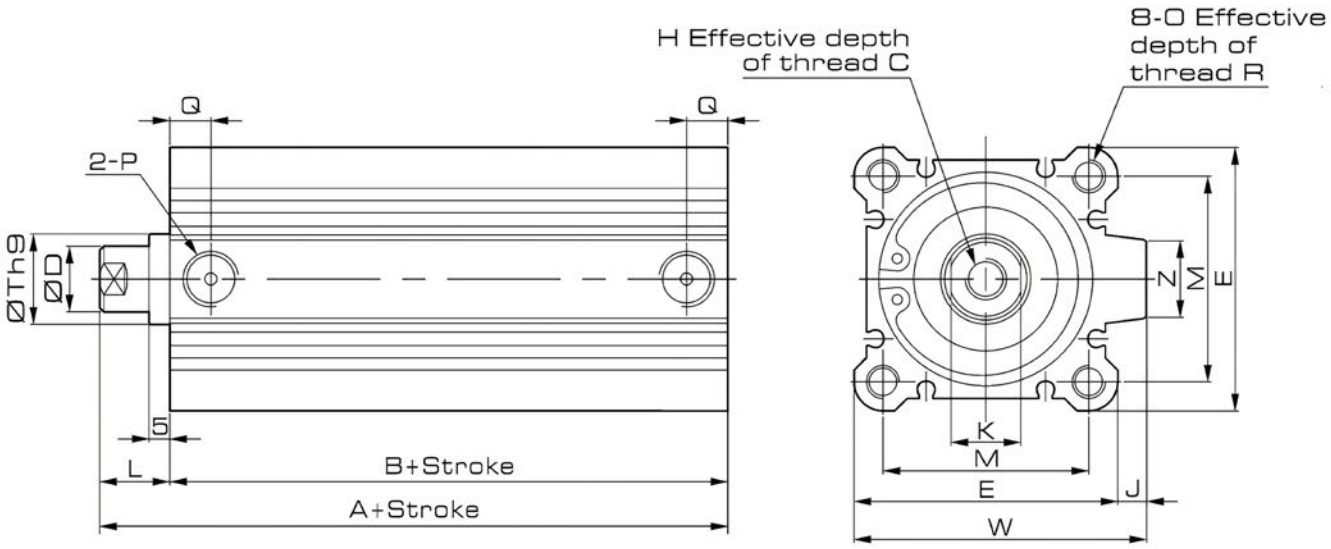
CQ2 Series
Thin Type Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

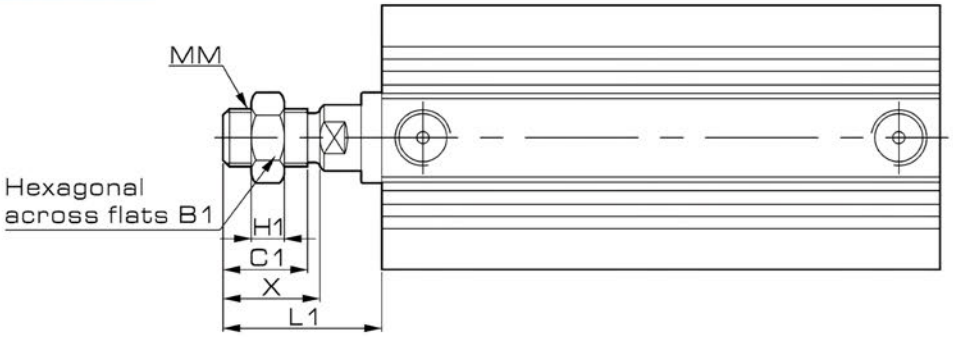
Overall Dimension

Ø32~Ø100 Without magnet /With magnet | Both Ends of Thread CQ2A / CDQ2A

Cylinder with or without magnet is the same size



Male Piston Rod Thread



Dimension

Bore/Symbol	Stroke Range(mm)	A	B	C	D	E	H	J	K	L	M	P	Q
32	100~300	62.5	45.5	13	16	45	M8×1.25	4.5	14	17	34	1/8	12.5
40		72	55	13	16	52	M8×1.25	5	14	17	40	1/8	14
50		73.5	55.5	15	20	67	M10×1.5	7	17	18	50	1/4	14
63		75	57	15	20	77	M10×1.5	7	17	18	60	1/4	16.5
80		86	66	21	25	98	M16×2.0	6	22	20	77	3/8	19
100		97.5	75.5	27	32	117	M20×2.5	6.5	27	2	94	3/8	23

Bore/Symbol	W	Z	B1	C1	H1	L1	MM	X	O	R	Th9
32	49.5	14	22	20.5	8	38.5	M14×1.5	23.5	M6×1.0	10	22
40	57	15	22	20.5	8	38.5	M14×1.5	23.5	M6×1.0	10	28
50	71	19	27	26	11	43.5	M18×1.5	28.5	M8×1.25	14	35
63	84	19	27	26	11	43.5	M14×1.5	28.5	M10×1.25	18	35
80	104	25	32	32.5	13	53.5	M22×1.5	35.5	M12×1.75	22	43
100	123.5	25	41	32.5	16	53.5	M26×2.5	35.5	M12×1.75	22	59

Return Catalog

TCQ2 Series
Guide Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Ordering Code

T	CDQ2	C	32	30	MT
Function Code	Inner Magnet	Mounting	Bore	Stroke	Sensor
Thin type with guide cylinder	Blank: Without Magnet	Counterbore wiht thread type	32 / 40	5~50	AR-07R
	D: With Magnet		50 / 63	75~100	Standard wire is 1 meter, please order for other length
			63 / 80		
			100		



Specification

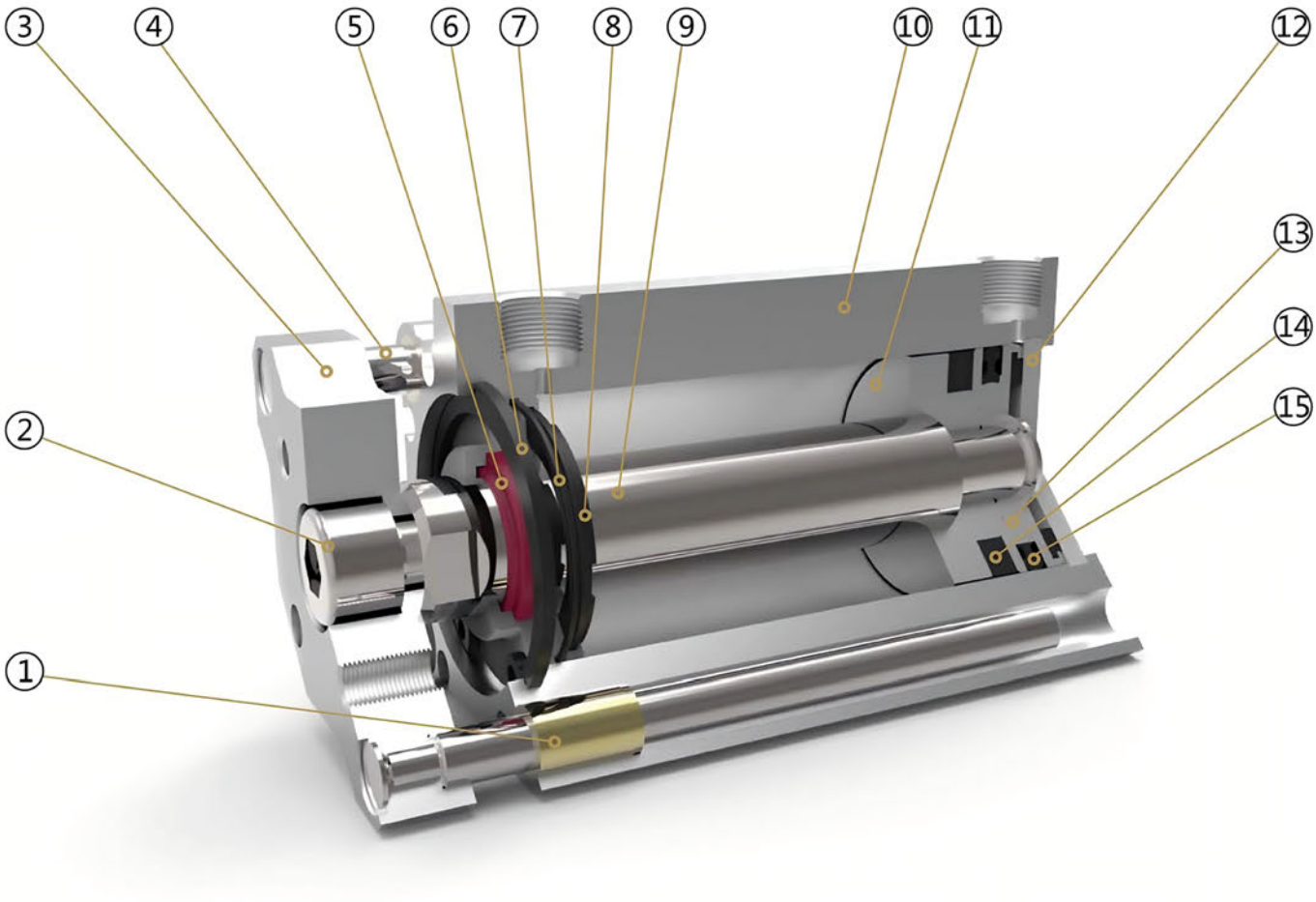
Bore (mm)		32	40	50	63	80	100
Operation		Double Acting					
Working Medium		Air					
Operating Pressure Range	Double Acting	0.1~1.0 Mpa					
Proof Pressure		1.5Mpa					
Operating Temperature Range		-20~70 °C					
Operating Speed Range	Double Acting	30~500mm/s	30~350mm/s		30~250mm/s		
Port Size		G1/8		G1/8		G1/8	

Return Catalog

TCQ2 Series
Guide Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Internal Structure



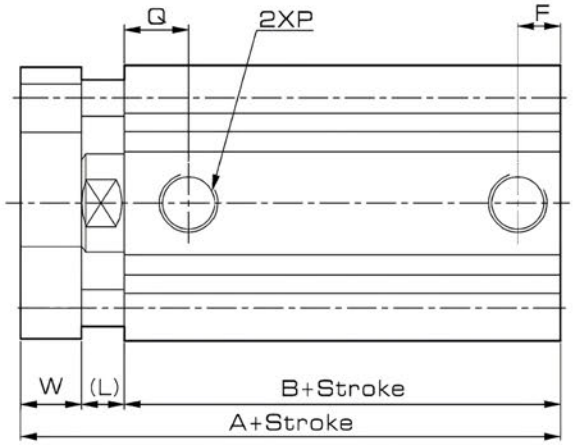
Number	Name	Number	Name
1	Copper tube	9	Piston rod
2	Socket head screw	10	Barrel
3	Fixed plate	11	Magnet base
4	Guide rod	12	Back cover
5	Dust ring	13	Piston
6	Circlips for holes	14	Magnet
7	O ring	15	C ring
8	Anti-collision gasket		

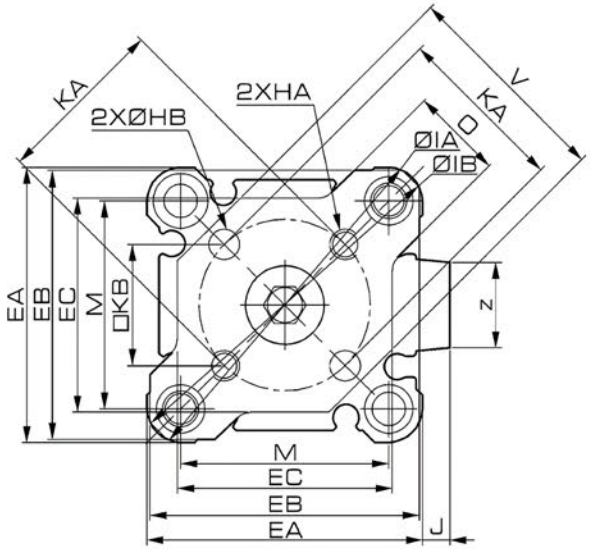
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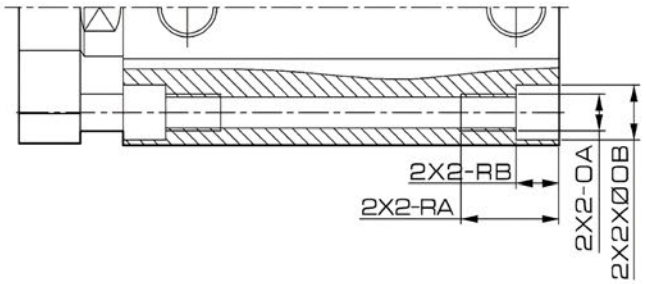
TCQ2 Series
Guide Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension







Dimension

Bore/Symbol	Stroke Range (mm)	Without Magnet							With Magnet							EA	EB	EC
		A	B	F	Q	P			A	B	F	Q	P					
						-	IN	TF					-	IN	TF			
32	5	40	23	5.5	11.5	M5×0.8	-	-	50	33	7.5	10.5	G1/8	PT1/8	- NPT1/8	45	44	35
	10-50			7.5	10.5	G1/8	PT1/8	NPT1/8										
	70-100	50	33															
40	5-50	46.5	29.5	8	11	G1/8	PT1/8	NPT1/8	56.5	39.5	8	11	G1/8	PT1/8	NPT1/8	52	51.5	38
	75-100	56.5	39.5															
50	5-50	50.5	30.5	10.5	10.5	G1/4	PT1/4	NPT1/4	56.5	39.5	10.5	10.5	G1/4	PT1/4	NPT1/4	62	61	48.5
	75-100	60.5	40.5															
63	5-50	56	36	10.5	15	G1/4	PT1/4	NPT1/4	66	46	10.5	15	G1/4	PT1/4	NPT1/4	77	76	59
	75-100	66	46															
80	5-50	67.5	43.5	12.5	16	G3/8	PT3/8	NPT3/8	77.5	53.5	12.5	15	G3/8	PT3/8	NPT3/8	98	97	75
	75-100	77.5	53.5															
100	5-50	79	53	13	23	G3/8	PT3/8	NPT3/8	89	63	13	23	G3/8	PT3/8	NPT3/8	117	116	92.5
	75-100	89	63															

Bore/Symbol	HA	OA	HB	IA	IB	J	KA	KB	L	M	N	OB	RA	RB	V	W	Z	O
32	M5×0.8	M6×1.0	5	60	58.5	4.5	28±0.02	19.5	7	34	5.5	9	17	7	35	10	14	15
40	M5×0.8	M6×1.0	5	69	67.5	5	33±0.02	23.3	7	40	5.5	9	17	7	42	10	14	15
50	M6×1.0	M8×1.25	6	86	84.5	7	42±0.02	29.7	8	50	6.6	11	22	8	54.5	12	19	16
63	M6×1.0	M10×1.5	6	103	100	7	50±0.02	35.4	8	60	9	14	28.5	10.5	68	12	19	19
80	M8×1.25	M12×1.75	8	132	129	6	65±0.02	46	10	77	11	17.5	35.5	13.5	86	14	25	22
100	M10×1.5	M12×1.75	10	156	153	6.5	80±0.02	56.6	10	94	11	17	35.5	13.5	108	16	25	25

Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Orderin Code

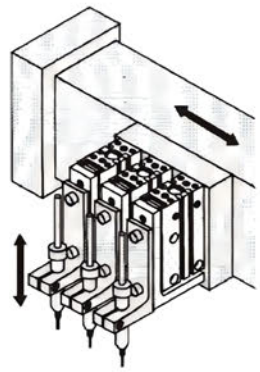
VXH	10	30	□
Model	Bore Size	Stroke	Stroke
			Nil
			L
			R



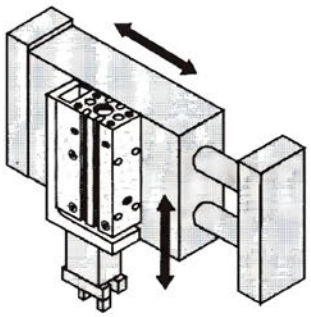
Stroke / Sensor

Mdoel	Bore Size(mm)	Standard Stroke(mm)	Direct Mounting Sensor
VXH	6	5 / 10 / 15 / 20 / 25 30 / 40 / 50 / 60	M9B
	10		
	16		
	20		

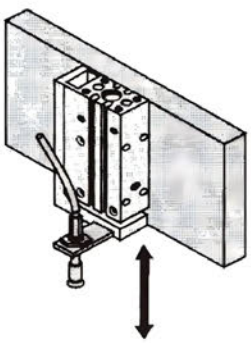
Application



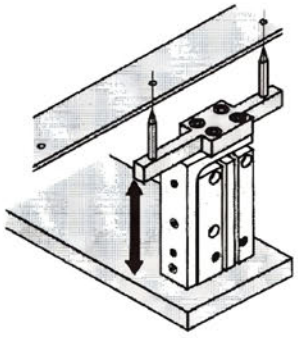
Parallel distributor



Work piece delivery



Work with vacuum chuck



Pinhole locator

Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Specifications

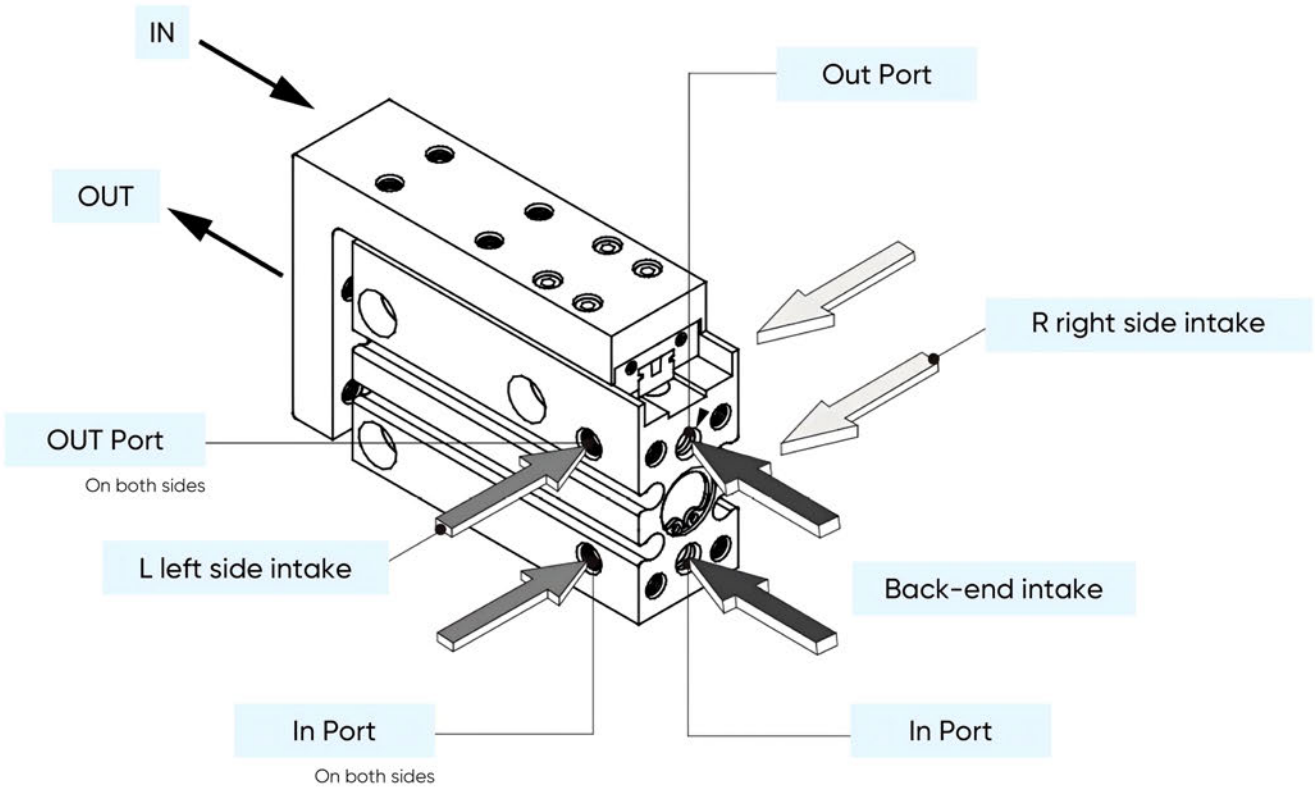


Bore Size(mm)	6	10	16	20
Working Medium	Air			
Action	Double acting			
Min.Operating Pressure	0.15Mpa	0.1Mpa		
Max.Operating Pressure	0.7Mpa			
Ambient And Fluid Temperature	-10~60°C (with no condensation)			
Piston Speed	50~500mm/s			
Allowable Kinetic Energy J	0.0125	0.025	0.05	0.1
Lubrication*	No need			
Cushing	Rubber cushion on both ends			
Stroke Leneth Tolerance(mm)	+1.0 0			
Sensor Model	M9B			
Piping Size	M5×0.8			

Features
- Adopt high rigidity and elongated guide rail to improvecylinder rigidity and guiding accuracy.
- Standard built-in magnetic ring, can be installed strokesensing switch.
- Piping is possible in 3 directions.
- Sensor can be mounted on both sides.
- Standard rubber buffer on both ends.

Model Representation

Piping Is Possible In 3 Directions



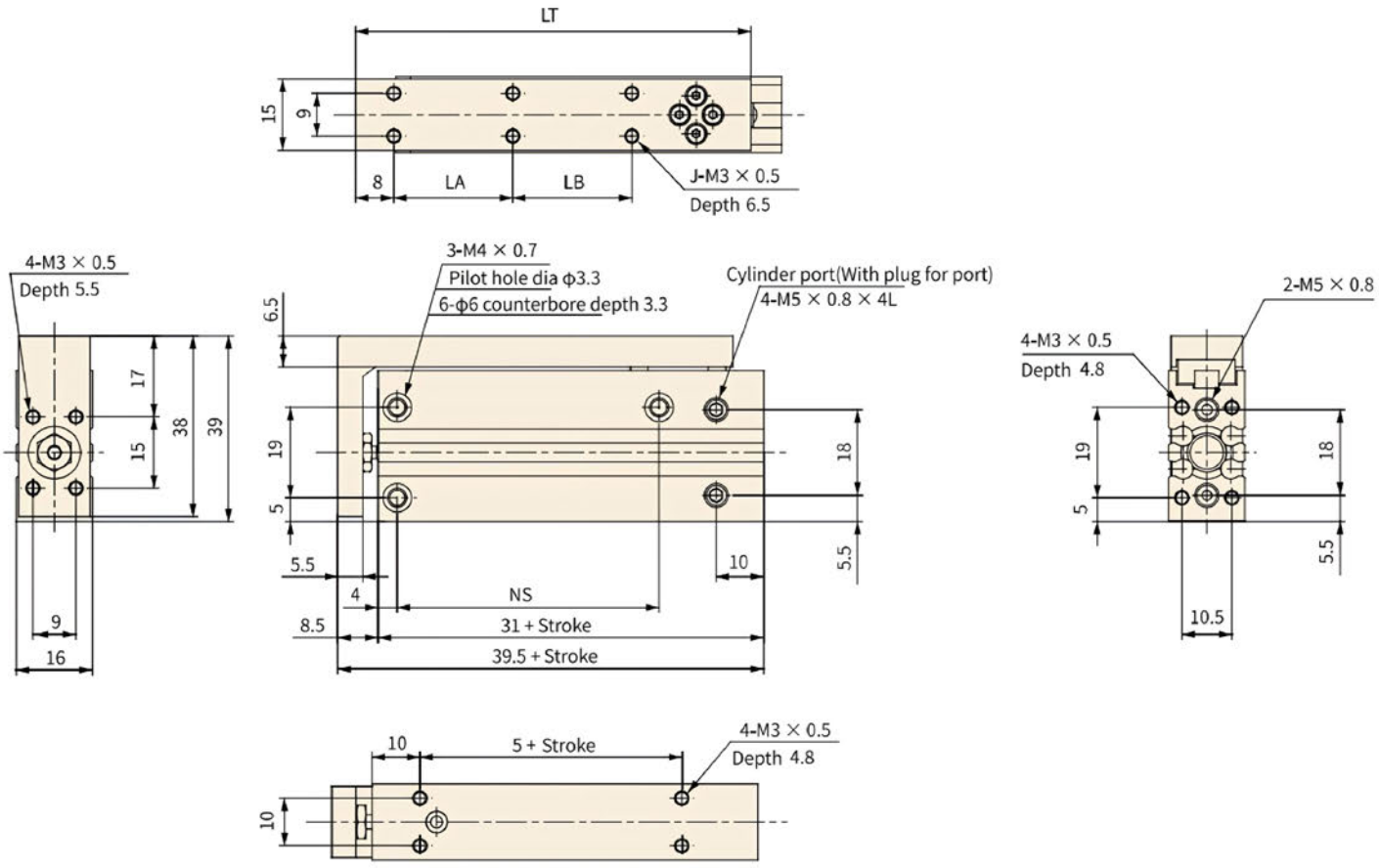
Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXH 6



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

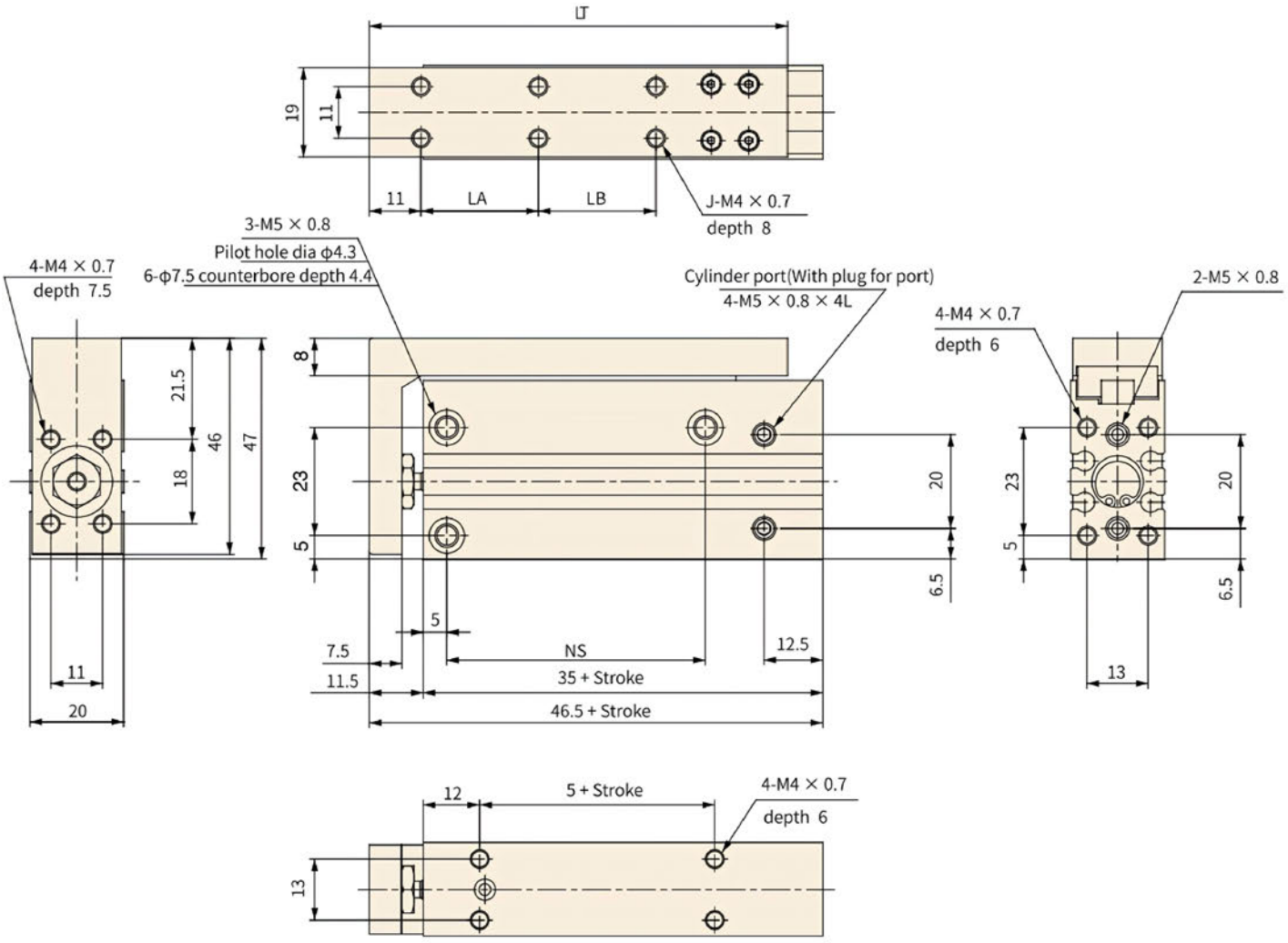
Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXH 10



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

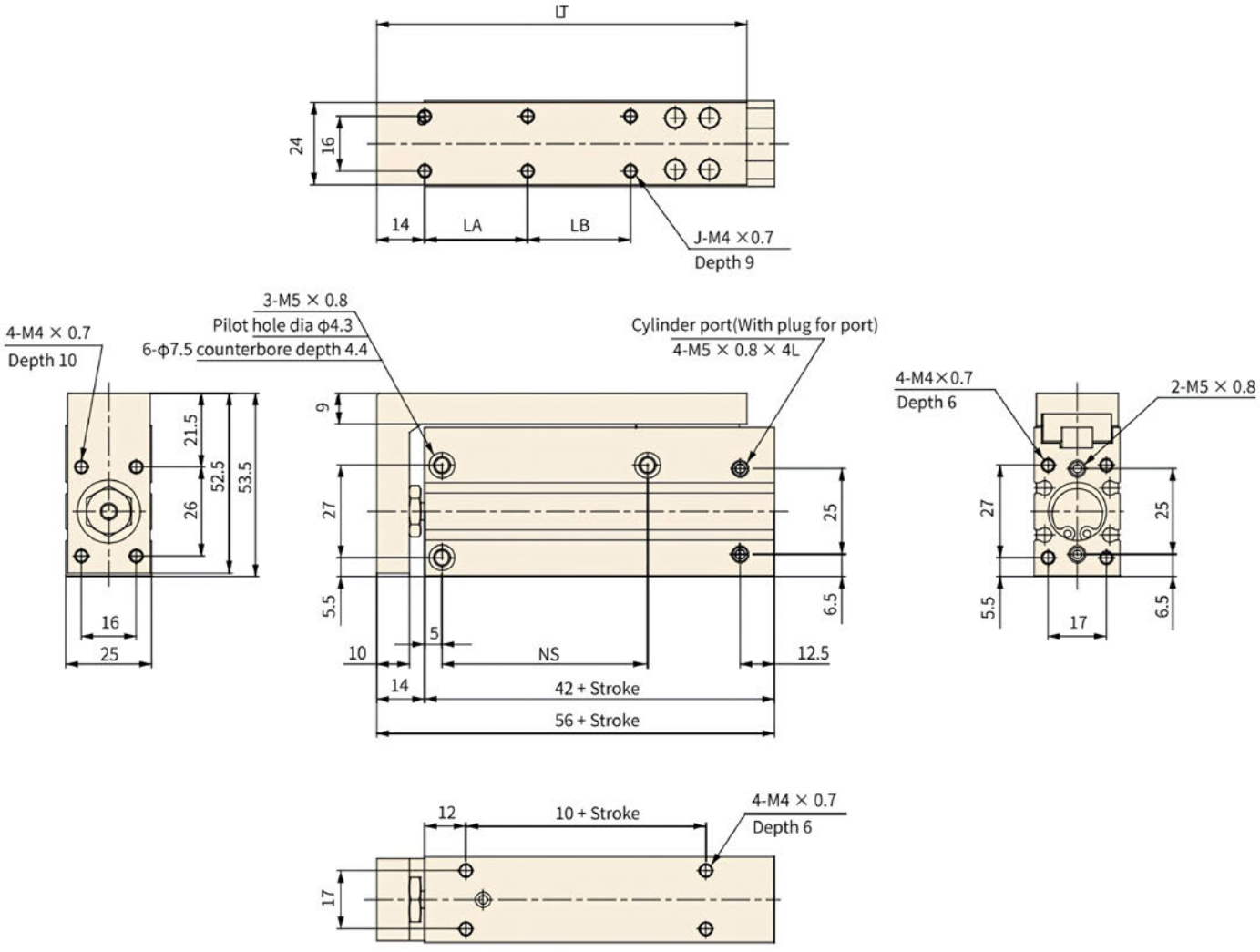
Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXH 16



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

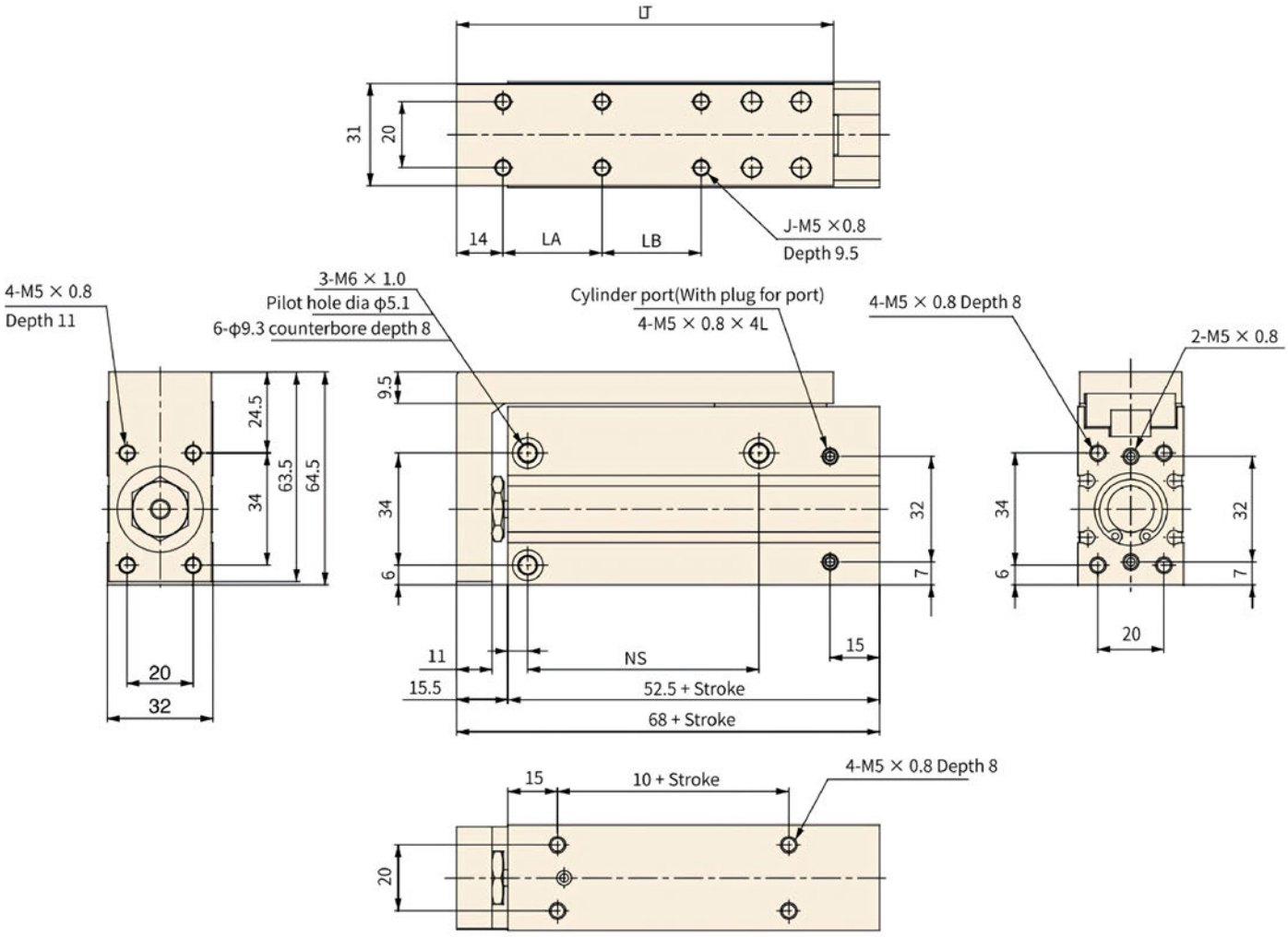
Return Catalog

VXH Series
Compact Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXH 20



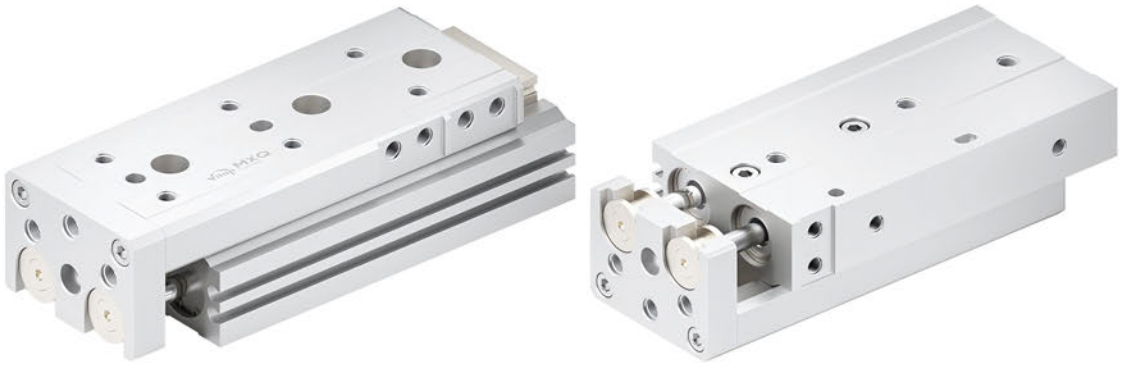
Stroke	J	LA	LB	LT	NS
5	4	10	-	64	20
10	4	10	-	64	20
15	4	20	-	74	25
20	4	20	-	74	25
25	4	30	-	84	40
30	4	30	-	84	40
40	6	20	20	94	50
50	6	25	25	104	70
60	6	30	30	114	70

Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Specifications



Bore Size(mm)	6 Ø6x2 amount to Ø8	8 Ø8x2 amount to Ø11	12 Ø12x2 amount to Ø17	16 Ø16x2 amount to Ø22	20 Ø20x2 amount to Ø28	25 Ø25x2 amount to Ø35
Working Medium	Air					
Action	Double acting					
Max. Operating Pressure	0.7Mpa					
Min. Operating Pressure	0.15Mpa					
Ambient And Fluid Temperatur	-10~60°C (with no condensation)					
Piston Velocity	50~500mm/s					
Cushing	Rubber buffer (standard)					
Stroke Length Toleranc	±0~1					
Lubrication	No need, if needed, please use Turbine oil No.l ISOVG32					
Sensor Model	M9B					
Piping Size	M5×0.8			1/8		

Features

- Small size,strong,high precision.
- Combination of compact cylinder and linear guide.
- Double cylinder design,double power output.
- Adjustable stroke (with adjusting stroke divice).
- Mountable sensor.

Cylinder Theoretical Output Sheet (Double Cylinder Design)

Bore Size(mm)	Action Direction	Compression Area (mm^2)	Operating Pressure(Mpa)					
			0.2	0.3	0.4	0.5	0.6	0.7
Ø6×2	OUT	57	11	17	23	29	34	40
	IN	42	8	13	17	21	25	29
Ø8×2	OUT	101	20	30	40	51	61	71
	IN	75	15	23	30	38	45	53
Ø12×2	OUT	226	45	68	90	113	136	158
	IN	170	34	51	68	85	102	119
Ø16×2	OUT	402	80	121	161	201	241	281
	IN	302	60	91	121	151	181	211
Ø20×2	OUT	628	126	188	251	314	377	440
	IN	471	94	141	188	236	283	330
Ø25×2	OUT	982	196	295	393	491	589	687
	IN	756	151	227	302	378	454	-

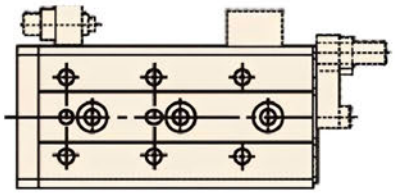
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VXQ Series
Slide Table Cylinder (Linear Guide)

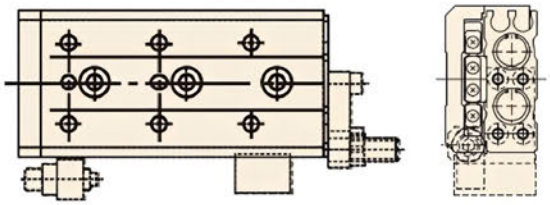
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Ordering Code

Standard Type(Nil)



Symmetric Type (with L)



VXQ	12	□	×	50	AS
	①	②		③	④

① Bore Size	② Model	③ Stroke	④ Adjusting Device	
	Nil-standard L-symmetric		Nil	Nil
			AS	Storke adjuster at extension end
			AT	Stroke adjuster at retraction end
			A	Stroke adjuster at both sides
			*BS	Hydraulic buffer at extension end
			*BT	Hydraulic buffer at retraction end
			*B	Hydraulic buffer at both sides
			AB	Storke adjuster at extension end and hydraulic buffer at retraction end
			BA	Storke adjuster at extension end and hydraulic buffer at retraction end

Stroke / Sensor Option

Bore Size (mm)	Standard Stroke	Sensor
6	10 /20 / 30 / 40 / 50	M9B
8	10 /20 / 30 / 40 / 50 / 75	
12	10 /20 / 30 / 40 / 50 / 75 / 100	
16	10 /20 / 30 / 40 / 50 / 75 / 100 / 125	
20 / 25	10 /20 / 30 / 40 / 50 / 75 / 100 / 125 / 150	

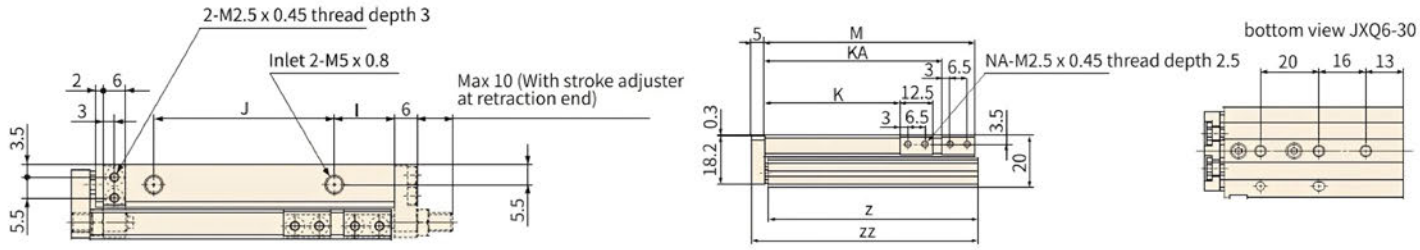
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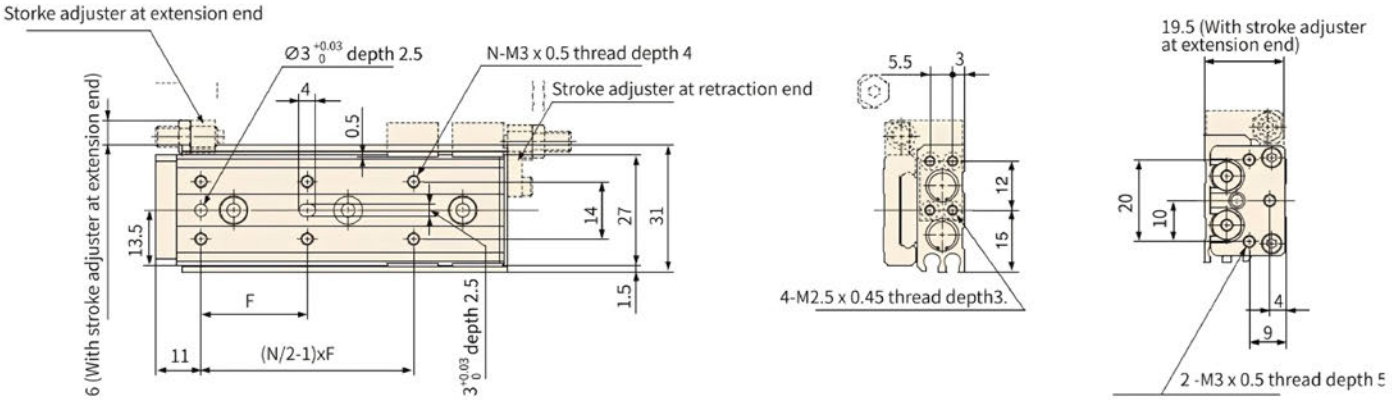
VXQ Series
Slide Table Cylinder (Linear Guide)

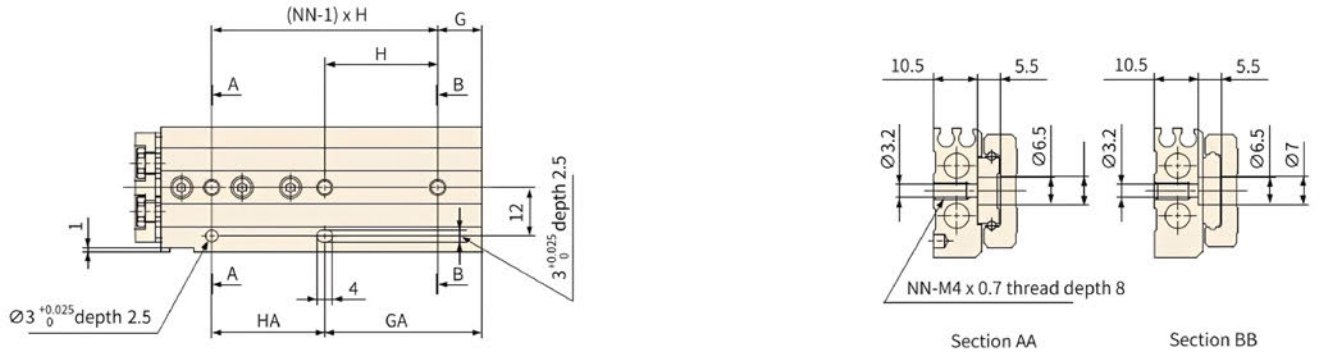
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 6







Model	F	N	G	H	NN	G	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 6-10	22	4	6	23	2	13	16	9	17	21.5	-	4	42	41.5	48
VXQ 6-20	25	4	13	26	2	13	26	9	27	31.5	-	4	52	51.5	58
VXQ 6-30	21	6	-	-	3	29	20	9	37	41.5	-	4	62	61.5	68
VXQ 6-40	26	6	11	28	3	39	28	16	48	51.5	67.5	8	80	79.5	86
VXQ 6-50	27	6	21	28	3	49	28	9	65	61.5	77.5	8	90	89.5	96

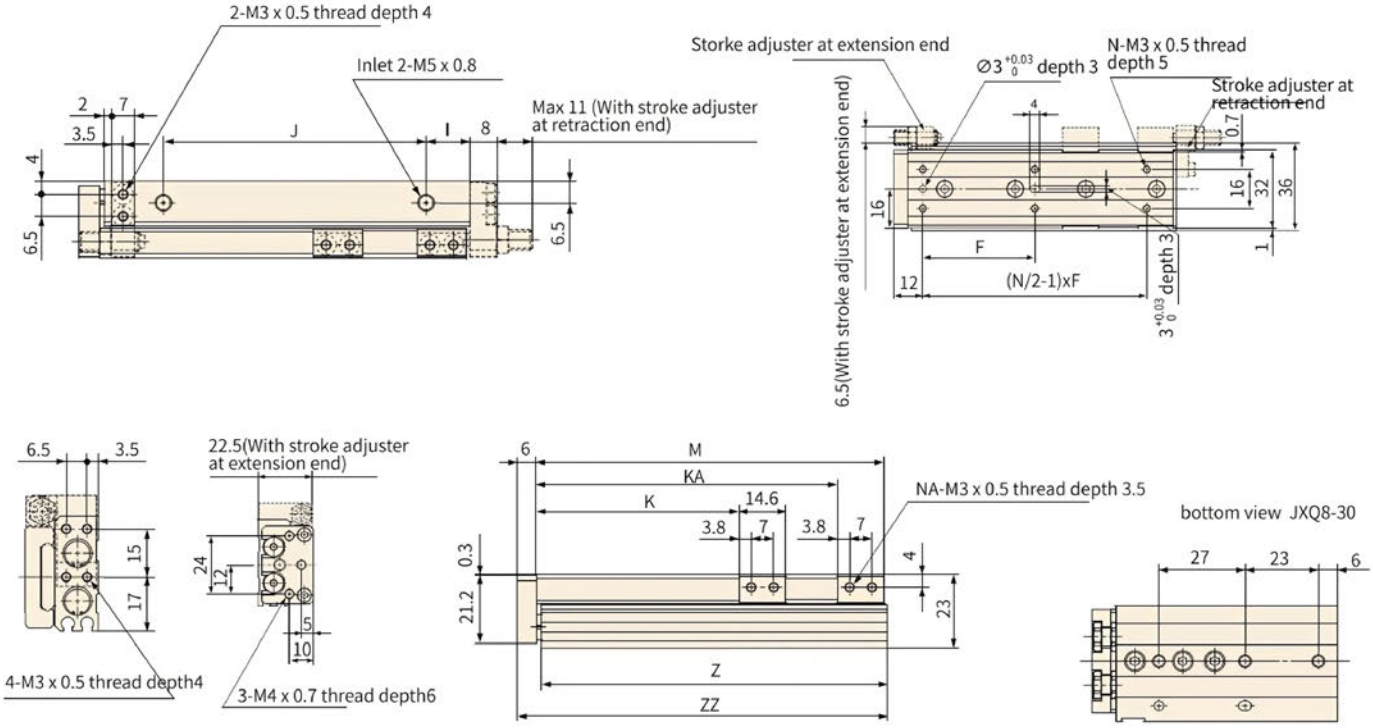
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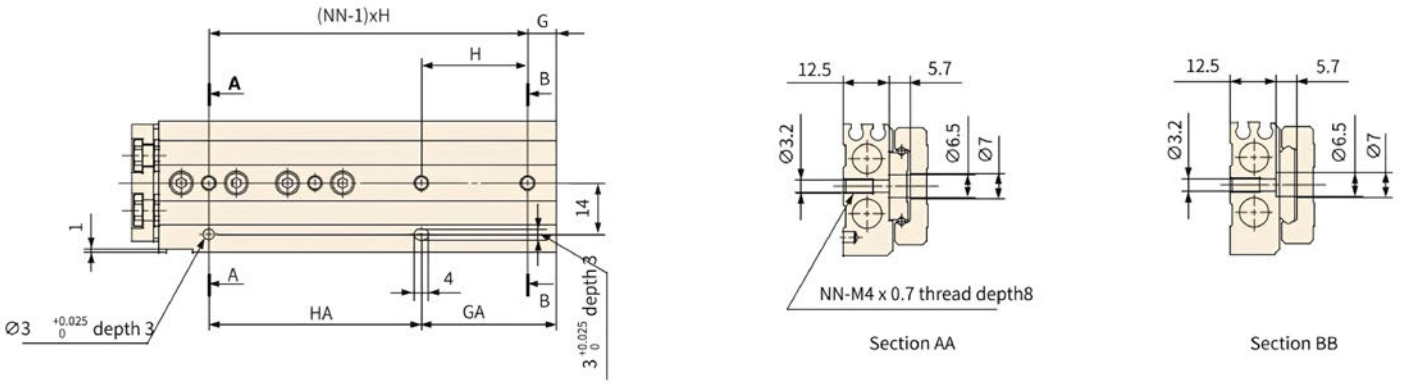
VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 8





Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 8-10	25	4	7	25	2	13	19	11	17	23.5	-	4	46	45.5	53
VXQ 8-20	25	4	14	28	2	14	28	10	28	33.5	-	4	56	55.5	63
VXQ 8-30	26	6	-	-	3	29	27	12	40	43.5	-	4	70	69.5	77
VXQ 8-40	32	6	8	31	3	39	31	14	52	53.5	69.4	8	84	83.5	91
VXQ 8-50	46	6	6	29	4	37	37	13	78	63.5	94.5	8	109	108.5	116
VXQ 8-75	50	6	31	30	4	61	61	12	105	88.5	120.4	8	135	134.5	142

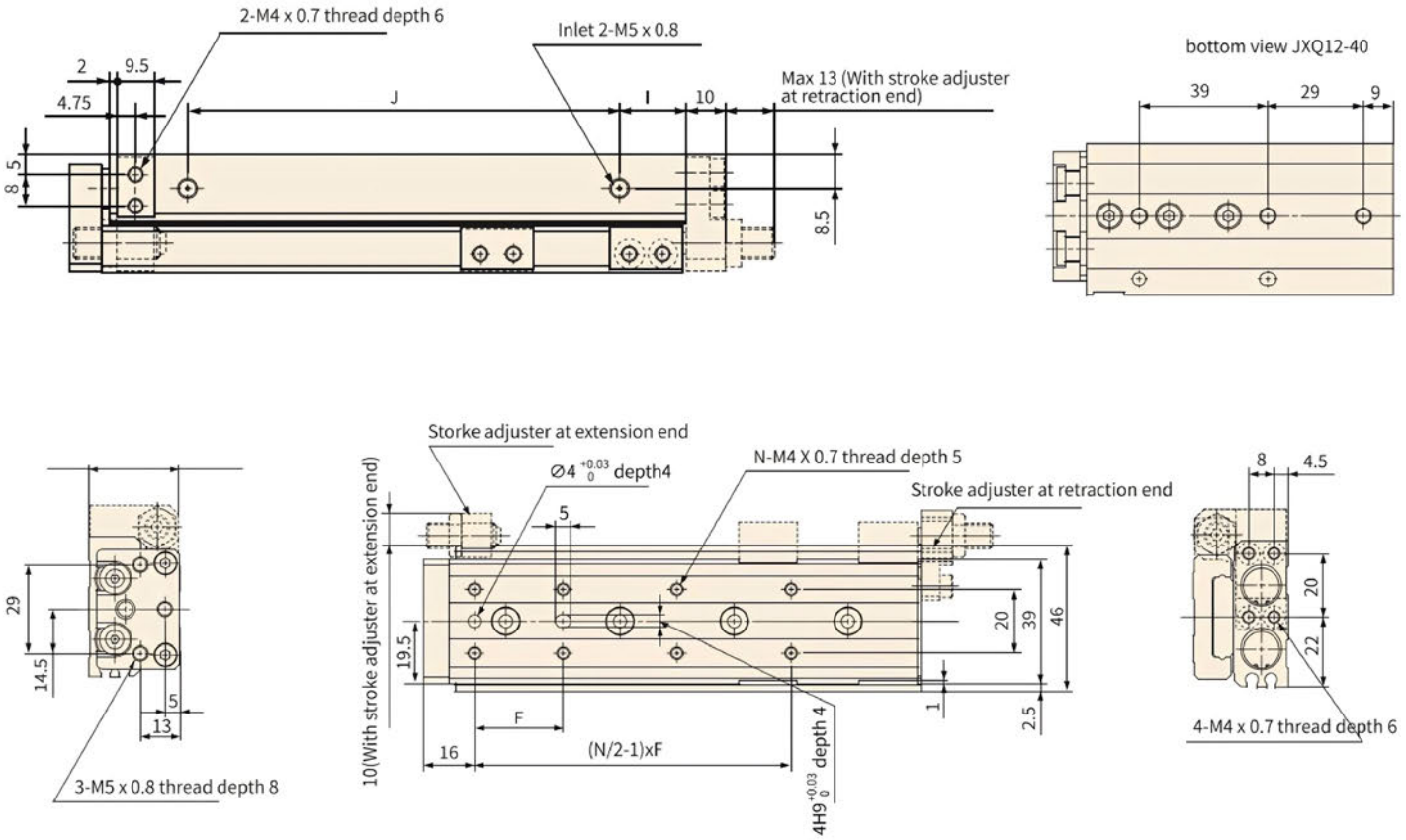
Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 12



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 12-10	28	4	18	32	2	18	32	12	34	27	49	8	67	66	76
VXQ 12-20	28	4	18	32	2	18	32	12	34	37	-	4	67	66	76
VXQ 12-30	38	4	20	40	2	20	40	14	42	47	-	4	77	76	86
VXQ 12-40	34	6	-	-	3	38	39	15	58	57	76	8	94	93	103
VXQ 12-50	34	6	9	39	3	48	39	13	70	67	86	8	104	103	113
VXQ 12-75	36	8	23	36	4	59	72	17	110	92	130	8	148	147	157
VXQ 12-100	36	10	12	36	5	84	72	17	135	117	155	8	173	172	182

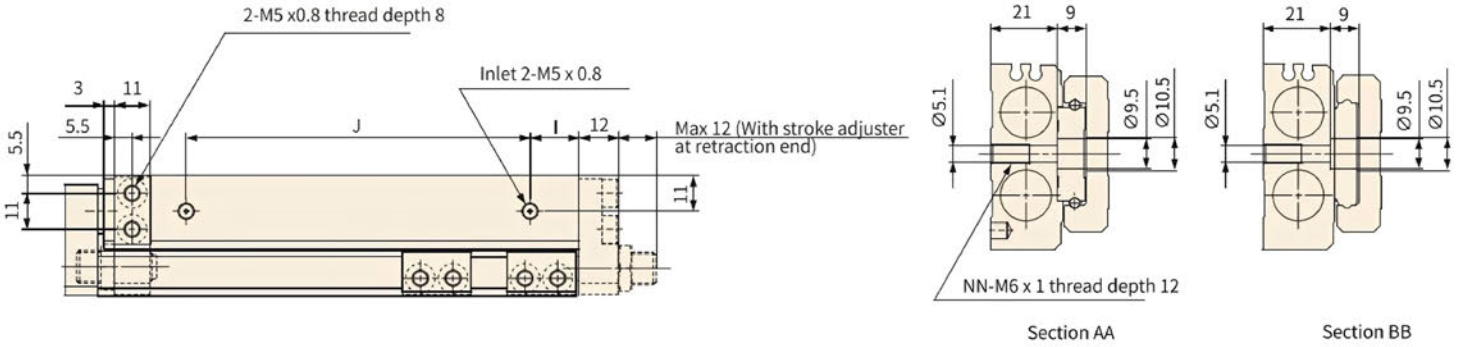
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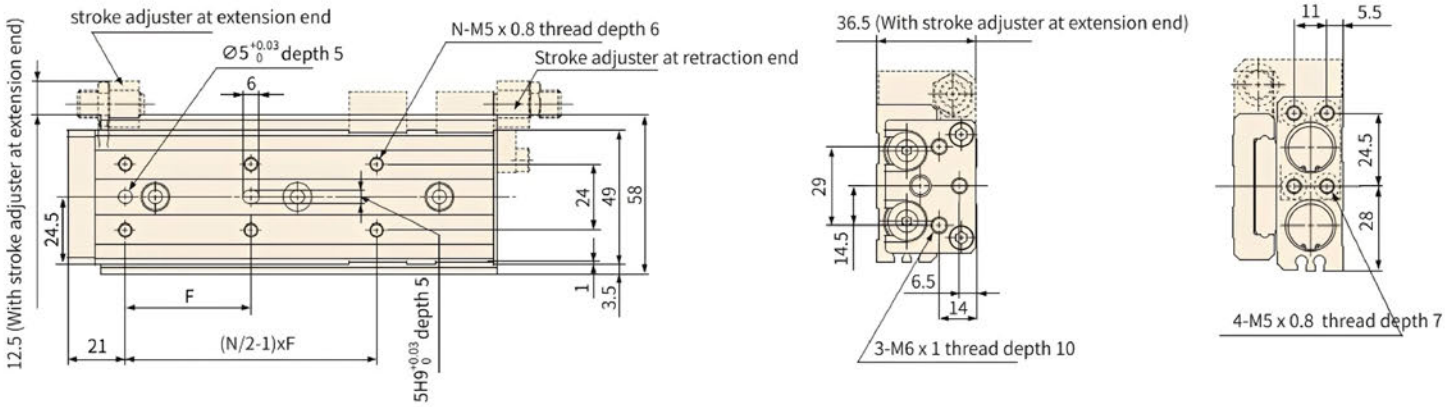
VXQ Series
Slide Table Cylinder (Linear Guide)

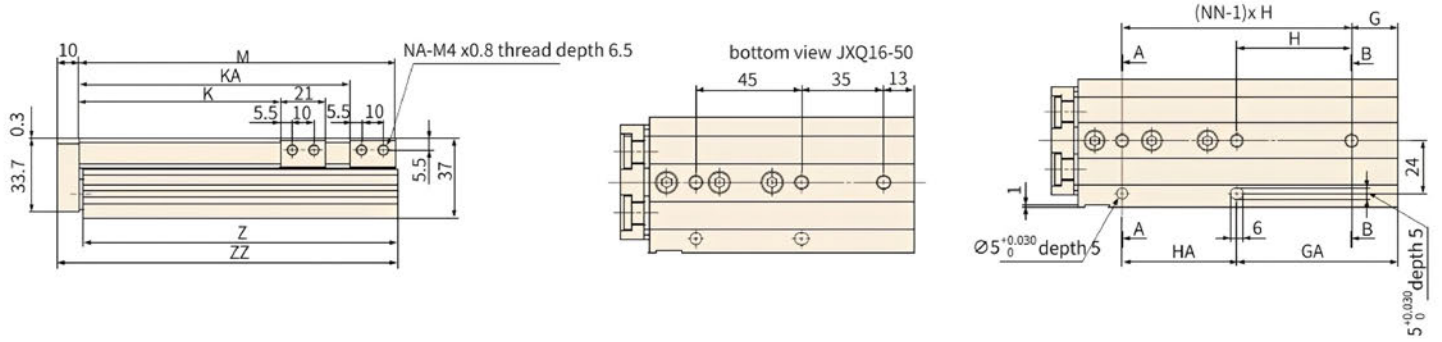
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 16







Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 16-10	38	4	18	39	2	18	39	12	40	28	57	8	78	77	89
VXQ 16-20	38	4	18	39	2	18	39	12	40	38	-	4	78	77	89
VXQ 16-30	48	4	19	48	2	19	48	12	50	48	-	4	88	87	99
VXQ 16-40	58	4	19	58	2	19	58	12	60	58	-	4	987	97	109
VXQ 16-50	40	6	-	-	3	48	45	20	68	68	93	8	114	113	125
VXQ 16-75	46	6	21	52	3	73	52	15	105	93	125	8	146	145	157
VXQ 16-100	44	8	36	46	4	80	88	18	145	118	168	8	189	188	200
VXQ 16-125	44	10	17	44	5	105	88	23	165	143	193	8	214	213	225

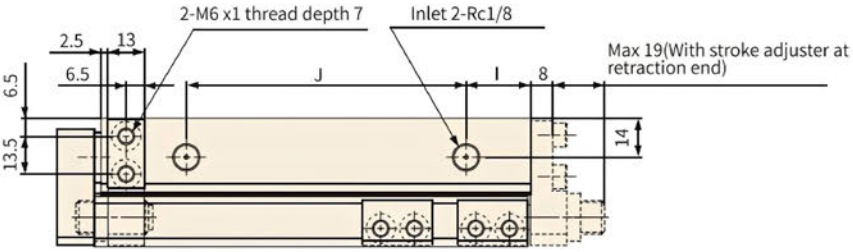
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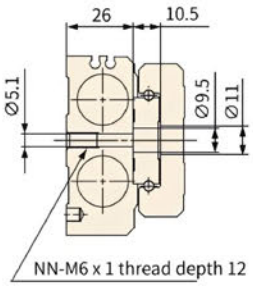
VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

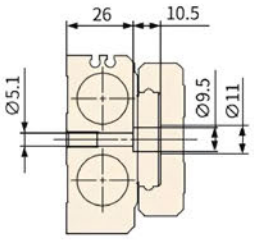
Overall Dimension

VXQ 20

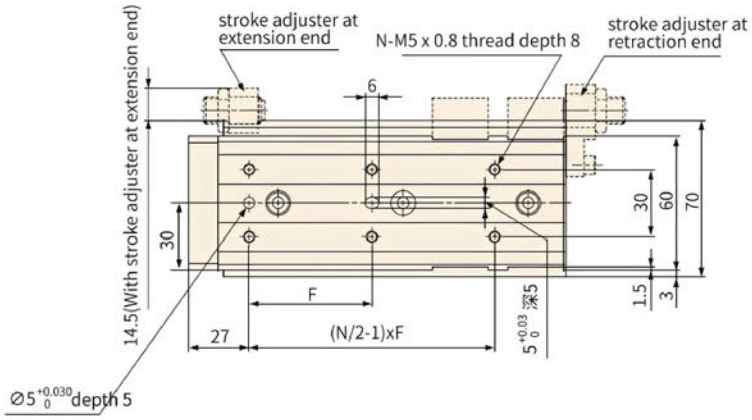


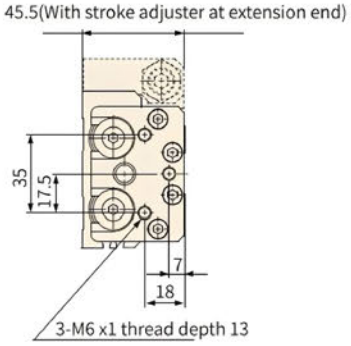


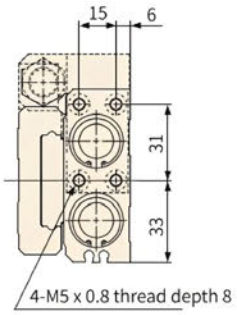
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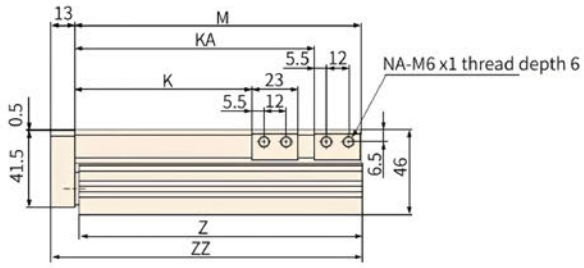


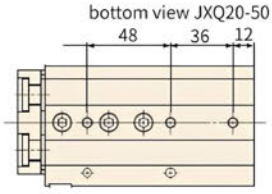
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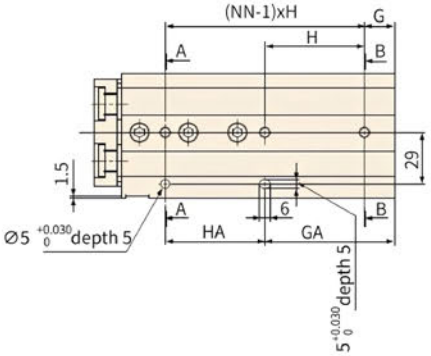












Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 20-10	45	4	22	46	2	18	50	16	46	32	70	8	94	92.5	108
VXQ 20-20	40	4	22	46	2	18	50	16	46	42	70	8	94	92.5	108
VXQ 20-30	48	4	22	46	2	18	50	16	46	52	-	4	94	92.5	108
VXQ 20-40	58	4	22	56	2	22	56	16	56	62	-	4	104	102.5	118
VXQ 20-50	42	6	-	-	3	48	48	18	72	72	98	8	122	120.5	136
VXQ 20-75	55	6	17	56	3	73	56	23	100	97	131	8	155	153.5	169
VXQ 20-100	50	8	18	56	4	74	112	25	155	122	188	8	212	210.5	226
VXQ 20-125	55	8	37	59	4	96	118	18	190	147	216	8	240	238.5	254
VXQ 20-150	62	8	56	62	4	118	124	21	215	172	244	8	268	266.5	282

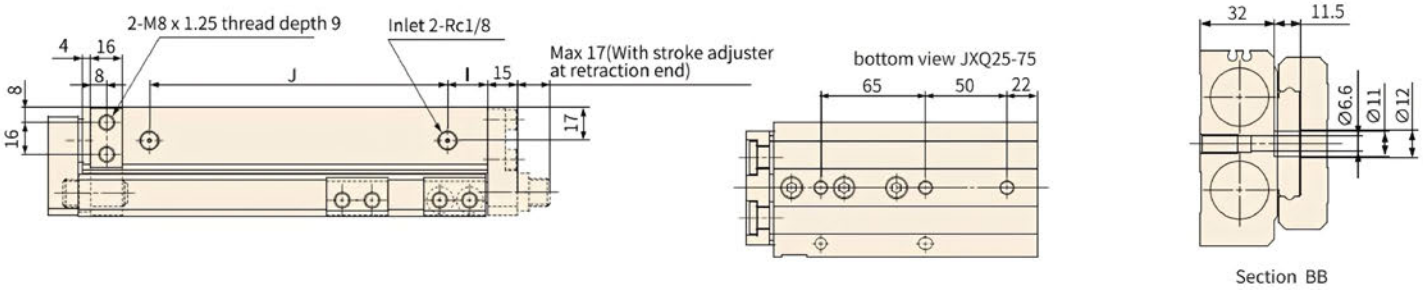
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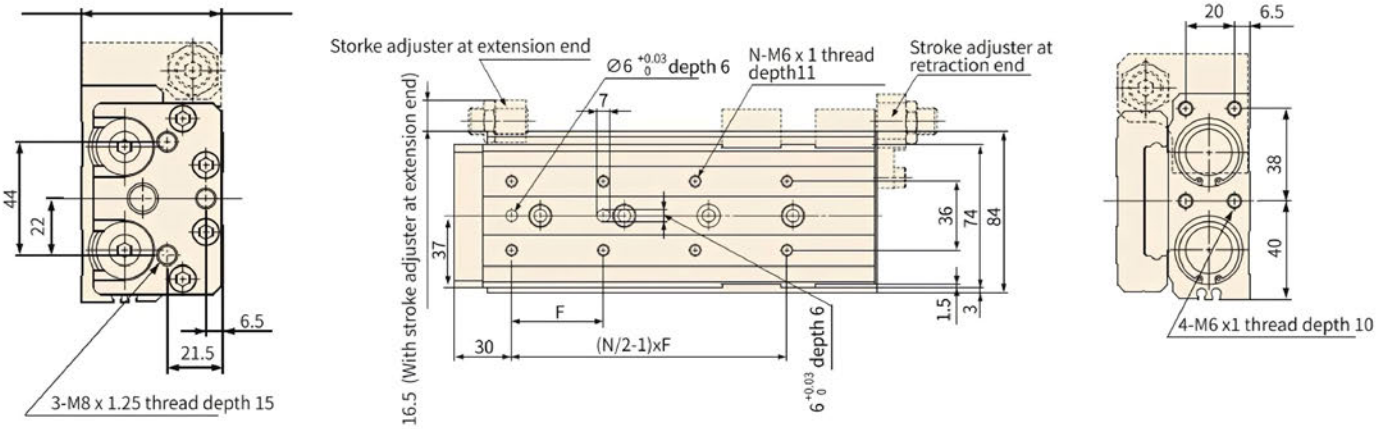
VXQ Series
Slide Table Cylinder (Linear Guide)

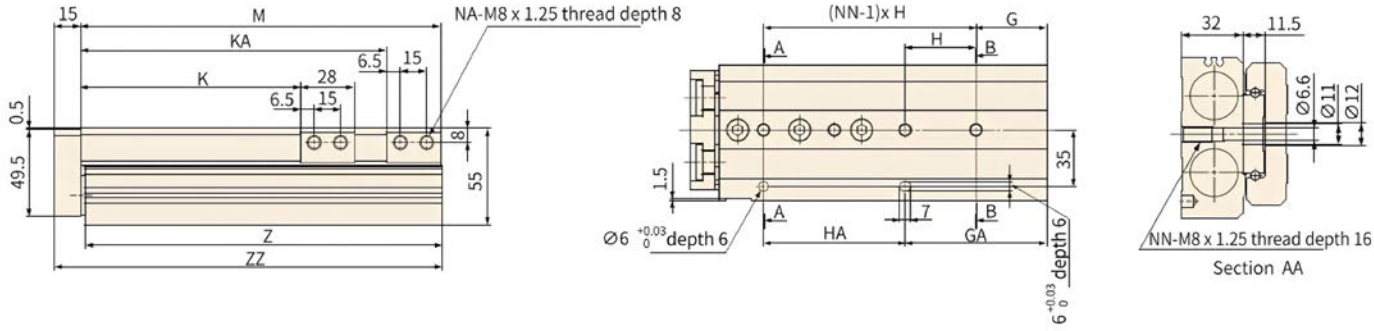
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 25







Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 25-10	55	4	23	55	2	23	55	16	56	36.5	77.5	8	107	105.5	123
VXQ 25-20	56	4	23	55	2	23	55	16	56	46.5	77.5	8	107	105.5	123
VXQ 25-30	55	4	23	55	2	23	55	16	56	56.5	-	4	107	105.5	123
VXQ 25-40	65	4	23	65	2	23	65	16	66	66.5	-	4	117	115.5	133
VXQ 25-50	75	6	32	80	2	32	80	16	90	76.5	111.5	8	141	139.5	157
VXQ 25-75	60	6	-	-	3	72	65	31	100	101.5	136.5	8	166	164.5	182
VXQ 25-100	48	8	44	44	4	88	88	20	150	126.5	175.5	8	205	203.5	221
VXQ 25-125	60	8	31	66	4	97	132	18	205	151.5	228.5	8	258	256.5	274
VXQ 25-150	65	8	56	66	4	122	132	18	230	176.5	253.5	8	283	281.5	299

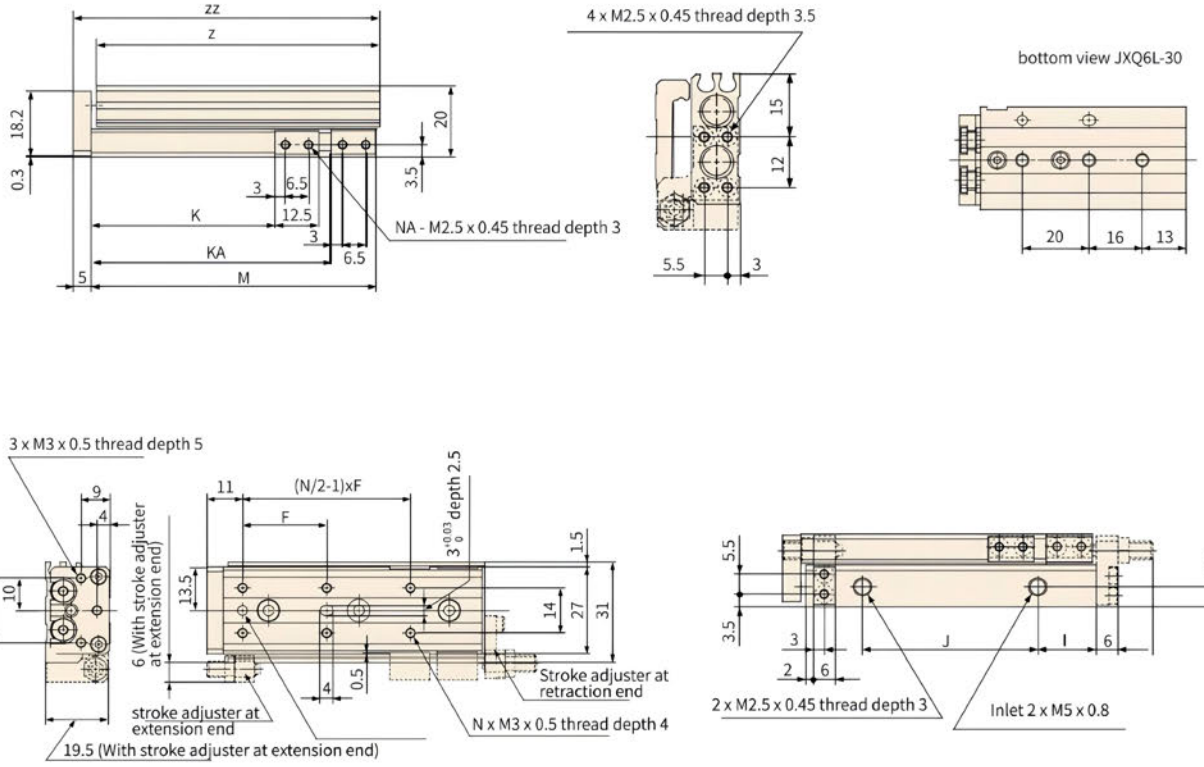
Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 6 L



Model	F	N	G	H	NN	G	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 6 L-10	22	4	6	23	2	13	16	9	17	21.5	-	4	42	41.5	48
VXQ 6 L-20	25	4	13	26	2	13	26	9	27	31.5	-	4	52	51.5	58
VXQ 6 L-30	21	6	-	-	3	29	20	9	37	41.5	-	4	62	61.5	68
VXQ 6 L-40	26	6	11	28	3	39	28	16	48	51.5	67.5	8	80	79.5	86
VXQ 6 L-50	27	6	21	28	3	49	28	9	65	61.5	77.5	8	90	89.5	96

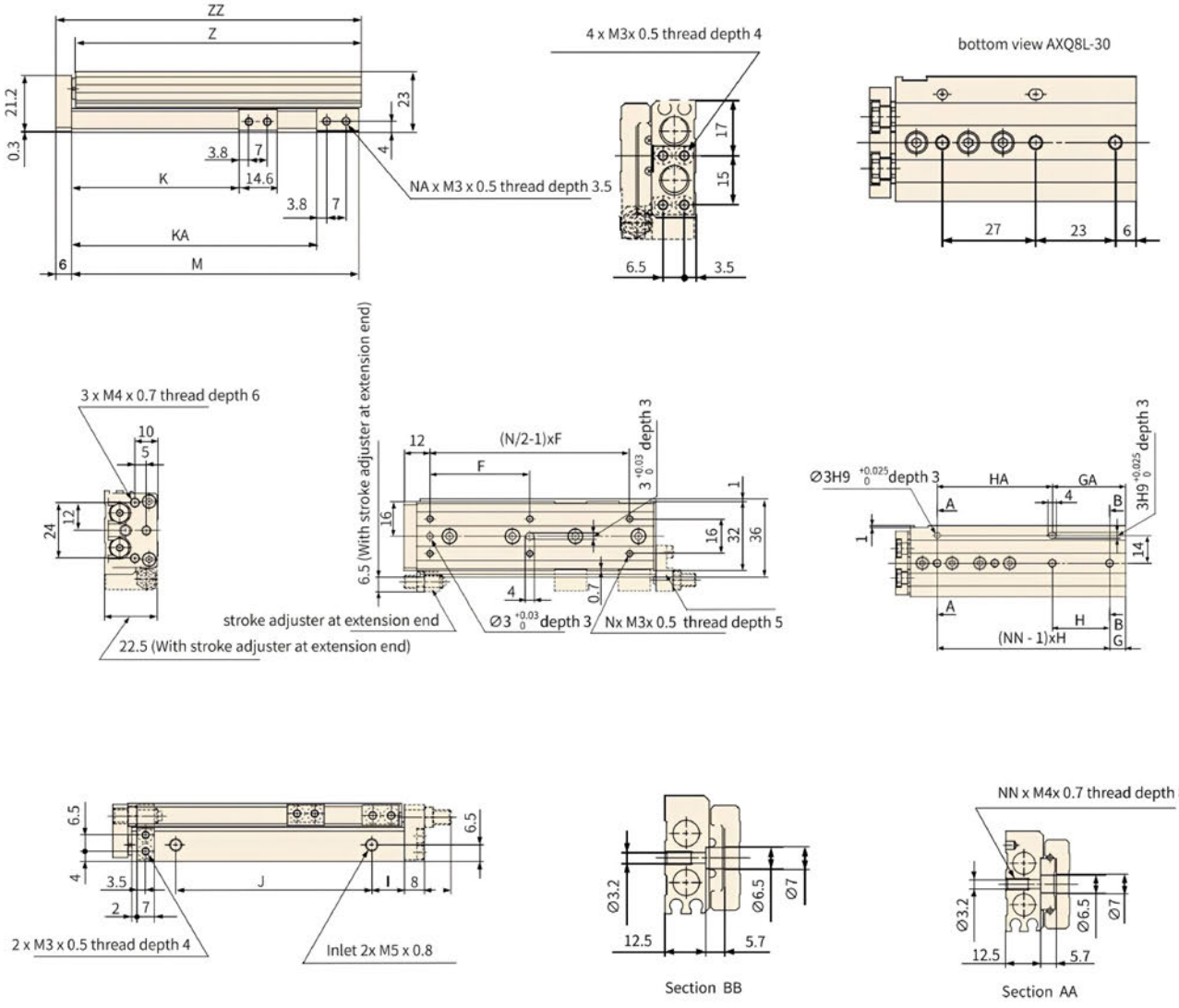
Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 8 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 8 L-10	25	4	7	25	2	13	19	11	17	23.5	-	4	46	45.5	53
VXQ 8 L-20	25	4	14	28	2	14	28	10	28	33.5	-	4	56	55.5	63
VXQ 8 L-30	26	6	-	-	3	29	27	12	40	43.5	-	4	70	69.5	77
VXQ 8 L-40	32	6	8	31	3	39	31	14	52	53.5	69.4	8	84	83.5	91
VXQ 8 L-50	46	6	6	29	4	37	37	13	78	63.5	94.5	8	109	108.5	116
VXQ 8 L-75	50	6	31	30	4	61	61	12	105	88.5	120.4	8	135	134.5	142

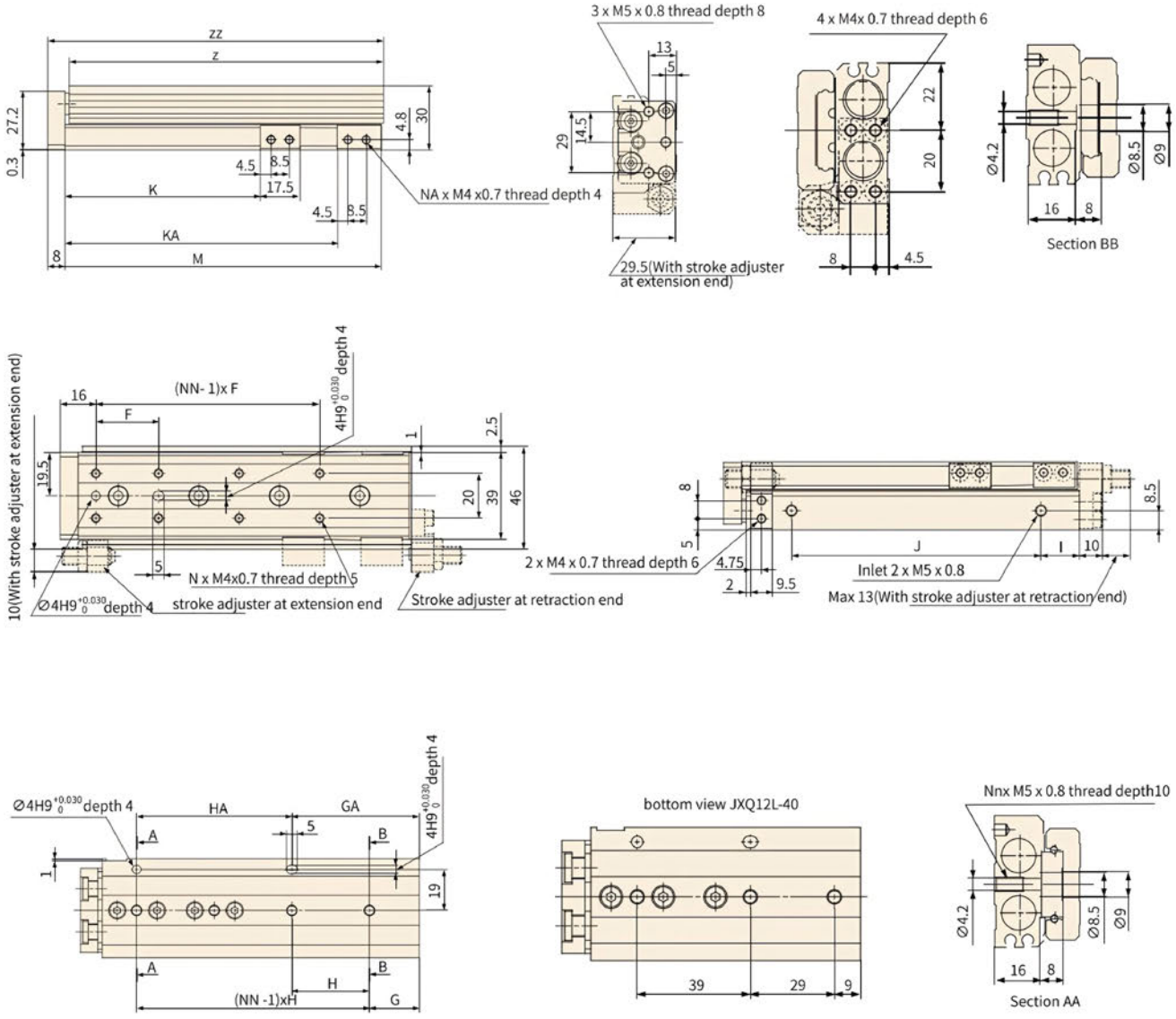
Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 12 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 12 L-10	28	4	18	32	2	18	32	12	17	27	49	8	67	66	76
VXQ 12 L-20	28	4	18	32	2	18	32	12	27	37	-	4	67	66	76
VXQ 12 L-30	38	4	20	40	2	20	40	14	37	47	-	4	77	76	86
VXQ 12 L-40	34	6	-	-	3	38	39	15	48	57	76	8	94	93	103
VXQ 12 L-50	34	6	9	39	3	48	39	13	65	67	86	8	104	103	113
VXQ 12 L-75	36	8	23	36	4	59	72	17	65	92	130	8	148	147	157
VXQ 12 L-100	36	10	12	36	5	84	72	17	65	117	155	8	173	172	182

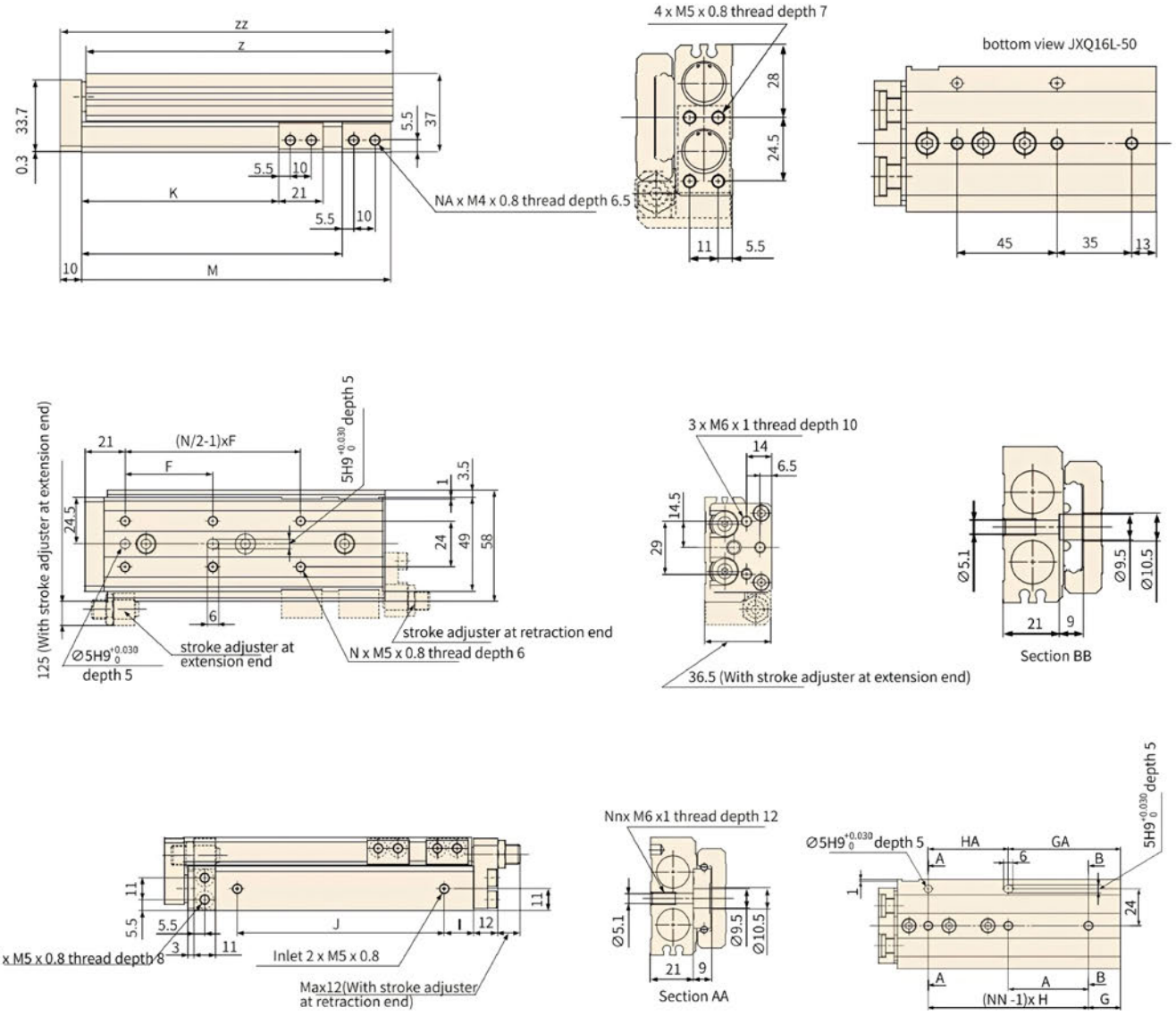
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VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 16 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 16 L-10	38	4	18	39	2	18	39	12	40	28	57	8	78	77	89
VXQ 16 L-20	38	4	18	39	2	18	39	12	40	38	-	4	78	77	89
VXQ 16 L-30	48	4	19	48	2	19	48	12	50	48	-	4	88	87	99
VXQ 16 L-40	58	4	19	58	2	19	58	12	60	58	-	4	987	97	109
VXQ 16 L-50	40	6	-	-	3	48	45	20	68	68	93	8	114	113	125
VXQ 16 L-75	46	6	21	52	3	73	52	15	105	93	125	8	146	145	157
VXQ 16 L-100	44	8	36	44	4	80	88	18	145	118	168	8	189	188	200
VXQ 16 L-125	44	10	17	44	5	105	88	23	165	143	193	8	214	213	225

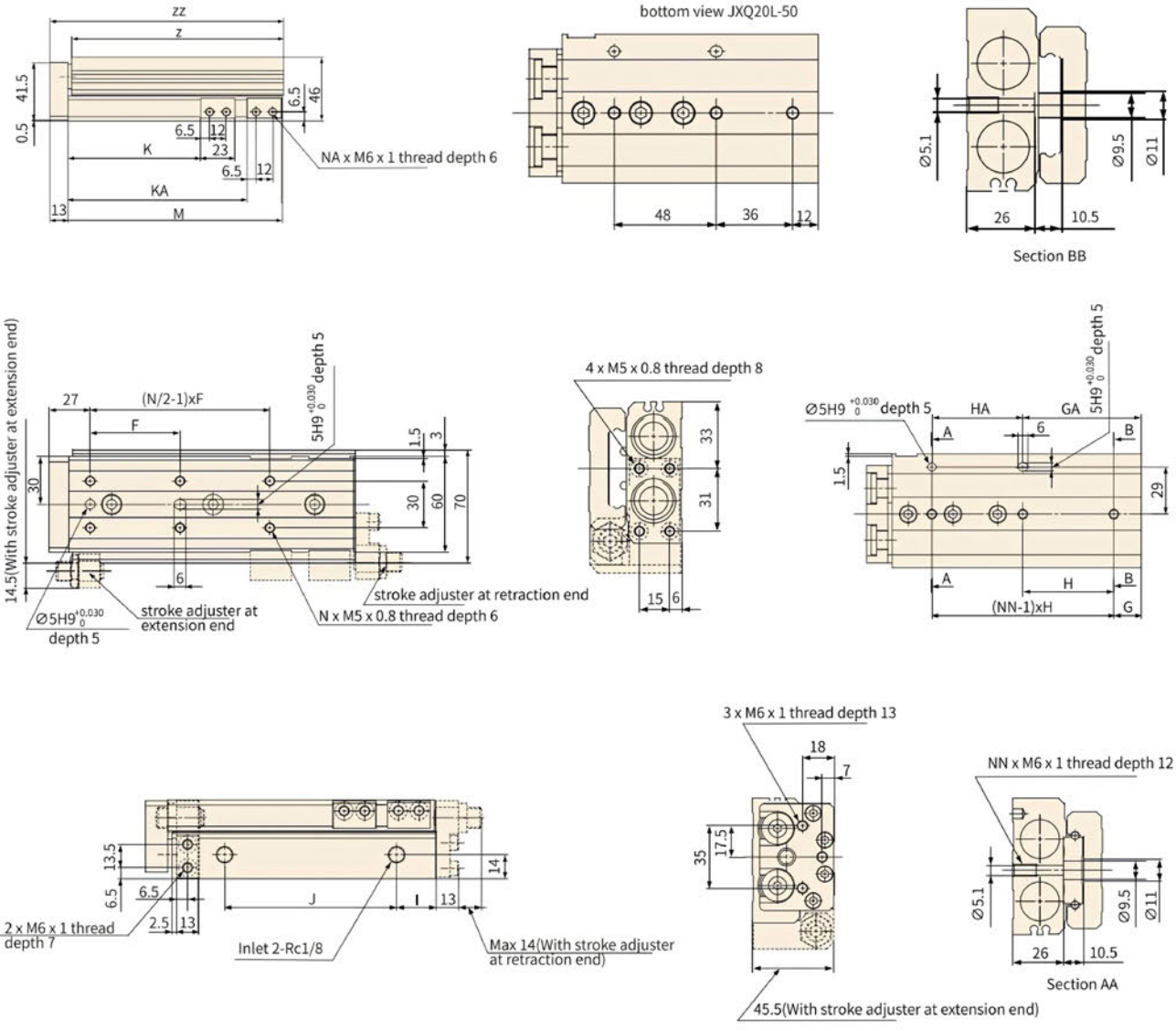
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VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 20 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 20 L-10	45	4	22	46	2	18	50	16	46	32	70	8	94	92.5	108
VXQ 20 L-20	40	4	22	46	2	18	50	16	46	42	70	8	94	92.5	108
VXQ 20 L-30	48	4	22	46	2	18	50	16	46	52	-	4	94	92.5	108
VXQ 20 L-40	58	4	22	56	2	22	56	16	56	62	-	4	104	102.5	118
VXQ 20 L-50	42	6	-	-	3	48	48	18	72	72	98	8	122	120.5	136
VXQ 20 L-75	55	6	17	56	3	73	56	23	100	97	131	8	155	153.5	169
VXQ 20 L-100	50	8	18	56	4	74	112	25	155	122	188	8	212	210.5	226
VXQ 20 L-125	55	8	37	59	4	96	118	18	190	147	216	8	240	238.5	254
VXQ 20 L-150	62	8	56	62	4	118	124	21	215	172	244	8	268	266.5	282

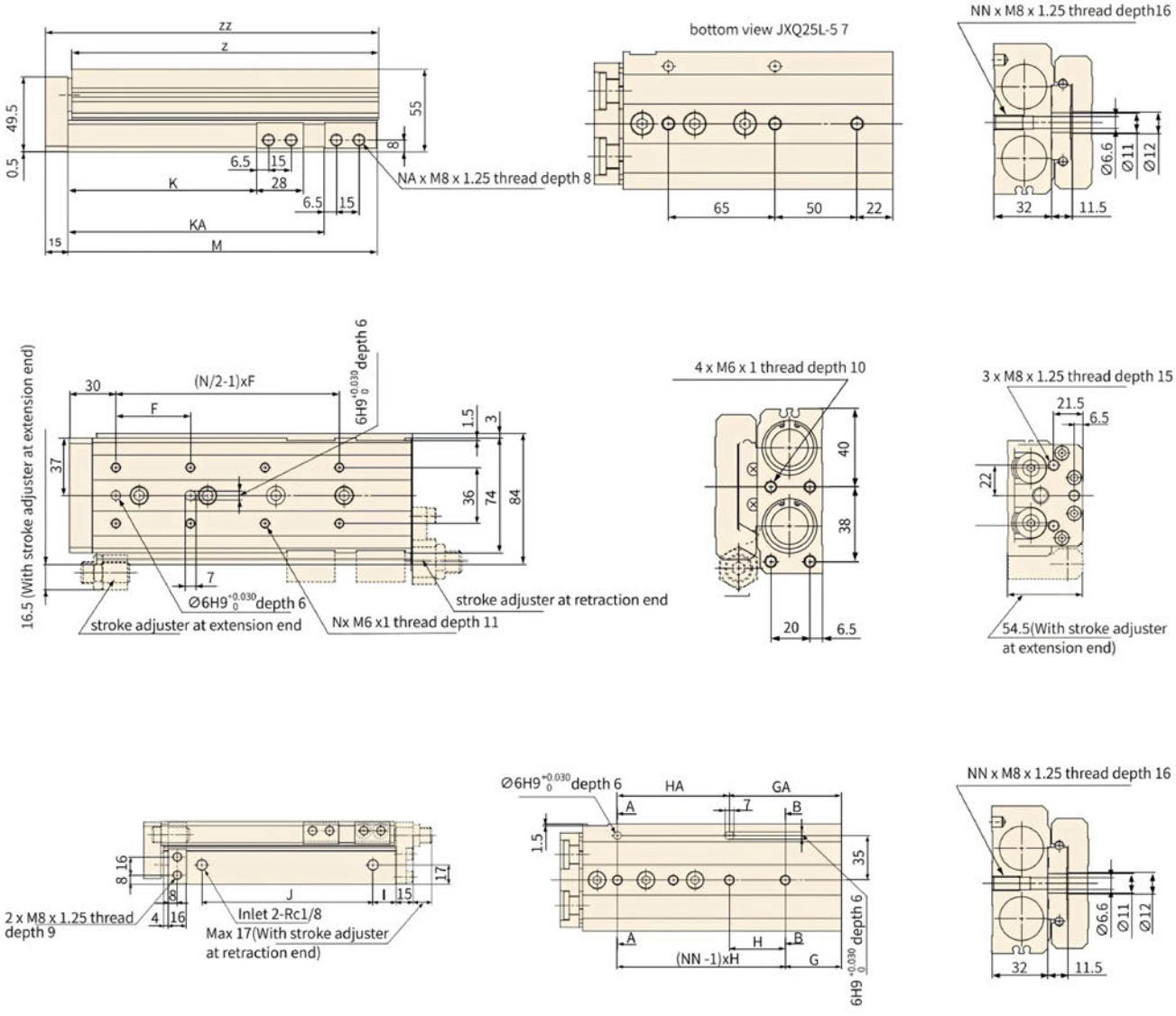
Return Catalog

VXQ Series
Slide Table Cylinder (Linear Guide)

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXQ 25 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXQ 25 L-10	55	4	23	55	2	23	55	16	56	36.5	77.5	8	107	105.5	123
VXQ 25 L-20	56	4	23	55	2	23	55	16	56	46.5	77.5	8	107	105.5	123
VXQ 25 L-30	55	4	23	55	2	23	55	16	56	56.5	-	4	107	105.5	123
VXQ 25 L-40	65	4	23	65	2	23	65	16	66	66.5	-	4	117	115.5	133
VXQ 25 L-50	75	6	32	80	2	32	80	16	90	76.5	111.5	8	141	139.5	157
VXQ 25 L-75	60	6	-	-	3	72	65	31	100	101.5	136.5	8	166	164.5	182
VXQ 25 L-100	48	8	44	44	4	88	88	20	150	126.5	175.5	8	205	203.5	221
VXQ 25 L-125	60	8	31	66	4	97	132	18	205	151.5	228.5	8	258	256.5	274
VXQ 25 L-150	65	8	56	66	4	122	132	18	230	176.5	253.5	8	283	281.5	299

Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Specifications





Bore Size(mm)	6 Ø6x2 amount to Ø8	8 Ø8x2 amount to Ø11	12 Ø12x2 amount to Ø17	16 Ø16x2 amount to Ø22	20 Ø20x2 amount to Ø28	25 Ø25x2 amount to Ø35
Working Medium	Air					
Action	Double acting					
Max. Operating Pressure	0.7Mpa					
Min. Operating Pressure	0.15Mpa					
Ambient And Fluid Temperatur	-10~60°C (with no condensation)					
Piston Velocity	50~500mm/s					
Cushing	Rubber buffer (standard)					
Stroke Length Toleranc	±0~1					
Lubrication	No need, if needed, please use Turbine oil No.l ISOVG32					
Sensor Model	M9B					
Piping Size	M3×0.5	M5×0.8		1/8		

Features

- Double cylinder design,double power output,thin volume.
- The combination of cylinder and worktable reduces the overall size.
- Use cross roller design, lowfriction, without gap between cylinder and working table, suitable precision installation.
- Can be mounted from three directions.
- Built-in magnetic ring,can be installed sensor
- Stroke adjusters are available(0~5mm),djuster on extensionend/retractionend/bothends

Cylinder Theoretical Output Sheet (Double Cylinder Design)

Bore Size(mm)	Action Direction	Compression Area (mm^2)	Operating Pressure(Mpa)					
			0.2	0.3	0.4	0.5	0.6	0.7
Ø6×2	OUT	57	11	17	23	29	34	40
	IN	42	8	13	17	21	25	29
Ø8×2	OUT	101	20	30	40	51	61	71
	IN	75	15	23	30	38	45	53
Ø12×2	OUT	226	45	68	90	113	136	158
	IN	170	34	51	68	85	102	119
Ø16×2	OUT	402	80	121	161	201	241	281
	IN	302	60	91	121	151	181	211
Ø20×2	OUT	628	126	188	251	314	377	440
	IN	471	94	141	188	236	283	330
Ø25×2	OUT	982	196	295	393	491	589	687
	IN	756	151	227	302	378	454	529

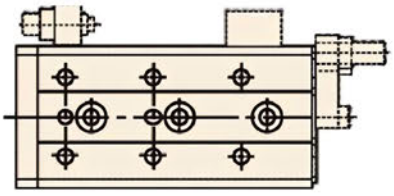
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VGXS Series
Air Slide Table Cylinder

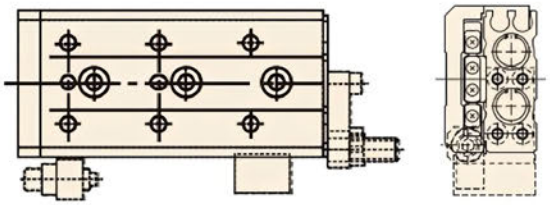
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Ordering Code

Standard Type(Nil)



Symmetric Type (with L)



VXS	12	□	×	50	AS
	①	②		③	④

① Bore Size	② Model	③ Stroke	④ Adjusting Device	
	Nil-standard L-symmetric		Nil	Nil
			AS	Storke adjuster at extension end
			AT	Stroke adjuster at retraction end
			A	Stroke adjuster at both sides
			*BS	Hydraulic buffer at extension end
			*BT	Hydraulic buffer at retraction end
			*B	Hydraulic buffer at both sides
			AB	Storke adjuster at extension end and hydraulic buffer at retraction end
			BA	Storke adjuster at extension end and hydraulic buffer at retraction end

Stroke / Sensor Option

Bore Size (mm)	Standard Stroke	Function Optional	Sensor
		Stroke Adjuster	
6	10 /20 / 30 / 40 / 50	●	M9B
8	10 /20 / 30 / 40 / 50 / 75	●	
12	10 /20 / 30 / 40 / 50 / 75 / 100	●	
16	10 /20 / 30 / 40 / 50 / 75 / 100 / 125	●	
20 / 25	10 /20 / 30 / 40 / 50 / 75 / 100 / 125 / 150	●	

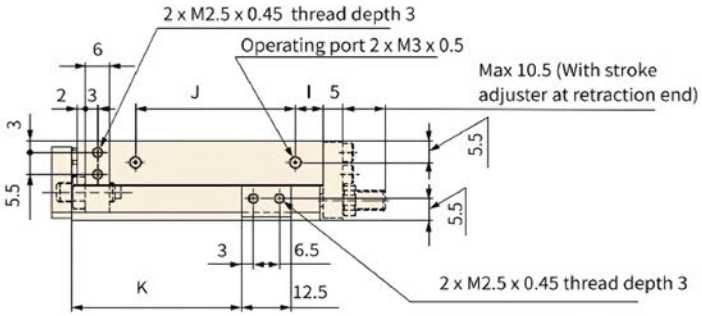
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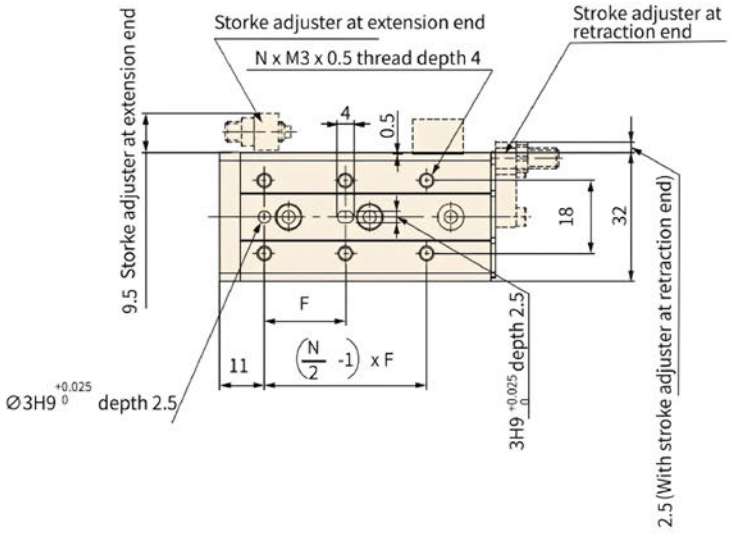
VGXS Series
Air Slide Table Cylinder

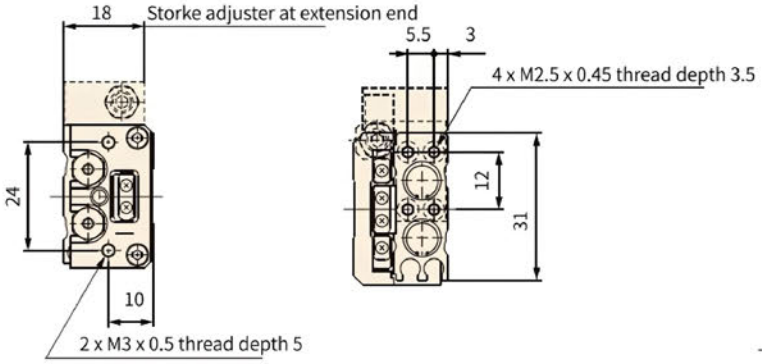
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

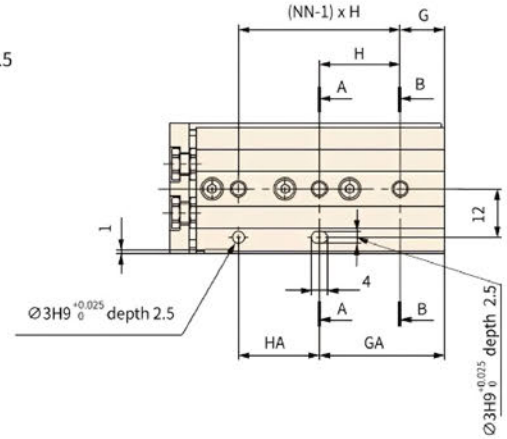
Overall Dimension

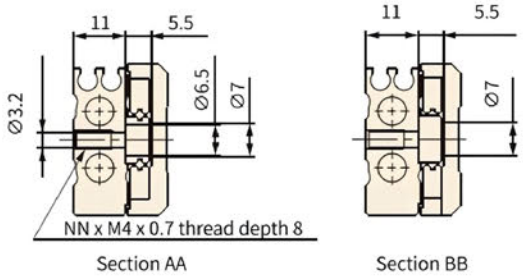
VXS 6

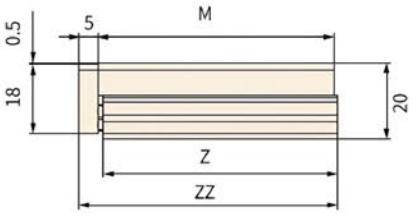












Model	F	N	G	H	NN	GA	HA	I	J	K	KA	M	Z	ZZ
VXS 6-10	20	4	6	25	2	13	20	10	17	22.5	22.5	42	41.5	48
VXS 6-20	30	4	6	35	2	13	20	10	27	32.5	32.5	52	51.5	58
VXS 6-30	20	6	11	20	3	29	20	7	40	42.5	42.5	62	61.5	68
VXS 6-40	28	6	13	30	3	39	30	19	50	52.5	52.5	84	83.5	90
VXS 6-50	38	6	17	24	4	49	48	25	60	62.5	62.5	100	99.5	106

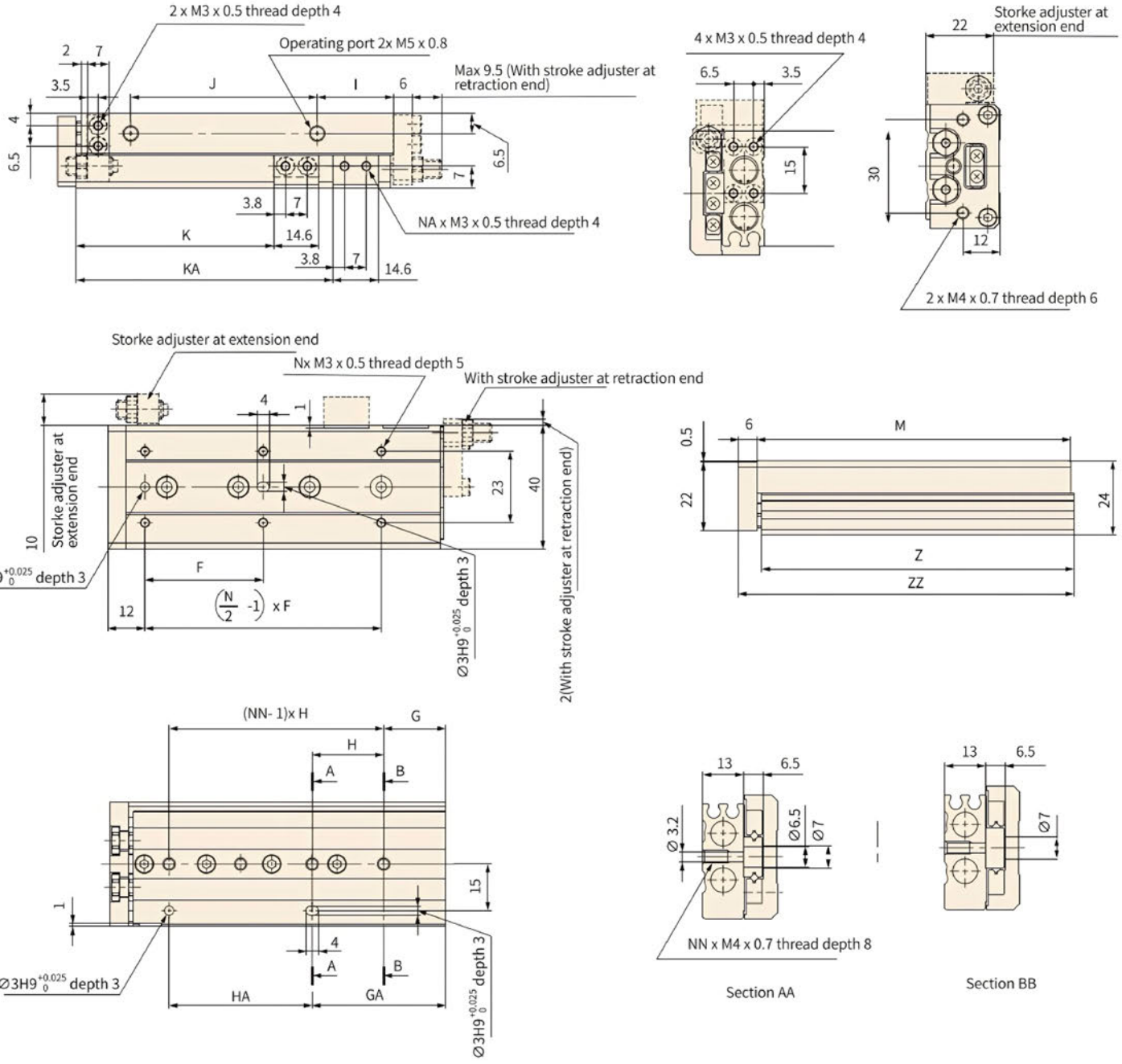
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 8



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 8-10	25	4	9	28	2	17	20	13	20	23.5	-	2	49	48.5	56
VXS 8-20	30	4	12	30	2	12	30	8.5	29.5	33.5	-	2	54	53.5	61
VXS 8-30	40	6	13	20	3	33	20	9.5	439	43.5	-	2	65	64.5	72
VXS 8-40	50	6	15	28	3	43	28	10.5	56	53.5	-	2	83	82.5	90
VXS 8-50	38	6	20	23	4	43	46	24.5	60	63.5	82.5	4	101	100.5	108
VXS 8-75	50	6	27	28	5	83	56	38.5	96	88.5	132.5	4	151	150.5	158

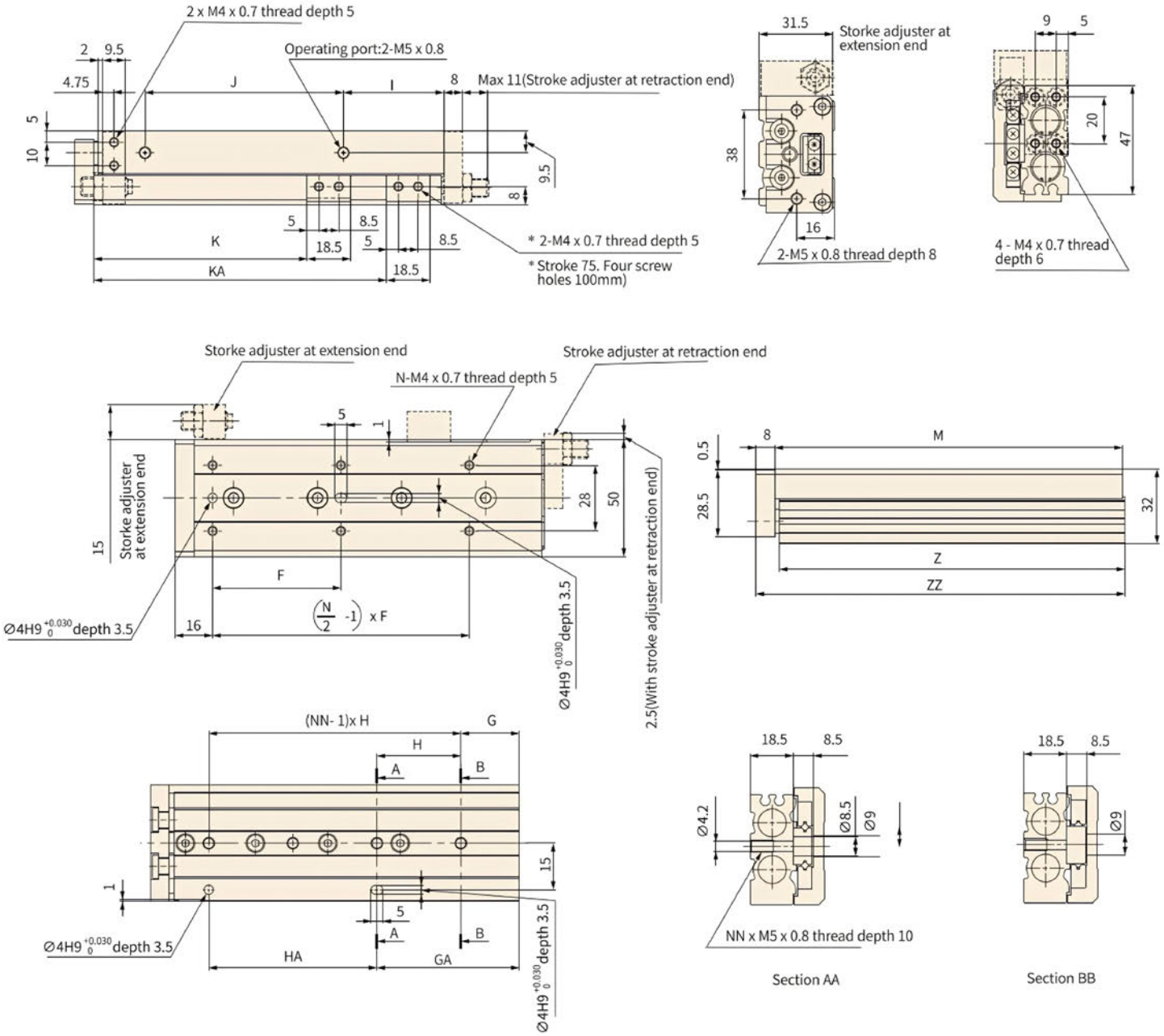
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 12



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 12-10	25	4	15	40	2	18	40	10	40	26.5	-	2	71	70	80
VXS 12-20	35	4	15	40	2	18	40	10	40	36.5	-	2	71	70	80
VXS 12-30	35	4	15	40	2	20	40	10	40	46.5	-	2	71	70	80
VXS 12-40	50	6	17	25	3	38	25	10	52	56.5	-	2	83	82.5	92
VXS 12-50	35	6	15	36	3	48	36	22	60	66.5	-	2	103	102	112
VXS 12-75	55	8	25	36	4	59	72	43	85	91.5	125.5	4	149	148	158
VXS 12-100	65	6	35	38	5	84	76	52	130	116.5	179.5	4	203	202	212

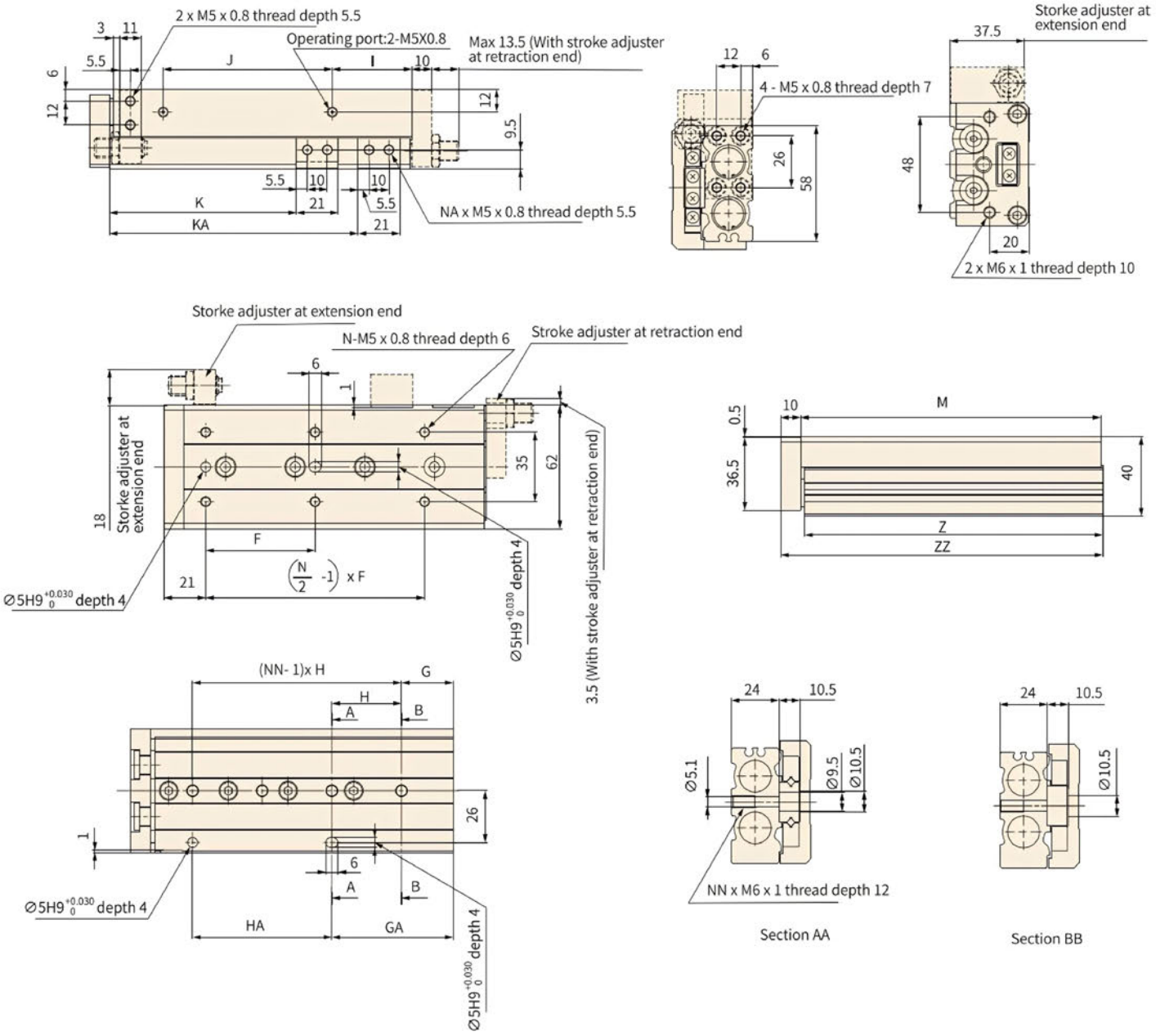
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 16



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 16-10	35	4	16	40	2	16	40	10	40	29	-	2	76	75	87
VXS 16-20	35	4	16	40	2	16	40	10	40	39	-	2	76	75	87
VXS 16-30	35	4	16	40	2	16	40	10	40	49	-	2	76	75	87
VXS 16-40	40	4	16	50	2	16	50	10	50	59	-	2	86	75	97
VXS 16-50	30	6	21	30	3	21	30	15	60	69	-	2	101	100	112
VXS 16-75	55	6	26	35	3	61	70	40	85	94	125	4	151	150	162
VXS 16-100	65	6	39	35	4	109	70	55	118	119	173	4	199	198	210
VXS 16-125	70	8	19	35	7	159	70	67	155	144	223	4	249	248	260

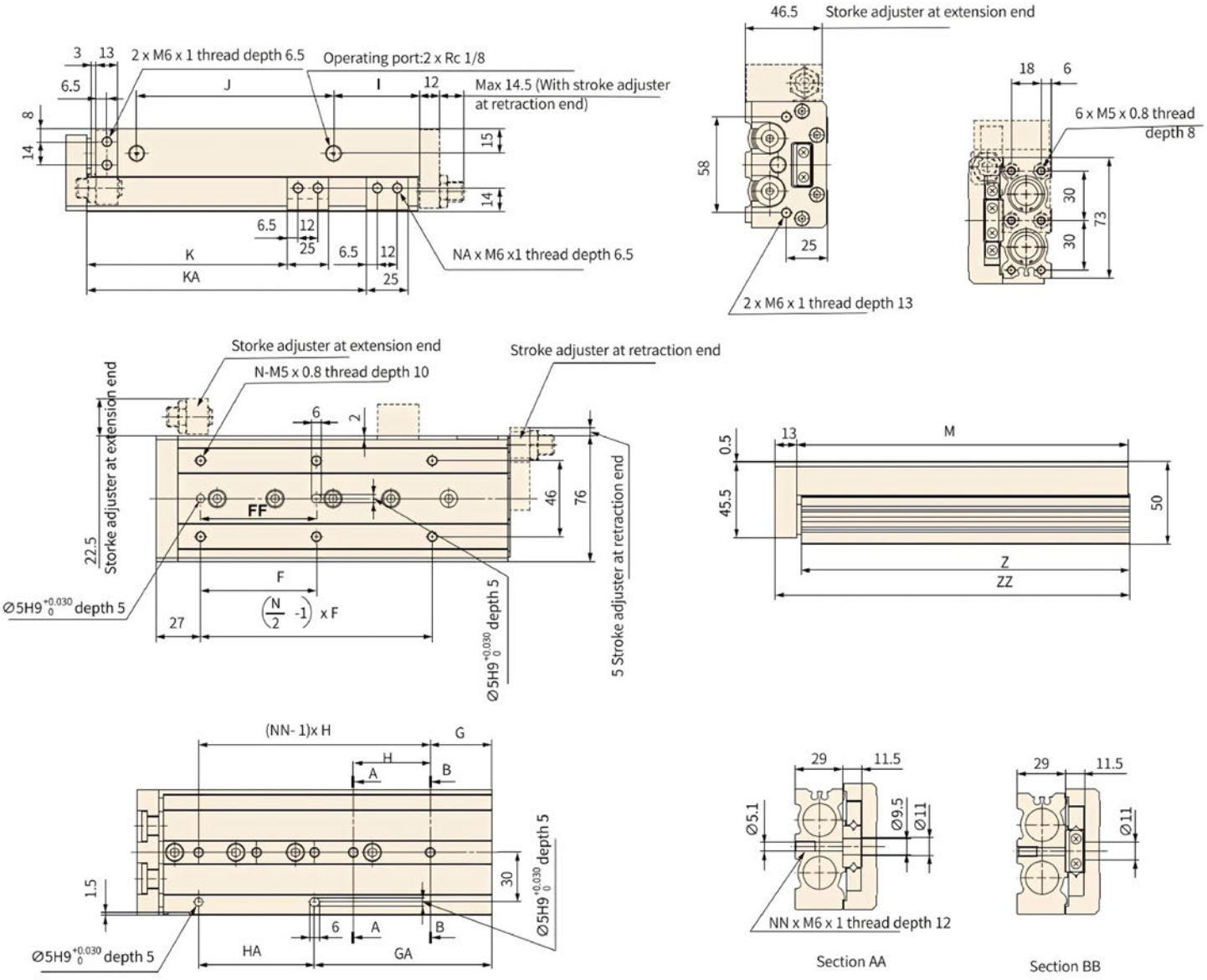
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 20



Model	F	FF	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 20-10	50	40	4	15	45	2	25	35	10	44	31	-	2	83	81.5	97
VXS 20-20	50	40	4	15	45	2	25	35	10	44	41	-	2	83	81.5	97
VXS 20-30	50	40	4	15	45	2	25	35	10	44	51	-	2	83	81.5	97
VXS 20-40	60	50	4	15	55	3	35	35	10	54	61	-	2	93	91.5	107
VXS 20-50	35	35	6	45	35	3	50	35	10	69	71	-	2	108	106.5	122
VXS 20-75	60	60	6	19	35	4	54	70	10	108	96	-	2	147	145.5	161
VXS 20-100	70	70	8	37	35	5	107	70	58	113	121	169	4	200	198.5	214
VXS 20-125	70	70	8	41	38	6	155	76	70	155	146	223	4	254	152.5	268
VXS 20-150	80	80	8	19	44	7	195	88	87	190	171	275	4	306	304.5	320

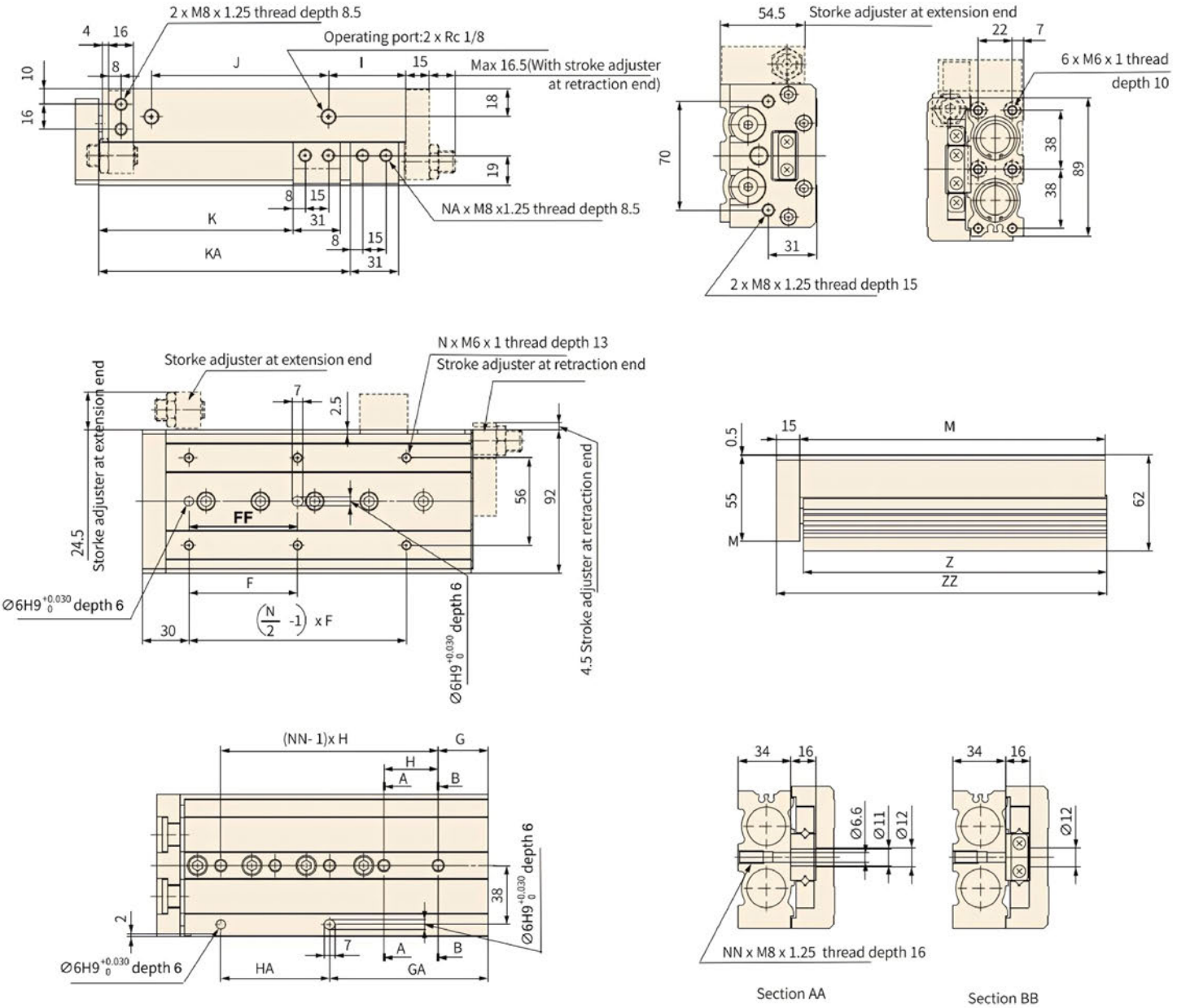
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 25



Model	F	FF	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 25-10	50	40	4	22	45	2	22	55	12	47	35	-	2	92	90.5	108
VXS 25-20	50	40	4	22	45	2	22	55	12	47	45	-	2	92	90.5	108
VXS 25-30	50	40	4	22	45	2	22	55	12	47	55	-	2	92	90.5	108
VXS 25-40	60	50	4	22	55	3	22	65	12	57	65	-	2	102	100.5	118
VXS 25-50	35	35	6	20	35	3	55	80	12	70	75	-	2	115	113.5	131
VXS 25-75	60	60	6	26	35	4	61	65	33	90	100	-	2	156	154.5	172
VXS 25-100	70	70	6	32	35	5	102	88	50	114	125	162	4	197	195.5	213
VXS 25-125	70	70	8	40	38	6	154	132	67	155	150	218	4	255	253.5	271
VXS 25-150	80	80	8	30	40	7	190	132	82	180	175	258	4	295	293.5	311

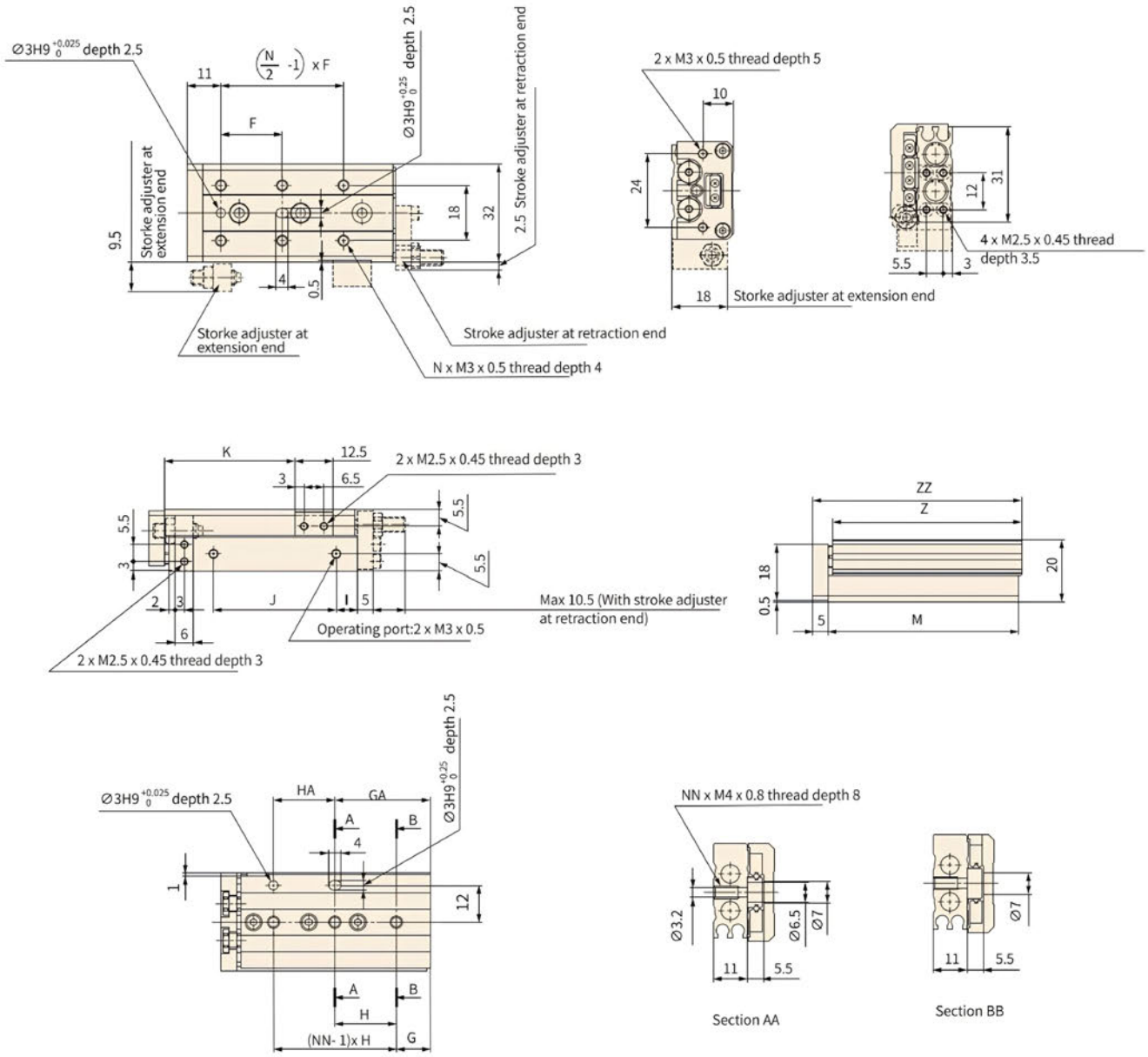
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 6 L



Model	F	N	G	H	NN	GA	HA	I	J	K	M	Z	ZZ
VXS 6 L-10	20	4	6	25	2	11	20	10	17	22.5	42	41.5	48
VXS 6 L-20	30	4	6	35	2	21	20	10	27	32.5	52	51.5	58
VXS 6 L-30	20	6	11	20	3	31	20	7	40	42.5	62	61.5	68
VXS 6 L-40	28	6	13	30	3	43	30	19	50	52.5	84	83.5	90
VXS 6 L-50	38	6	17	24	4	41	48	25	60	62.5	100	99.5	106

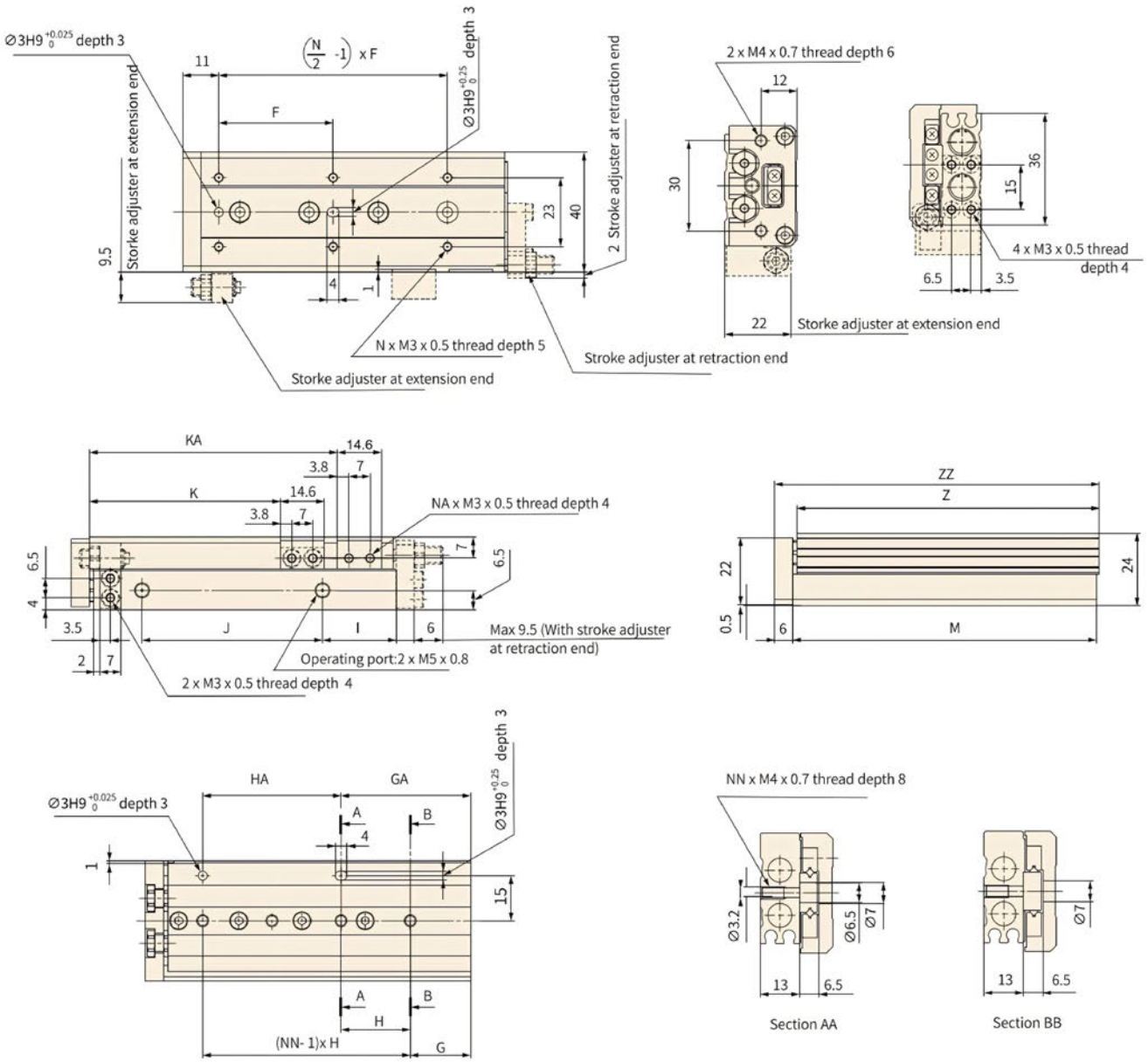
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 8 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 8 L-10	25	4	9	28	2	17	20	13	20	23.5	-	2	49	48.5	56
VXS 8 L-20	30	4	12	30	2	12	30	8.5	29.5	33.5	-	2	54	53.5	61
VXS 8 L-30	40	4	13	20	3	33	20	9.5	439	43.5	-	2	65	64.5	72
VXS 8 L-40	50	6	15	28	3	43	28	10.5	56	53.5	-	2	83	82.5	90
VXS 8 L-50	38	6	20	23	4	43	46	24.5	60	63.5	82.5	4	101	100.5	108
VXS 8 L-75	50	6	27	28	8	83	56	38.5	96	88.5	132.5	4	151	150.5	158

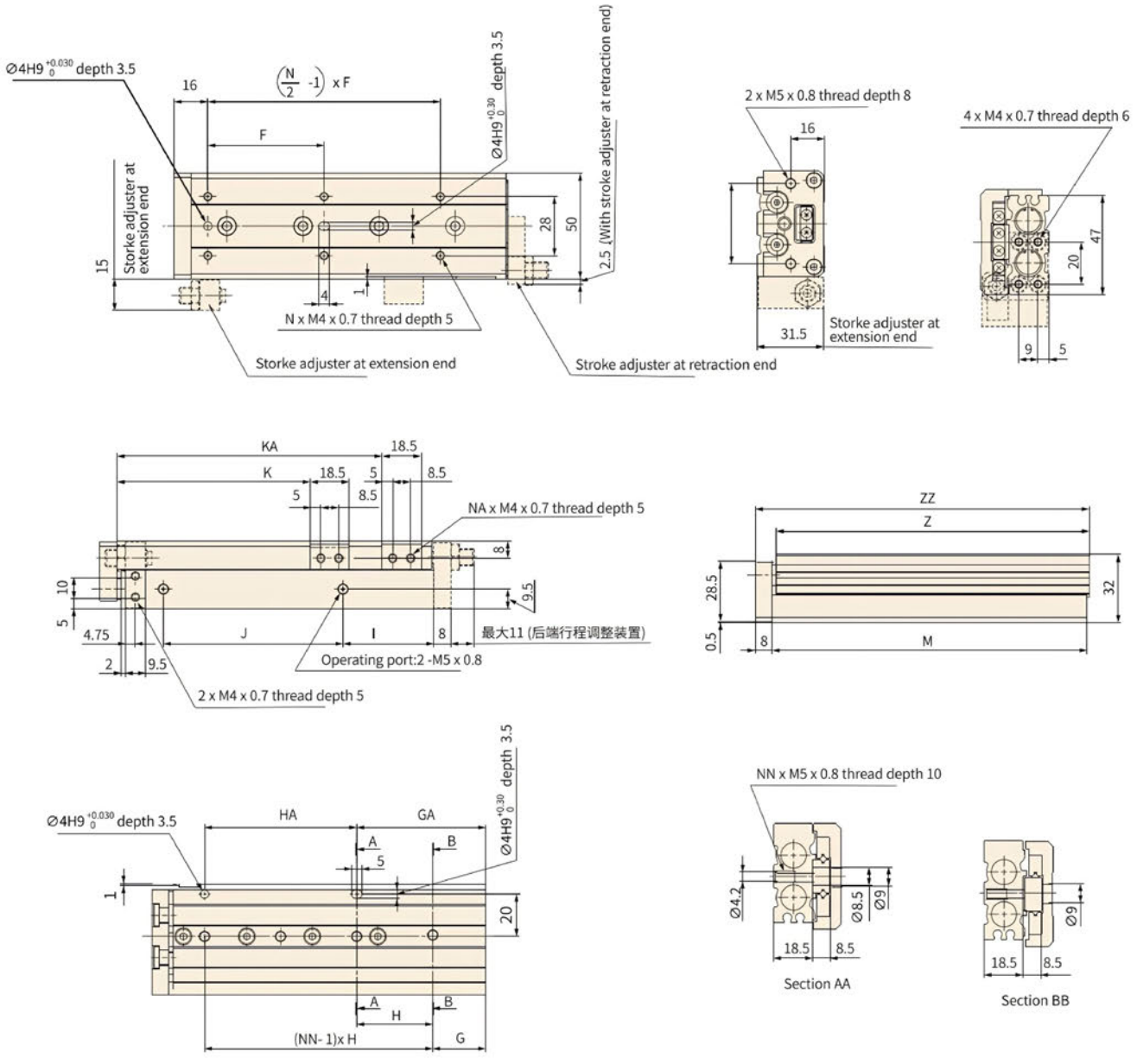
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VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 12 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 12 L-10	25	4	15	40	2	15	40	10	40	26.5	-	2	71	70	80
VXS 12 L-20	35	4	15	40	2	15	40	10	40	36.5	-	2	71	70	80
VXS 12 L-30	35	4	15	40	2	15	40	10	40	46.5	-	2	71	70	80
VXS 12 L-40	50	6	17	25	3	42	25	10	52	56.5	-	2	83	82.5	92
VXS 12 L-50	35	6	15	36	3	51	36	22	60	66.5	-	2	103	102	112
VXS 12 L-75	55	6	25	36	4	61	72	43	85	91.5	125.5	4	149	148	158
VXS 12 L-100	65	6	35	38	5	111	76	52	130	116.5	179.5	4	203	202	212

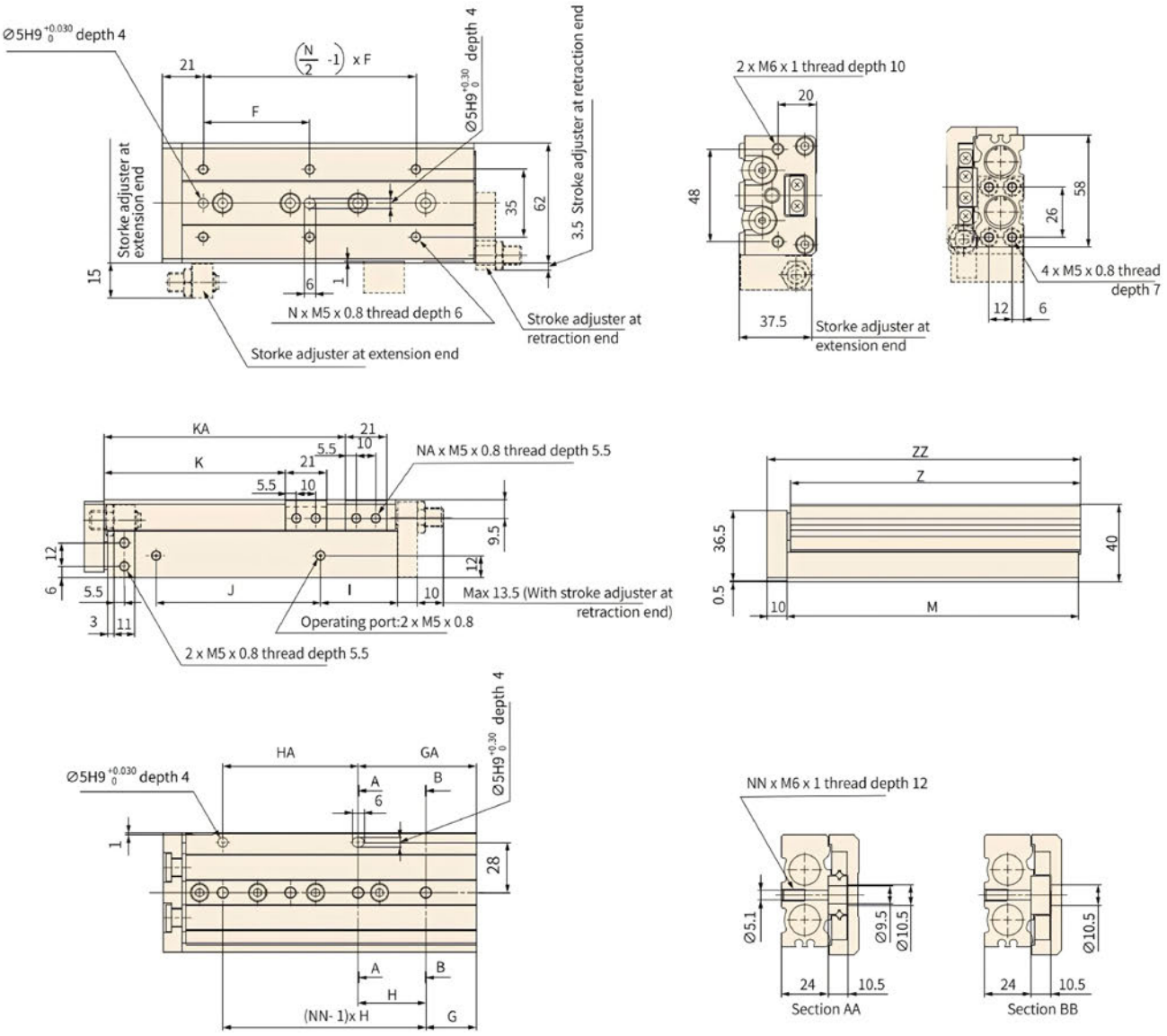
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 16 L



Model	F	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 16 L-10	35	4	16	40	2	16	40	10	40	29	-	2	76	75	87
VXS 16 L-20	35	4	16	40	2	16	40	10	40	39	-	2	76	75	87
VXS 16 L-30	35	4	16	40	2	16	40	10	40	49	-	2	76	75	87
VXS 16 L-40	40	4	16	50	3	16	50	10	50	59	-	2	86	75	97
VXS 16 L-50	30	6	21	30	3	51	30	15	60	69	-	2	101	100	112
VXS 16 L-75	55	6	26	35	4	61	70	40	85	94	125	4	151	150	162
VXS 16 L-100	65	6	39	35	5	109	70	55	118	119	173	4	199	198	210
VXS 16 L-125	70	8	19	35	7	159	70	68	155	144	223	4	249	248	260

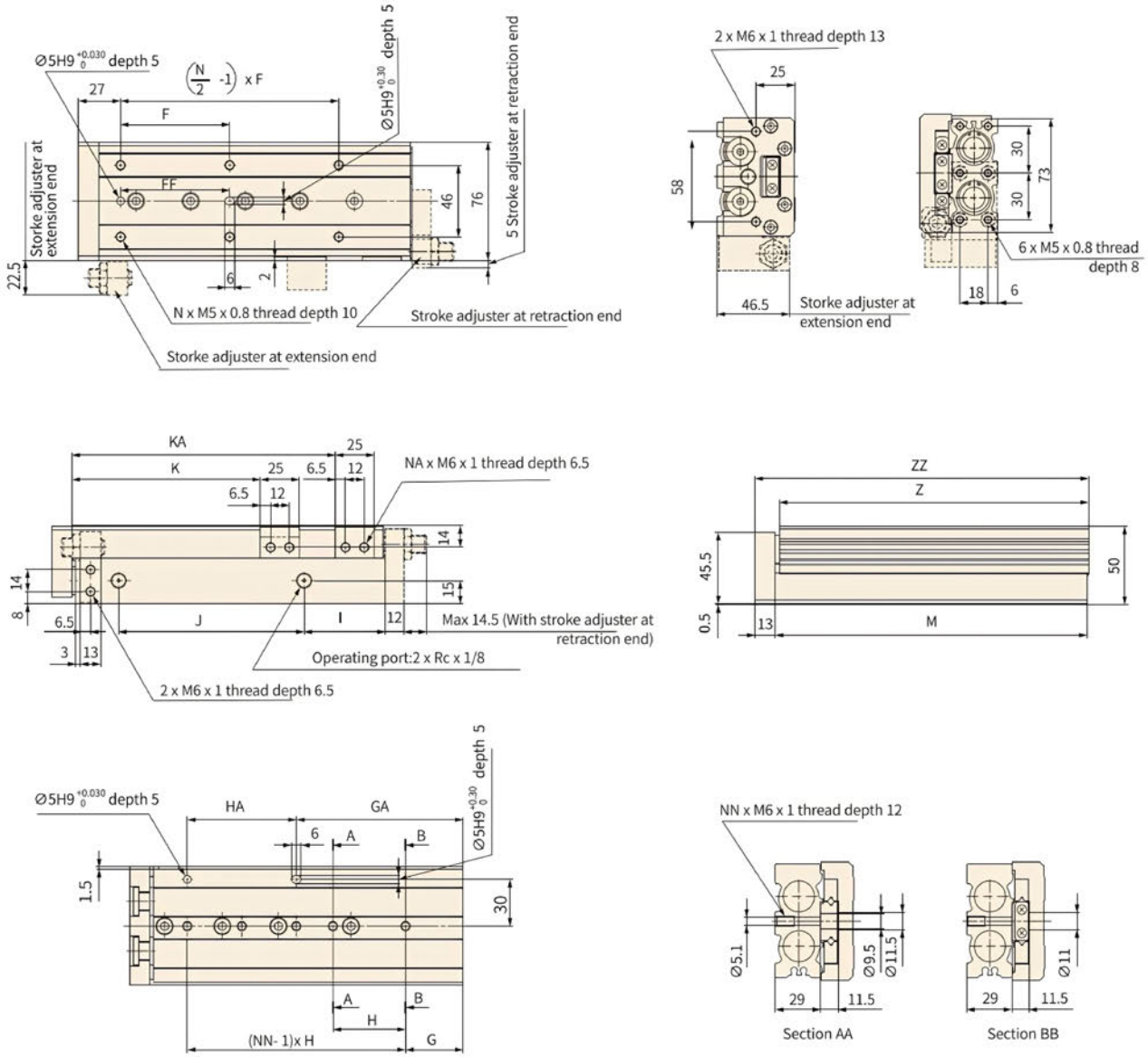
Return Catalog

VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 20 L



Model	F	FF	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 20 L-10	50	40	4	15	45	2	25	35	10	44	31	-	2	83	81.5	97
VXS 20 L-20	50	40	4	15	45	2	25	35	10	44	41	-	2	83	81.5	97
VXS 20 L-30	50	40	4	15	45	2	25	35	10	44	51	-	2	83	81.5	97
VXS 20 L-40	60	50	4	15	55	3	35	35	10	54	61	-	2	93	91.5	107
VXS 20 L-50	35	35	6	45	35	3	50	35	10	69	71	-	2	108	106.5	122
VXS 20 L-75	60	60	6	19	35	4	54	70	10	108	96	-	2	147	145.5	161
VXS 20 L-100	70	70	6	37	35	5	107	70	58	113	121	169	4	200	198.5	214
VXS 20 L-125	70	70	8	41	38	6	155	76	70	155	146	223	4	254	152.5	268
VXS 20 L-150	80	80	8	19	44	7	195	88	87	190	171	275	4	306	304.5	320

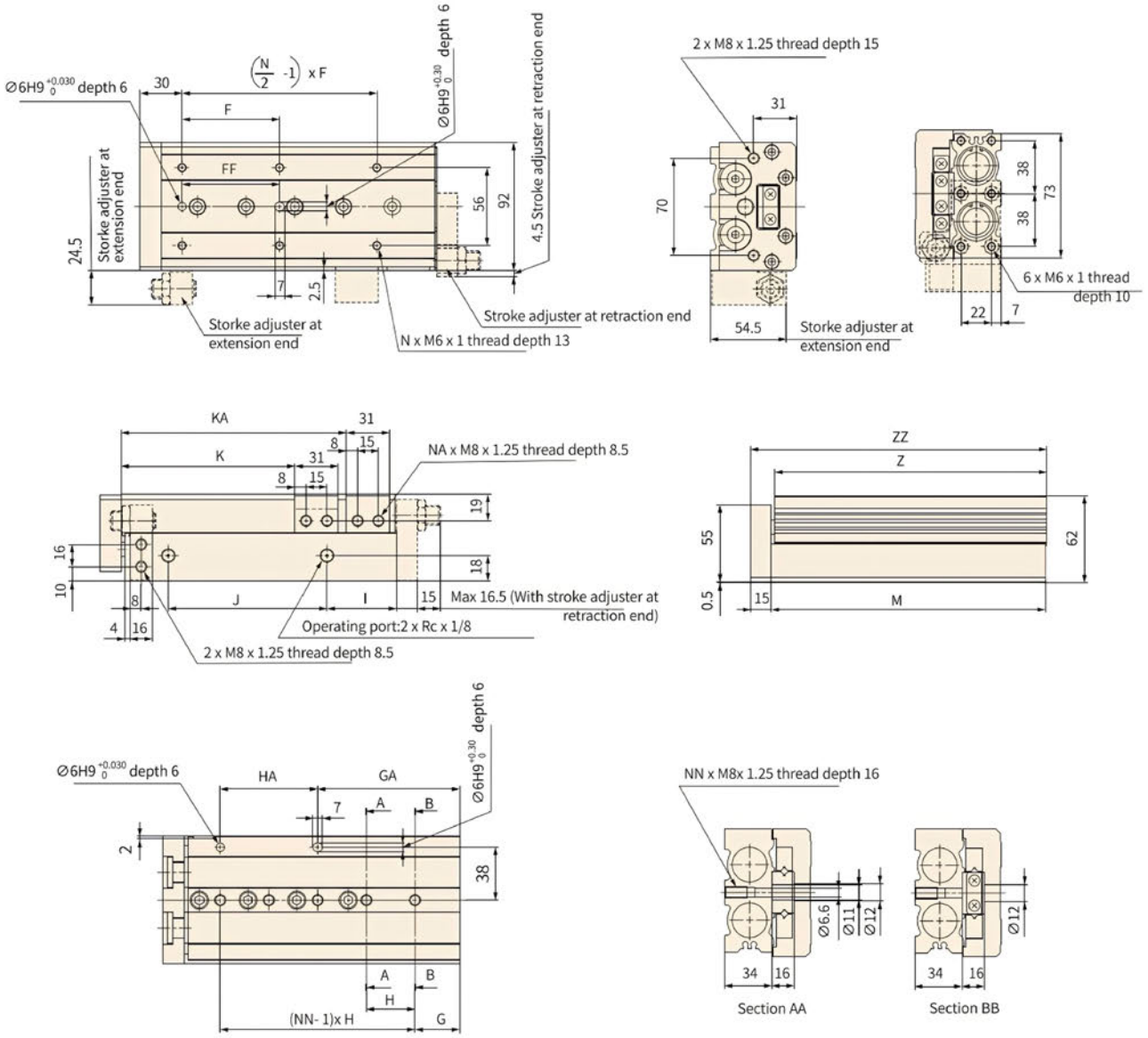
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VGXS Series
Air Slide Table Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VXS 25 L



Model	F	FF	N	G	H	NN	GA	HA	I	J	K	KA	NA	M	Z	ZZ
VXS 25 L-10	50	40	4	22	45	2	22	45	12	47	35	-	2	92	90.5	108
VXS 25 L-20	50	40	4	22	45	2	22	45	12	47	45	-	2	92	90.5	108
VXS 25 L-30	50	40	4	22	45	2	22	45	12	47	55	-	2	92	90.5	108
VXS 25 L-40	60	50	4	22	55	3	22	55	12	57	65	-	2	102	100.5	118
VXS 25 L-50	35	35	6	20	35	3	55	35	12	70	75	-	2	115	113.5	131
VXS 25 L-75	60	60	6	26	35	4	61	70	33	90	100	-	2	156	154.5	172
VXS 25 L-100	70	70	6	32	35	5	102	70	50	114	125	162	4	197	195.5	213
VXS 25 L-125	70	70	8	40	38	6	154	70	67	155	150	218	4	255	253.5	271
VXS 25 L-150	80	80	8	30	40	7	190	80	82	180	175	258	4	295	293.5	311

Return Catalog

VSQB Series

Rotary Table/Rack & Pinion Type

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Features

- Rotary table type, easy to install the workpiece.
- Hollow shafts can be used to introduce wires orair pipes.
- Standard Angle adjustment device, adjustmentAngle range is large (0~190°).
- Built-in magnetic ring, sensor can be installed.



VSQ B VSQ A

VSQ	B	10	A	M9BW
Model	Type	Bore Size (mm)	Port Location	Switch
		10 / 20	A: With adjustment bolt	Nil
		30 / 50	R: With internal shock absorber	*For the applicable auto switch model,t
		70 / 100		
		200		

Specification

Bore Size		10	20	30	50	70	100
Working Medium		Air(non-lubrication)					
Operation		Double Acting					
Operation Pressure Range		0.15~0.7MPa					
Ambient And Fluid Temperature		-10~60°C(with no condensation)					
Cushion		Rubber Buffer (Standard) y Hydralic buffer (optional)					
Enabling Function	With Adjusting Screw	0.007J	0.025J	0.048J	0.081J	0.024J	0.032J
	With Hydraulic Buffer	0.039J	0.116J		0.294J	1.1J	1.6J
Angle Adjustment Range		0~190°					
Max. Swing Angle		190°					
Stable Shaking Time Range	With Adjusting Screw	0.2~1.0s/90°				0.2~1.5s/90°	0.2~2.0s/90°
	With Hydraulic Buffer	0.2~0.7s/90°				0.2~1.0s/90°	
Port Size		M5×0.8			1/8		

[Note]: The maximum allowable thrust ofthe buffer determines the maximum operating pressure ofthe actuator

Weight

Unit: g

Size		10	20	30	50	70	100	200
Basic Type	With adjustment bolt	500	940	1230	1990	2880	4090	7580
	With internal shock absorber	510	940	1230	2010	2890	4100	7650
High Precision Type	With adjustment bolt	530	1040	1350	2150	-		
	With internal shock absorber	540	1040	1350	2170			

Note) Values above do not include auto switch weight.

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VSQB Series

Rotary Table(Rack&Pinion Style)

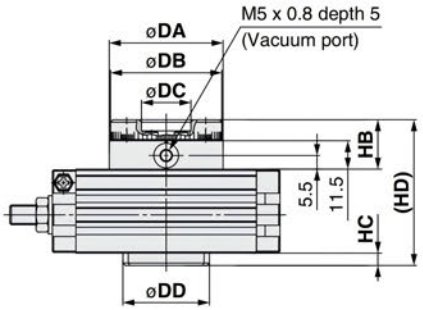
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Dimensions

MSQB□A / MSQB□R

Basic Type



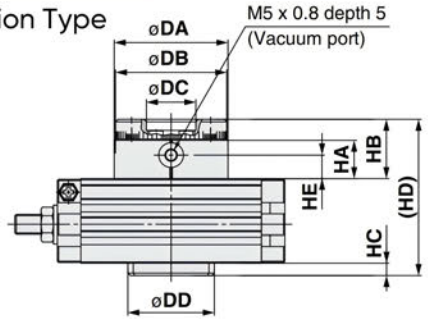
Unit: mm

Size	DA(h9)	DB(h9)	DC(h9)	DD(h9)	HB	HC	HD
10	45	45	20	35	20	5	59
20	61	60	28	40	22	6	65
30	67	65	32	48	22	6	68
50	77	75	35	54	24	7	77

Dimensions other than above are identical to the basic type

MSQB□A / MSQB□R

High Precision Type

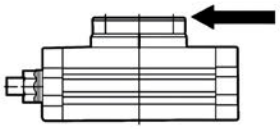


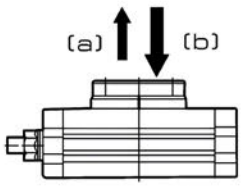
Unit: mm

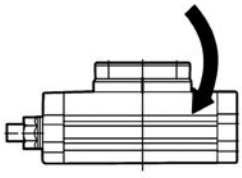
Size	DA(h8)	DB(h8)	DC(h8)	DD(h8)	HA	HB	HC	HD
10	46	45	20	35	15.5	20	5	59
20	61	60	28	40	19.5	22	6	65
30	67	65	32	48	19.5	22	6	68
50	77	75	35	54	21.5	24	7	77

Dimensions other than above are identical to the basic type

MAX Load







Model	Max.honjontal load (N)	Max.vertical load (N)		Max.bending (N.m)
		(a)	(b)	
MSQ□10□	78	74	78	2.4
MSQ□20□	147	137	137	4.0
MSQ□30□	196	197	363	5.3
MSQ□50□	314	296	451	9.7
MSQ□70□	333	296	476	12.0
MSQ□100□	390	493	708	18.0
MSQ□200□	543	740	1009	25.0

Return Catalog

VSQB Series

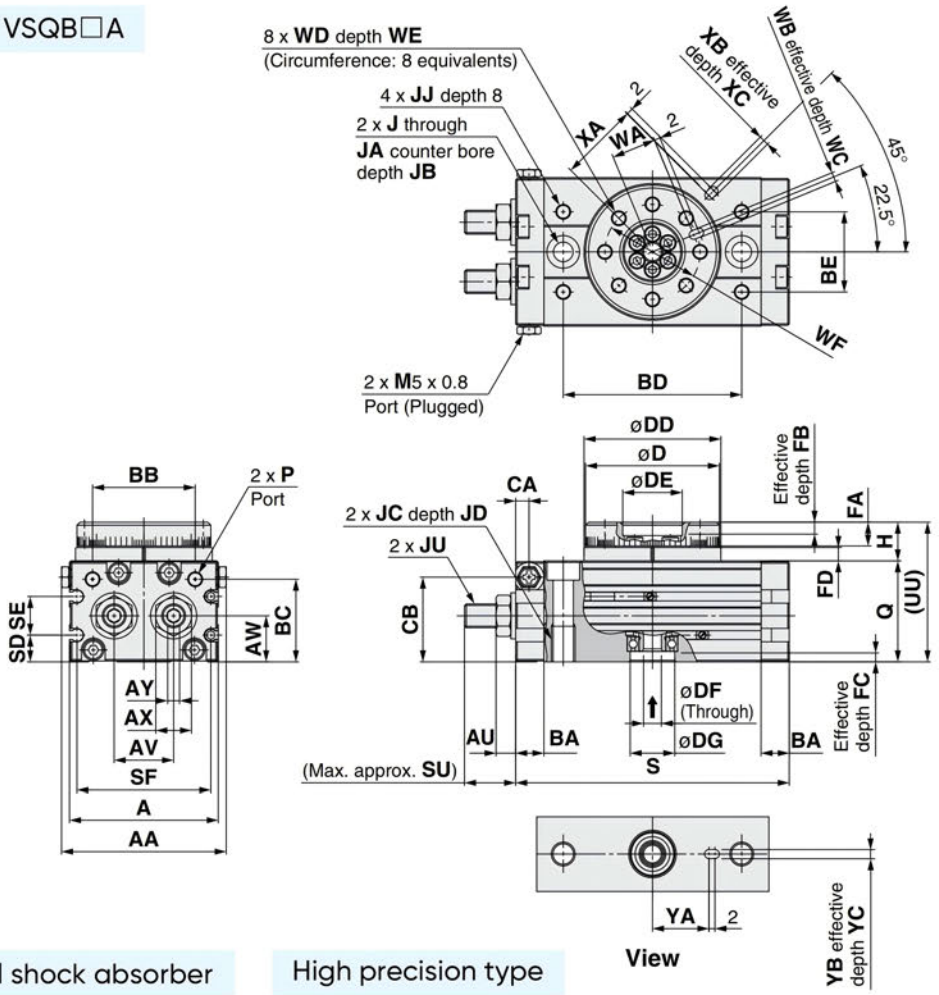
Rotary Table(Rack&Pinion Style)

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

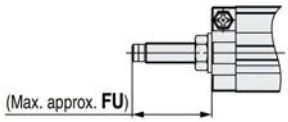
Dimensions / Size 10,20,30,50

Basic Type / VSQB□A



With internal shock absorber

VSQA□R
VSQB□R

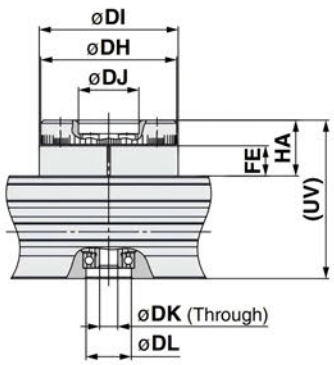


(mm)

Size	FU
10	31.5
20	34.7
30	34.7
50	51.7

High precision type

VSQA□A/With adjustment bolt
VSQA□R/With internal shock absorber



Unit: MM

Size	DH	DI	DJ	DK	DL	FE	HA	UV
10	45H8	46H8	20H8	6	15H8	10	18.5	52.5
20	60H8	61H8	28H8	9	17H8	15.5	26	63
30	65H8	67H8	32H8	12	22H8	16.5	27	67
50	75H8	77H8	35H8	13	26H8	17.5	30	76

Size	AA	AU	A	AV	AW	AX	AY	BA	BB	BC	BD	BE	CA	CB	D	DD	DE	DF	DG	FA	FB	FC	FD	H	J	JA	JB
10	55.4	6.6	50	20	15.5	12	4	9.5	34.5	27.8	60	27	4.5	28.5	45H9	46H9	20h9	6	15h9	8	4	3	4.5	13	6.8	11	6.5
20	70.8	7.6	65	27.5	16	14	5	12	46	30	76	34	6	30.5	60H9	61H9	28h9	9	17h9	10	6	2.5	6.5	17	8.6	14	8.5
30	75.4	7.6	70	29	18.5	14	5	12	50	32	84	37	6.5	33.5	65H9	67H9	32h9	12	22h9	10	4.5	3	6.5	17	8.6	14	8.5
50	85.4	10	80	38	22	19	6	15.5	63	37.5	100	50	10	37.5	75H9	77H9	35h9	13	26h9	12	5	3	7.5	20	10.5	18	10.5

Size	JC	JD	JJ	JU	P	Q	S	SD	SE	SF	SU	UU	WA	WB	WC	WD	WE	WF	XA	XB	XC	YA	YB	YC
10	M8×1.5	12	M5×0.8	M8×1	M5×0.8	34	92	9	13	45	17.7	47	15	3H9	3.5	M5×1.08	8	32	27	3H9	3.5	19	3H9	3.5
20	M10×1.5	15	M6×1.0	M10×1	M5×0.8	37	117	10	12	60	25	54	20.5	4H9	4.5	M6×1.0	10	43	36	4H9	4.5	24	4H9	4.5
30	M10×1.5	15	M6×1.0	M10×1	RC 1/8*	40	127	11.5	14	65	25	57	23	4H9	4.5	M6×1.0	10	48	39	4H9	4.5	28	4H9	4.5
50	M12×1.75	18	M8×1.25	M14×1.5	RC 1/8*	46	152	14.5	15	75	31.4	66	26.5	5H9	5.5	M8×1.25	12	55	45	5H9	5.5	33	5H9	5.5

*In addition to Rc 1/ 8, G 1/ 8 and NPT 1/ 8 are also available.

Return Catalog

VSQB Series

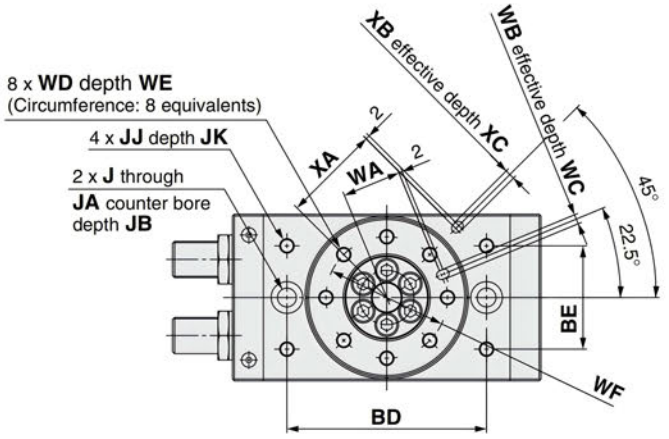
Rotary Table(Rack&Pinion Style)

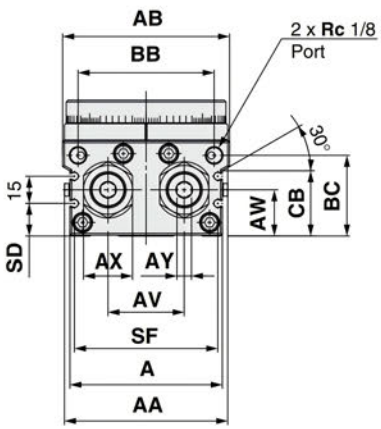
VILOP PNEUMATIC CO.,LTD

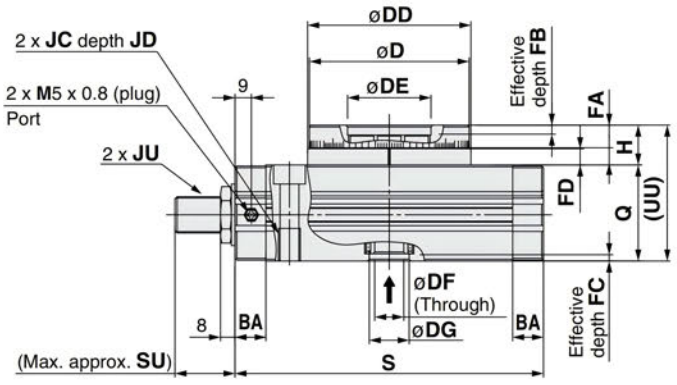
Cylinder series/Gas source series/Valve series/Other series

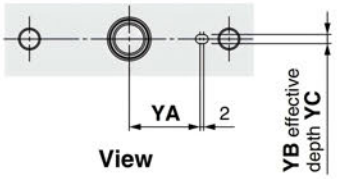
Dimensions / Size 70,100,200

Basic Type / VSQB□A

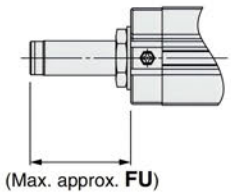








With shock absorber / VSQB□R



(mm)

Size	FU
70	55.4
100	55.5
200	79.5

Unit: mm

Size	AA	AB	A	AV	AW	AX	AY	BA	BB	BC	BD	BE	CB	D	DD	DE	DF	DG	FA	FB	FC	FD	H	J	JA	JB
70	90	92	84	42	25.5	27	8	17	75	44.5	110	57	36	88h9	90h9	46h9	16	22h9	12.5	5	3.5	9	22	10.4	17.5	10.5
100	101	102	95	50	29.5	27	8	17	85	50.5	130	66	42	98h9	100h9	56h9	19	24h9	14.5	6	3.5	12	27	10.4	17.5	10.5
200	119	120	113	60	36.5	36	10	24	103	65.5	150	80	57	116h9	118h9	64h9	24	32h9	16.5	9	5.5	15	32	14.2	20	12.5

Size	JC	JD	JJ	JK	JU	Q	S	SD	SF	SU	UU	WA	WB	WC	WD	WE	WF	XA	XB	XC	YA	YB	YC
70	M12×1.75	18	M8×1.25	10	M20×1.5	53	170	18	79	34.2	75	32.5	5H9	5.5	M8×1.25	12.5	67	54	5H9	3.5	39	5H9	3.5
100	M12×1.75	18	M8×1.25	10	M20×1.5	59	189	22	90	34.3	86	37.5	6H9	6.5	M10×1.5	14.5	77	59	6H9	4.5	49	6H9	4.5
200	M16×2	25	M12×1.75	13	M27×1.5	74	240	29	108	40.2	106	44	8H9	8.5	M12×1.75	16.5	90	69	8H9	4.5	54	8H9	6.5

*In addition to Rc 1/ 8, G 1/ 8 and NPT 1/ 8 are also available.

Return Catalog

VHC2 Series

Angular Type Air Gripper/Standard Type

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Features

- A large amount ofFgrippingforce is provided throughthe use of a double pistonmechanism,while maintain-ing a compact design.
- Built-in variable throttle.
- A solid state auto switchwith an indicator light canbe mounted.

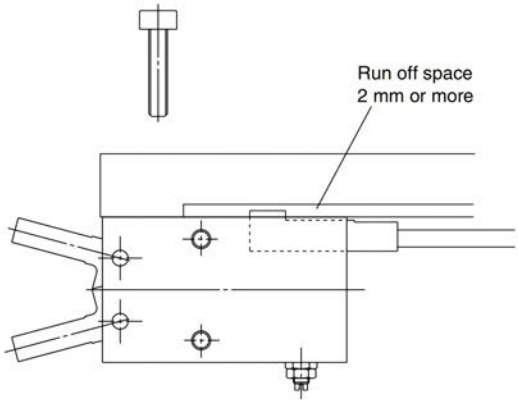
VHC2	20	20	M9BW
Series	Bore Size (mm)	Action	Switch
2 finger	10 / 16	D: Double Action	Nil
	20 / 25	S: Single Action	*For the applicable auto switch model,t

Specification

Bore Size(mm)	10	16	20	25
Working Medium	Air			
Operation	Double Acting / Sigle Acting			
Min.Operating Pressure	0.15 MPa			
Max.Operating Pressure	0.7 MPa			
Ambient And Fluid Temperature	-10~60°C (with no condensation)			
Max.Operating Frequency	180 (C.P.M)			
Sensor	D-M9			
*Grease	No need			
Cushion	Rubber cushion on both ends			
Piping Size	M3×0.5	M5×0.8		

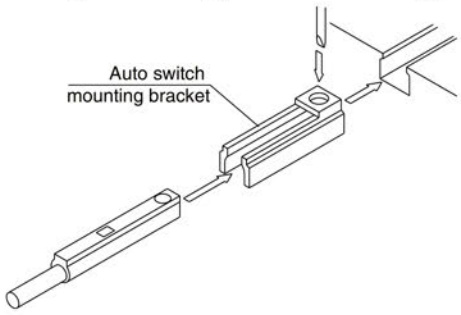
Handling of Mounting Brackets: Precautions

When auto switch is set on the mounting side as shown below, allow atleast 2 mm run off space on mounting late since the auto switch isprotruded from the gripper edge.



Auto Switch Mounting

(1)To set the auto switch, insert the auto switch into the installatiorgroove of the cylinder as shown below and set it roughly.
(2)Insert the auto switch into the auto switch bracket installation groove.
(3)After confirming the detecting position, tighten the set screws (M2.5) attached t theauto switch and set it.
(4)Be sure to change the detecting position in the state of (2).



Auto Switch Mounting Bracket: Part No.

Auto switch part no.	Auto switch mounting bracket part no.
D-M9□(V)/M9□W(V)/M9□A(V)	BMG2-012

Model

Action	Model	Bore Size (mm)	Gripping moment (N.m) (Effective value) (1)	Opening/closing angle (Both sides)	Weight (2) (g)
Double acting	VHC2-10D	10	0.10	30° to -10°	39
	VHC2-16D	16	0.39		91
	VHC2-20D	20	0.70		180
	VHC2-25D	25	1.36		311
Single acting	VHC2-10S	10	0.070	30° to -10°	39
	VHC2-16S	16	0.31		92
	VHC2-20S	20	0.54		183
	VHC2-25S	25	1.08		316

Note 1) At the pressure of 0.5 MPa.Please consult customer service.
Note 2) Except auto switch.

Return Catalog

VHC2 Series

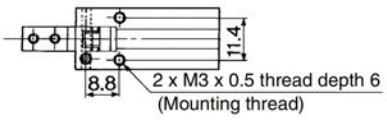
Angular Type Air Gripper/Standard Type

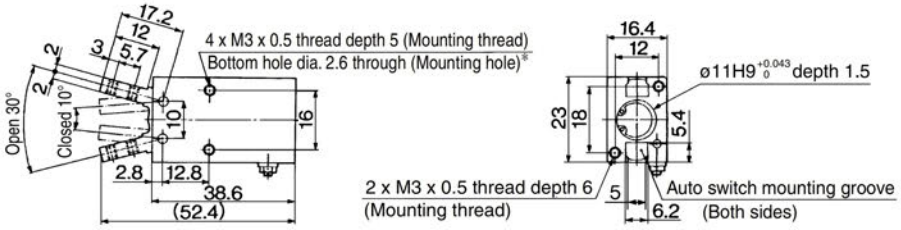
VILOP PNEUMATIC CO.,LTD

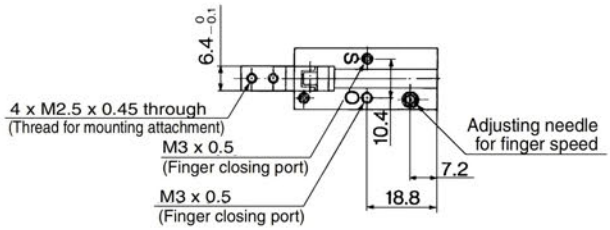
Cylinder series/Gas source series/Valve series/Other series

Double Acting

VHC 12 □



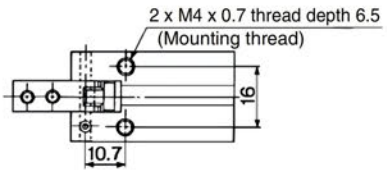


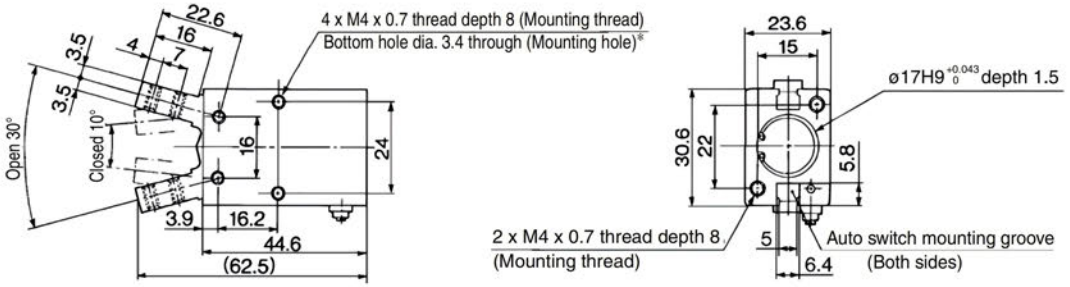


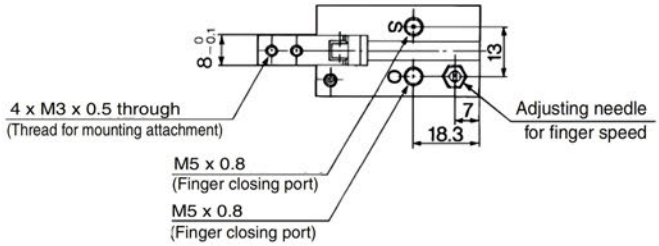
Note) When single acting type is used, one side port is breath port. No adjustment needle for finger speed is attached.

* When auto switches are used, through hole mounting is not available.

VHC 16 □







Note) When single acting type is used, one side port is breath port. No adjustment needle for finger speed is attached.

* When auto switches are used, through hole mounting is not available.

Return Catalog

VHC2 Series

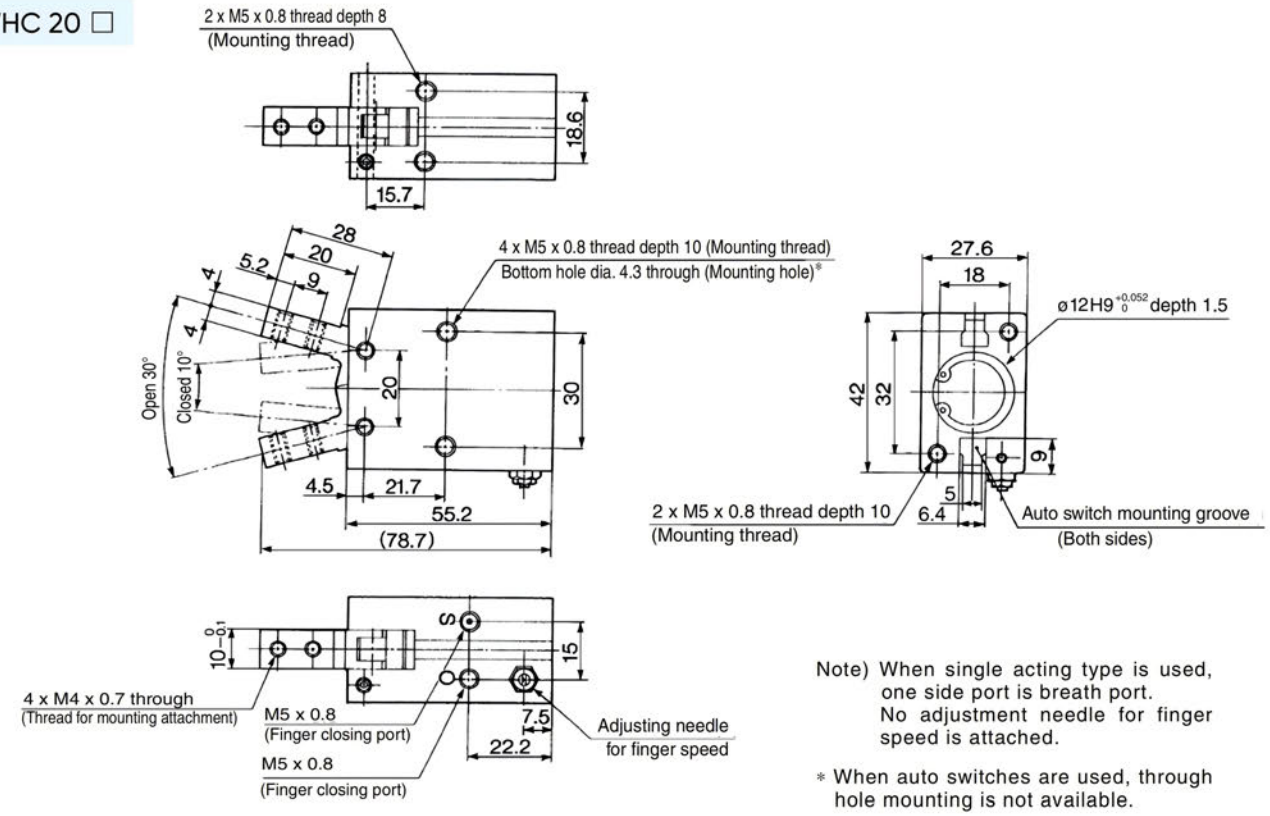
Angular Type Air Gripper/Standard Type

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Double Acting

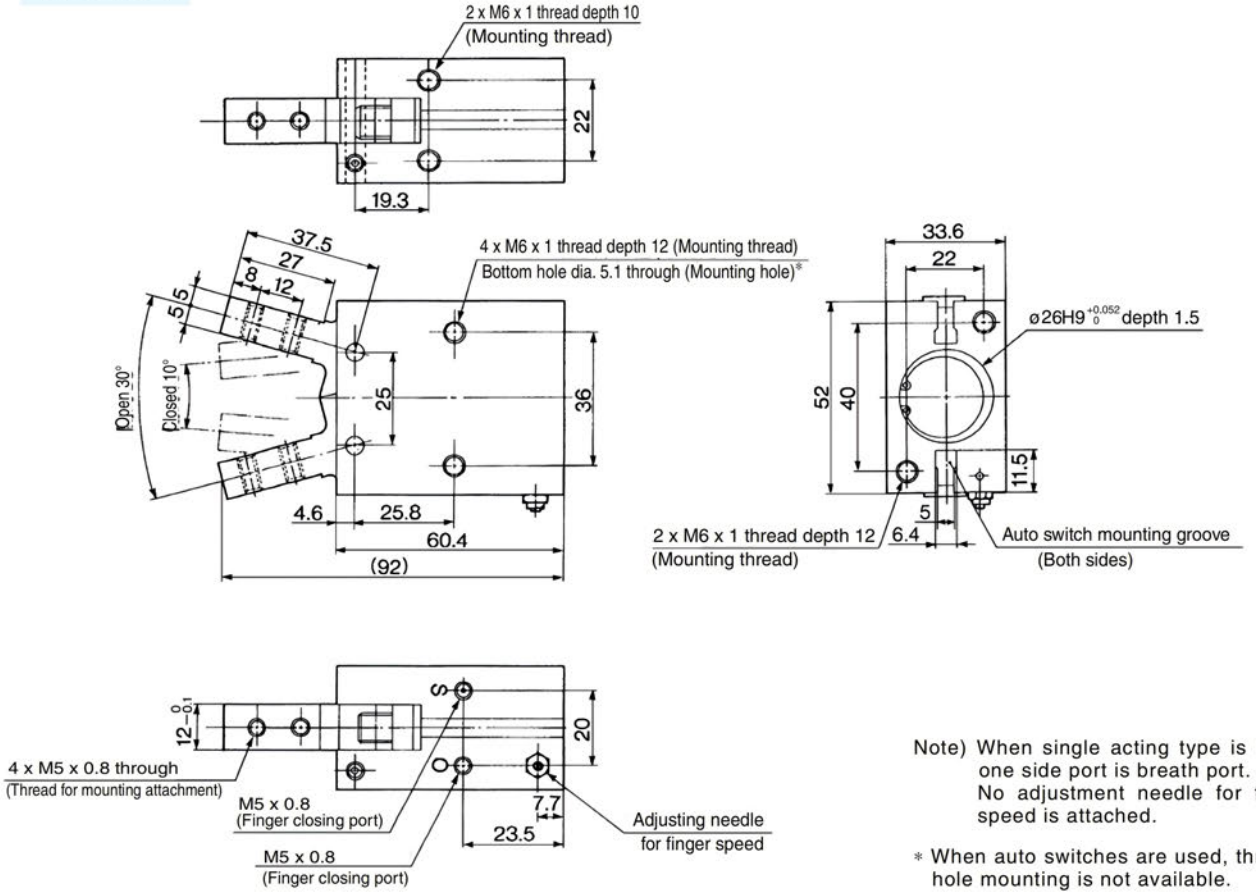
VHC 20 □



Note) When single acting type is used, one side port is breath port. No adjustment needle for finger speed is attached.

* When auto switches are used, through hole mounting is not available.

VHC 25 □



Note) When single acting type is used, one side port is breath port. No adjustment needle for finger speed is attached.

* When auto switches are used, through hole mounting is not available.

Return Catalog

VHY2 Series

180° AngularType Air Gripper

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Features

- Built-in magnetic ring, and sensor can be placed.
- 180°angular clamping type, simplify holding andplacing.
- Can be suitable for special environment use, finger openingand closing part is specially designed to prevent small objectsfrom entering.
- Easy to install, with positioning dowel pin hole.

VHY	2	16	D	2	M9BW
Series	Number of finger	Bore Size (mm)	Action	Fing option	AutoSwitch
	2 finger	10 / 16	Double Acting	Nil: Standard tapped mounting 	Ni:Without auto switch (Built-in magnet) 
		20 / 25		2: Through-holes in opening/closing direction 	

Specifications

Fluid	Air
Operating pressure	0.1 to 0.6 MPa
Ambient and fluid temperature	-10 to 60°C
Repeatability	+0.2 mm
Max. operating frequency	60 c.p.m.
Lubrication	Not required
Action	Double acting
Auto switch (Option)	Solid state auto switch (3-wire, 2-wire)

Model

Model	Bore Size(mm)	Effective gripping force[1](N.m)	Opening/Closing angle (Both sides)		Weight[2](g)
			Opening side	Closing side	
VMY2-10D	10	0.16	180°	-3°	70
VMY2-16D	16	0.54			150
VMY2-20D	20	1.10			320
VMY2-25D	25	2.28			560

Note 1) At the pressure of 0.5 MPa
Note 2) Except auto switch

Return Catalog

VHY2 Series

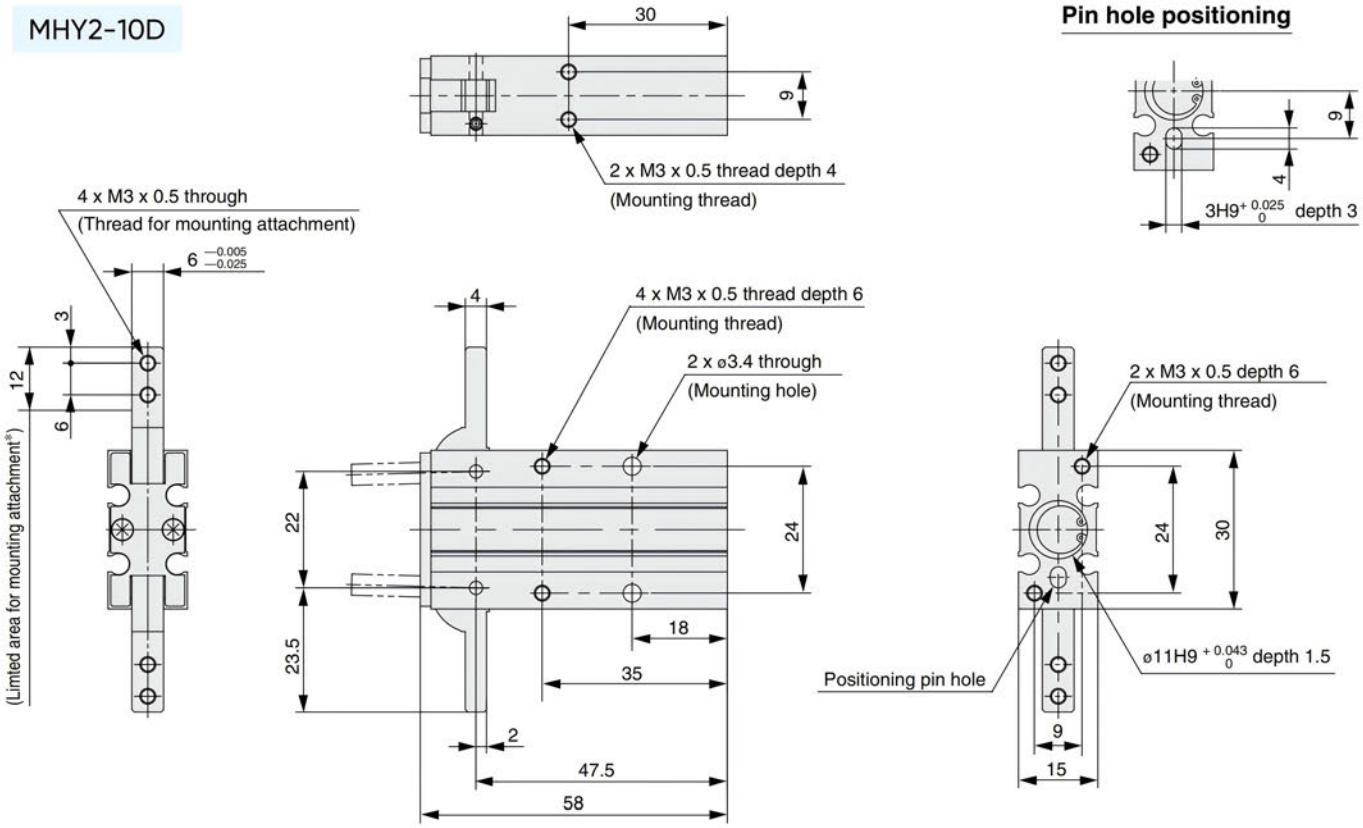
Air Gripper(Angle Openand Close Type)

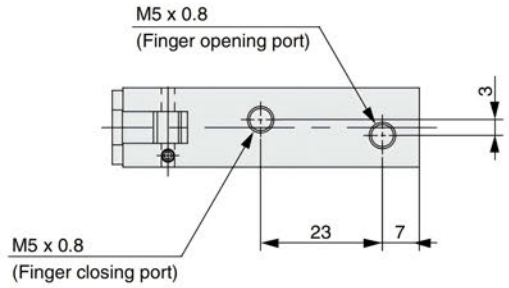
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

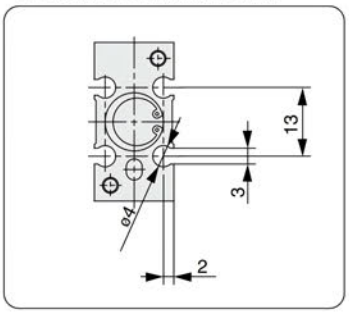
Overall Dimension

MHY2-10D



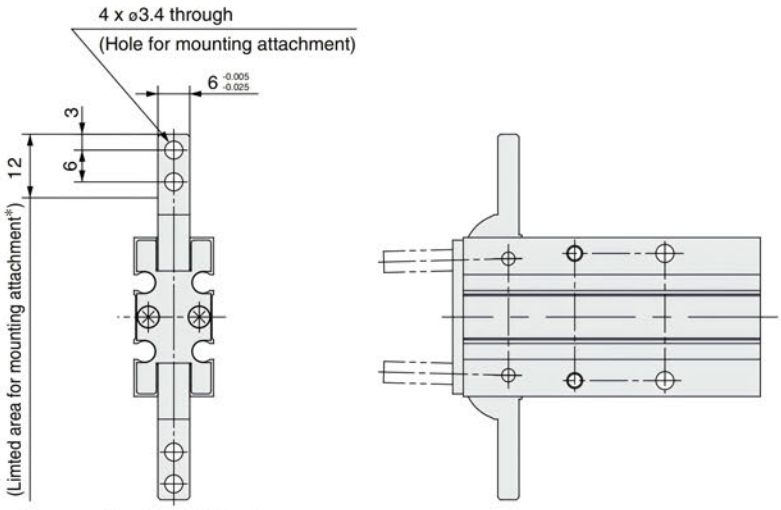


Auto Switch Mounting Groove Dimensions



MHY2-10D2

Opening/Closing directionthrough-hole type



* Do not extend the attachment from limited area for mounting toavoid interference with the attachment or main body.

Return Catalog

VHY2 Series

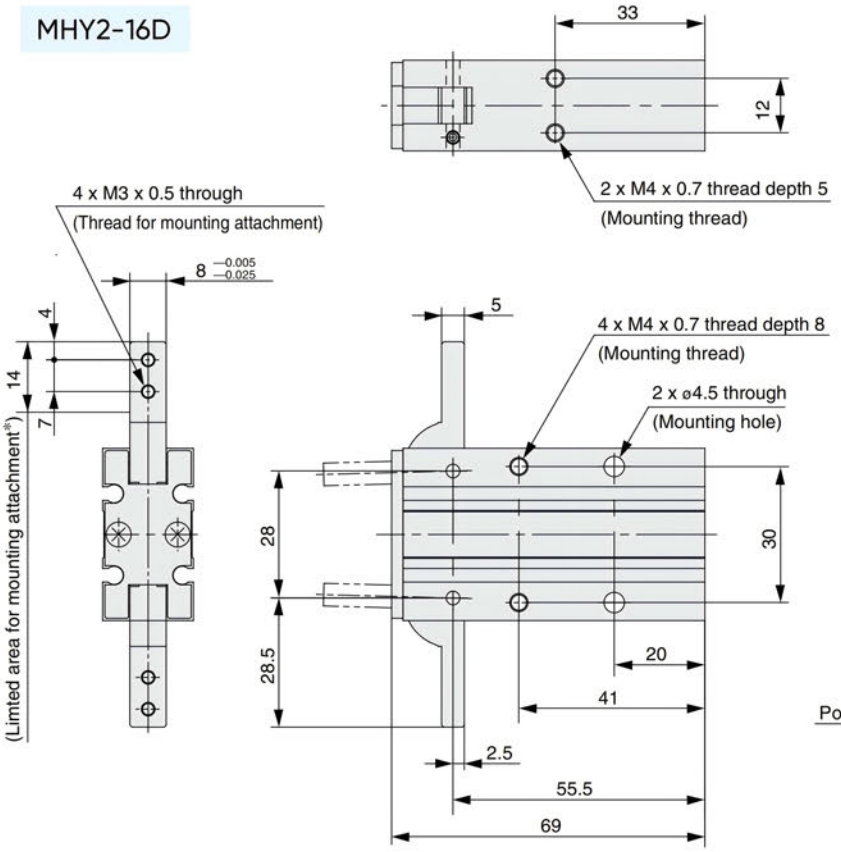
Air Gripper(Angle Openand Close Type)

VILOP PNEUMATIC CO.,LTD

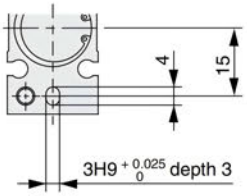
Cylinder series/Gas source series/Valve series/Other series

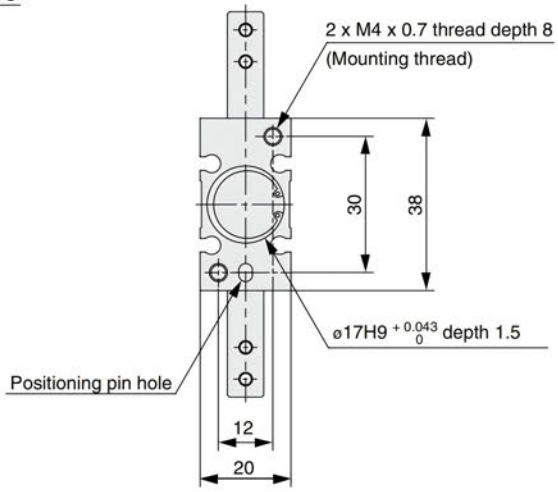
Overall Dimension

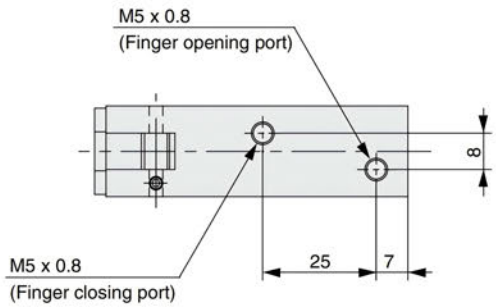
MHY2-16D



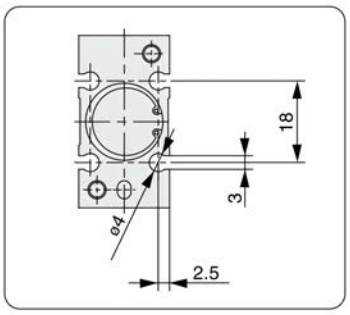
Pin hole positioning





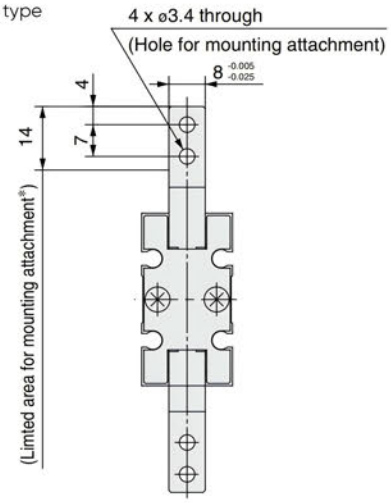


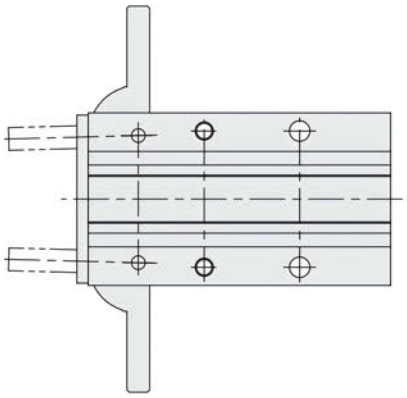
Auto Switch Mounting Groove Dimensions



MHY2-16D2

Opening/Closing directionthrough-hole type





* Do not extend the attachment from limited area for mounting toavoid interference with the attachment or main body.

Return Catalog

VHY2 Series

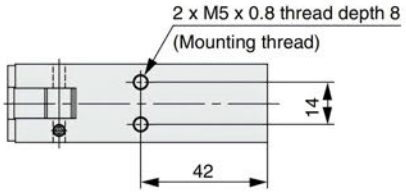
Air Gripper(Angle Openand Close Type)

VILOP PNEUMATIC CO.,LTD

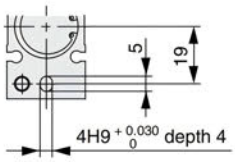
Cylinder series/Gas source series/Valve series/Other series

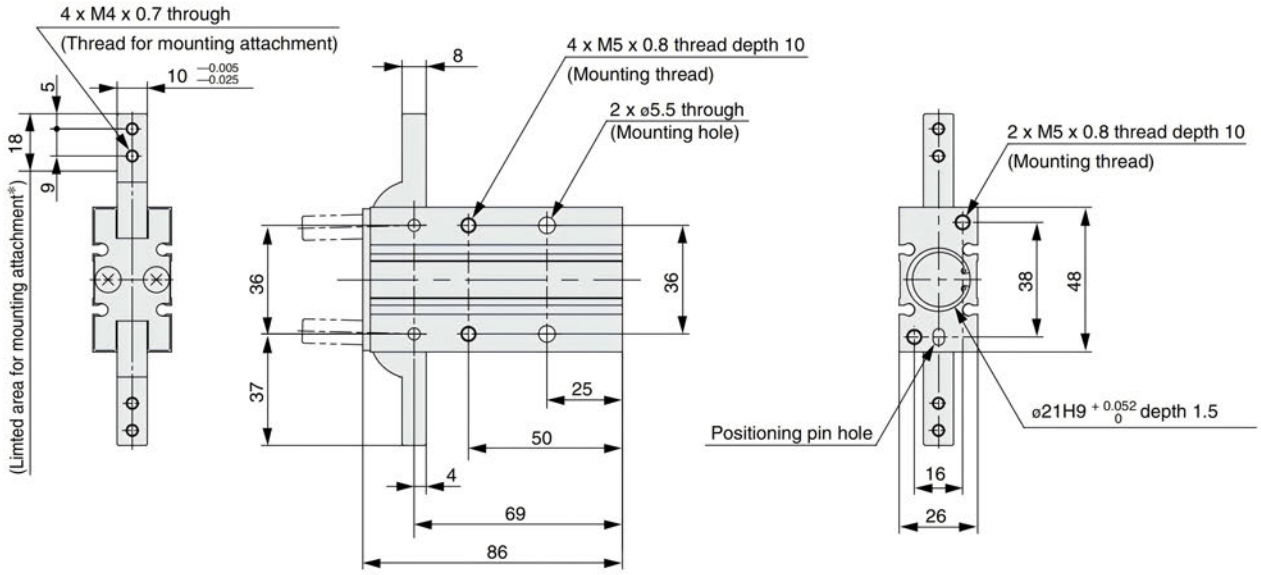
Overall Dimension

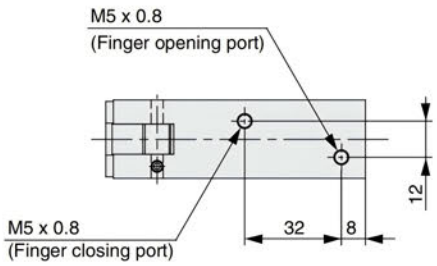
MHY2-20D



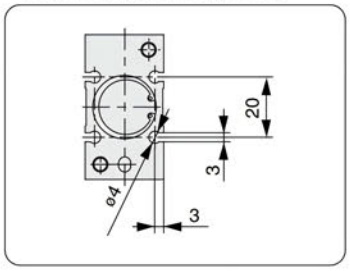
Pin hole positioning





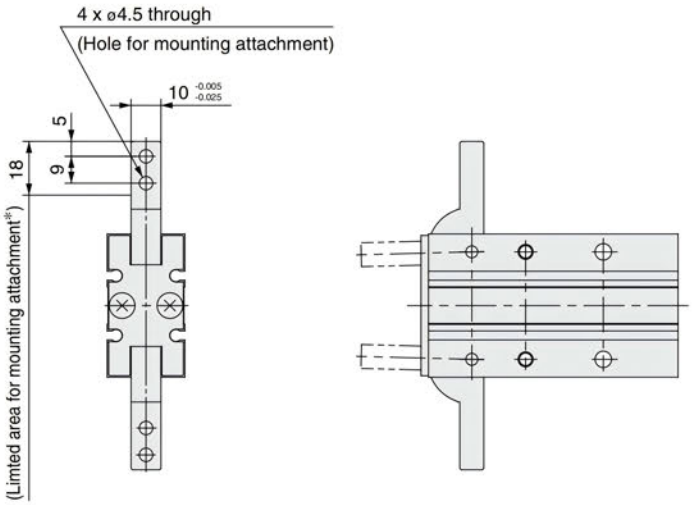


Auto Switch Mounting Groove Dimensions



MHY2-20D2

Opening/Closing directionthrough-hole type



* Do not extend the attachment from limited area for mounting toavoid interference with the attachment or main body.

Return Catalog

VHY2 Series

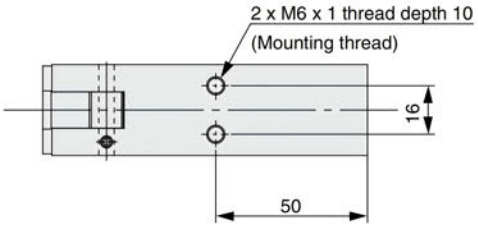
Air Gripper(Angle Openand Close Type)

VILOP PNEUMATIC CO.,LTD

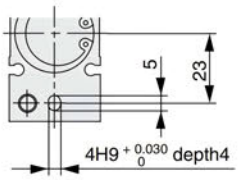
Cylinder series/Gas source series/Valve series/Other series

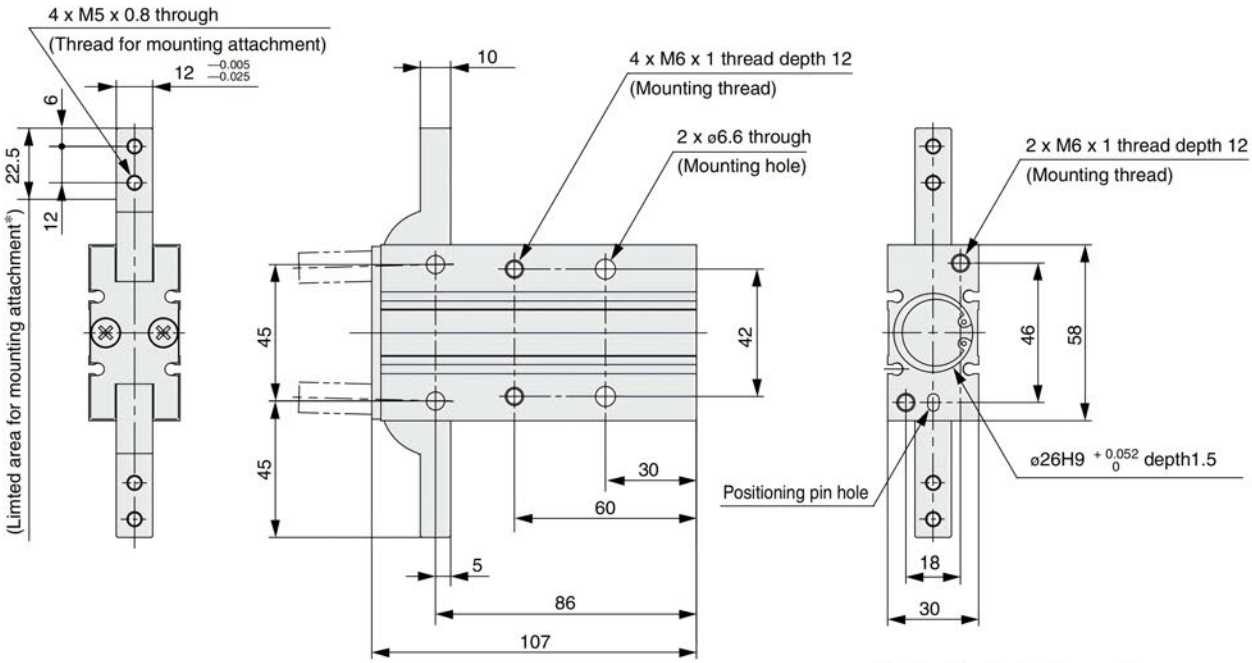
Overall Dimension

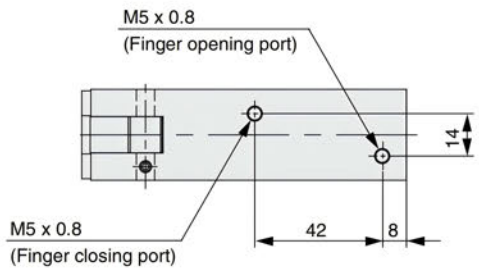
MHY2-25D



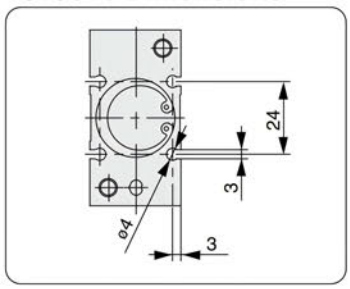
Pin hole positioning





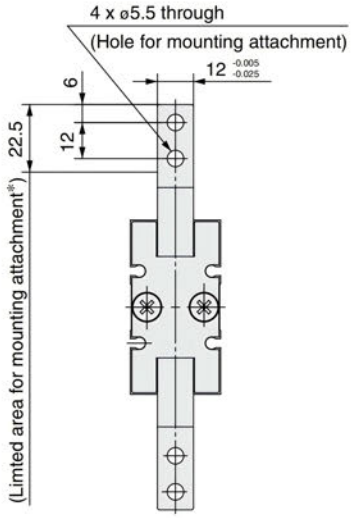


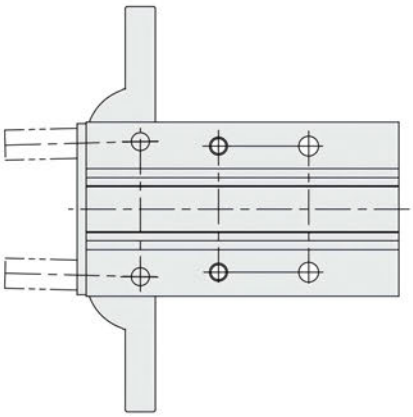
Auto Switch Mounting Groove Dimensions



MHY2-25D2

Opening/Closing directionthrough-hole type





* Do not extend the attachment from limited area for mounting toavoid interference with the attachment or main body.

Return Catalog

VHZ2 Series

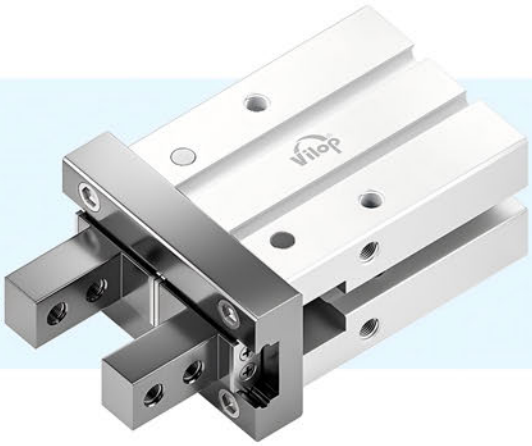
Air Gripper(Paralle Type)

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Features

- Linear guide with integrated design, high rigidity, highprecision.
- A positioning dowel pin hole is arranged at the bottomof the guide rail to prevent the guide rail deviating fromthe cylinder block.
- Cylinder block has multiple dowel pin hole, which make highinstallation positioning accuracy.
- The initial position of the gripper can be selected accordingto the actual situation of customers to meet different workingconditions.

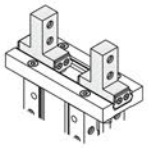
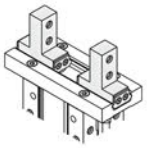
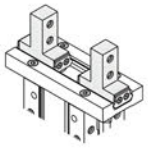
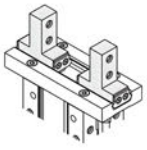
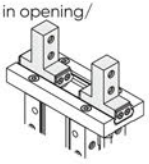
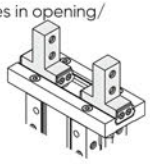
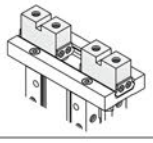


Specification

Bore Size(mm)		6	10	16	20	25	32	40
Working Medium		Air						
Operating Pressure Range	Double Acting	0.15~0.7MPa	0.2~0.7MPa	0.1~0.7MPa			0.1~0.7MPa	
Ambient And Fluid Temperature		-10-60°C(with no condensation)						
Repeatability		±0.01mm					±0.02mm	
Max. Operating Frequency(c.p.m)		180					60	
Lubrication		No need						
Operation		Double acting / Single acting						
Sensor Model		JEL-07						
Piping Size		M3×0.5		M5×0.8				

Ordering Code

VHZ□2	16	D	□
①	②	③	④

① Option		② Bore Size		③ Operation		④ Finger Option	
Nil	Standard Type	6	6 mm	D	Double acting	[Standard] Nil: Basic type 	[Narrow type] Basic type 
		10	10 mm				
		16	16 mm	S	Single acting (Normally open)	1: Side tapped mounting 	N1: Side tapped mounting 
L	Long Stroke	20	20 mm				
		25	25 mm			2: Through-holes in opening/ closing direction 	N2: Through-holes in opening/ closing direction 
		32	32 mm				
		40	40 mm	C	Single acting (Normally close)	3: Flat type fingers Flat fingers do not have standard or narrow options. When VHQG2/VHQ2 compatible models are required, please consult customer service. 	

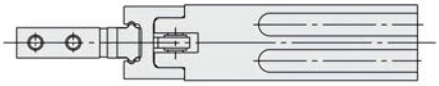
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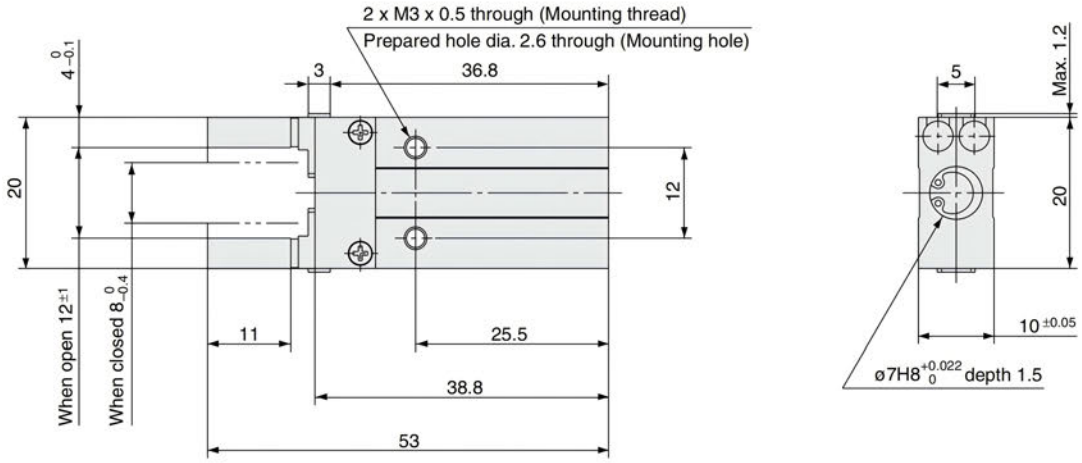
Overall Dimension

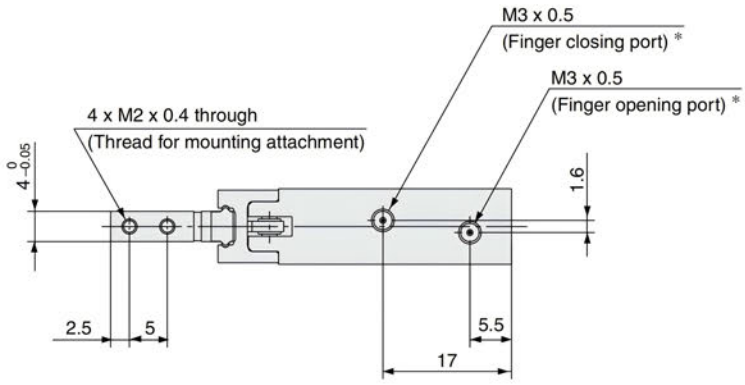
MHZ2-6☐ Double acting/Single acting

Use the VHZJ2 series with a dust cover when used in a place where there may be dust.

Basic Type

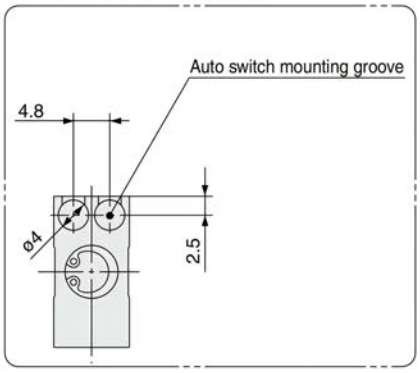






* For single action, the port on one side is a breathing hole.

Auto Switch Mounting Groove Dimensions



VHZ2 Series
Air Gripper(Paralle Type)

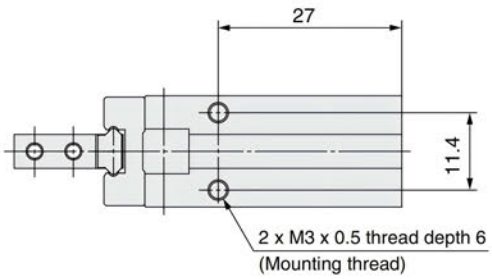
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

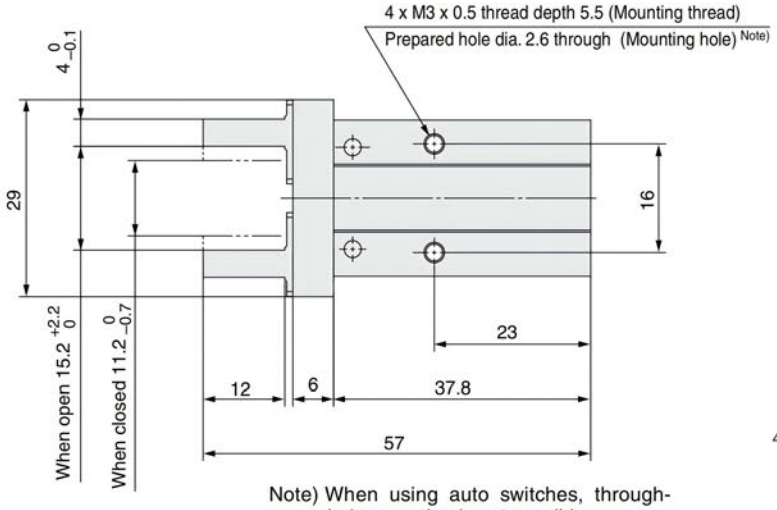
Overall Dimension

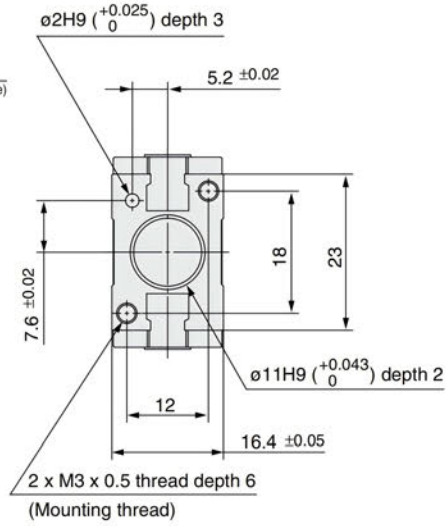
MHZ2-10☐ Double acting/Single acting

Use the VHZJ2 series with a dust cover when used in a place where there may be dust.

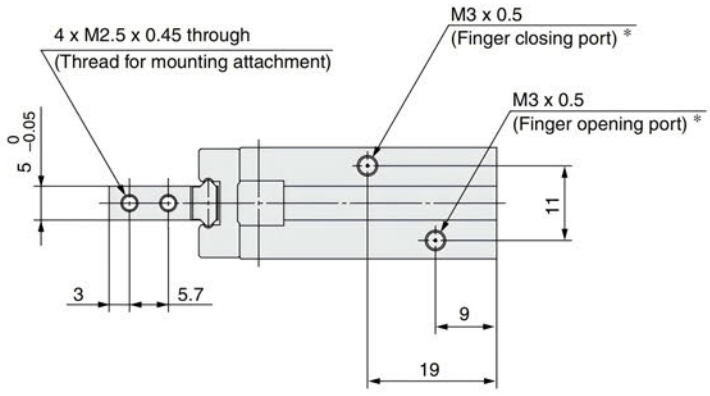
Basic Type





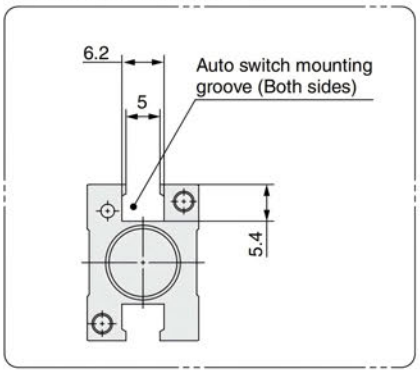


Note) When using auto switches, through-hole mounting is not possible.



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

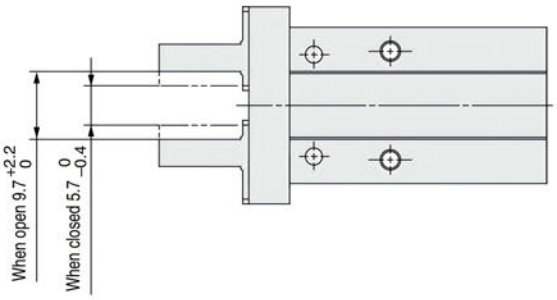
Auto Switch Mounting Groove Dimensions



Note) When using auto switches, through-hole mounting is not possible.

Finger Position/Narrow Type

MHZ2-10☐N



Return Catalog

VHZ2 Series
Air Gripper(Paralle Type)

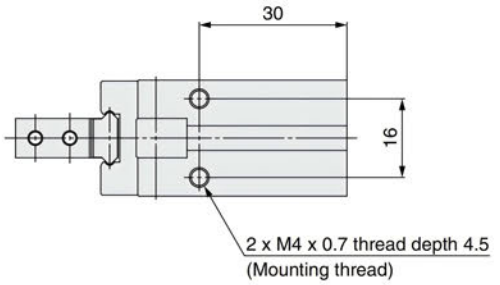
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

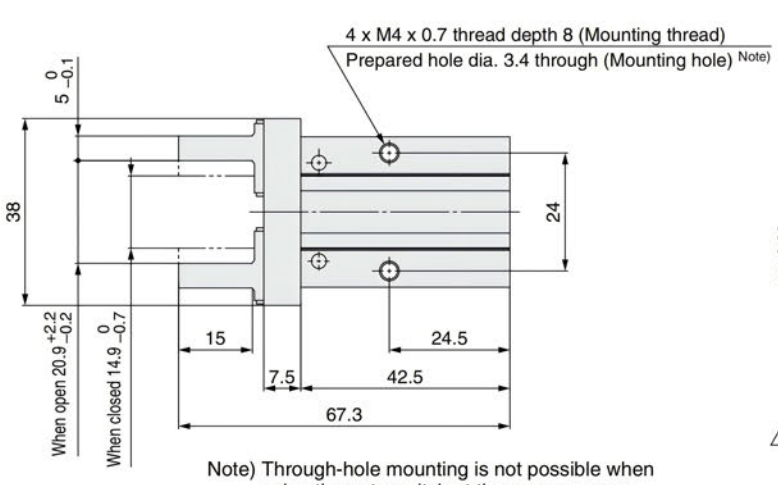
Overall Dimension

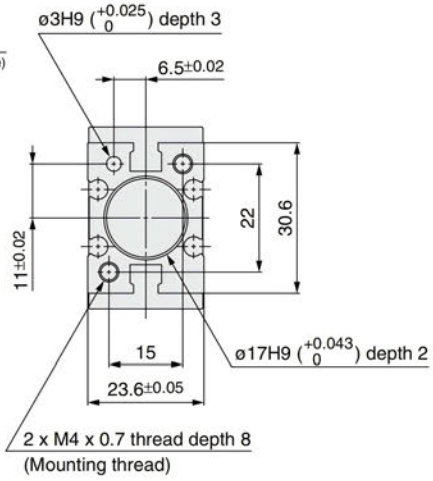
MHZ2-16☐ Double acting/Single acting

Use the VHZJ2 series with a dust cover when used in a place where there may be dust.

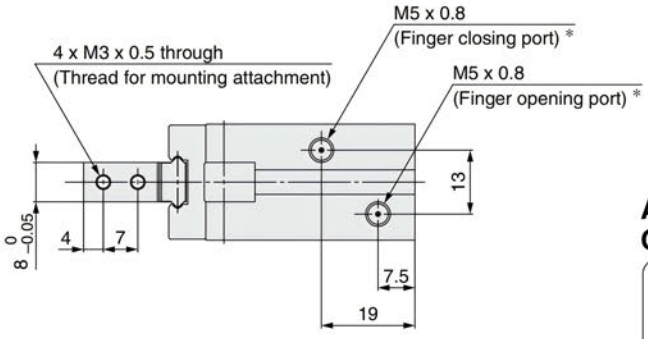
Basic Type





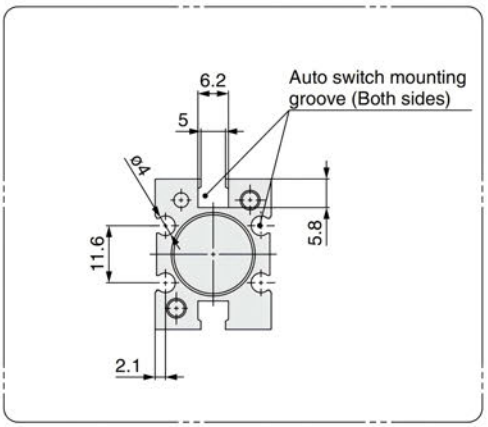


Note) Through-hole mounting is not possible when using the auto switch at the square groove.



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

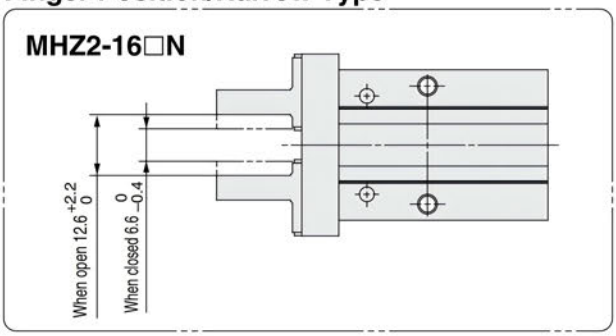
Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Finger Position/Narrow Type

MHZ2-16☐N



Return Catalog

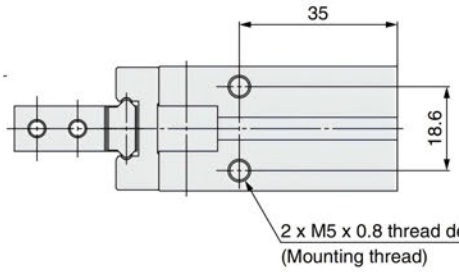
VHZ2 Series
Air Gripper(Paralle Type)

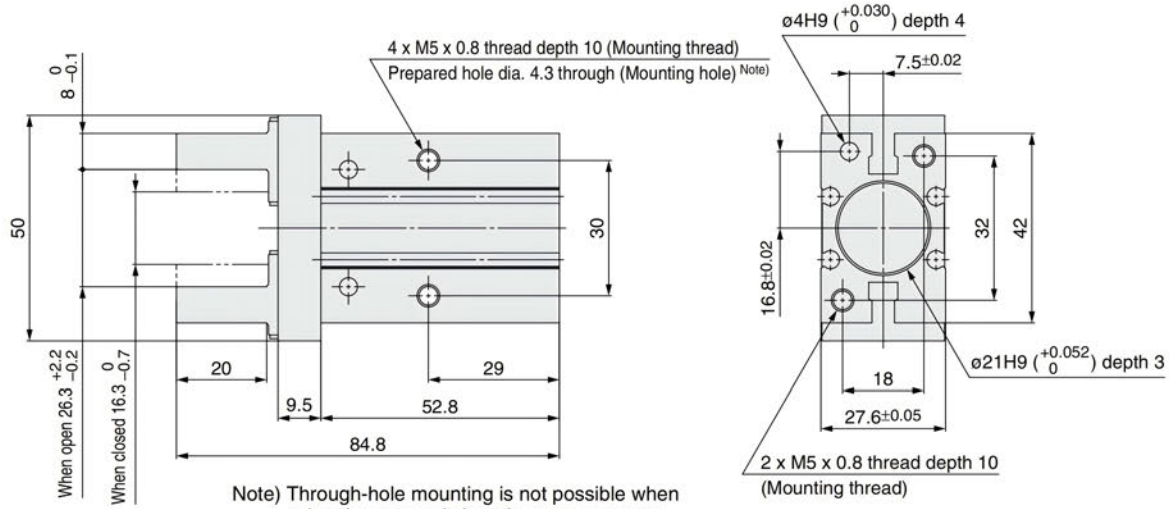
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

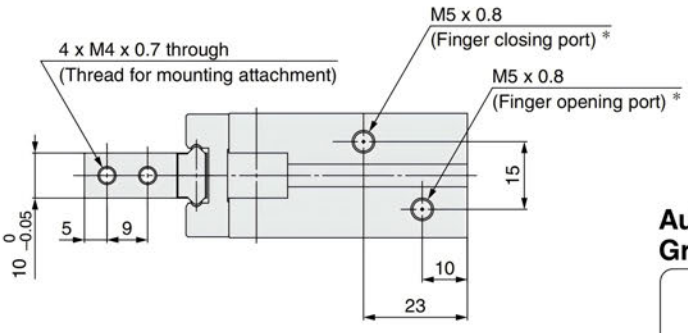
MHZ2-20□ Double acting/Single acting Use the VHZJ2 series with a dust cover when used in a place where there may be dust.

Basic Type



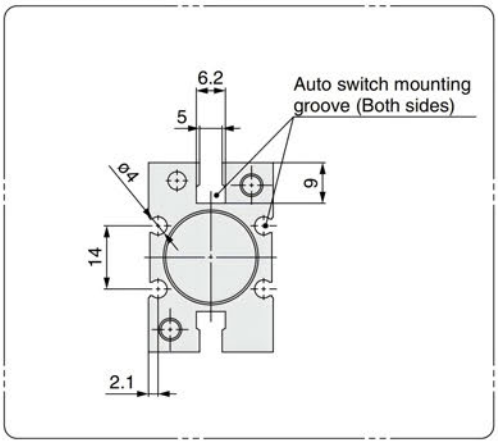


Note) Through-hole mounting is not possible when using the auto switch at the square groove.



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

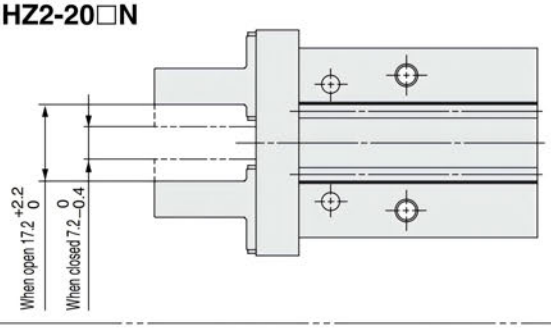
Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Finger Position/Narrow Type

MHZ2-20□N



Return Catalog

VHZ2 Series
Air Gripper(Paralle Type)

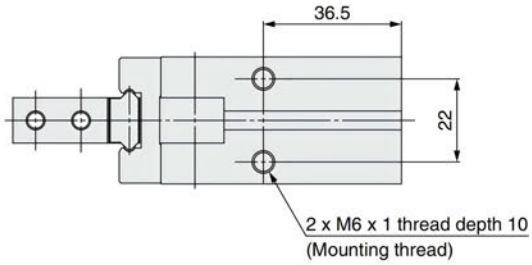
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

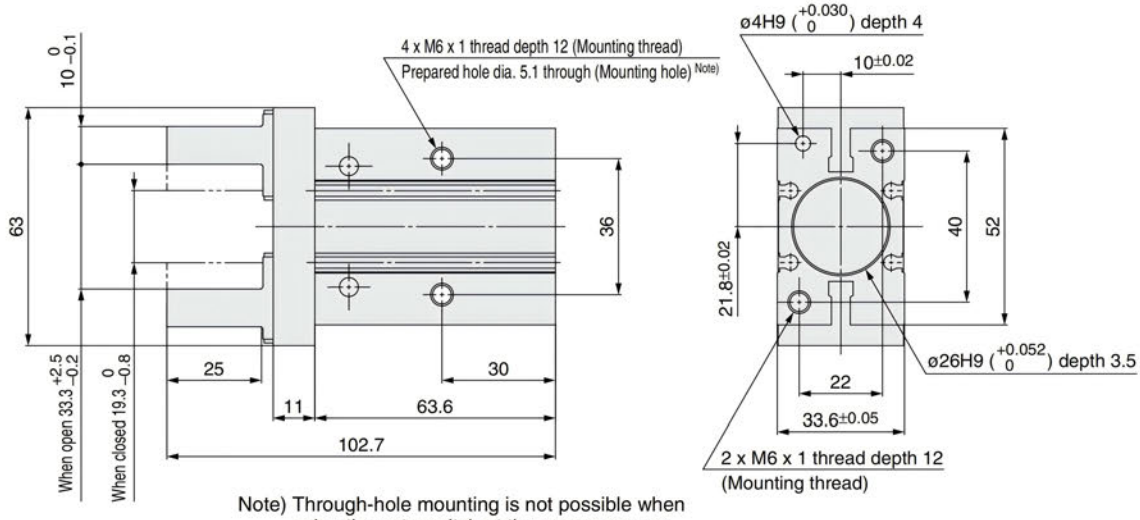
Overall Dimension

MHZ2-25☐ Double acting/Single acting

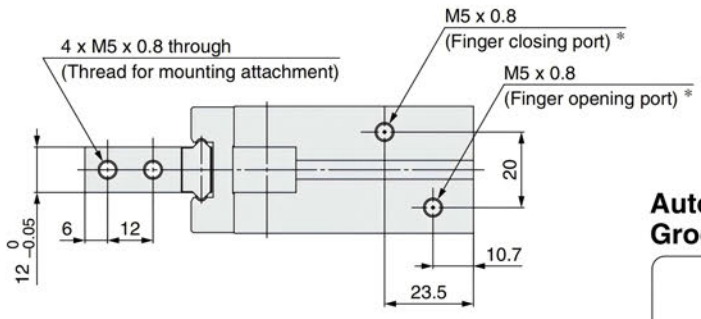
Use the VHZJ2 series with a dust cover when used in a place where there may be dust.

Basic Type



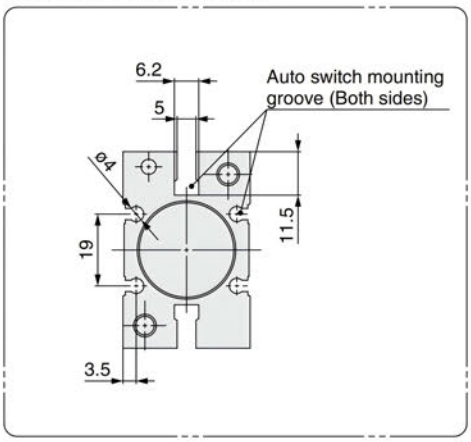


Note) Through-hole mounting is not possible when using the auto switch at the square groove.



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

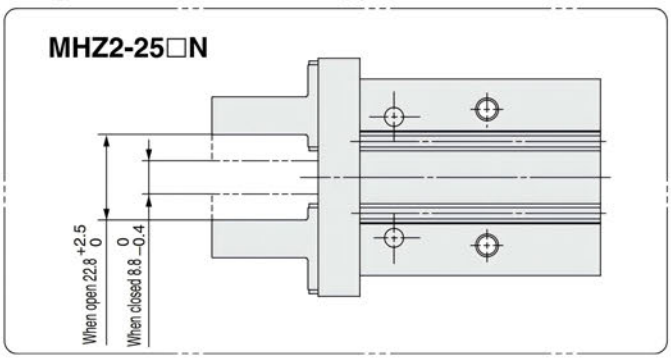
Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Finger Position/Narrow Type

MHZ2-25☐N

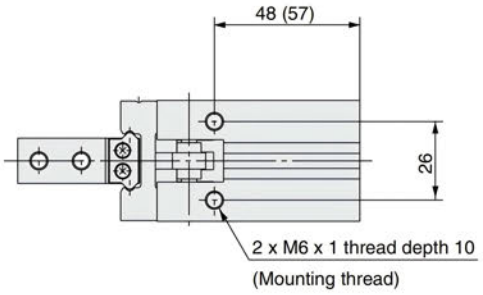


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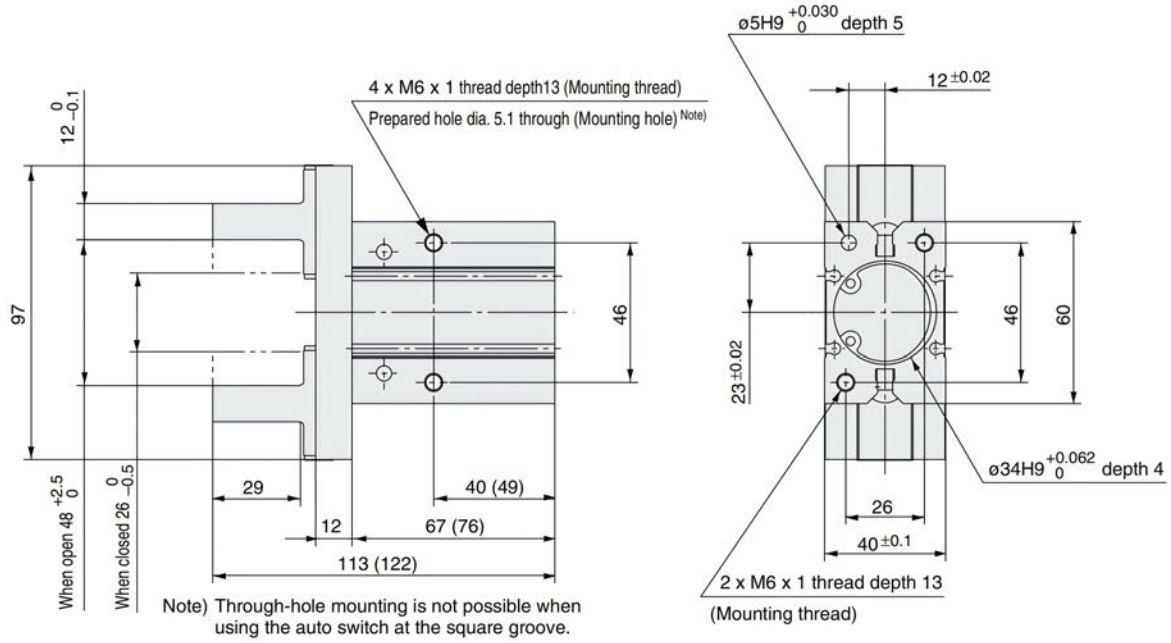
Overall Dimension

MHZ2-32☐ Double acting/Single acting

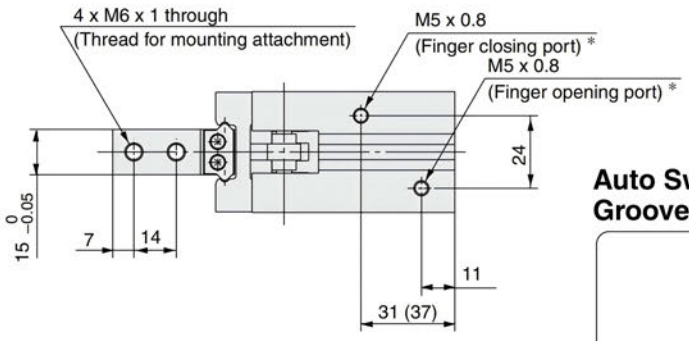
Basic Type



The values inside ( ) are dimensions for the single acting type.

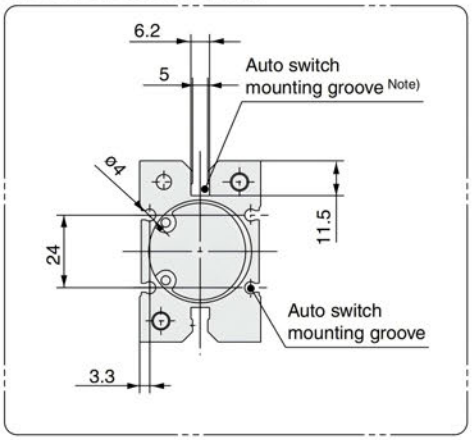


Note) Through-hole mounting is not possible when using the auto switch at the square groove.



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

Auto Switch Mounting Groove Dimensions



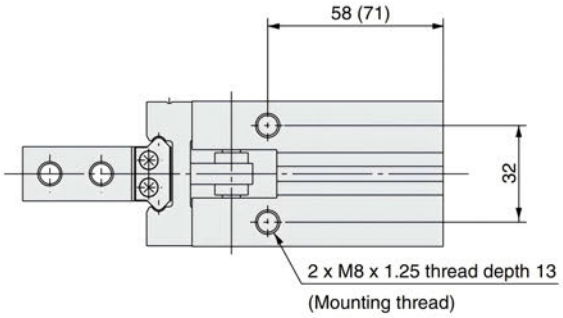
Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

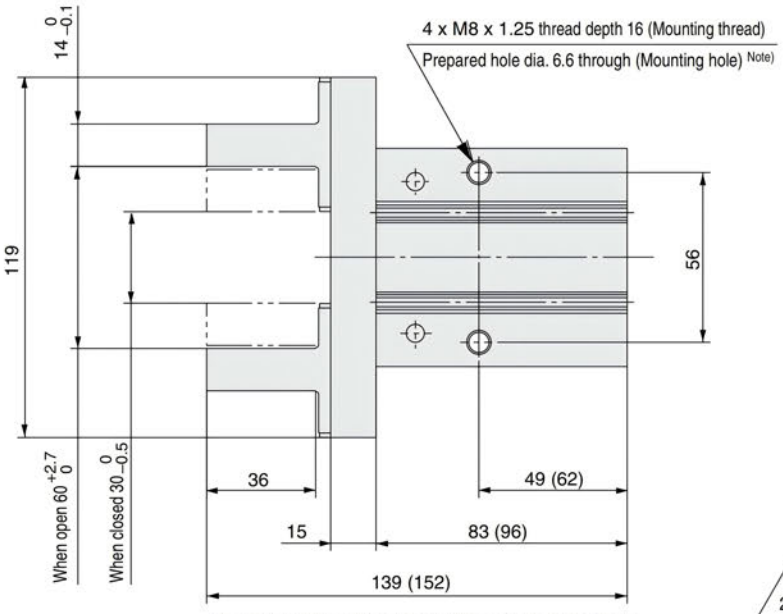
Overall Dimension

MHZ2-40☐ Double acting/Single acting

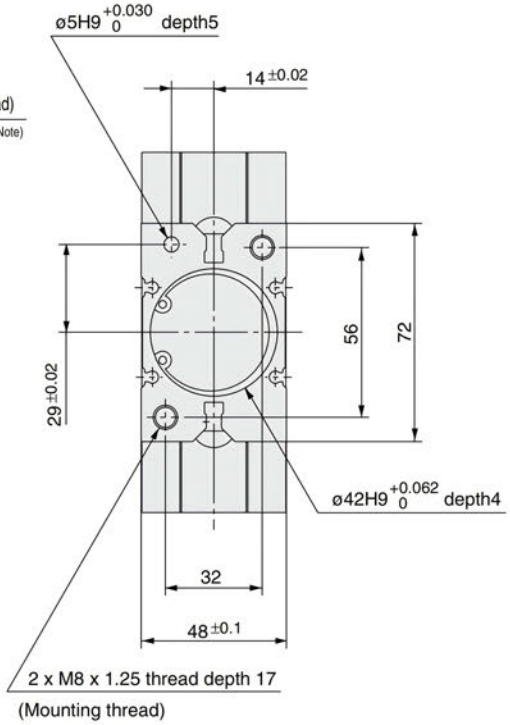
Basic Type

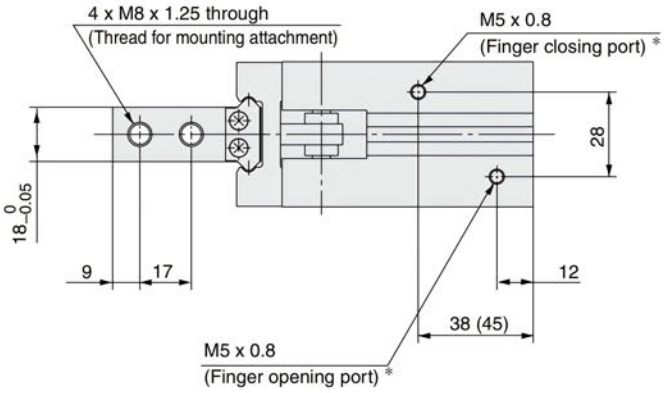


The values inside ( ) are dimensions for the single acting type.



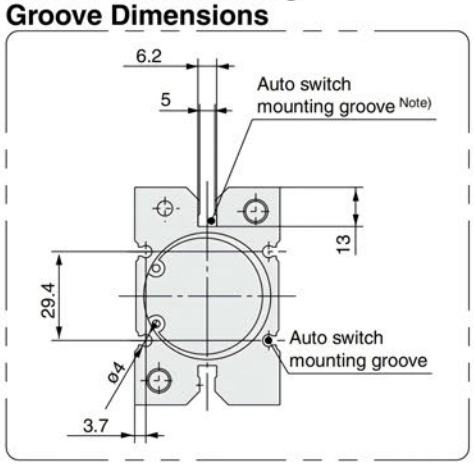
Note) Through-hole mounting is not possible when using the auto switch at the square groove.





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

Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

VHZ2 Series
Air Gripper(Paralle Type)

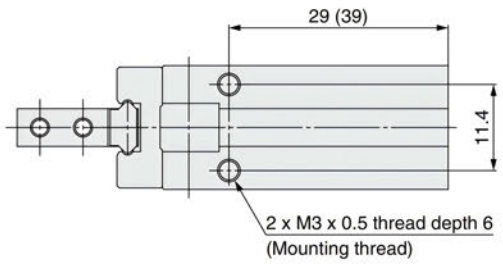
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

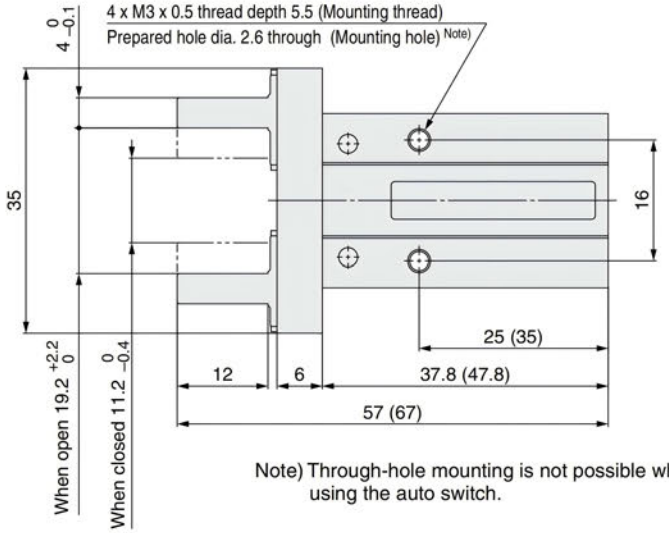
Overall Dimension

VHZL2-10☐ Double acting/Single acting

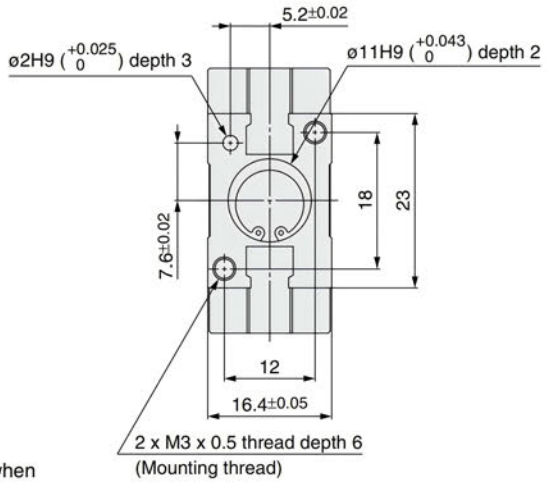
Basic Type

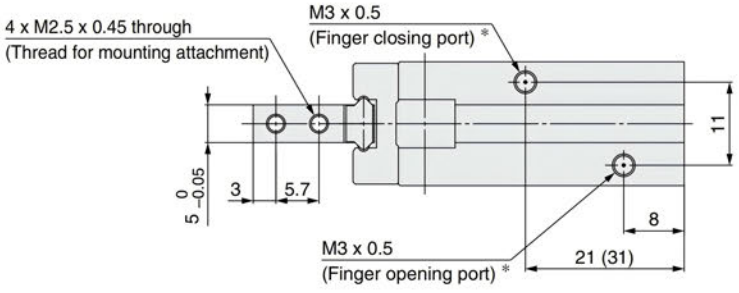
The values inside ( ) are dimensions for the single acting type.





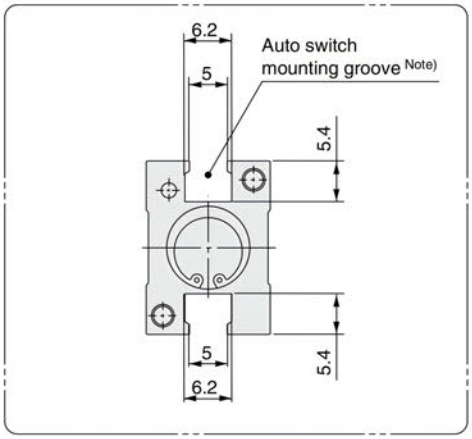
Note) Through-hole mounting is not possible when using the auto switch.





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

Auto Switch Mounting Groove Dimensions



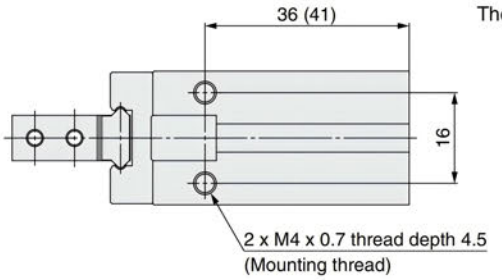
Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

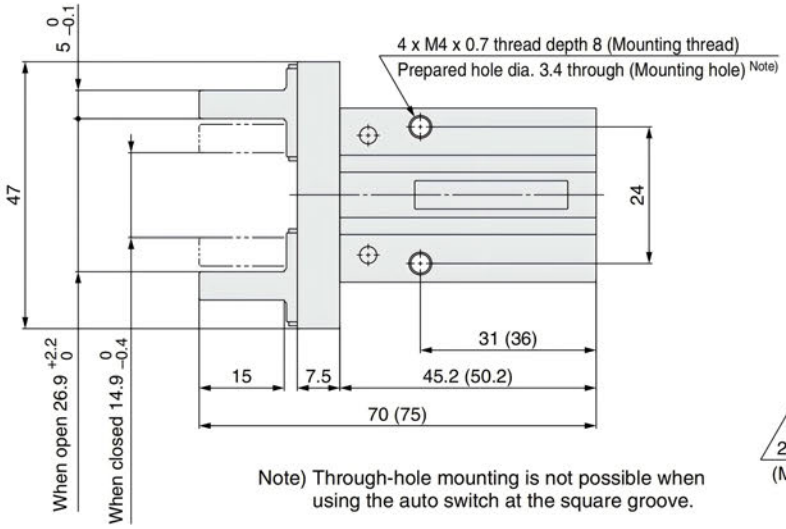
Overall Dimension

VHZL2-16☐ Double acting/Single acting

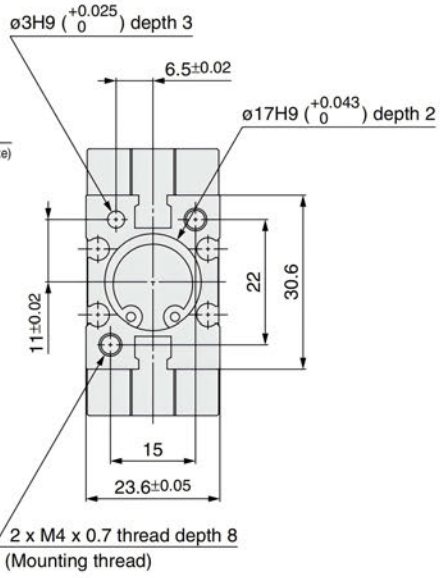
Basic Type

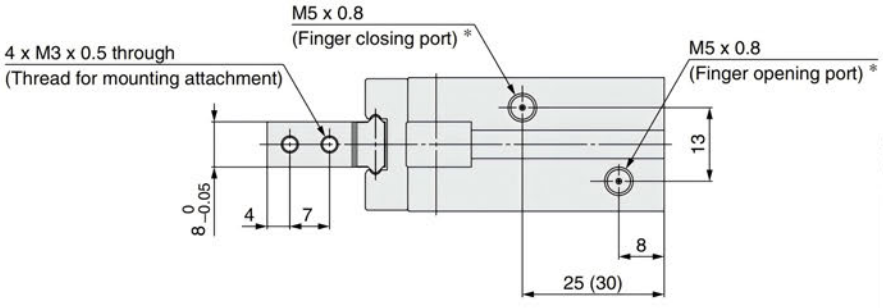


The values inside ( ) are dimensions for the single acting type.



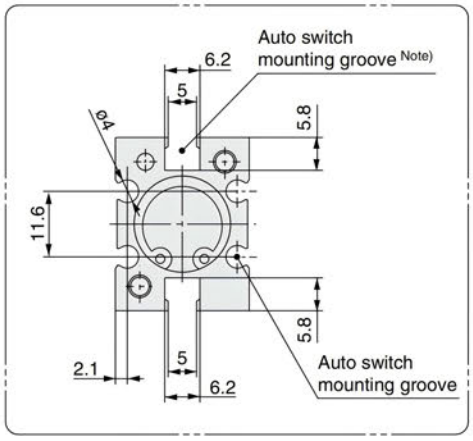
Note) Through-hole mounting is not possible when using the auto switch at the square groove.





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

Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

VHZ2 Series
Air Gripper(Paralle Type)

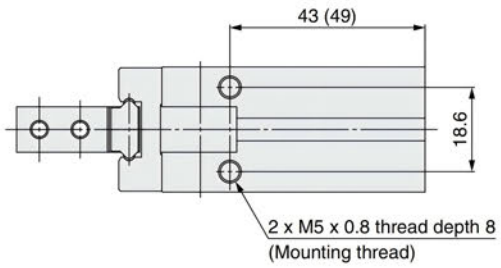
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

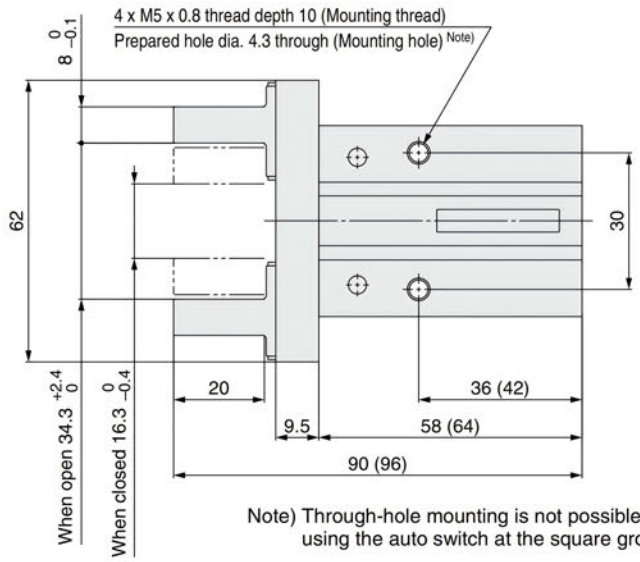
Overall Dimension

VHZL2-20☐ Double acting/Single acting

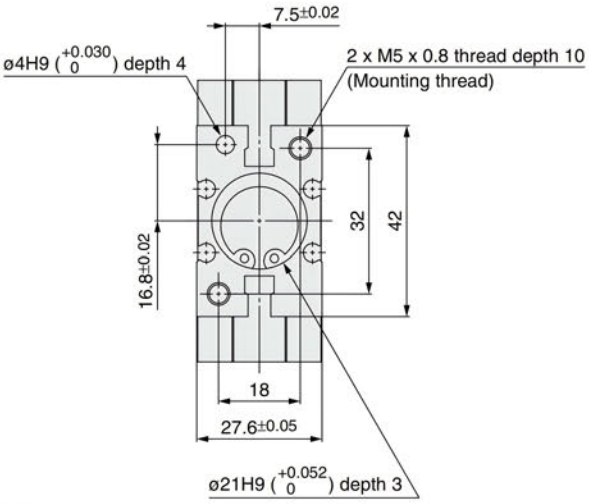
Basic Type

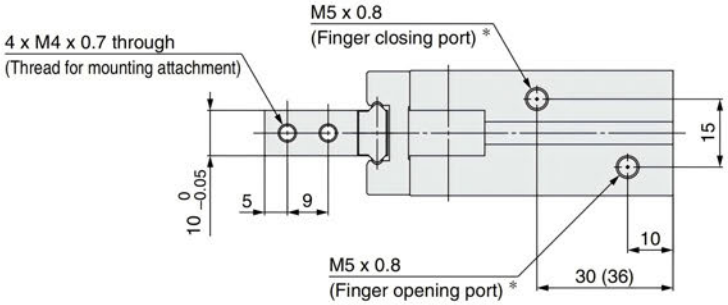
The values inside ( ) are dimensions for the single acting type.





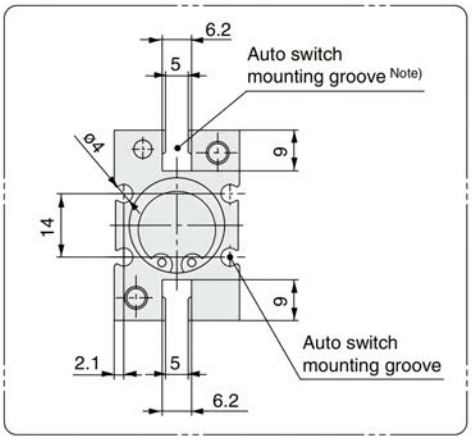
Note) Through-hole mounting is not possible when using the auto switch at the square groove.





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

Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

VHZ2 Series
Air Gripper(Paralle Type)

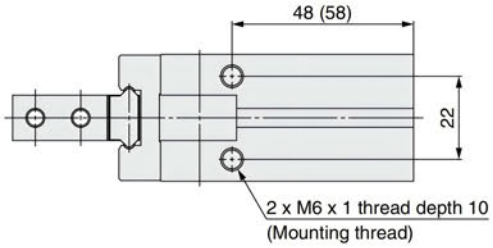
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

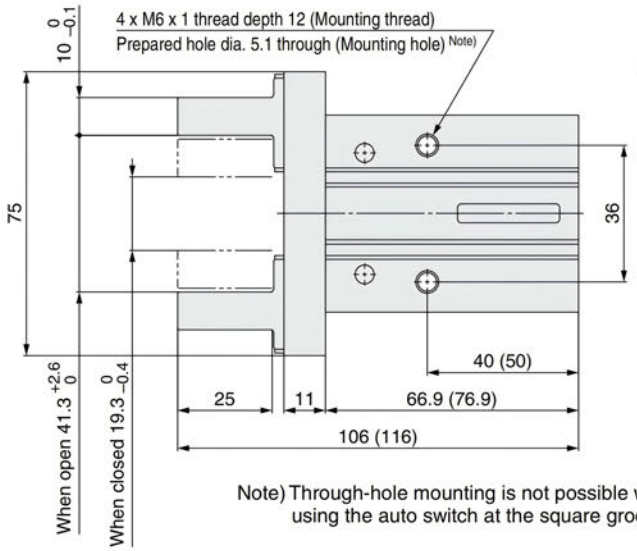
Overall Dimension

VHZL2-25□ Double acting/Single acting

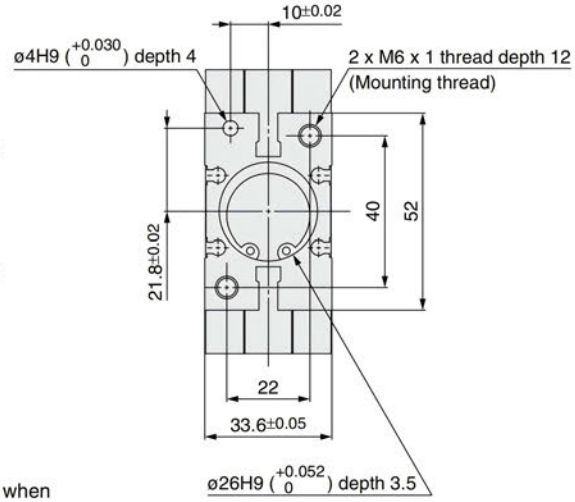
Basic Type

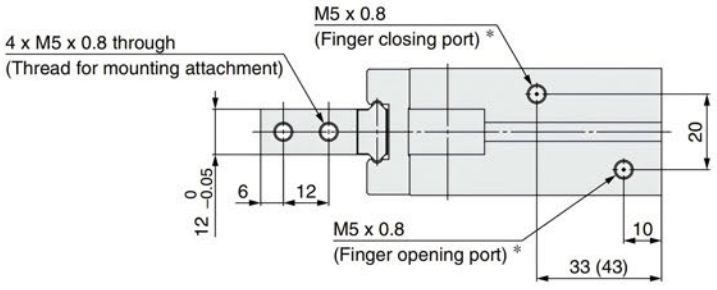
The values inside ( ) are dimensions for the single acting type.





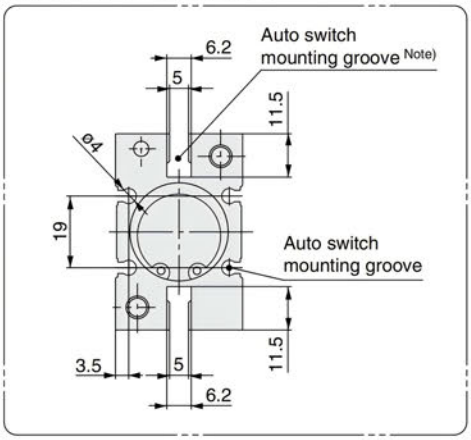
Note) Through-hole mounting is not possible when using the auto switch at the square groove.





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

Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

Return Catalog

VHF2 Series

Compact Air Gripper

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Specification

Bore Size (mm)			8	12	16	20	25
Operation			Double Acting				
Working Medium			Air				
Operating Pressure Range(Mpa)			0.15~0.7	0.1~0.7			
Ambient And Fluid Temperature			-10~60°C(with no condensation)				
Repeatability(mm)			±0.05*				
Max,Operating Frequency(c.p.m)			Short stroke、Medium stroke:120 Long stroke:60				
Sensor Model	Contactless	2-Wire	JEL-07D				
		3-Wire NPN	JEL-07N				

*[Note] When cylinder side mount and not full stroken used,the minmun operating pressure can't be less than 0.4 Mpa.

Ordering Code

VHF2	12	D	□	□
①	②	③	④	⑤

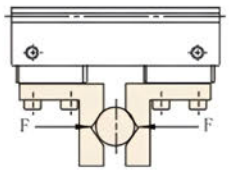
① 2 claws	② Bore Size	③ Double Acting	④ Stroke		⑤ Boby Option	
2 claws	Bore Size	Double Acting	Nil	Short stroke	Boby option	
			1	Medium stroke	Nil	Axial piping type
			2	Long stroke	R	Side piping type

Operatlon	Model	Bore Size	Gripping Force	Opening/Closing	Weight	Unobstructe Capacity (cm^3)	
			Effective Gripping Force Per Finger	Stroke (Both Sides) (mm)		Finger Open Side	Finger Close Side
Difunctional	VHF2-8D	8	19	8	65	0.7	0.6
	VHF2-8D1			16	85	1.1	1.0
	VHF2-8D2			32	120	2.0	1.9
	VHF2-12D	12	48	12	155	1.9	1.6
	VHF2-12D1			24	190	3.3	3.0
	VHF2-12D2			48	275	6.1	5.8
	VHF2-16D	16	90	16	350	4.9	4.1
	VHF2-16D1			32	445	8.2	7.4
	VHF2-16D2			64	650	14.9	14.0
	VHF2-20D	20	20	20	645	8.47	7.3
	VHF2-20D1			40	850	15.1	13.7
	VHF2-20D2			80	1225	28.0	26.6
	VHF2-25D	25	236	60	1650	30.0	27.3

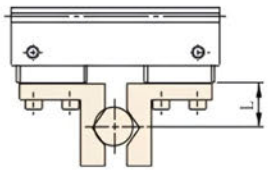
*[Note] At the pressure of 0.5MPawhen gripping point L is 20mm.

Effective Gripping Force

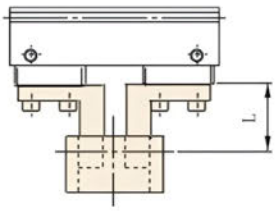
Express effective gripping force



External grip



Ineternal grip



Return Catalog

VHF2 Series

Compact Air Gripper

VILOP PNEUMATIC CO.,LTD

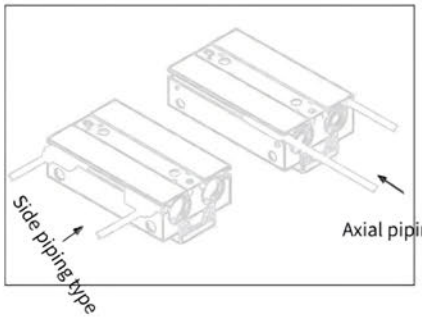
Cylinder series/Gas source series/Valve series/Other series

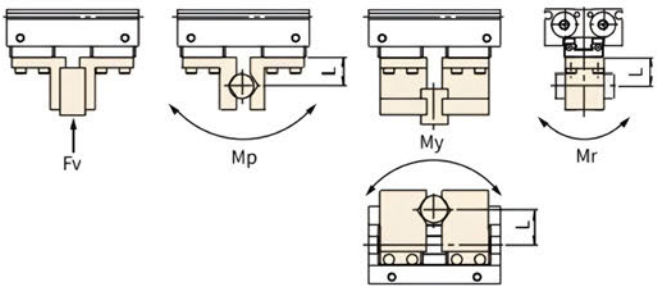
Specification / Model Bore

Model	Bore Size (mm)	Operaton	Fuild	Operating Pressure RangeMpa (MPa)	Ambient And Fluid Temperature (°C)	Repeatability (mm)	Max.Operating Frequency (c.p.m)	Gripping Force (N)	Opening/ Closing Stroke (mm)	Sensor Model
VHF-8D	8	Double Acting	Air	0.15~0.7	-10~60 (with no condensation)	±0.05	120	19	8	Jel-07d
VHF-8D1							120		16	
VHF-8D2							60		32	
VHF-12D	12			0.1~0.7			120	48	12	
VHF-12D1							120		24	
VHF-12D2							60		48	
VHF-16D	16						120	90	16	
VHF-16D1							120		32	
VHF-16D2							60		64	
VHF-20D	20						120	141	20	
VHF-20D1							120		40	
VHF-20D2							60		80	
VHF-25D	25						120	236	60	

[Note] At the pressure of 0.5MPa when gripping point L is 10mm.

Centralized wiring and pipingare possible





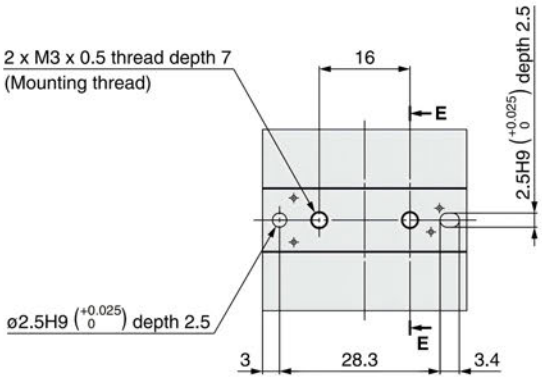
Return Catalog

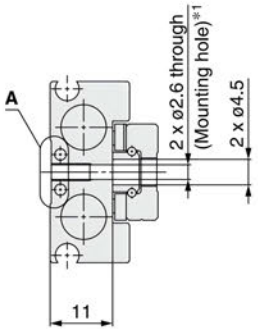
VHF2 Series
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

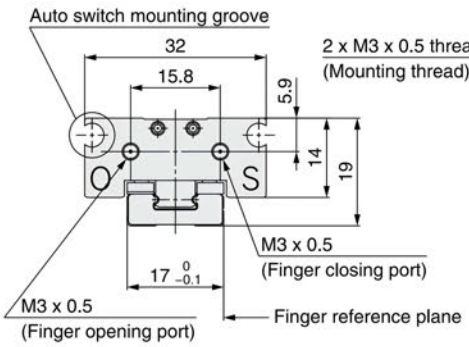
VHF2-8D

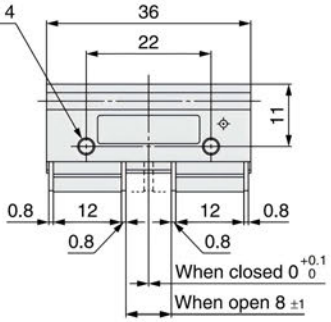


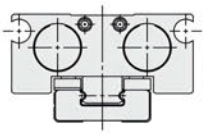


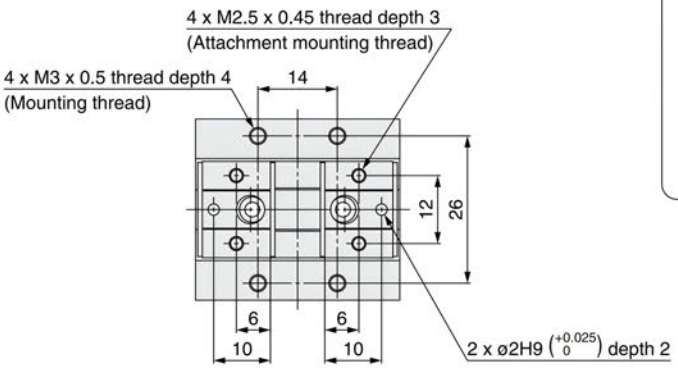
E-E

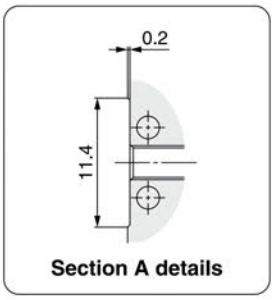
*1 Use the attached hexagon socket head cap screws for mounting holes.



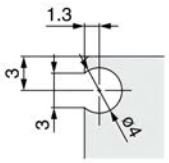




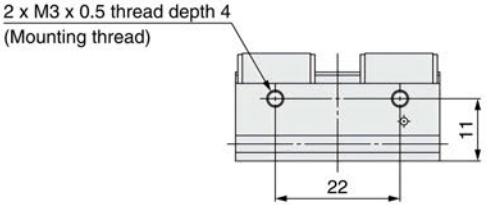


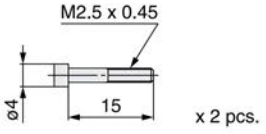


Section A details



Dimensions of auto switch mounting groove





Accessory:
Hexagon socket head cap screw
(Special screw)

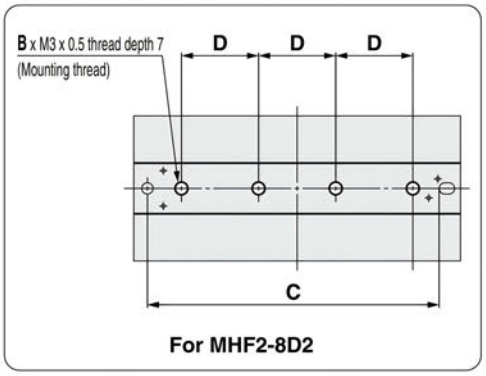
Return Catalog

VHF2 Series
Compact Air Gripper

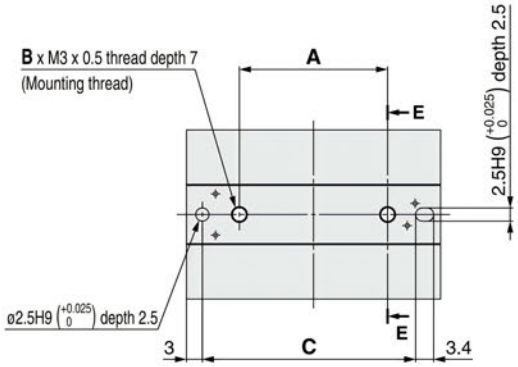
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

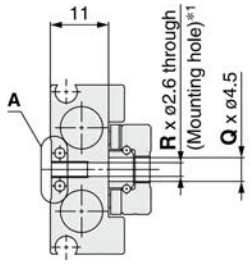
Overall Dimension

VHF2-8D1 / 8D2



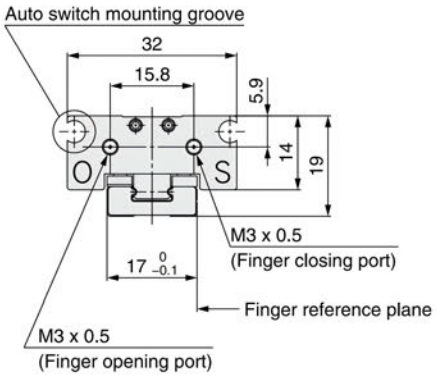
For MHF2-8D2

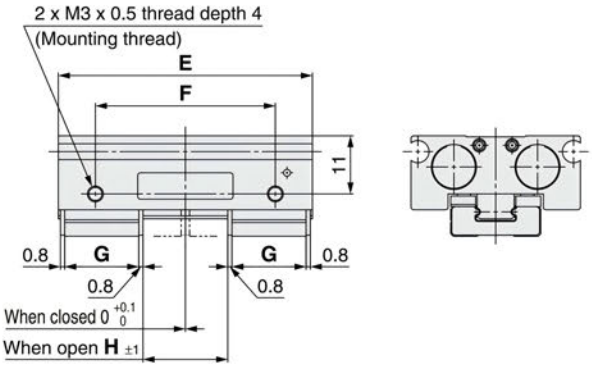


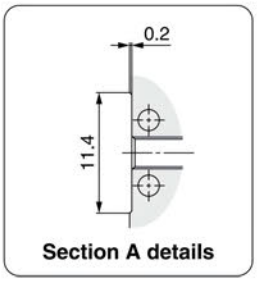


E-E

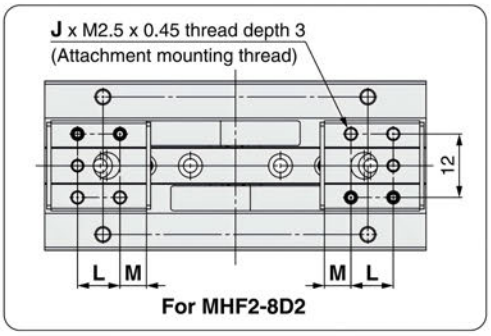
*1 Use the attached hexagon socket head cap screws for mounting holes.



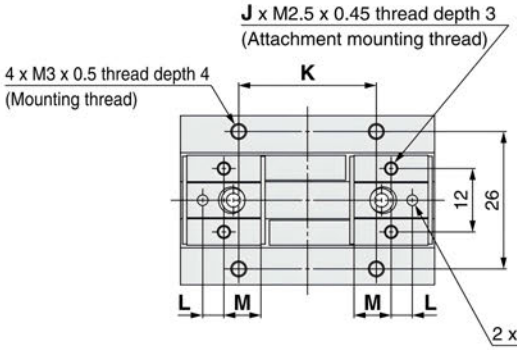


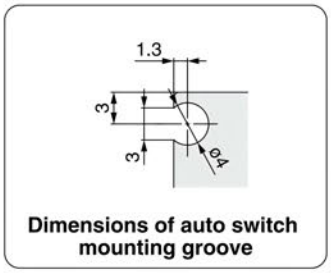


Section A details

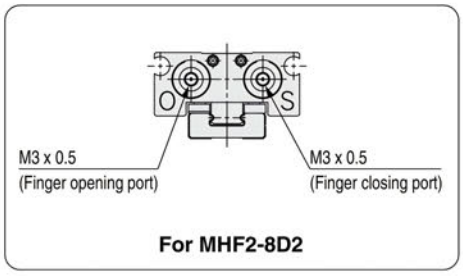


For MHF2-8D2

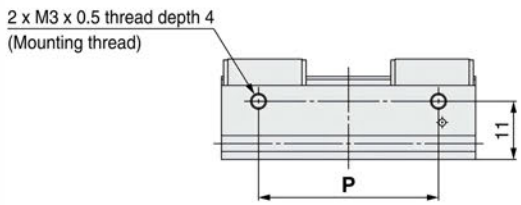


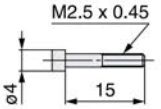


Dimensions of auto switch mounting groove



For MHF2-8D2





Accessory: Hexagon socket head cap screw (Special screw)
(8D1: 2 pcs. included, 8D2: 4 pcs. Included)

Unit: mm

Model	A	B	C	D	E	F	G	H	J	K	L	M	P	Q	R
VHF2-8D	28	2	40.3	-	48	34	14	16	4	26	4	7	34	2	2
VHF2-8D1	-	4	64.3	17	72	58	18	32	8	50	8	5	58	4	4

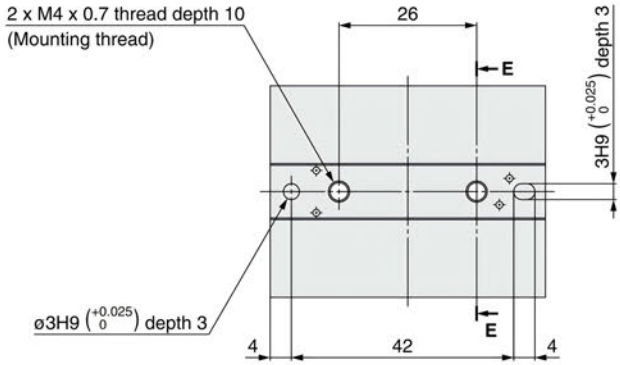
Return Catalog

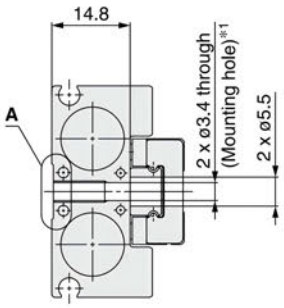
VHF2 Series
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

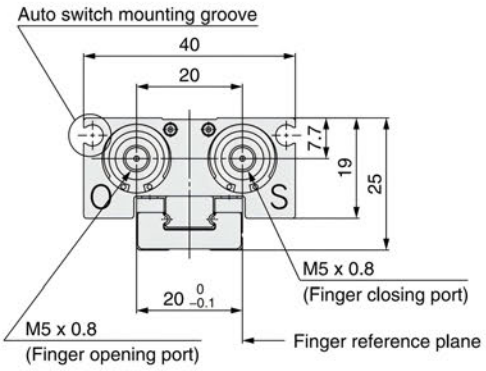
VHF2-12D

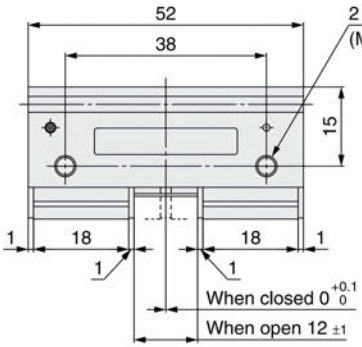


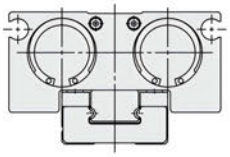


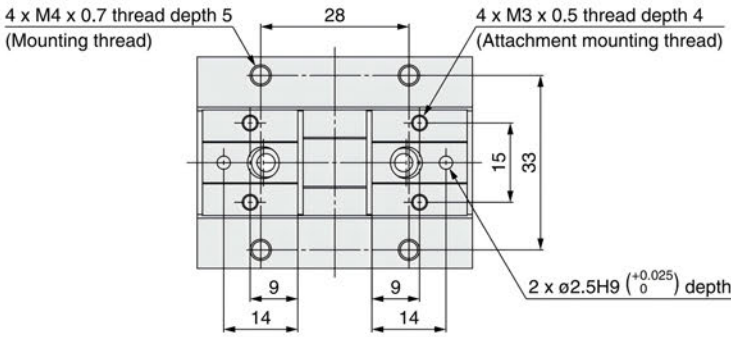
E-E

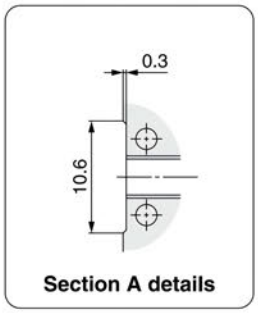
*1 Use the attached hexagon socket head cap screws for mounting holes.



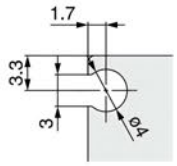




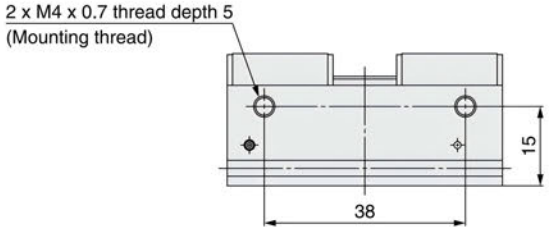


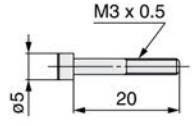


Section A details



Dimensions of auto switch mounting groove





Accessory:
Hexagon socket head cap screw
(Special screw)
(12D: 2 pcs. Included)

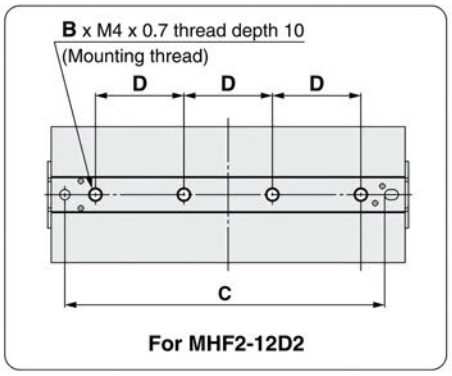
Return Catalog

VHF2 Series
Compact Air Gripper

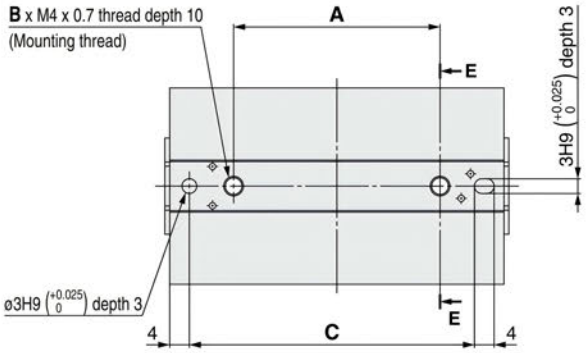
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

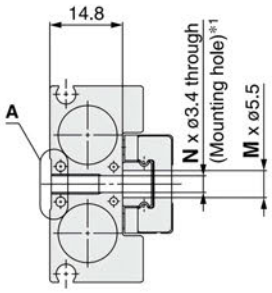
Overall Dimension

VHF2-12D1 / 12D2



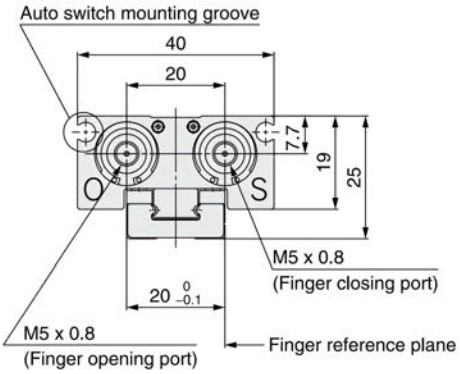
For MHF2-12D2

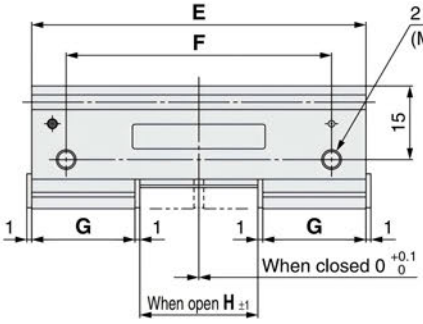


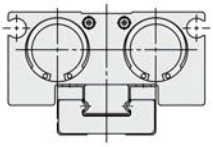


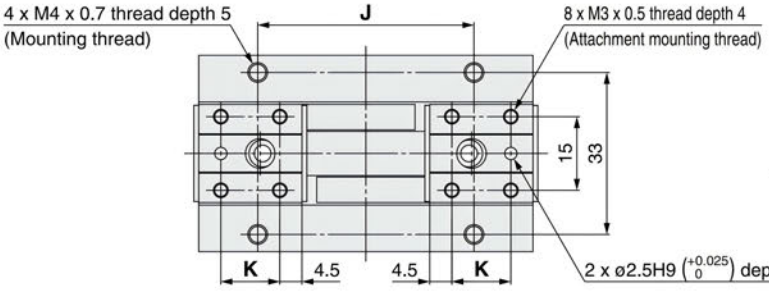
E-E

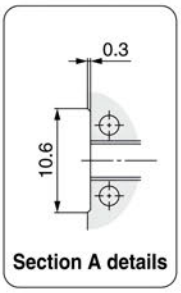
*1 Use the attached hexagon socket head cap screws for mounting holes.



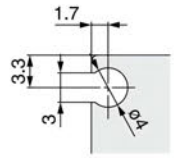




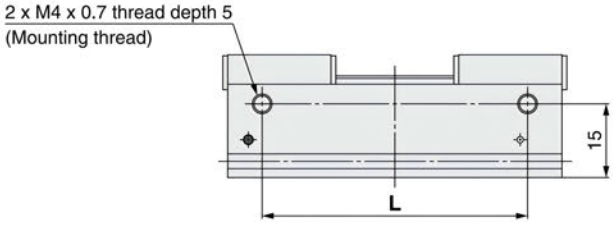


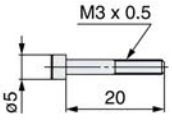


Section A details



Dimensions of auto switch mounting groove





Accessory: Hexagon socket head cap screw (Special screw)
(12D1: 2 pcs. included, 12D2: 4 pcs. included)

Unit: mm

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
VHF2-12D	42	2	58	-	68	54	21	24	44	12	54	2	2
VHF2-12D1	-	4	94	26	104	90	27	48	80	18	90	4	4

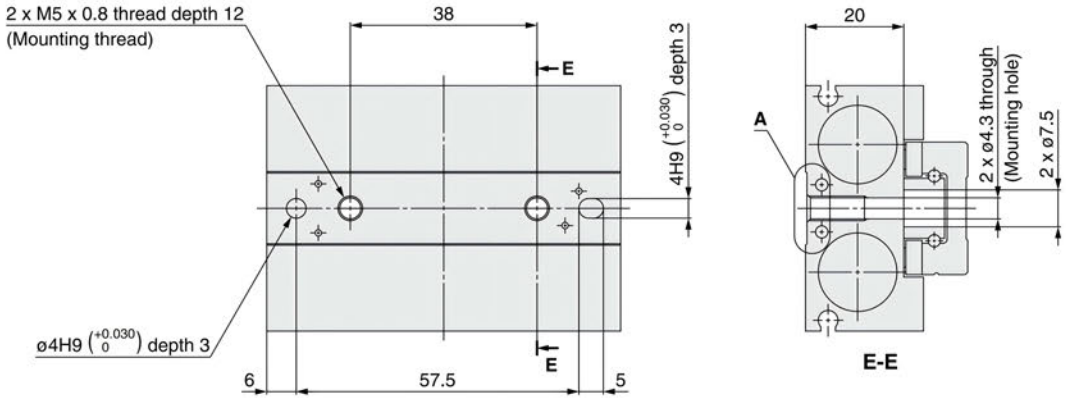
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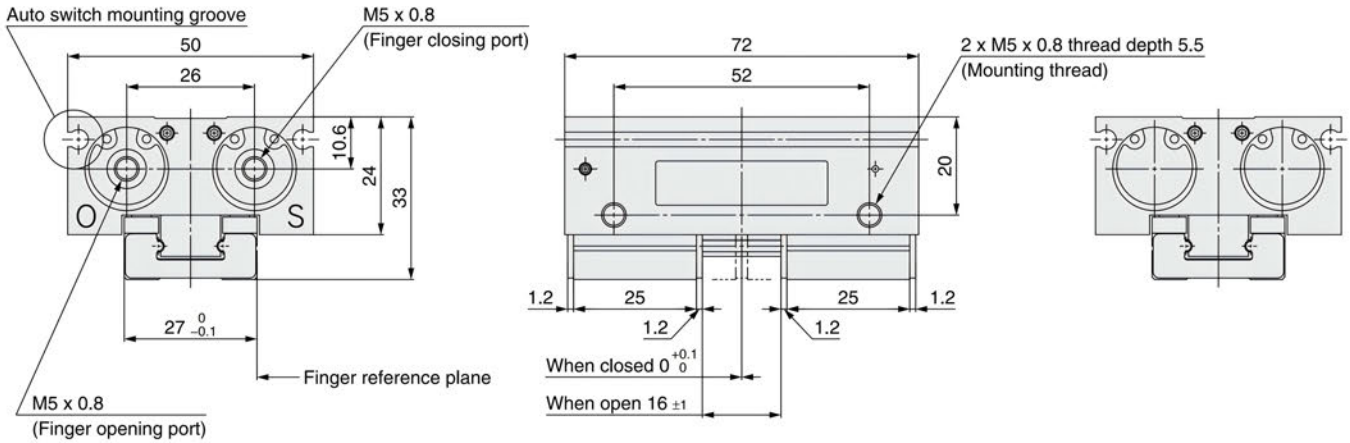
VHF2 Series
Compact Air Gripper

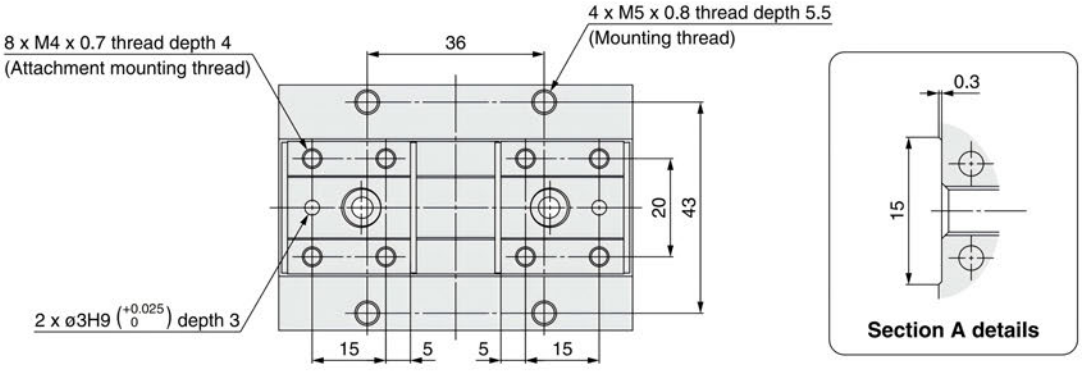
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

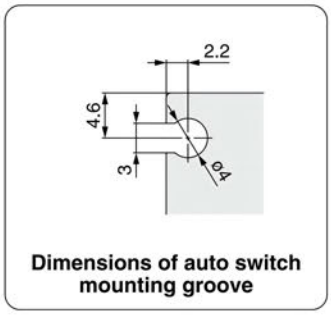
Overall Dimension

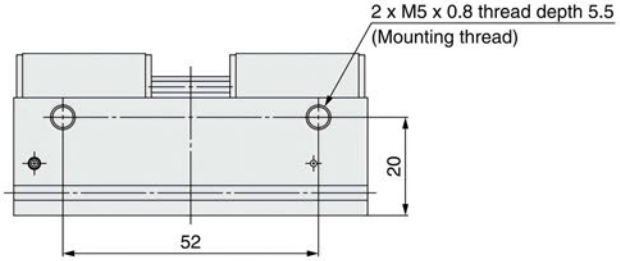
VHF2-16D











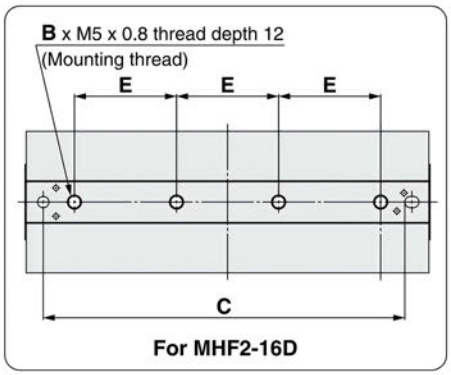
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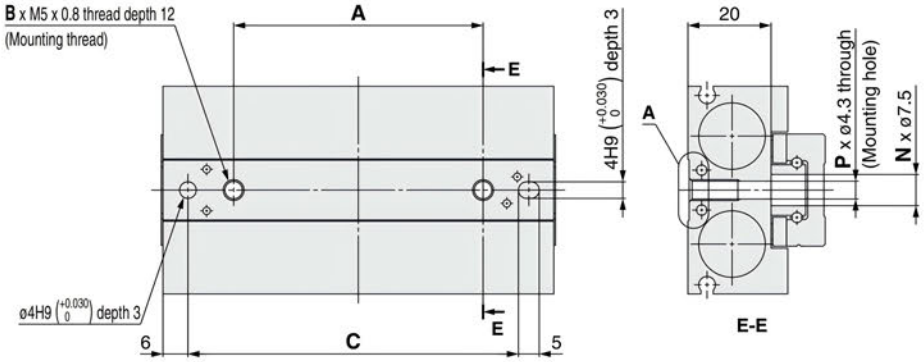
VHF2 Series
Compact Air Gripper

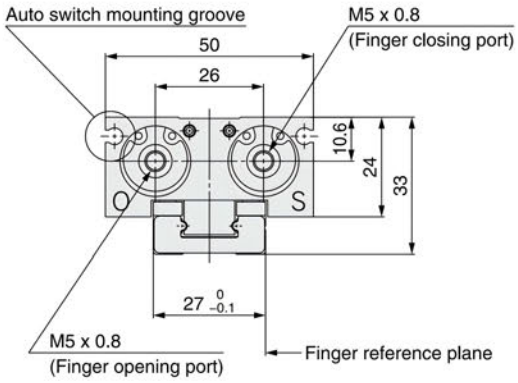
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

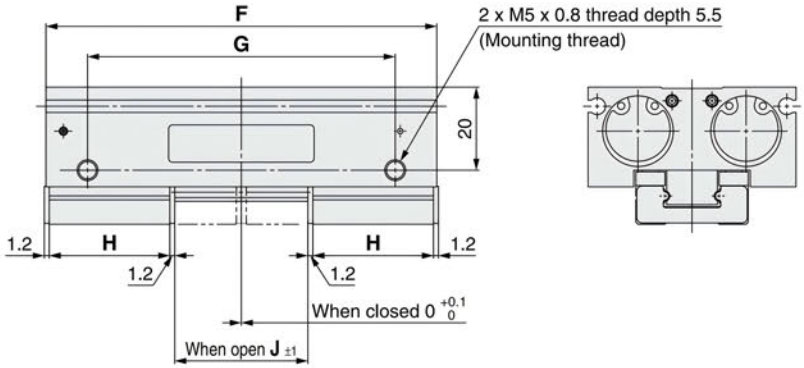
Overall Dimension

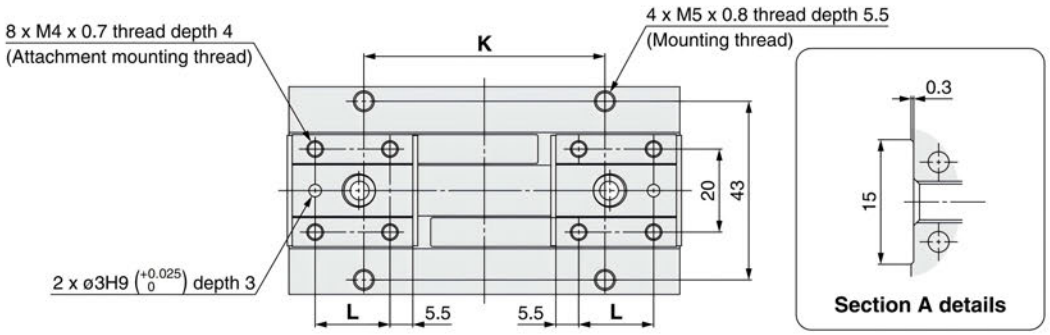
VHF2-16D1 / 16D2

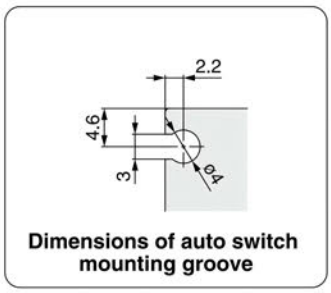


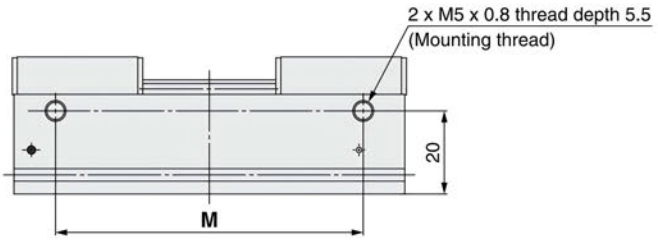












Unit: mm

Model	A	B	C	E	F	G	H	J	K	L	M	N	P
VHF2-16D	60	2	79.5	-	94	74	29	32	58	18	74	2	2
VHF2-16D1	-	4	127.5	36	142	122	37	64	106	26	122	4	4

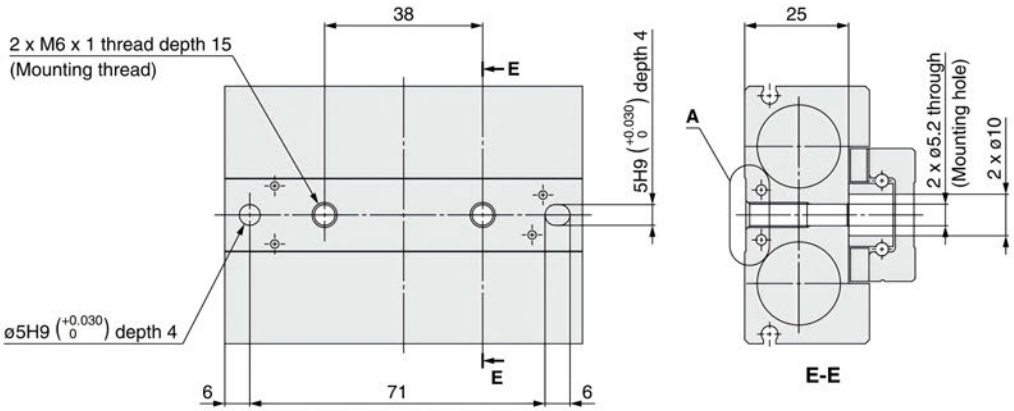
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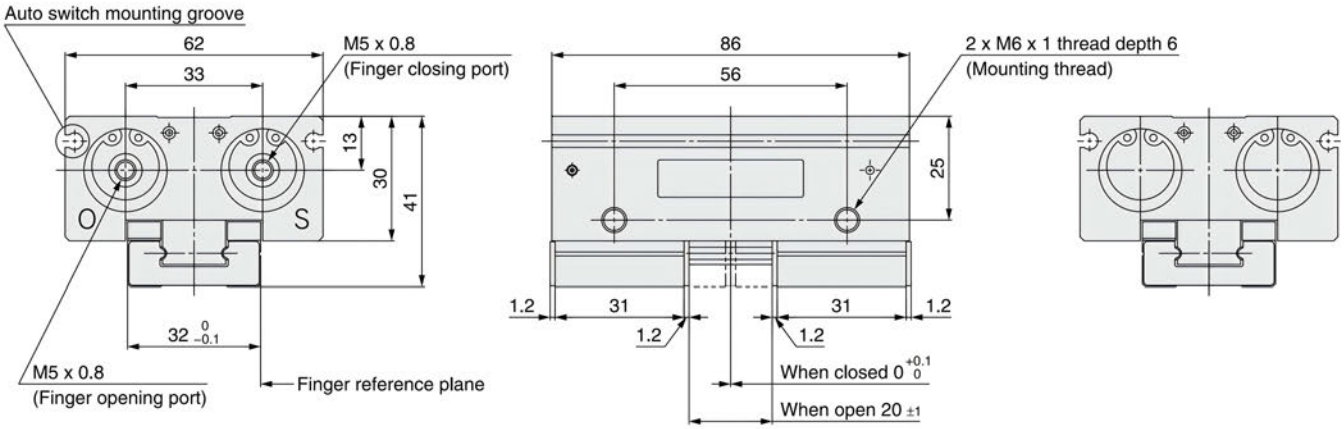
VHF2 Series
Compact Air Gripper

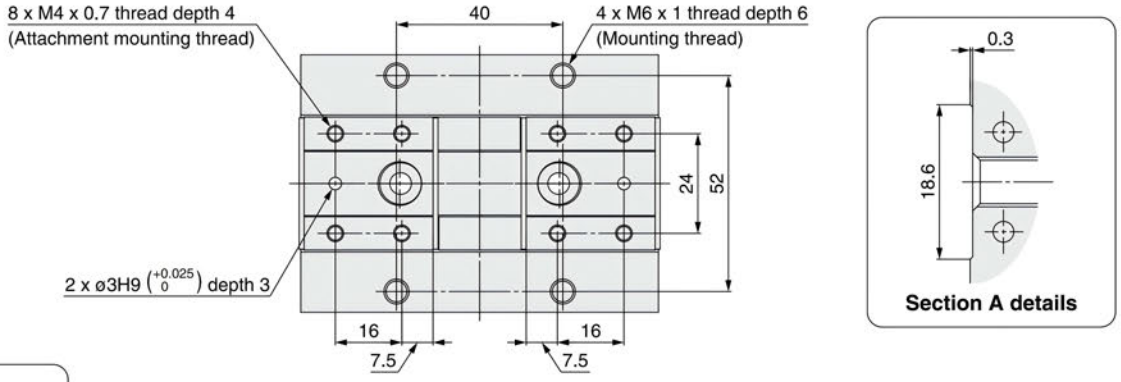
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

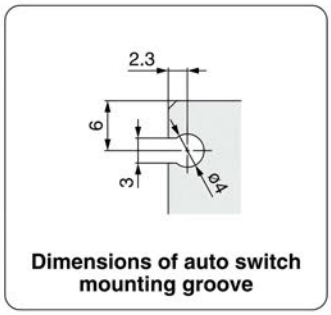
Overall Dimension

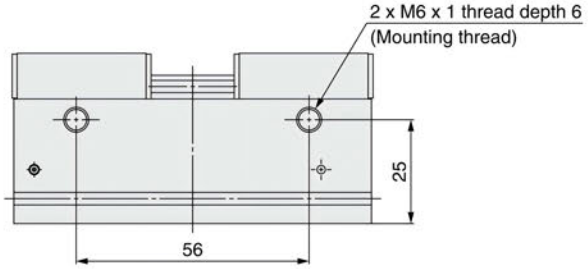
VHF2-20D











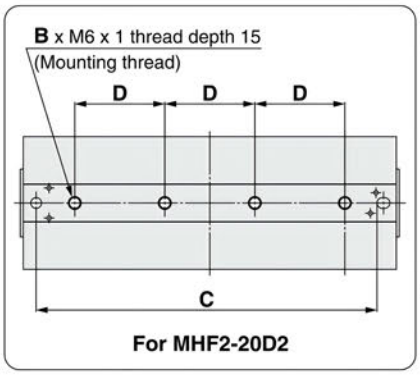
Return Catalog

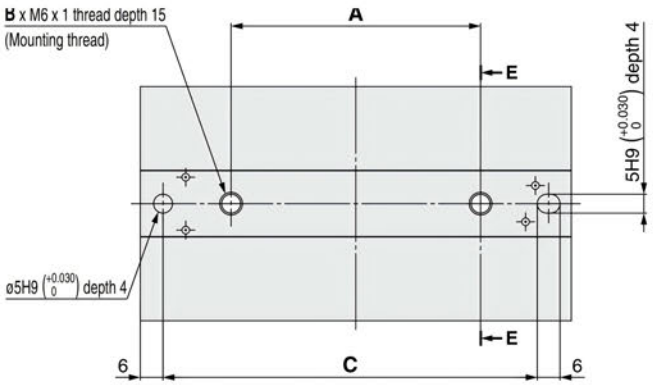
VHF2 Series
Compact Air Gripper

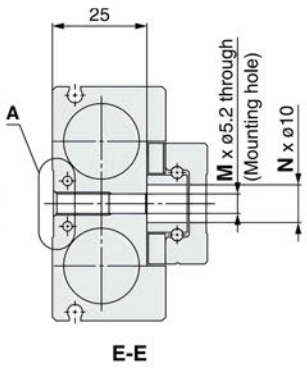
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

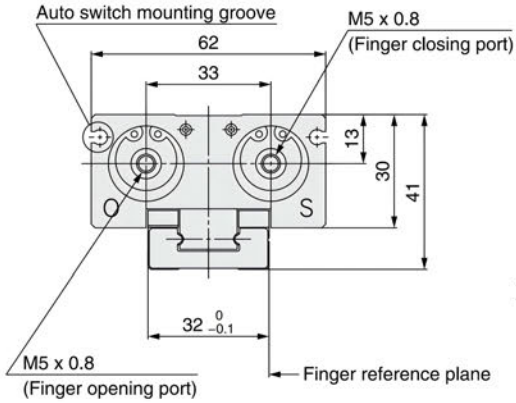
Overall Dimension

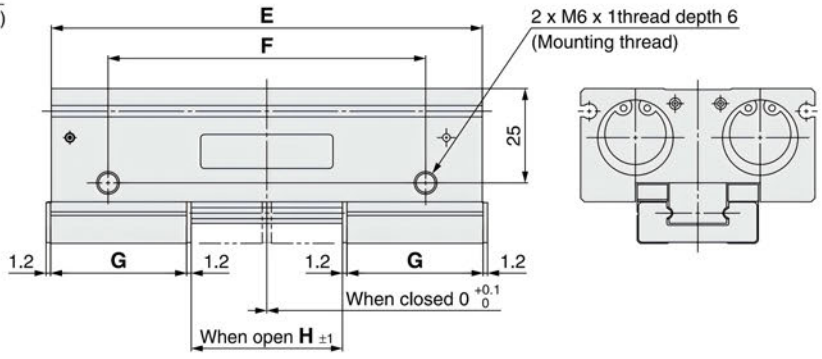
VHF2-20D1 / 20D2

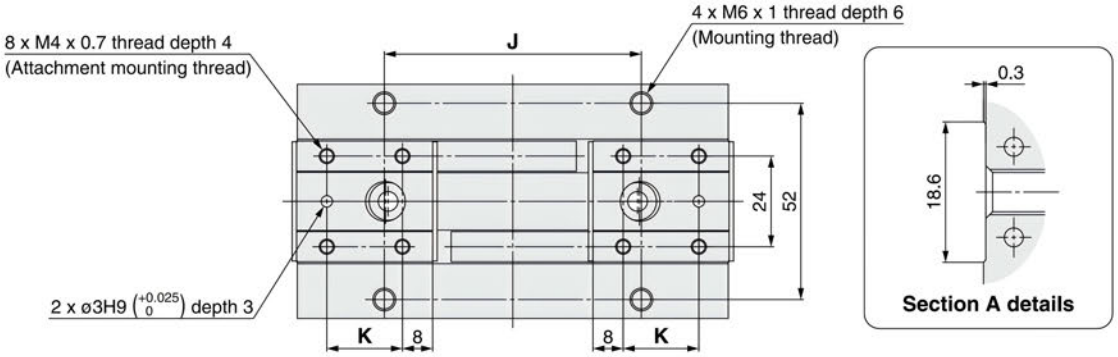


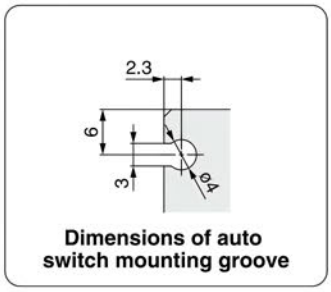


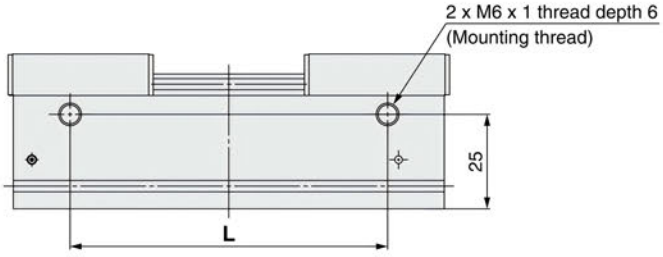












Unit: mm

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
VHF2-20D	66	2	99	-	114	84	36	40	68	20	87	2	2
VHF2-20D1	-	4	159	42	174	144	46	80	128	30	144	4	4

Return Catalog

VHF2 Series

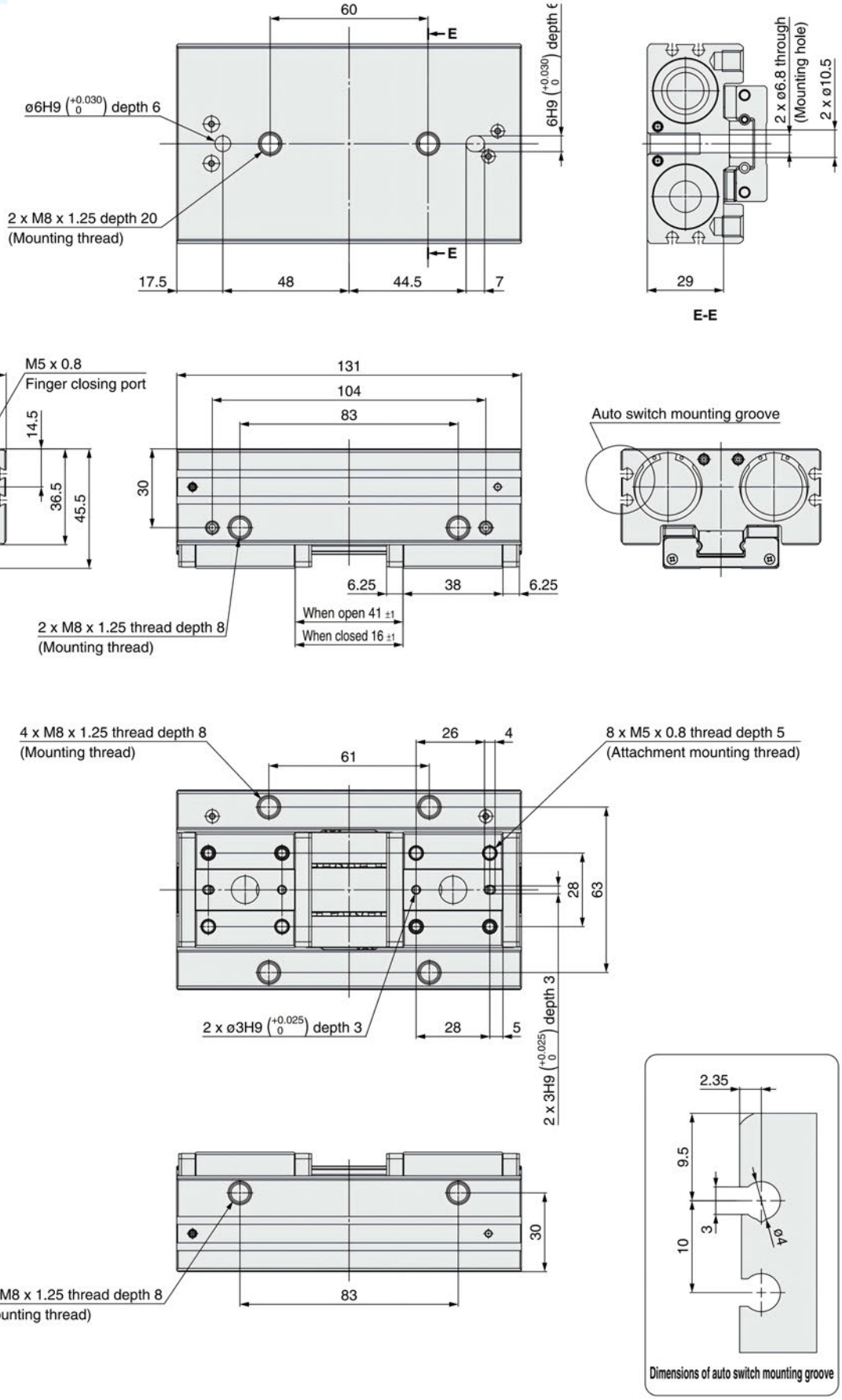
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VHF2-25D



Return Catalog

VHF2 Series

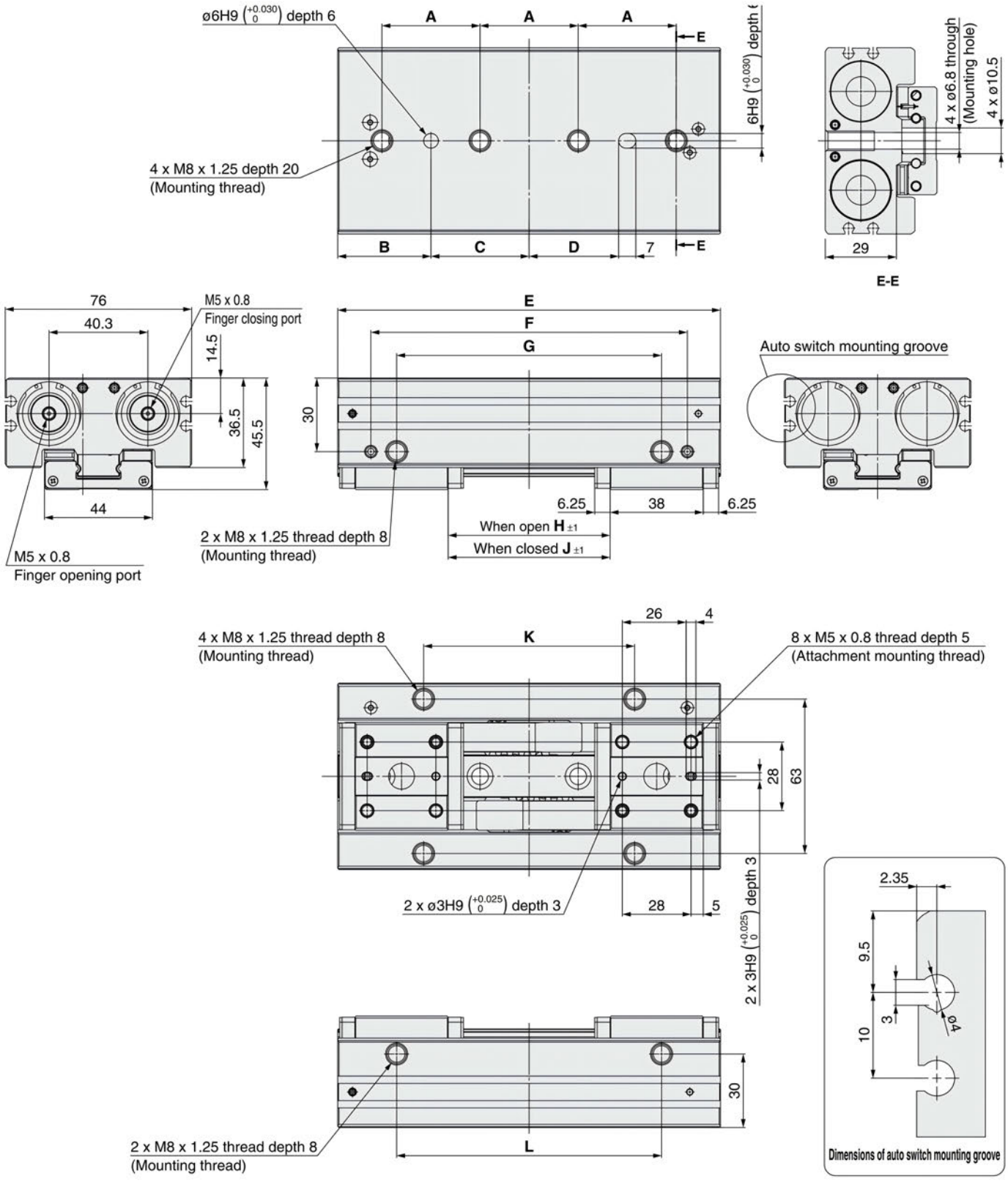
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VHF2-25D1 / 25D2



Unit: mm

Model	A	B	C	D	E	F	G	H	J	K	L
VHF2-25D	40	38	40	36.5	156	129	108	66	16	86	108
VHF2-25D1	50	17	86	82.5	206	179	158	116	16	136	136

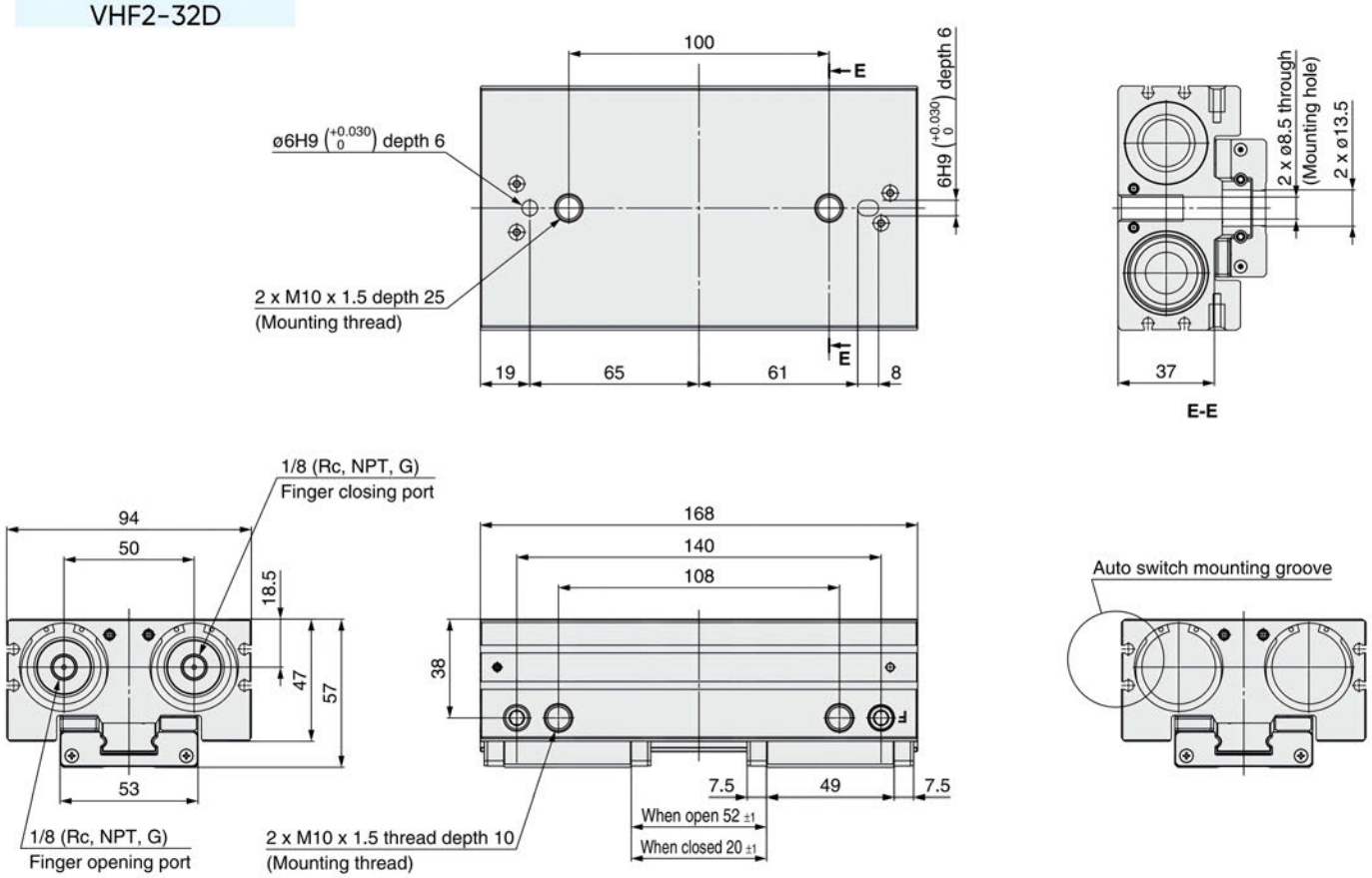
Return Catalog

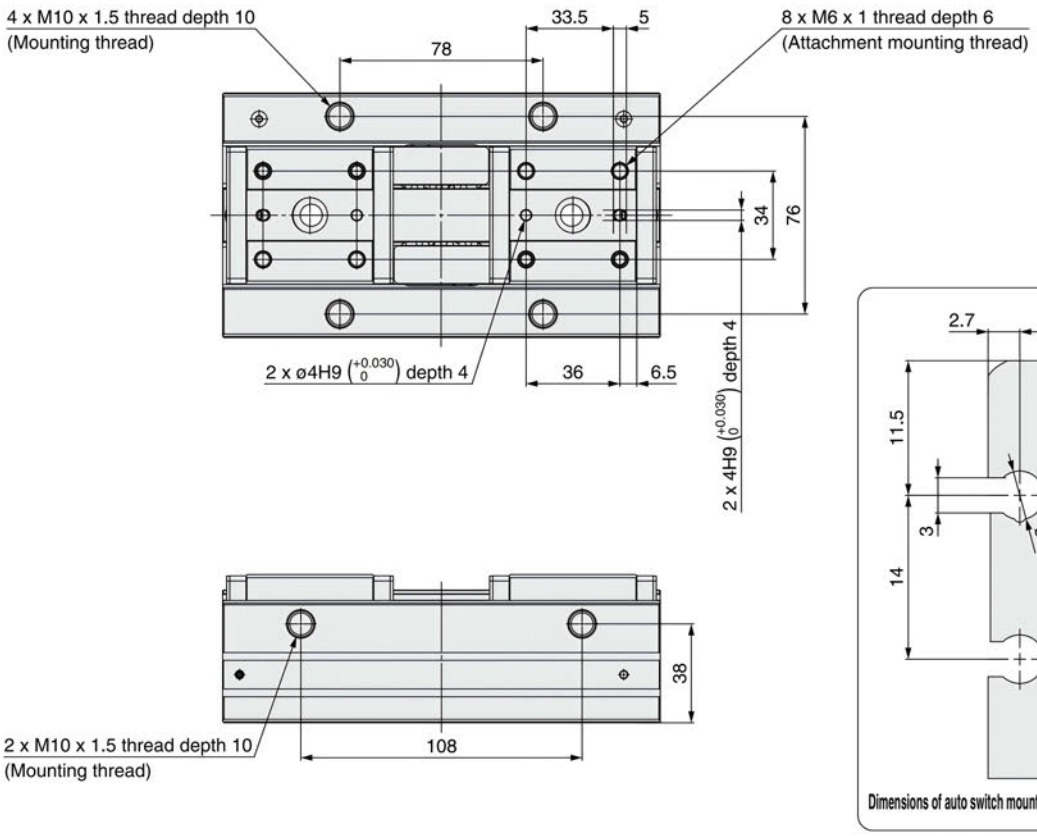
VHF2 Series
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VHF2-32D





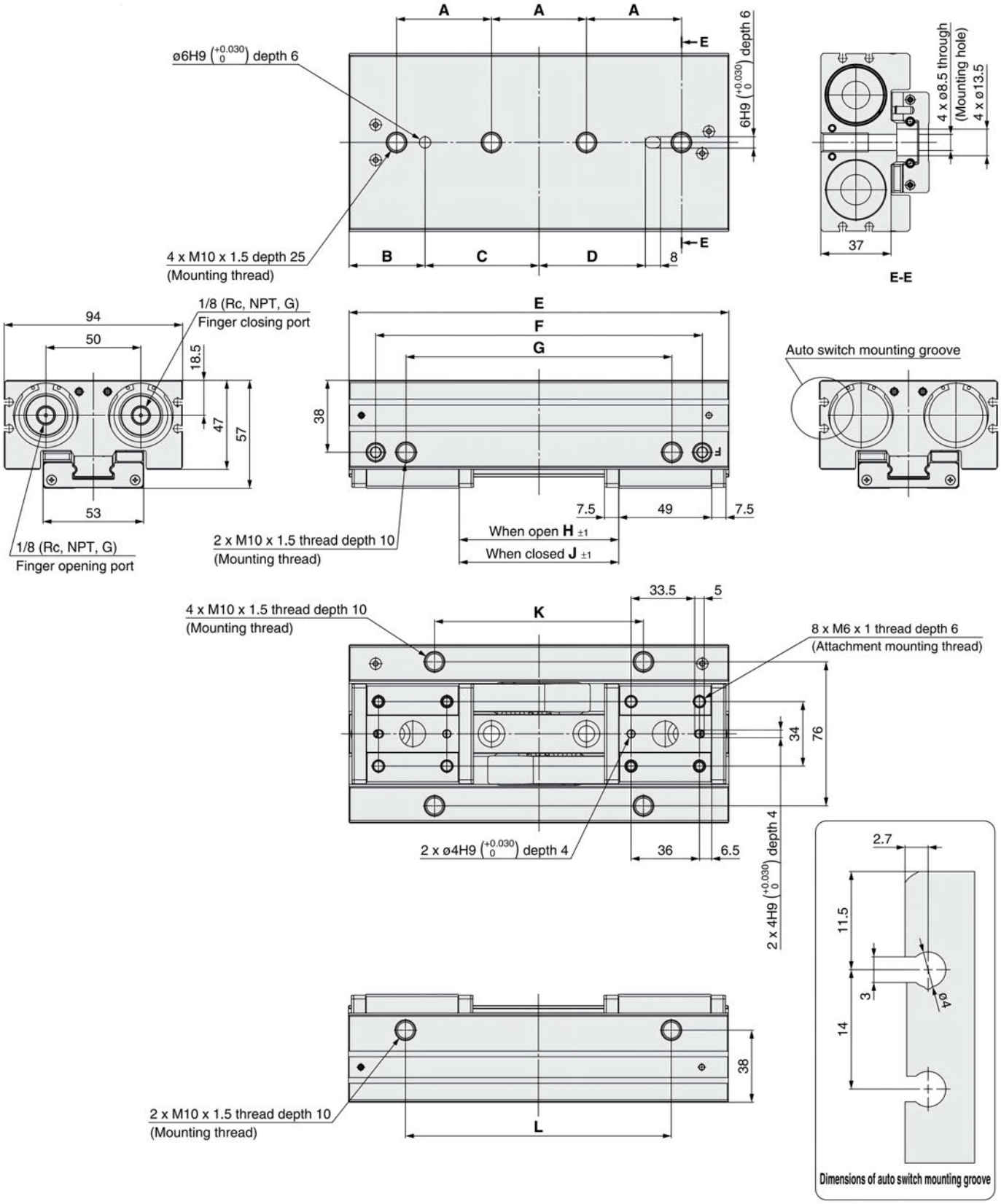
Return Catalog

VHF2 Series
Compact Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

VHF2-32D1 / 32D2



Unit: mm

Model	A	B	C	D	E	F	G	H	J	K	L
VHF2-32D	50	40	60	56	200	172	140	84	20	110	140
VHF2-32D1	60	22	110	06	264	236	204	148	20	174	204

Return Catalog

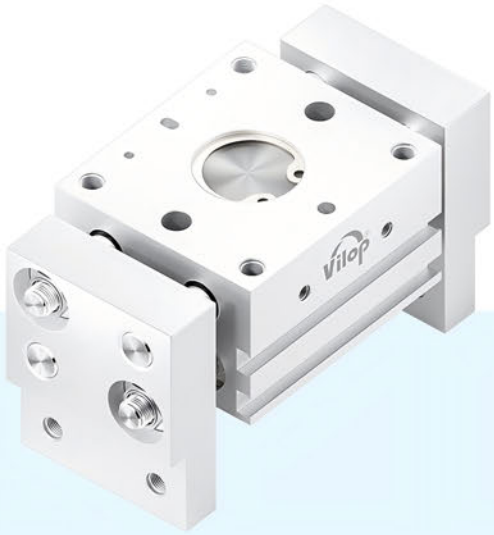
VHL2 Series

Wide Type Air Gripper

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Product Introduction



Features

- Long stroke, suitable for bulky objects.
- Double piston rod design to increase theholding force.
- Gear rod operation to make finger openand close synchronously.
- A scraper with a dust lip is adopted for allrod rotating parts.
- Many options for different working conditions

Specifications

Bore size	6	16	20	25	32	40
Operation	Double Acting					
Working Medium	Air					
Max.operating Pressure	0.6(6.1)					
Min.operating Pressure	0.15(1.5)	0.1(1.0)				
Ambient And Fluid Temperature	-10-60°C with no(condensation)					
Repeatability	±0.1					
Holding Power	14(1.4)	45(4.6)	74(7.5)	131(13.4)	228(23.4)	396(40.4)
Port Size	M5×0.8				1/8	

[Note] Under the pressure of 0.5MPa and the holding point 40mm(Ø10~Ø25),80mm(Ø32/Ø40)

Ordering Code

VHL2	16	D	□	□	□
	①	②	③	④	

①Bore size	②Opening/closing stroke		③Gripper type		④Load Capacity	
Ø10	Nil	Short Stroke	N/A	Standard	N/A	Standard
Ø16						
Ø20	1	Short Stroke				
Ø25			B	Side Gripping	B	Sleeve extension
Ø32	2	Short Stroke				
Ø40						

Stroke/Weight Table

Model	Bore Size(mm)	Max.Operating Frequency(c.p.m)	Opening/ Closing Stroke (mm) (L2-L1)	Closing Width(mm)(L1)	Opening Width(mm)(L2)	Weight(g)
VHL2-10D□-□	10	60	20	56	76	280
VHL2-10D1□-□		40	40	78	118	345
VHL2-10D2□-□		40	40	96	156	425
VHL2-16D□-□	16	60	30	68	98	585
VHL2-16D1□-□		40	60	110	170	795
VHL2-16D2□-□		40	80	130	210	935
VHL2-20D□-□	20	60	40	82	122	1025
VHL2-20D1□-□		40	80	142	222	1495
VHL2-20D2□-□		40	100	162	262	1690
VHL2-25D□-□	25	60	50	100	150	1690
VHL2-25D1□-□		40	100	182	282	2560
VHL2-25D2□-□		40	120	200	320	2775
VHL2-32D□-□	32	30	70	150	220	2905
VHL2-32D1□-□		20	120	198	318	3820
VHL2-32D2□-□		20	160	242	402	4655
VHL2-40D□-□	40	30	100	188	288	5270
VHL2-40D1□-□		20	160	246	406	6830
VHL2-40D2□-□		20	200	286	486	7905

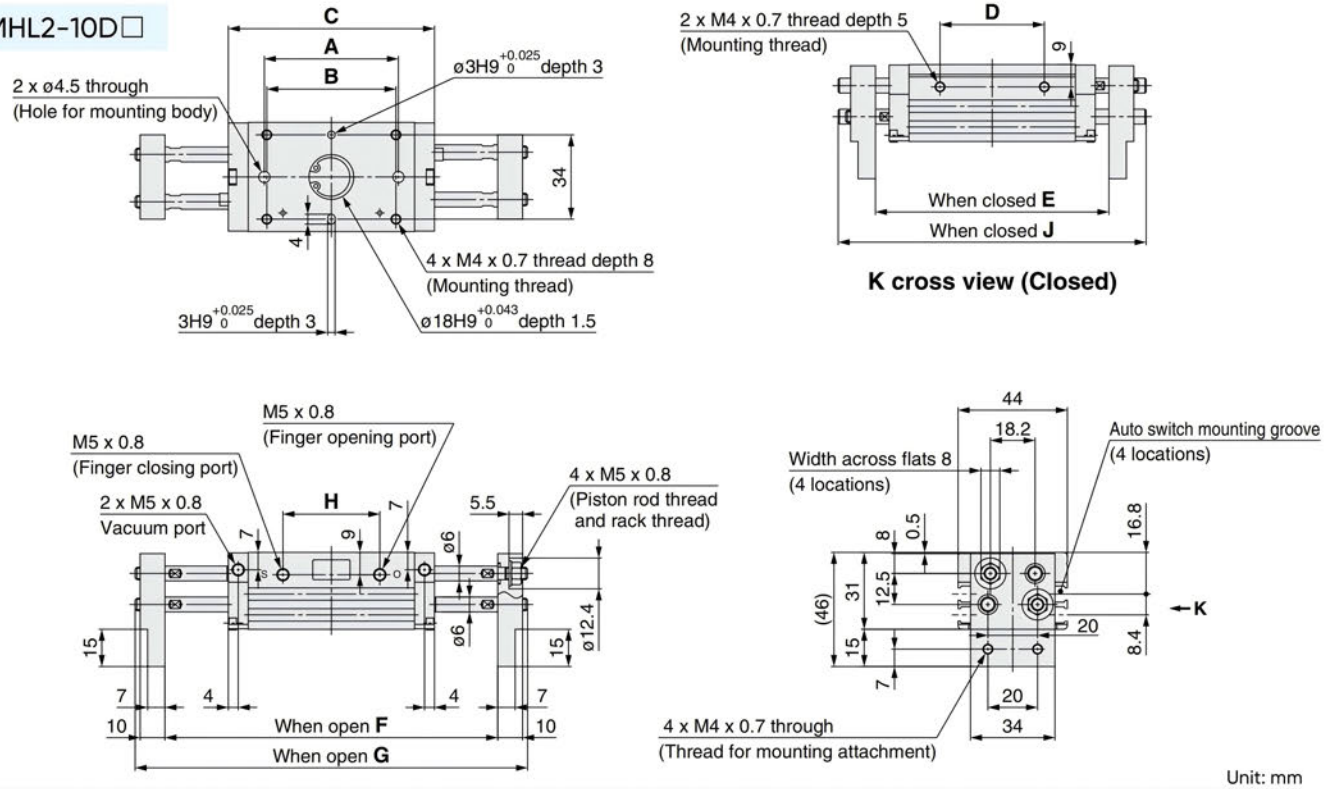
Return Catalog

VHL2 Series
Wide Type Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

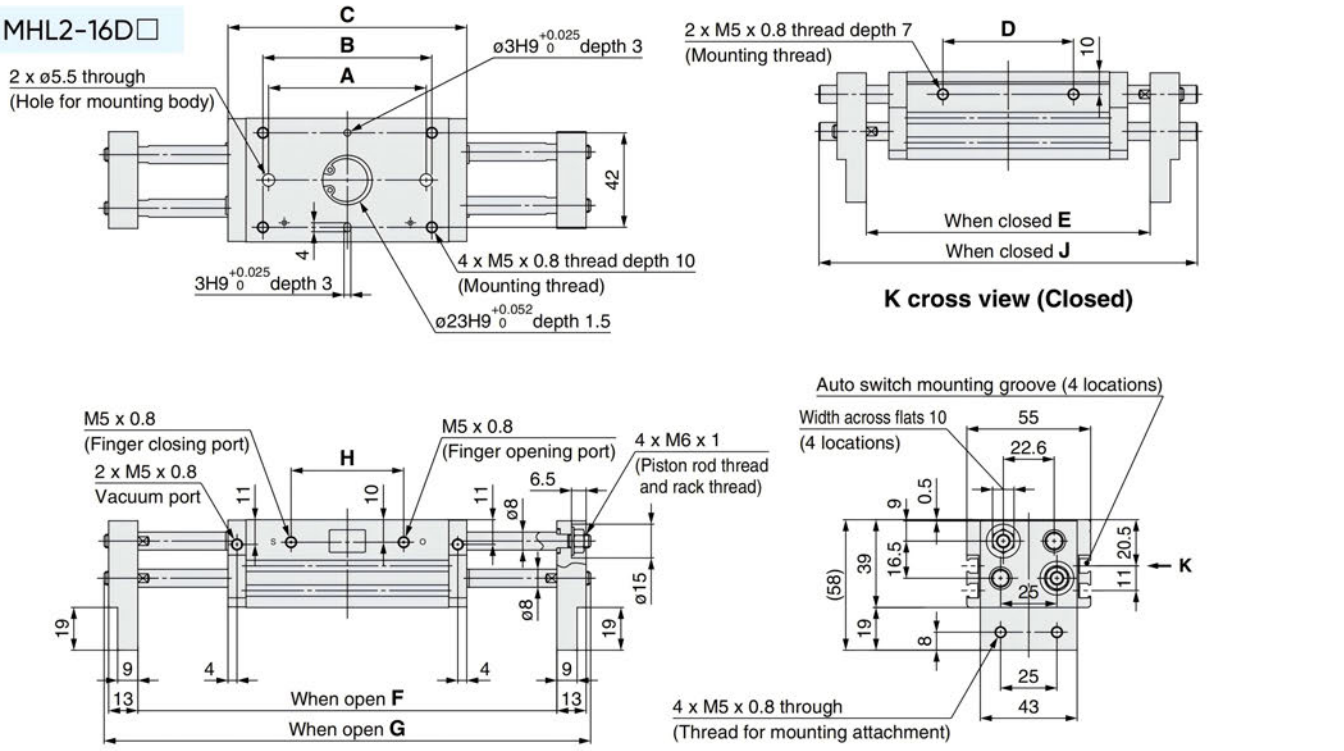
MHL2-10D□



Unit: mm

Model	A	B	C	D	E	F	G	H	J
VHL2-10D	38	36	67	26	72	92	116	24	96
VHL2-10D1	54	52	83	42	94	134	158	39	124
VHL2-10D2	72	70	101	60	112	172	196	57	162

MHL2-16D□



Unit: mm

Model	A	B	C	D	E	F	G	H	J
VHL2-16D	40	45	76	28	84	114	144	26	114
VHL2-16D1	70	75	106	58	126	186	216	50	168
VHL2-16D2	90	95	126	78	146	226	256	70	208

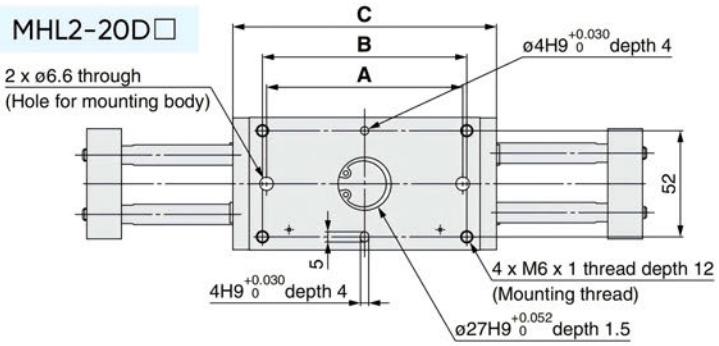
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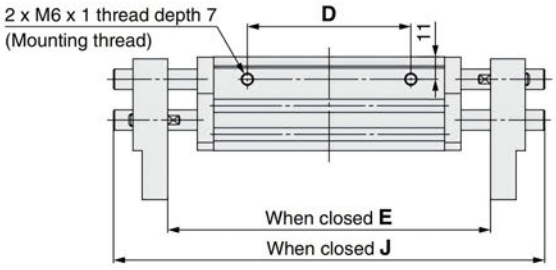
VHL2 Series
Wide Type Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

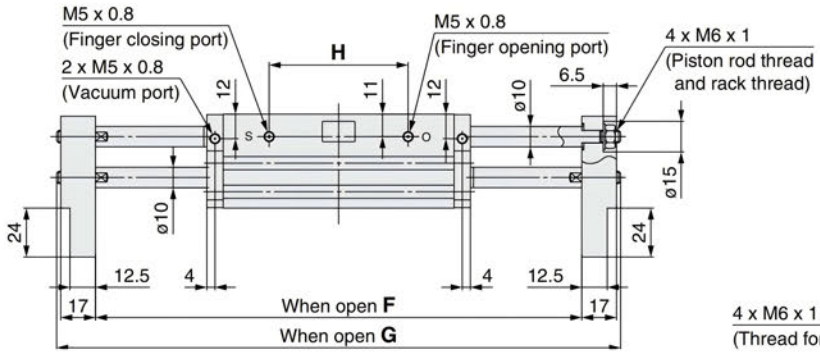
Overall Dimension

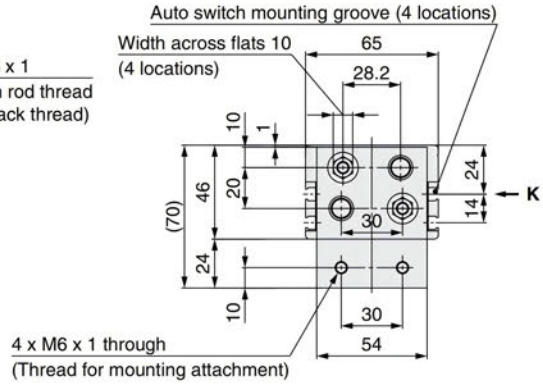
MHL2-20D□





K cross view (Closed)

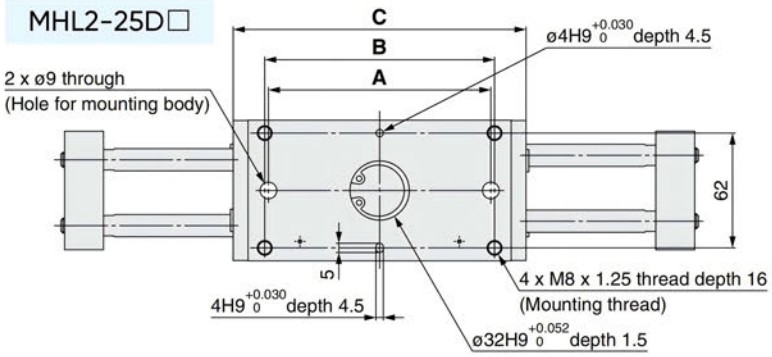


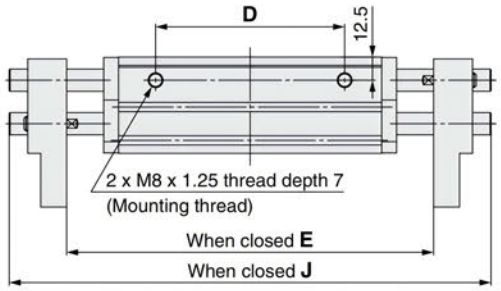


Unit: mm

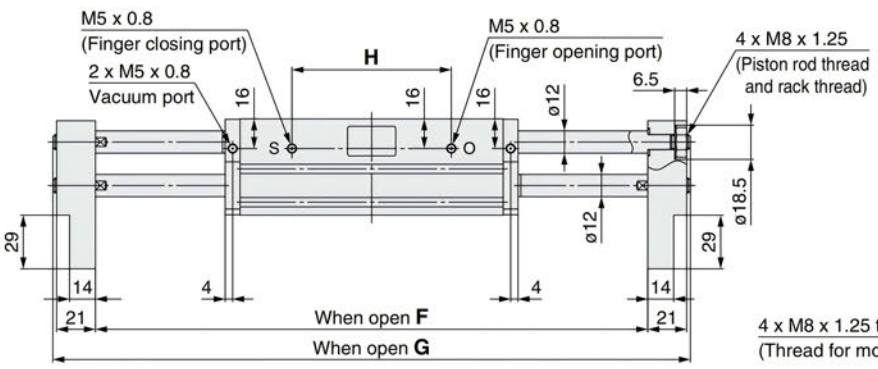
Model	A	B	C	D	E	F	G	H	J
VHL2-20D	54	58	87	38	98	138	176	32	136
VHL2-20D1	96	100	129	80	158	238	276	68	211
VHL2-20D2	116	120	149	100	178	278	316	88	251

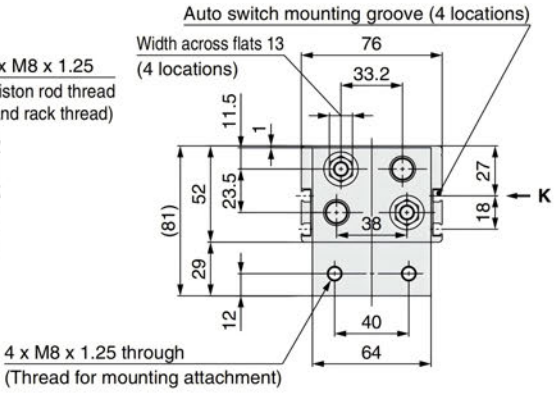
MHL2-25D□





K cross view (Closed)





Unit: mm

Model	A	B	C	D	E	F	G	H	J
VHL2-25D	66	70	104	48	116	166	212	38	162
VHL2-25D1	120	124	158	102	198	298	344	86	260
VHL2-25D2	138	142	176	120	216	336	382	104	298

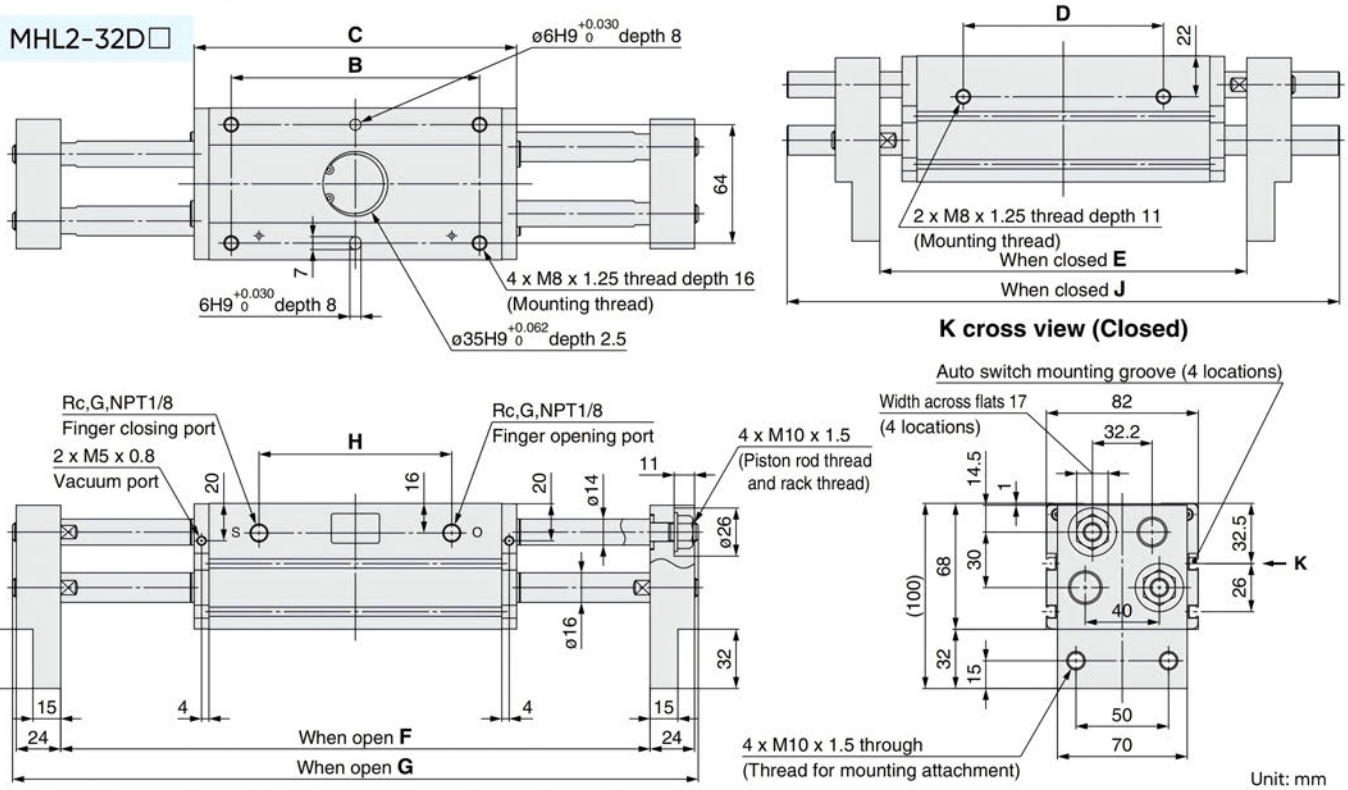
Return Catalog

VHL2 Series
Wide Type Air Gripper

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

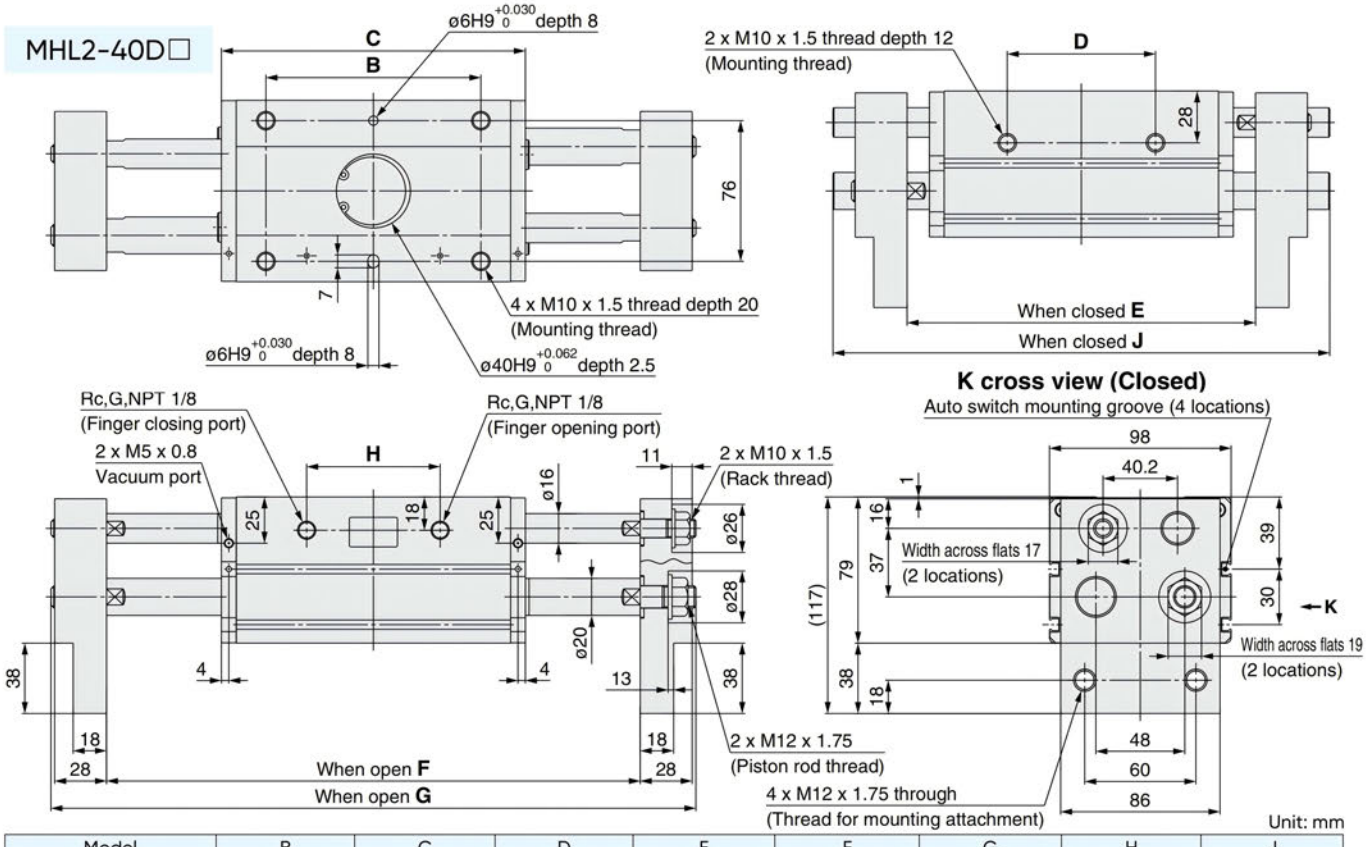
MHL2-32D□



Unit: mm

Model	B	C	D	E	F	G	H	J
VHL2-32D	86	126	60	150	220	272	56	202
VHL2-32D1	134	174	108	198	318	370	104	298
VHL2-32D2	178	218	152	242	402	454	148	382

MHL2-40D□



Unit: mm

Model	B	C	D	E	F	G	H	J
VHL2-40D	116	164	80	188	288	348	72	268
VHL2-40D1	174	222	138	246	406	466	130	386
VHL2-40D2	214	262	178	286	486	546	170	466

Return Catalog

MHS2 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series



MSH2



MSH3



MSH4



MSHL3

Features

- Heavy-duty, precision T-slot for gripper jaws.
- High gripping force with compact size.
- Max. repetition accuracy.
- Ideal for very harsh enviornment.

MHS2 Series Pneumatic
Gripper(Two fingers)

Ordering Code

MHS	2	20	D	MT
Model	Qty of Fingers	Bore	Acting type	Sensor
		16 20 25 32 40 50 63	Dounle Acting	Blank:non-Megnetic Switch

D-M9BW



MHS3 Series Pneumatic
Gripper(Three fingers)

Ordering Code

MHS	L	3	20	D	MT
Model	Specification	Qty of Fingers	Bore	Acting type	Sensor
	Black: Standard L: Long Stroke		16 20 25 32 40 63 80 100 125	Dounle Acting	Blank:non-Megnetic Switch

D-M9BW



MHS4 Series Pneumatic
Gripper(Four fingers)

Ordering Code

MHS	4	20	D	MT
Model	Qty of Fingers	Bore	Acting type	Sensor
		16 20 25 32 40 50 63	Dounle Acting	Blank:non-Megnetic Switch

D-M9BW



Return Catalog

MHS2 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Model/Specifications

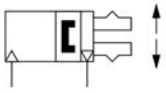


Model		MHS2-16D	MHS2-20D	MHS2-25D	MHS2-32D	MHS2-40D	MHS2-50D	MHS2-63D
Bore size (mm)		16	20	25	32	40	50	63
Fluid		Air						
Operating pressure (MPa)		0.2~0.6			0.1~0.6			
Ambient and fluid temperature (°C)		-10~60						
Repeatability(mm)		±0.01						
Max. operating frequency (c.p.m.)		120			60			
Lubrication		Not Required						
Action		Double Acting						
Effective gripping Force (N) at 0.5 MPa Note)	External grip	21	37	63	111	177	280	502
	Internal grip	23	42	71	123	195	306	537
Opening/Closing stroke (Both sides)(mm)		4	4	6	8	8	12	16
Weight (g)		58	96	134	265	345	515	952

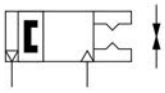
Note) Values for Ø16 to Ø25 are with gripping point L = 20 mm, and for Ø32 to Ø63 with gripping point L = 30 mm.

Symbol

Double acting:
Internal grip



Double acting:
External grip



Made to Order
Click here for details

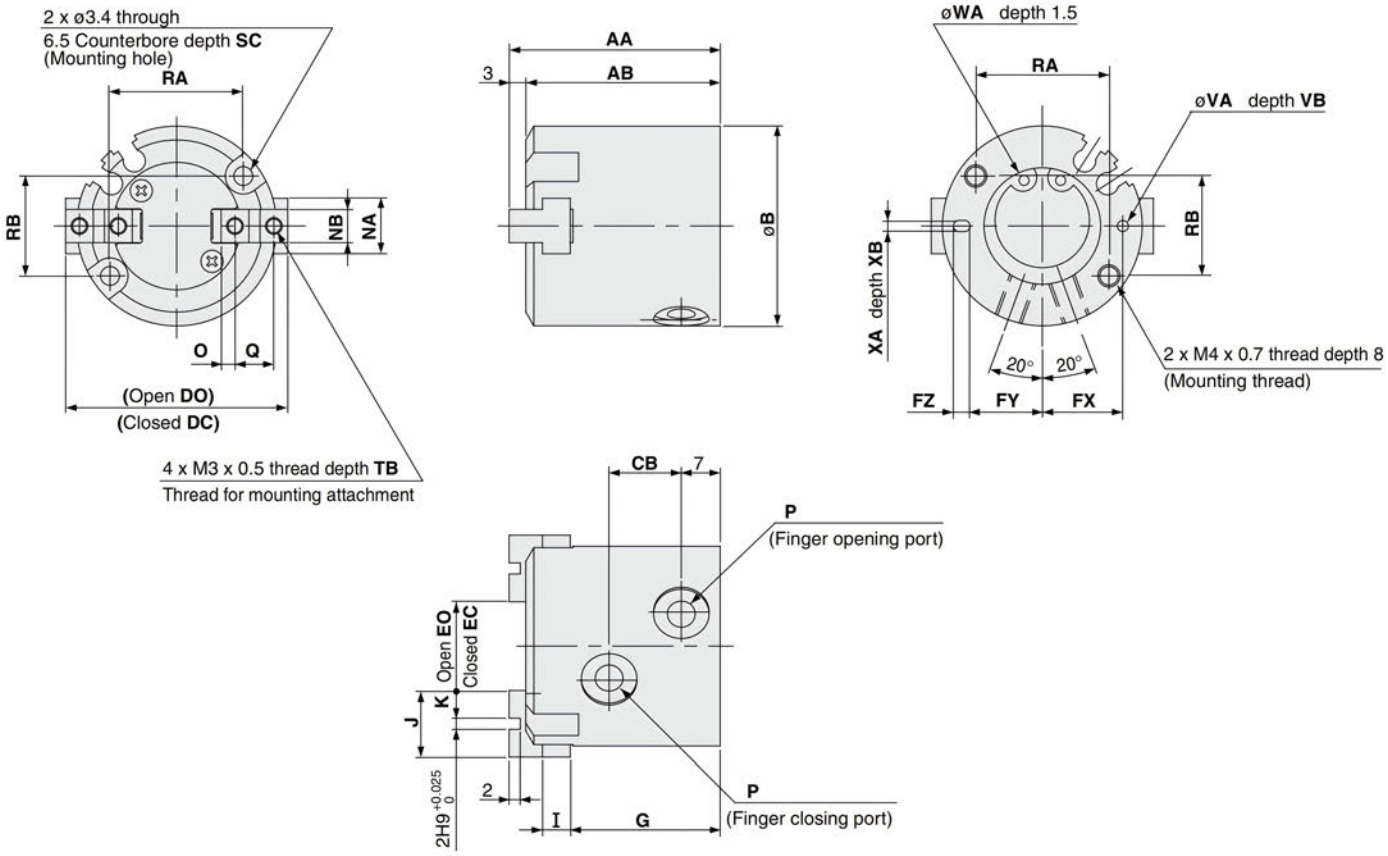
Symbol	Specifications/Description
-X4	Heat resistance(100°C)
-X5	Fluororubber seal
-X50	Without magnet
-X53	EPDM seal/Fluorine grease
-X56	Axial ported
-X63	Fluorine grease
-X79	Grease for food processing machines, Fluorine grease
-X79A	Grease for food processing machines

Return Catalog

MHS2 Series
Pneumatic Gripperr

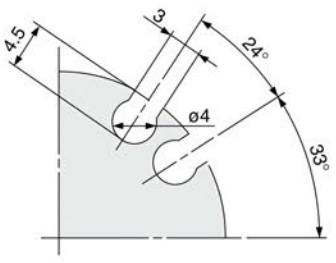
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS2-16D to 25D

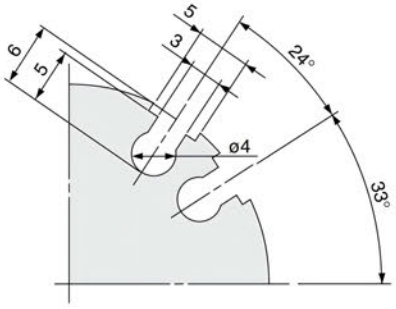


Auto switch mounting groove dimensions (2 locations)

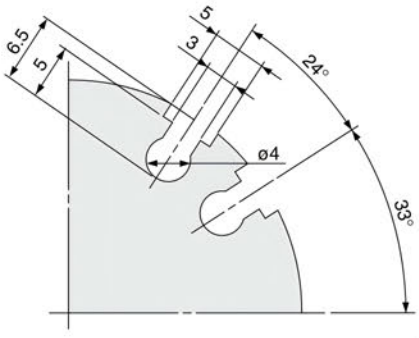
MHS2-16D



MHS2-20D



MHS2-25D



(mm)

Model	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q
MHS2-16D	35	32	30	11	30	34	10	14	12.5	11	3	25	4	10	4	8	5h9	2	M3×0.5	6
MHS2-20D	38	35	36	13	36	40	12	16	14.5	13	3	27	5	12	5	10	6h9	2.5	M5×0.8	7
MHS2-25D	40	37	42	15	42	48	14	20	17	14.5	5	28	5	14	6	12	6h9	3	M5×0.8	8

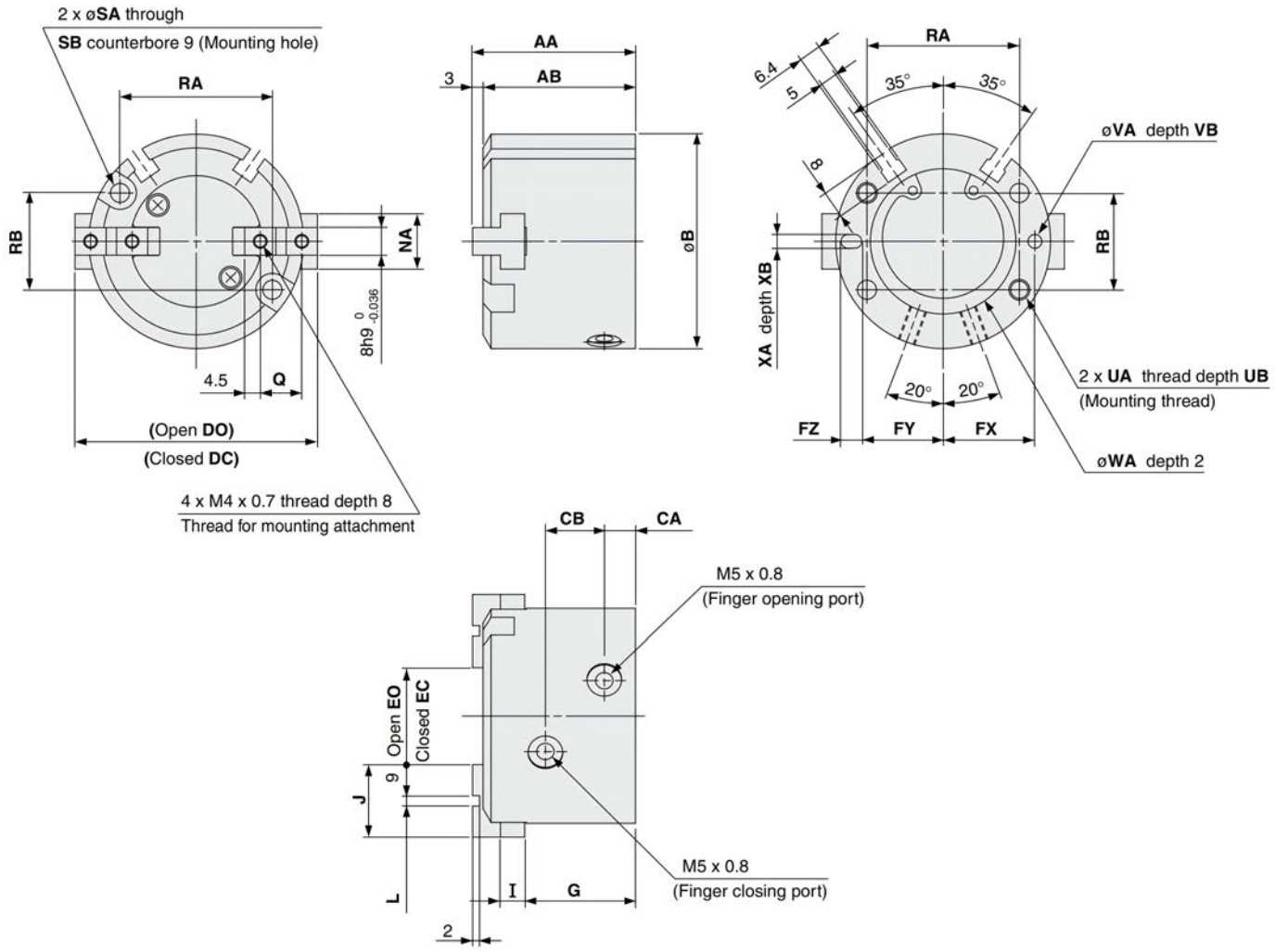
Model	RA	RB	SC	TB	VA	VB	WA	XA	XB
MHS2-16D	18	16	8	5	2H9	2	17H9	2H9	2
MHS2-20D	24	18	9.5	6	2H9	2	21H9	2H9	2
MHS2-25D	26	22	10	6	3H9	3	26H9	3H9	3

Return Catalog

MHS2 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS2-32D/40D



(mm)

Model	AA	AB	B	CA	CB	DC	DO	EC	EO	FY	FZ	G	I	J	L	NA	Q	RA	RB	SA
MHS2-32D	44	41	56	8	16	56	64	16	24	23	5	30.5	6	20	2H9	14	11	38	25	4.5
MHS2-40D	47	35	62	9	17	62	70	20	28	26.5	6	32	7	21	3H9	16	12	44	28	5.5

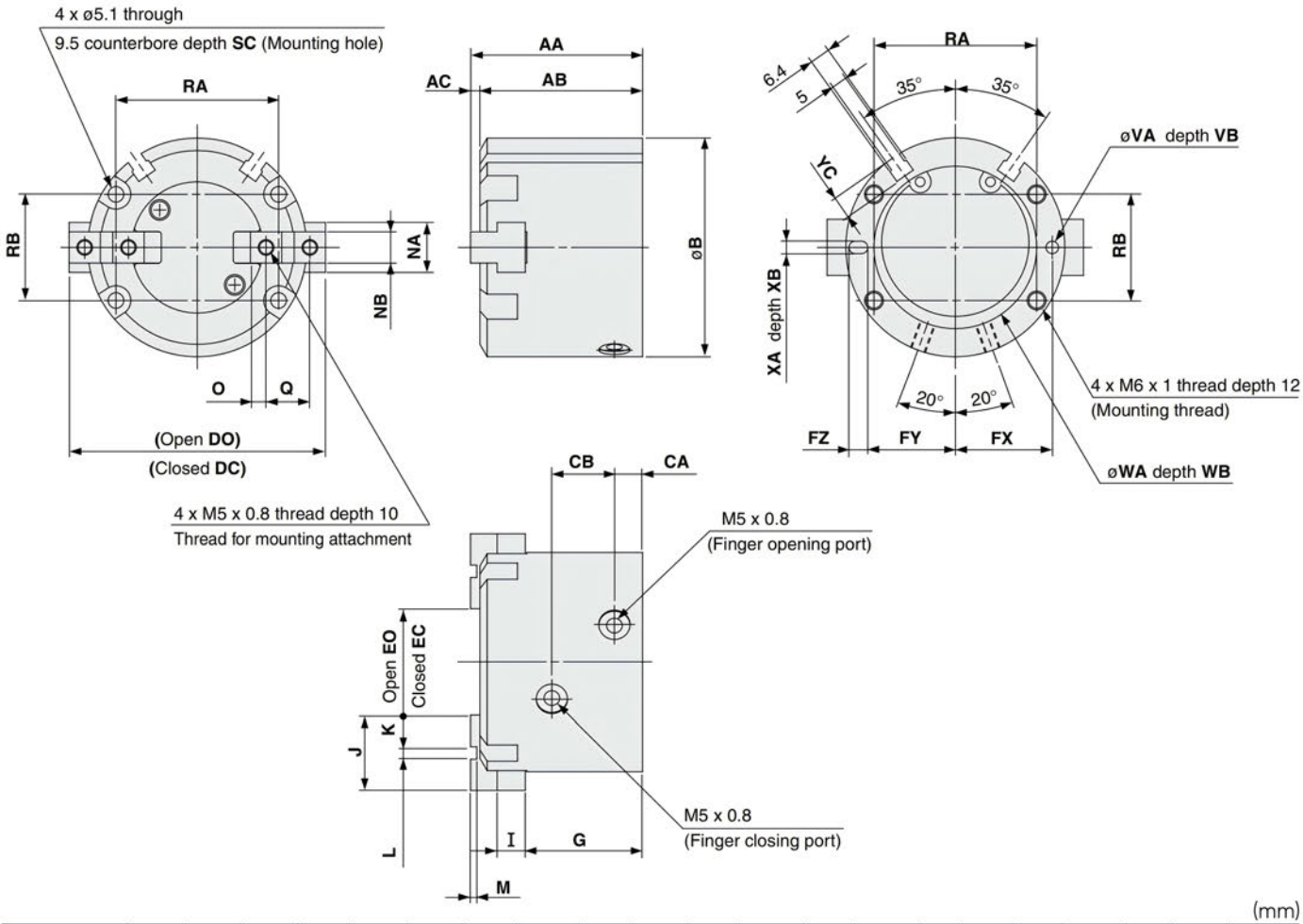
Model	SB	UA	UB	VA	VB	WA	XA	XB
MHS2-32D	8	M5×0.8	10	3H9	3	34H9	3H9	3
MHS2-40D	9.5	M6×1	12	4H9	4	42H9	4H9	4

Return Catalog

MHS2 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS2-50D/63D

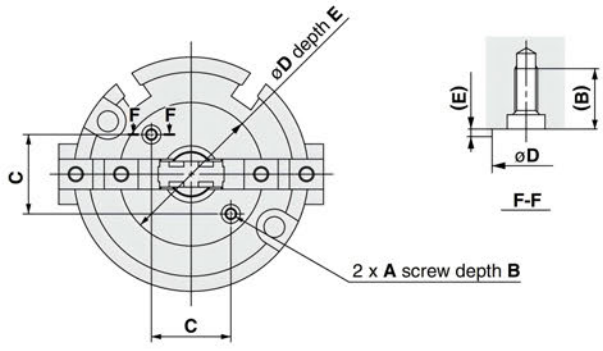


(mm)

Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
MHS2-50D	55	52	3	70	9	20	70	82	22	34	31	28	6	37.5	9	24	10	4H9	2	18	10H9
MHS2-63D	66	62	4	86	23	22	86	102	30	46	38	34.5	7	44	11	28	11	6H9	3	24	12H9

Model	O	Q	RA	RB	SC	VA	VB	WA	WB	XA	XB	YC
MHS2-50D	5	14	52	34	12	4H9	4	52H9	2	4H9	4	7
MHS2-63D	5.5	17	66	38	14	5H9	5	65H9	2.5	5H9	5	7.5

MHS2 Series Detailed dimensions of mounting portion of end plate



(mm)

Model	A	B	C	ØD	E
MHS2-16D	M2×0.4	5.5	11	21	0.5
MHS2-20D		5.4	13	24	0.6
MHS2-25D			15	27	
MHS2-32D		5.2	18	32	0.8
MHS2-40D	M3×0.4	8	21	38	1
MHS2-50D			24	42	
MHS2-63D			32	54	

Return Catalog

MHS3 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Model/Specifications

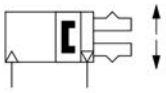


Model		MHS3-16D	MHS3-20D	MHS3-25D	MHS3-32D	MHS3-40D	MHS3-50D	MHS3-63D	MHS3-80D	MHS3-100D	MHS3-125D
Bore size (mm)		16	20	25	32	40	50	63	80	100	125
Fluid		Air									
Operating pressure (MPa)		0.2~0.6			0.1~0.6						
Ambient and fluid temperature (°C)		-10~60									
Repeatability(mm)		±0.01									
Max. operating frequency (c.p.m.)		120			60				30		
Lubrication		Not Required									
Action		Double Acting									
Effective gripping Force (N) at 0.5 MPa Note)	External grip	14	25	42	74	118	187	335	500	750	1270
	Internal grip	16	28	47	82	130	204	359	525	780	1320
Opening/Closing stroke (Both sides)(mm)		4	4	6	8	8	12	16	20	24	32
Weight (g)		60	100	140	237	351	541	992	1850	3340	6460

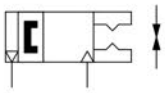
Note) Values for Ø16 to Ø25 are with gripping point L = 20 mm, for Ø32 to Ø63 with gripping point L = 30 mm, and for Ø80 to Ø125 with gripping point L = 50 mm.

Symbol

Double acting:
Internal grip



Double acting:
External grip



Made to Order:
Individual Specifications

Symbol	Specifications/Description
-X84	Single Acting (Ø16 to Ø63)

Made to Order
Click here for details

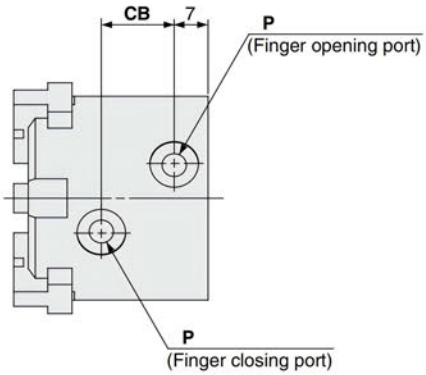
Symbol	Specifications/Description
-X4	Heat resistance(100°C)
-X5	Fluororubber seal
-X50	Without magnet
-X53	EPDM seal/Fluorine grease
-X56	Axial ported
-X63	Fluorine grease
-X79	Grease for food processing machines, Fluorine grease
-X79A	Grease for food processing machines

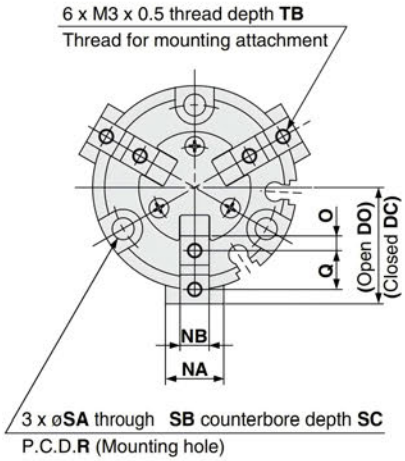
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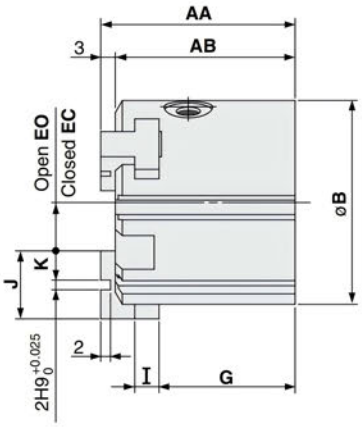
MHS3 Series
Pneumatic Gripperr

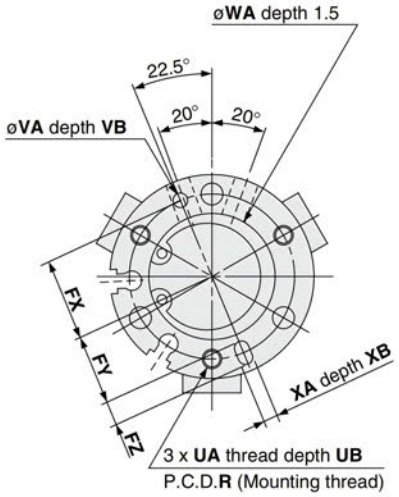
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-16D to 25D



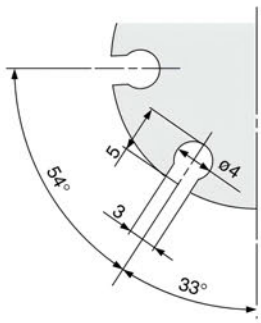




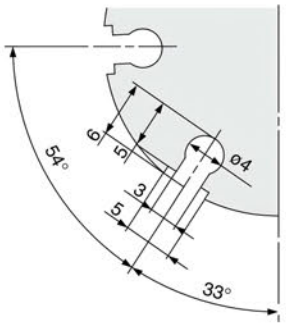


Auto switch mounting groove dimentions (2 locations)

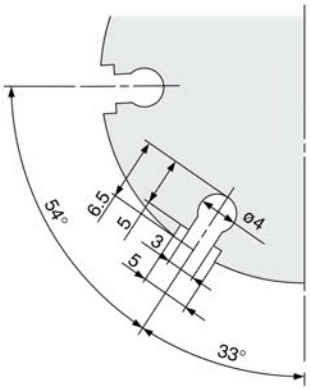
MHS3-16D



MHS3-20D



MHS3-25D



(mm)

Model	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q	R
MHS3-16D	35	32	30	11	15	17	5	7	12.5	11	3	25	4	10	4	8	5h9	2	M3×0.5	6	25
MHS3-20D	38	35	36	13	18	20	6	8	14.5	13	3	27	5	12	5	10	6h9	2.5	M5×0.8	7	29
MHS3-25D	40	37	42	15	21	24	7	10	17	14.5	5	28	5	14	6	12	6h9	3	M5×0.8	8	34

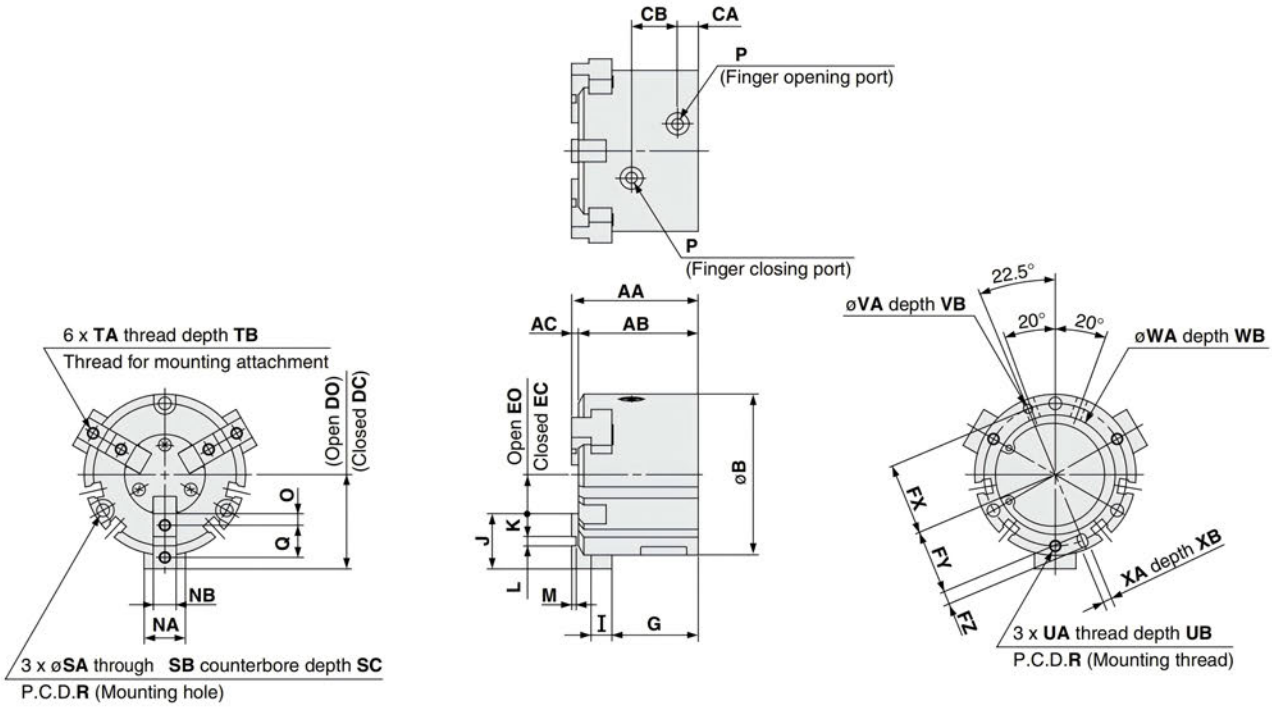
Model	SA	SB	SC	TB	UA	UB	VA	VB	WA	XA	XB
MHS3-16D	18	16	8	5	2H9	2	17H9	2H9	2	2H9	2
MHS3-20D	24	18	9.5	6	2H9	2	21H9	2H9	2	2H9	2
MHS3-25D	26	22	10	6	3H9	3	26H9	3H9	3	3H9	3

Return Catalog

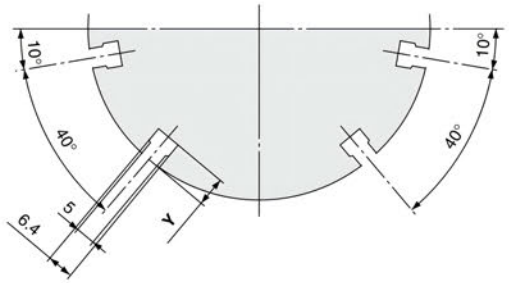
MHS3 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-32D to 80D



Auto switch mounting groove dimensions (4 locations)



(mm)

Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
MHS3-32D	35	41	3	52	3	16	28	32	8	12	22	19.5	5	30.5	6	20	9	2H9	2	14	8H9
MHS3-40D	38	44	3	62	3	17	31	35	10	14	26.5	23.5	6	32	7	21	9	3H9	2	16	8H9
MHS3-50D	40	52	3	70	3	20	35	41	11	17	31	28	6	37.5	9	24	10	4H9	2	18	10H9
MHS3-63D	66	62	4	86	4	22	43	51	15	23	37	34.5	7	44	11	28	11	6H9	3	24	12H9
MHS3-80D	82	77	5	106	5	27	53.5	63.5	21.5	31.5	47.5	43.5	8	56	12	32	12	8H9	4	28	14H9

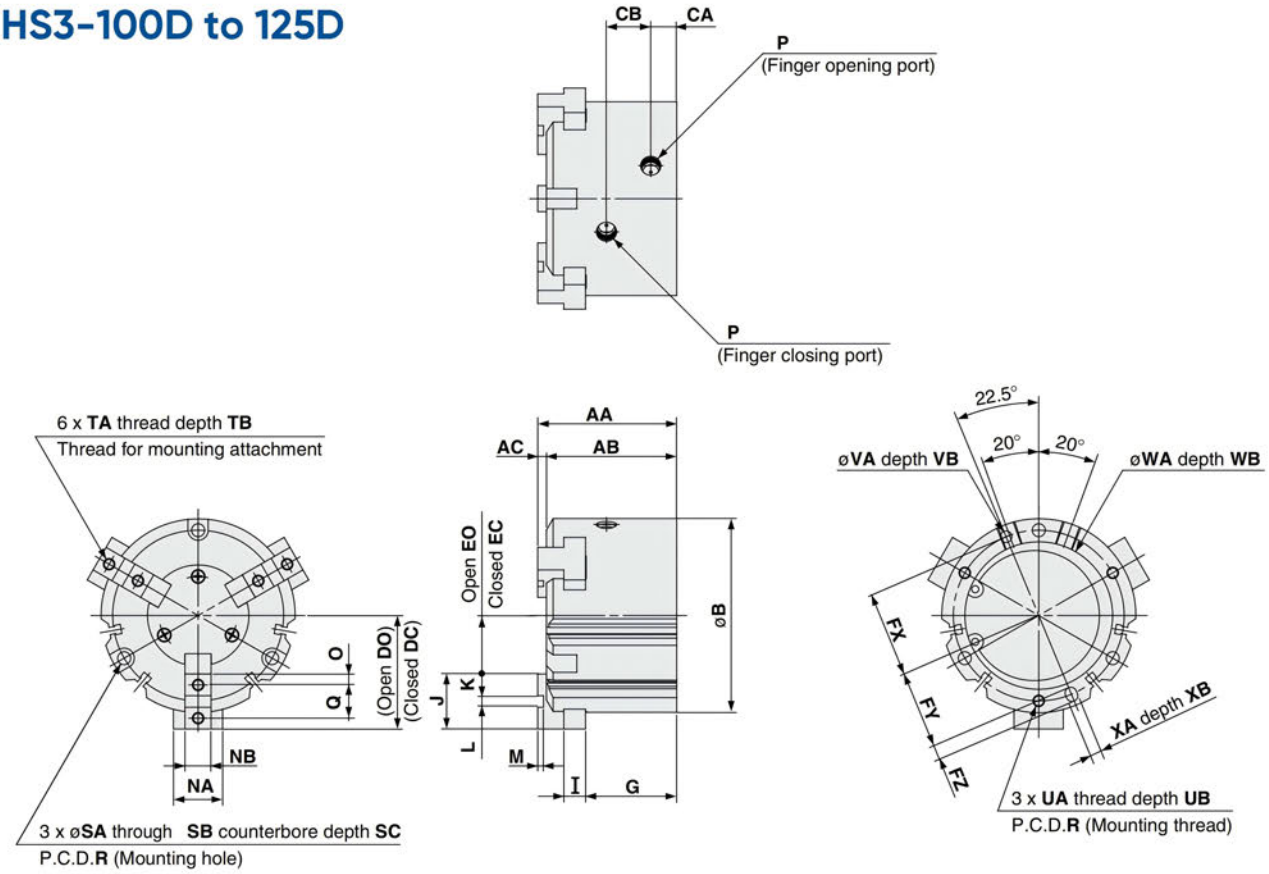
Model	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WA	WB	XA	XB	Y
MHS3-32D	4.5	M5×0.8	11	44	4.5	8	9	M4×0.7	8	M4×0.7	6	3H9	3	34H9	2	3H9	9	6
MHS3-40D	4.5	M5×0.8	12	53	5.5	9.5	9	M4×0.7	8	M5×0.8	7.5	4H9	4	42H9	2	4H9	9	8
MHS3-50D	5	M5×0.8	14	62	5.5	9.5	12	M5×0.8	10	M5×0.8	10	4H9	4	52H9	2	4H9	10	7
MHS3-63D	55	M5×0.8	17	76	6.6	11	14	M5×0.8	10	M6×1.0	9	5H9	5	65H9	2.5	5H9	11	7.5
MHS3-80D	6	G1/8	20	95	6.6	11	19	M6×1.0	12	M6×1.0	12	6H9	6	82H9	3	6H9	12	9

Return Catalog

MHS3 Series
Pneumatic Gripperr

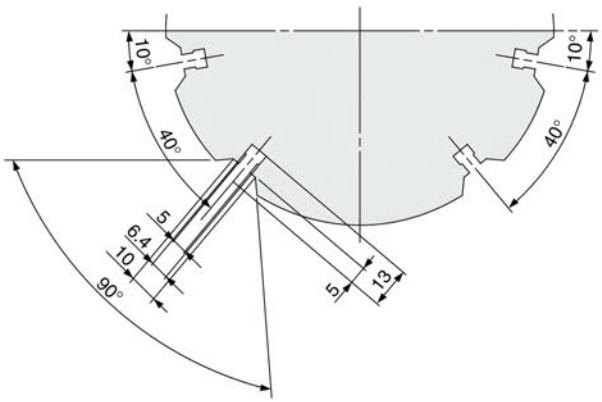
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-100D to 125D

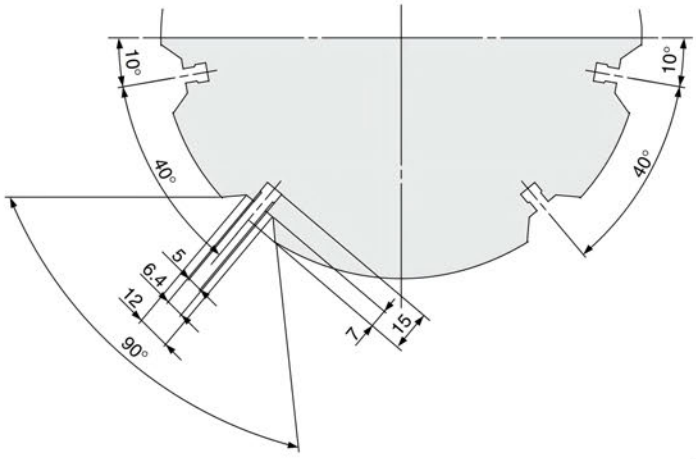


Auto switch mounting groove positions (4 locations)

MHS3-100D



MHS3-125D



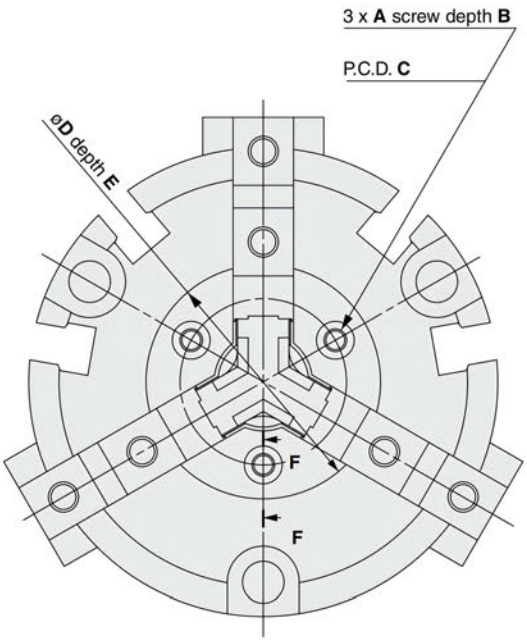
(mm)

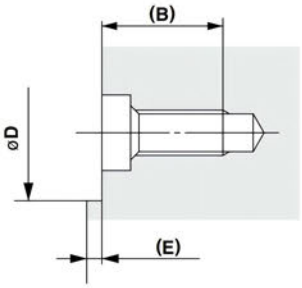
Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
MHS3-100D	96	90	6	134	18	30.6	66	78	28	40	59	54	10	63	15	38	15	8H9	4	34	18H9
MHS3-125D	122	114	8	166	23.5	38	82	98	30	46	74	68	12	84	18	52	21	10H9	6	40	22H9

Model	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WA	WB	XA	XB
MHS3-100D	7.5	G1/4	23	118	9	14	21	M8×1.25	16	M8×1.25	16	8H9	6	102H9	4	8H9	6
MHS3-125D	10.5	G3/8	31	148	11	17.5	34	M10×1.5	20	M10×1.5	20	10H9	8	130H9	6	10H9	8

Return Catalog

MHS3 Series Detailed Dimensions of Mounting Portion of End Plate





F-F

Model	A	B	C	ØD	E
MHS3-16D	M2×0.4	5.5	12.5	18H8	0.5
MHS3-20D		5.4	15	21H8	0.6
MHS3-25D			17	23H8	
MHS3-32D		5.2	21	27H8	0.8
MHS3-40D	M3×0.5	8	22	31H8	1
MHS3-50D			26	35H8	
MHS3-63D			33	42H8	
MHS3-80D	M4×0.7	9.5	40	52H8	1.5
MHS3-100D			54	70H8	
MHS3-125D			62	82H8	

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MHSL3 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Model/Specifications

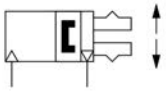


Model		MHSL3-16D	MHSL3-20D	MHSL3-25D	MHSL3-32D	MHSL3-40D	MHSL3-50D	MHSL3-63D	MHSL3-80D	MHSL3-100D	MHSL3-125D
Bore size (mm)		16	20	25	32	40	50	63	80	100	125
Fluid		Air									
Operating pressure (MPa)		0.2~0.6			0.1~0.6						
Ambient and fluid temperature (°C)		-10~60									
Repeatability(mm)		±0.01									
Max. operating frequency (c.p.m.)		120			60				30		
Lubrication		Not Required									
Action		Double Acting									
Effective gripping Force (N) at 0.5 MPa Note)	External grip	14	25	42	74	118	187	335	500	750	1270
	Internal grip	16	28	47	82	130	204	359	525	780	1320
Opening/Closing stroke (Both sides)(mm)		10	10	12	16	20	28	32	40	48	64
Weight (g)		80	135	180	370	550	930	1550	2850	5500	11300

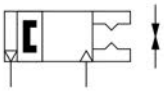
Note) Values for Ø16 to Ø25 are with gripping point L = 20 mm, for Ø32 to Ø63 with gripping point L = 30 mm, and for Ø80 to Ø125 with gripping point L = 50 mm.

Symbol

Double acting:
Internal grip



Double acting:
External grip



Made to Order
Click here for details

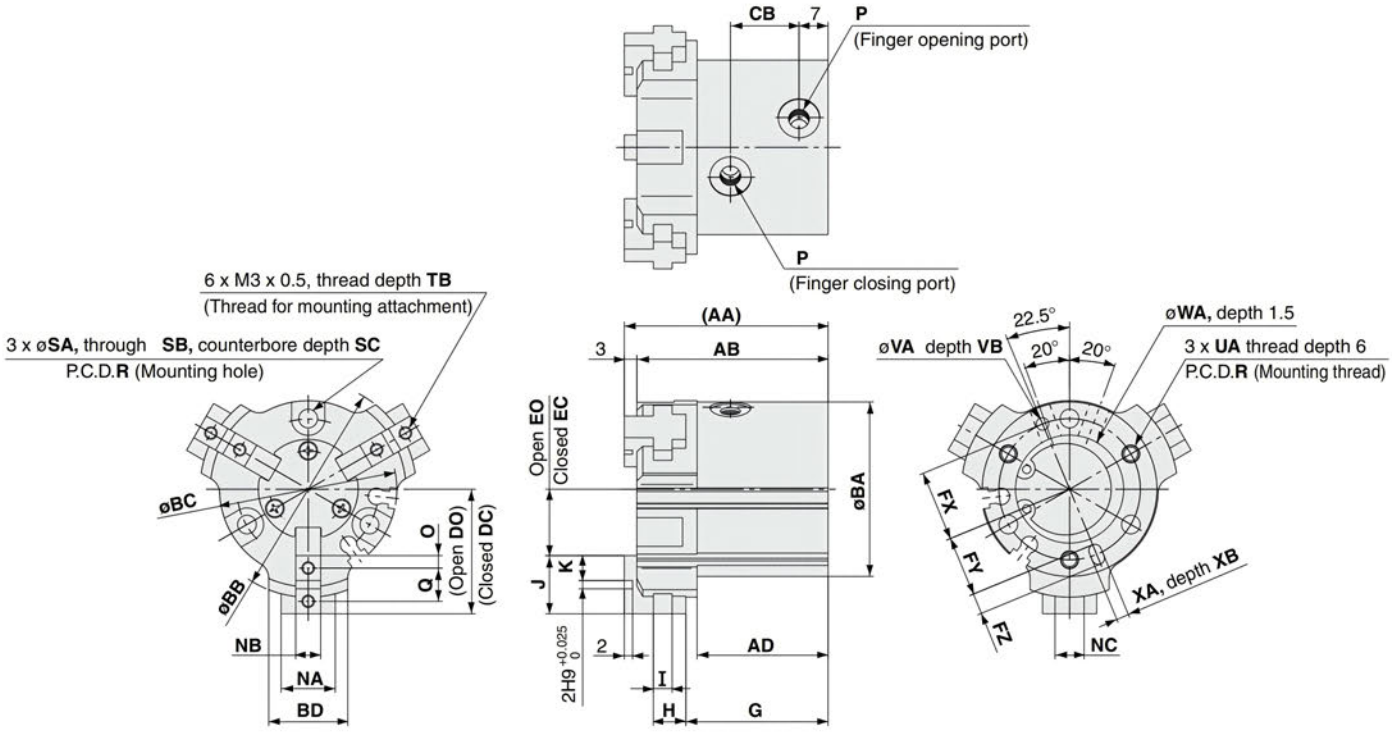
Symbol	Specifications/Description
-X4	Heat resistance(100°C)
-X5	Fluororubber seal
-X50	Without magnet
-X53	EPDM seal/Fluorine grease
-X56	Axial ported
-X63	Fluorine grease
-X79	Grease for food processing machines, Fluorine grease
-X79A	Grease for food processing machines

Return Catalog

MHSL3 Series
Pneumatic Gripperr

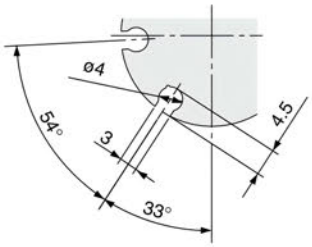
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-16D to 25D

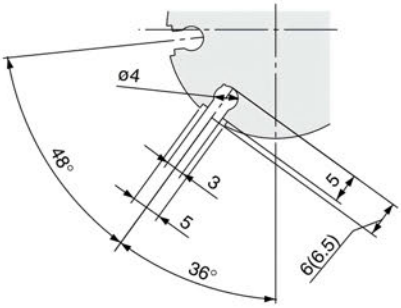


Auto switch mounting groove dimensions (2 locations)

MHSL3-16D



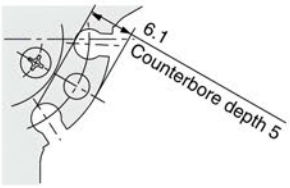
MHSL3-20D/25D



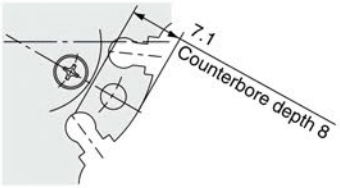
Dimensions inside ( ) are for ø25.

Mounting hole counterbore dimensions

MHSL3-16D



MHSL3-20D



Note) The counterbore configuration differs only for the mounting hole section between the auto switch mounting grooves. (ø16, ø20 only)

(mm)

Model	AA	AB	AD	BA	BB	BC	BD	CB	DO	DC	EO	EC	FX	FY	FZ	G	H	I	J	K	NA	NB
MHSL3-16D	43.5	40.5	28	30	40	30.6	12	14	23.5	18.5	13.5	8.5	12.5	11	3	30.5	7	4	10	4	8	5H9
MHSL3-20D	46	43	29	36	45	36.6	16	14	26	21	14	9	14.5	13	3	32	8	4	12	5	11	6H9
MHSL3-25D	49	46	31.5	42	52	42.6	19	16.5	30	24	16	10	17	14.5	5	34.2	7.8	4.5	14	6	13	6H9

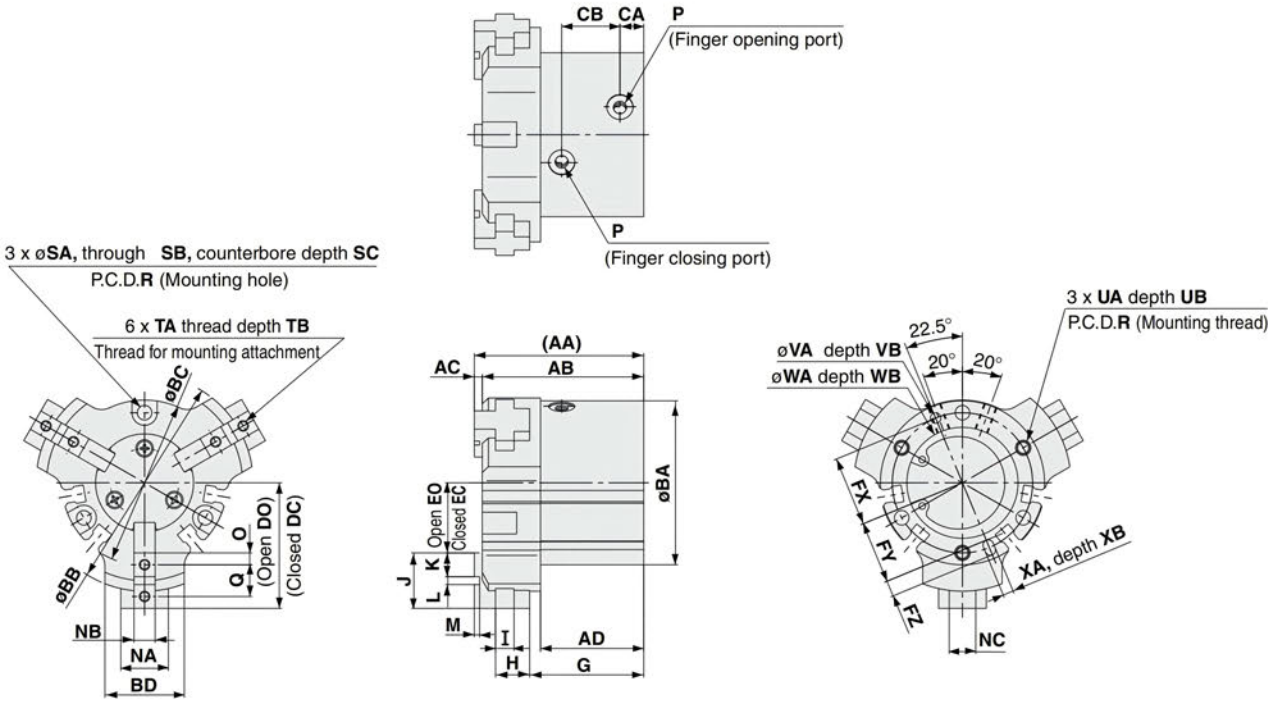
Model	NC	O	P	Q	R	SA	SB	SC	TB	UA	VA	VB	WA	XA	XB
MHSL3-16D	5	2	M3×0.5	6	25	3.4	6.5	5	5	M3×0.5	2H9	2	17H9	2H9	2
MHSL3-20D	7	2.5	M5×0.8	7	29	3.4	6.5	8	6	M3×0.5	2H9	2	21H9	2H9	2
MHSL3-25D	7	3	M5×0.8	8	34	4.5	8	8	6	M4×0.7	3H9	3	26H9	3H9	3

Return Catalog

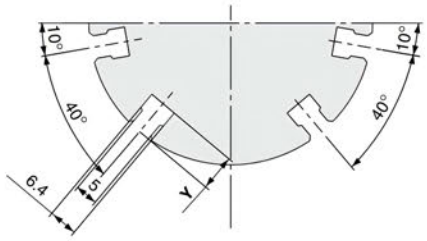
MHSL3 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-32D to 80D

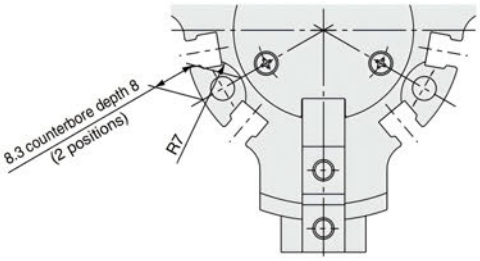


Auto switch mounting groove dimensions (4 locations)



Mounting hole counterbore dimensions

MHSL3-32D



(mm)

Model	AA	AB	AC	AD	BA	BB	BC	BD	CA	CB	DO	DC	EO	EC	FX	FY	FZ	G	H	I	J	K
MHSL3-32D	58	55	3	35.5	52	72	52.6	24	8	20	42	34	22	14	22	19.5	5	39.6	10.4	5	20	9
MHSL3-40D	64	61	3	38.5	62	82	62.6	30	9	22	47.5	37.5	26.5	16.5	26.5	23.5	6	42.5	13.5	7	21	9
MHSL3-50D	77.5	74.5	3	46.5	70	104	70.6	32	9	29	60	46	36	22	31	28	6	51.3	17.7	8	24	10
MHSL3-63D	89	85	5	51	86	120	86.6	40	12	30.5	70	54	42	26	38	34.5	7	58.5	19.5	10	28	11
MHSL3-80D	116	111	5	70	106	140	106.6	50	14	37.5	80.5	60.5	48.5	28.5	47.5	43.5	8	78.5	23.5	11	32	12

Model	L	M	NA	NB	NC	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB
MHSL3-32D	2H9	2	16	8H9	10	4.5	M5×0.8	11	44	4.5	8	8	M4×0.7	8	M4×0.7	6	3H9	3
MHSL3-40D	3H9	2	18	8H9	10	4.5	M5×0.8	12	53	5.5	9.5	11	M4×0.7	8	M5×0.8	10	4H9	4
MHSL3-50D	4H9	2	20	10H9	12	5	M5×0.8	14	62	5.5	9.5	14.5	M5×0.8	10	M5×0.8	10	4H9	4
MHSL3-63D	6H9	3	26	12H9	14	5.5	M5×0.8	17	76	6.6	11	17	M5×0.8	10	M6×1.0	12	5H9	5
MHSL3-80D	8H9	4	30	14H9	16	6	G1/8	20	95	6.6	11	23	M6×1.0	12	M6×1.0	12	6H9	6

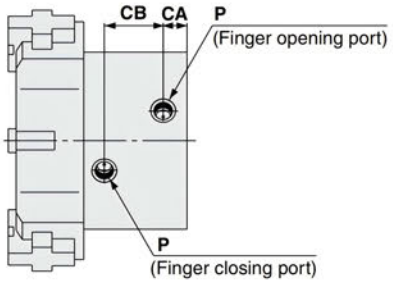
Model	WA	WB	XA	XB	Y
MHSL3-32D	34H9	2	3H9	3	6
MHSL3-40D	42H9	2	4H9	4	8
MHSL3-50D	52H9	2	4H9	4	7
MHSL3-63D	65H9	2.5	5H9	5	7.5
MHSL3-80D	82H9	3	6H9	6	9

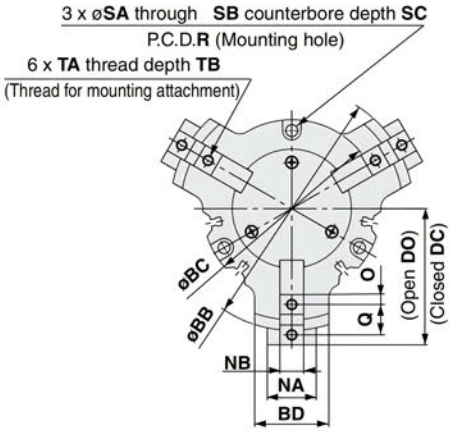
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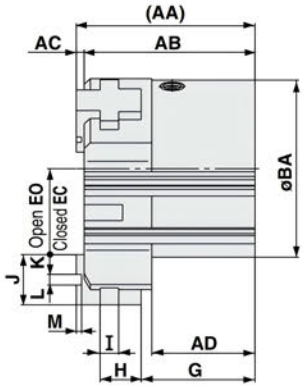
MHSL3 Series
Pneumatic Gripperr

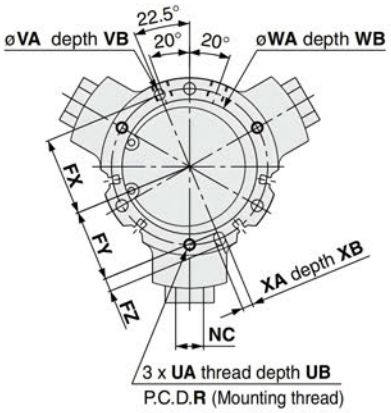
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-100D to 125D

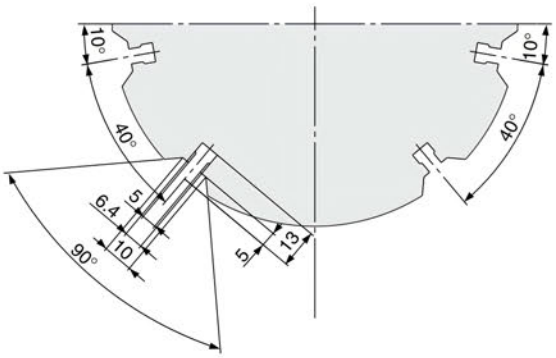




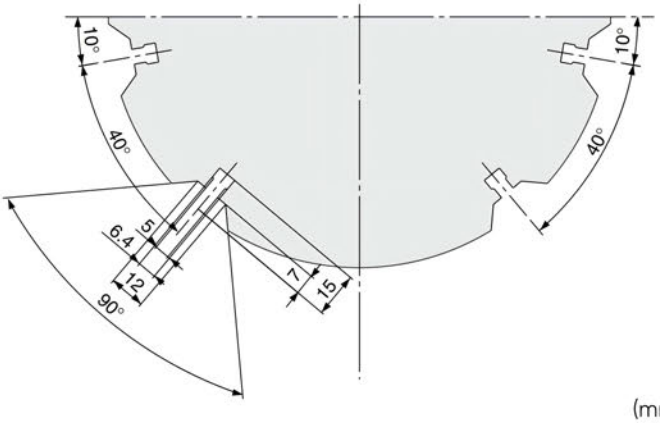




MHSL3-100D



MHSL3-125D



(mm)

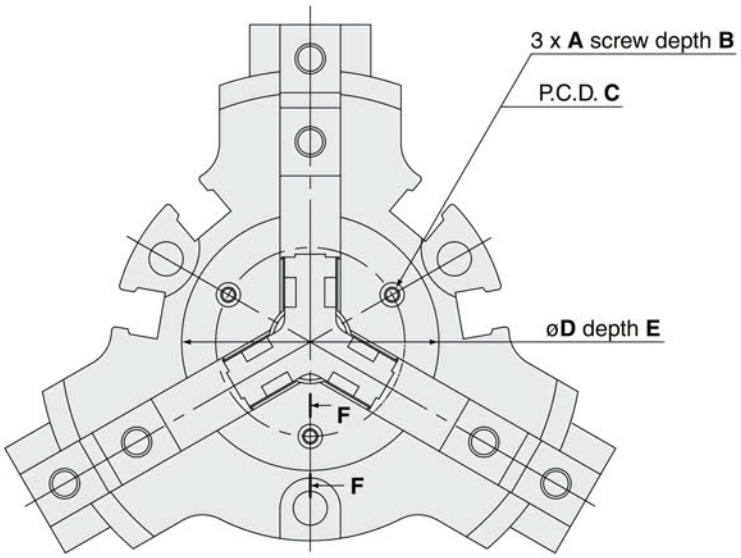
Model	AA	AB	AC	AD	BA	BB	BC	BD	CA	CB	DO	DC	EO	EC	FX	FY	FZ	G	H	I	J	K
MHSL3-100D	135	129	6	78	134	184	134.6	56	18	44.5	103	79	65	41	59	54	10	86	31	14	38	15
MHSL3-125D	175	167	8	102	166	234	166.6	66	24	54	132	100	80	48	74	68	12	112	43	17	52	21

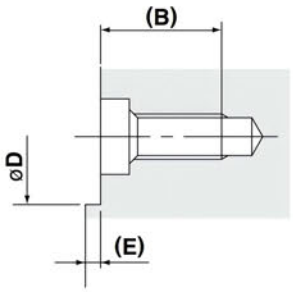
Model	L	M	NA	NB	NC	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB
MHSL3-100D	8H9	4	37	18H9	21	7.5	G1/4	23	118	9	14	31	M8×1.25	16	M8×1.25	16	8H9	6
MHSL3-125D	10H9	6	43	22H9	25	10.5	G3/8	31	148	11	17.5	32	M10×1.5	20	M10×1.5	20	10H9	8

Model	WA	WB	XA	XB
MHSL3-100D	6	102H9	8H9	6
MHSL3-125D	8	130H9	10H9	8

Return Catalog

MHS3 Series Detailed Dimensions of Mounting Portion of End Plate





F-F

(mm)

Model	A	B	C	ØD	E
MHSL3-16D	M2×0.4	5.5	12.5	18H8	0.5
MHSL3-20D		5.4	16	21.5H8	0.6
MHSL3-25D			18.5	24H8	
MHSL3-32D		5.2	25	34H8	0.8
MHSL3-40D	M3×0.5	8	27	37H8	1
MHSL3-50D			35	44H8	
MHSL3-63D			44	56H8	
MHSL3-80D	M4×0.7	9.5	54	70H8	1.5
MHSL3-100D			70	90H8	
MHSL3-125D			80	110H8	

Return Catalog

MHS4 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Model/Specifications

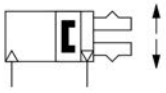


Model		MHS4-16D	MHS4-20D	MHS4-25D	MHS4-32D	MHS4-40D	MHS4-50D	MHS4-63D
Bore size (mm)		16	20	25	32	40	50	63
Fluid		Air						
Operating pressure (MPa)		0.2~0.6			0.1~0.6			
Ambient and fluid temperature (°C)		-10~60						
Repeatability(mm)		±0.01						
Max. operating frequency (c.p.m.)		120			60			
Lubrication		Not Required						
Action		Double Acting						
Effective gripping Force (N) at 0.5 MPa Note)	External grip	10	19	31	55	88	140	251
	Internal grip	12	21	35	61	97	153	268
Opening/Closing stroke (Both sides)(mm)		4	4	6	8	8	12	16
Weight (g)		66	110	154	300	390	590	1095

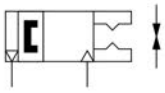
Note) Values for Ø16 to Ø25 are with gripping point L = 20 mm, and for Ø32 to Ø63 with gripping point L = 30 mm.

Symbol

Double acting:
Internal grip



Double acting:
External grip



Made to Order
Click here for details

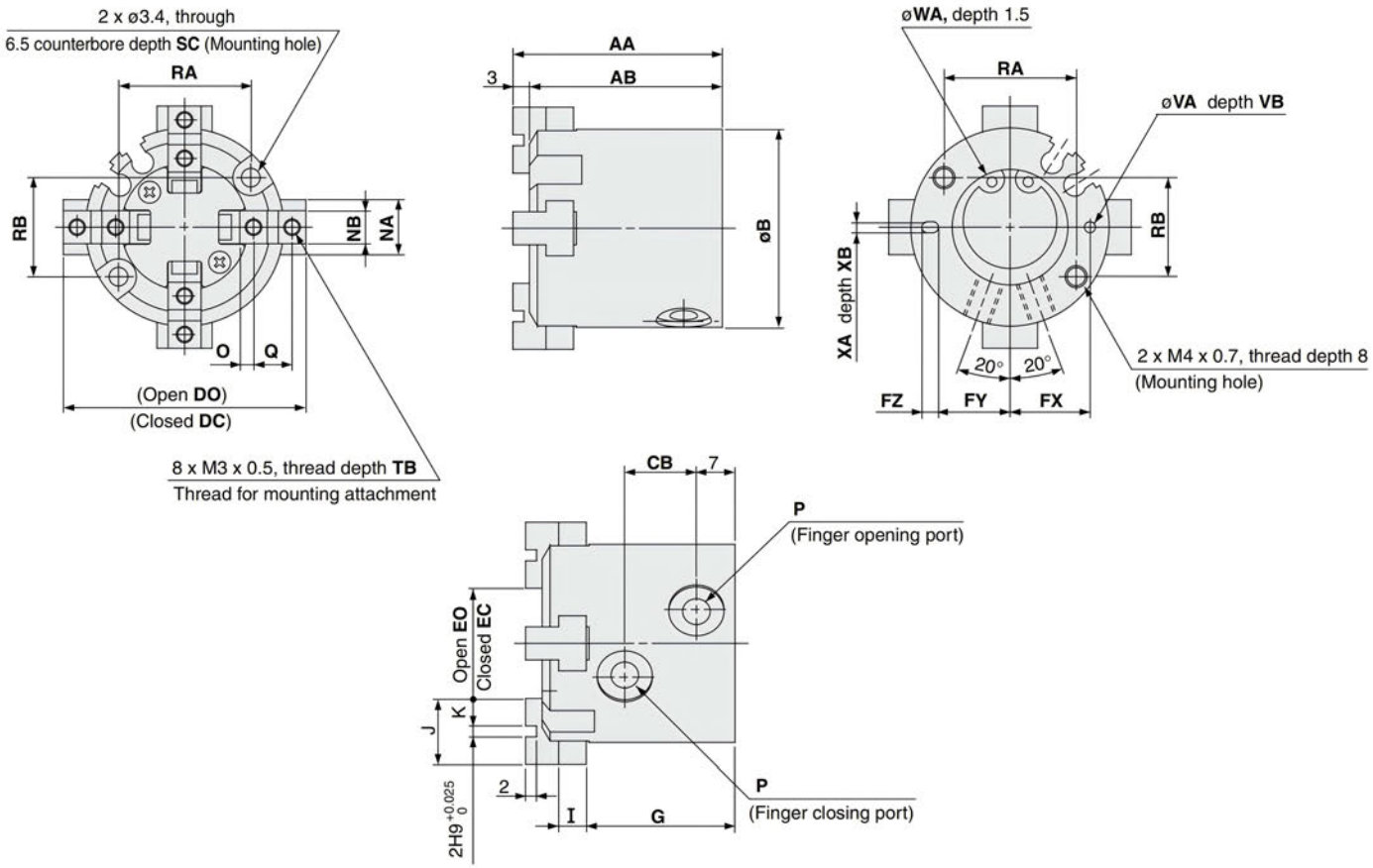
Symbol	Specifications/Description
-X4	Heat resistance(100°C)
-X5	Fluororubber seal
-X50	Without magnet
-X53	EPDM seal/Fluorine grease
-X56	Axial ported
-X63	Fluorine grease
-X79	Grease for food processing machines, Fluorine grease
-X79A	Grease for food processing machines

Return Catalog

MHS4 Series
Pneumatic Gripperr

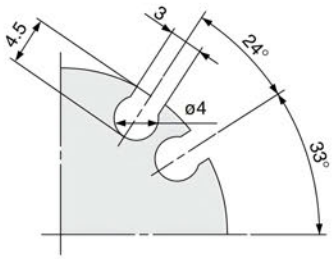
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-16D to 25D

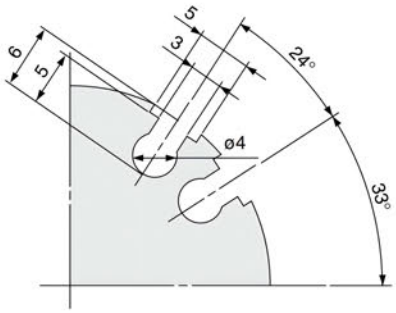


Auto switch mounting groove dimensions (2 locations)

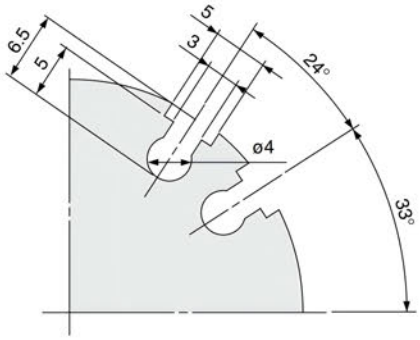
MHS4-16D



MHS4-20D



MHS4-25D



(mm)

Model	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q
MHS4-16D	35	32	30	11	33	37	13	17	12.5	11	3	25	4	10	4	8	5h9	2	M3×0.5	6
MHS4-20D	38	35	36	13	39	43	15	19	14.5	13	3	27	5	12	5	10	6h9	2.5	M5×0.8	7
MHS4-25D	40	37	42	15	48	54	20	26	17	14.5	5	28	5	14	6	12	6h9	3	M5×0.8	8

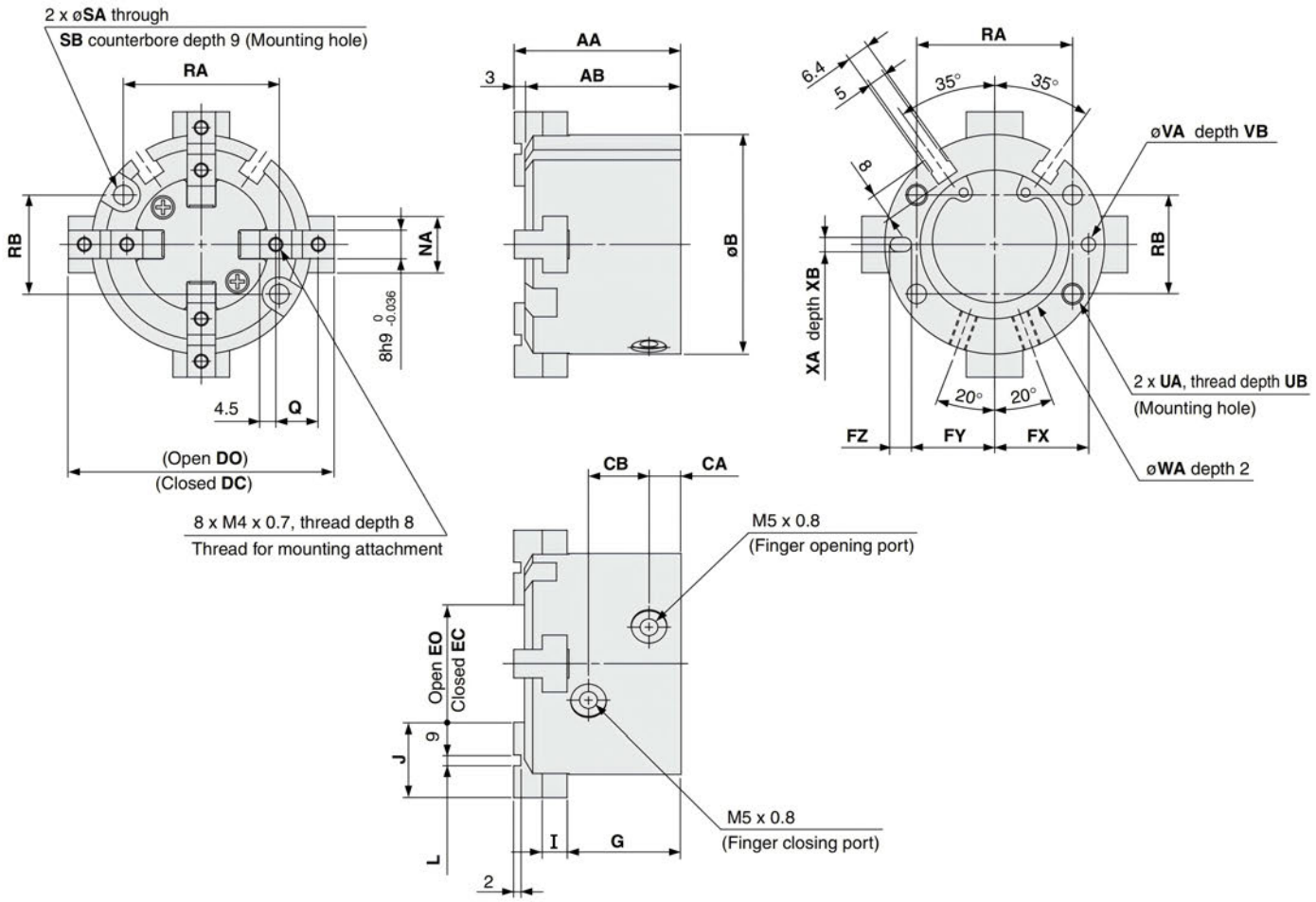
Model	RA	RB	SC	TB	VA	VB	WA	XA	XB
MHS3-16D	18	16	8	5	2H9	2	17H9	2H9	2
MHS3-20D	24	18	9.5	6	2H9	2	21H9	2H9	2
MHS3-25D	26	22	10	6	3H9	3	26H9	3H9	3

Return Catalog

MHS4 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-32D/40D



(mm)

Model	AA	AB	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	L	NA	Q	RA	RB	SA
MHS4-32D	44	41	56	8	16	60	68	20	28	23	20.5	5	30.5	6	20	2H9	14	11	38	25	4.5
MHS4-40D	47	44	62	9	17	66	74	24	32	26.5	23.5	6	32	7	21	3H9	16	12	44	28	5.5

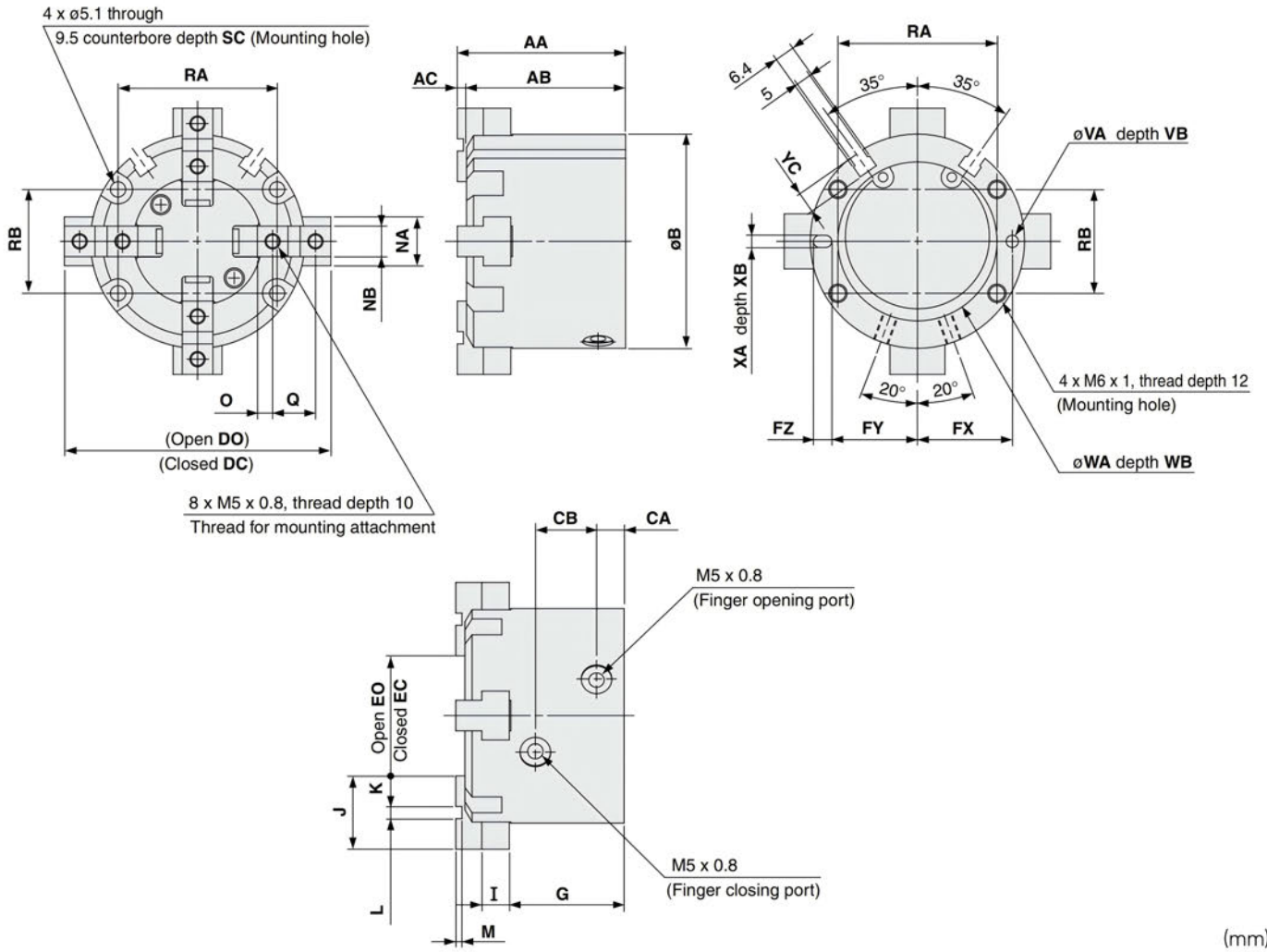
Model	SB	UA	UB	VA	VB	WA	XA	XB
MHS3-32D	8	M5×0.8	10	3H9	3	34H9	3H9	3
MHS3-40D	9.5	M6×1.0	12	4H9	4	42H9	4H9	4

Return Catalog

MHS4 Series
Pneumatic Gripperr

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

MHS3-50D/63D

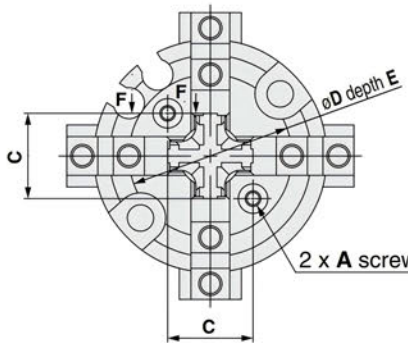


(mm)

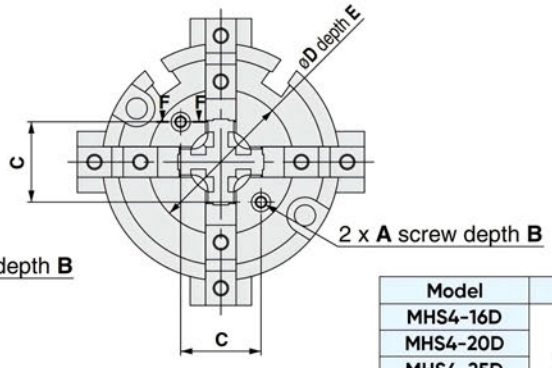
Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
MHS4-50D	55	52	3	70	9	20	74	86	26	38	31	28	6	37.5	9	24	10	4H9	2	18	10H9
MHS4-63D	66	62	4	86	12	22	91	107	35	51	38	34.5	7	44	11	28	11	6H9	3	24	12H9

Model	O	Q	RA	RB	SC	VA	VB	WA	WB	XA	XB	YC
MHS3-50D	5	14	52	34	12	4H9	4	52H9	2	4H9	4	7
MHS3-63D	5.5	17	66	38	14	5H9	5	65H9	2.5	5H9	5	7.5

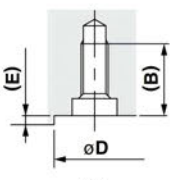
MHS4 Series Detailed Dimensions of Mounting Portion of End Plate



ø16 to ø25



ø32 to ø63



F-F

Model	A	B	C	ØD	E
MHS4-16D	M2×0.4	5.4	11	21	0.5
MHS4-20D			13	24	0.6
MHS4-25D			15	27	
MHS4-32D		5.2	18	32	0.8
MHS4-40D	M3×0.5	8	21	38	1
MHS4-50D			24	42	
MHS4-63D			32	54	

Return Catalog

RY3B Series

Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Basic Type

RY3 B 25 □ – 300

Basic type

Bore size

6	6mm
10	10mm
15	15mm
20	20mm
25	25mm
32	32mm
40	40mm
50	50mm
63	63mm

Port thread type

Symbol	Type	Bore size
Nil	M thread	6 / 10 / 15
	Rc	
TN	NPT	20 / 25 / 32 / 40 50 / 63
TF	G	

Standard stroke

Refer to the standard stroke table shown below.



Standard Stroke

Bore size(mm)	Standard Stroke(mm)	Maximum available stroke (mm)
6	50 / 100 / 150 / 200	300
10	50 / 100 / 150 / 200 / 250 / 300	500
15	50 / 100 / 150 / 200 / 250 / 300 / 350 / 400 / 450 / 500	1000
20	100 / 150 / 200 / 250 / 300 / 350 / 400 / 450 / 500 / 600 700 / 800	1500
25		3000
32		
40	100 / 150 / 200 / 250 / 300 / 350 / 400 / 450 / 500 / 600 700 / 800	3000
50		5000
63		

Note 1) Long stroke type (XB11) applies to the strokes exceeding 2000 mm.
Note 2) The longer the stroke, the larger the amount of deflection in a cylinder tube. Pay attention to the mountingbracket and clearance value.
Note 3)Intermediate stroke is available in 1 mm increments.

Return Catalog

RY3B Series

Magnetically Coupled Rodless Cylinder

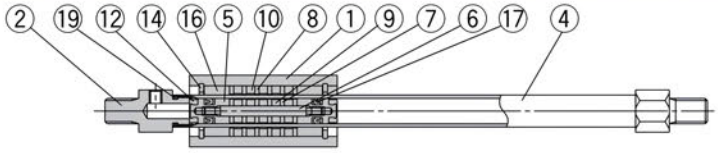
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

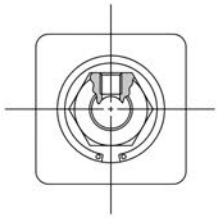
Construction

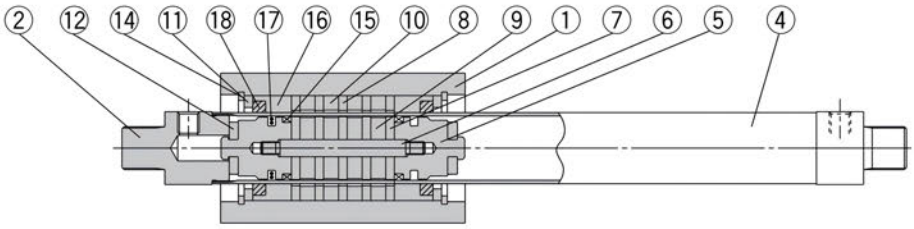
RY3B 6





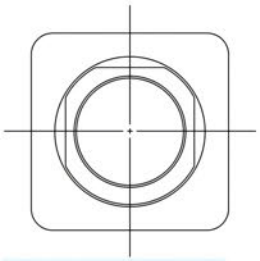
RY3B 10 to 15

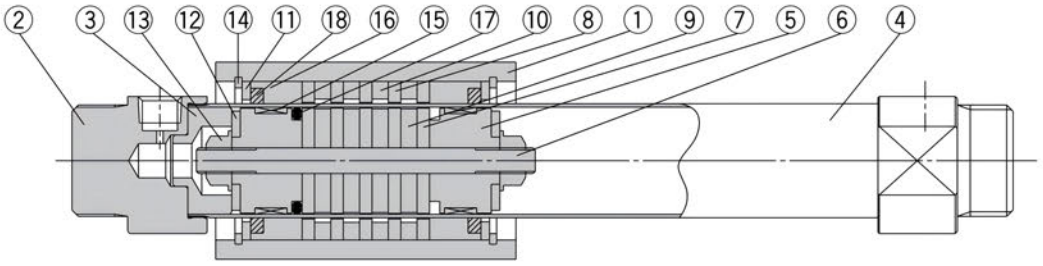




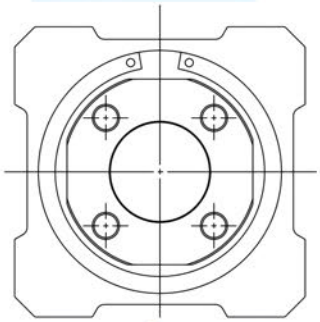
* The above drawing is ø15. (3 magnets are used in ø10.)

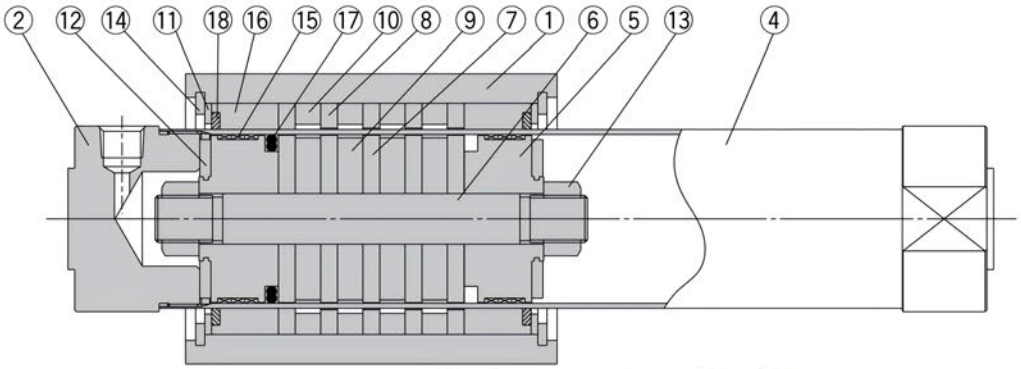
RY3B 20 to 45





RY3B 50 to 63





Componnet Parts

No.	Description	Material		Note	
1	Body	Aluminum alloy		Hard anodized	
2	Head cover	Ø6,Ø10	Brass		
		Ø15 to Ø63	Aluminum alloy		
3	End collar	Aluminum alloy		Ø20 to Ø40 only	
4	Cylinder tube	Stainless steel			
5	Piston	Ø6	Brass	Ø6	Electroless Ni plated
		Ø10 to Ø63	Aluminum alloy	Ø10 to Ø63	Chromated
6	Shaft	Stainless steel			
7	Piston side yoke	Rolled steel		Zinc chromated	
8	External slider side yoke	Rolled steel		Zinc chromated	
9	Magnet A	-			
10	Magnet B	-			
11	Spacer	Aluminum alloy		Ø6: not available	
12	Bumper	Urethane rubber			
13	Piston nut13	Carbon steel		Ø6 to Ø15: not available	
14	C type retaining ring for hole	Carbon tool steel		Phosphate coated	
15	Wear ring A	Special resin			
16	Wear ring B	Special resin			
17	Piston seal	NBR			
18	Lube -retainer	Special resin		Ø6: not available	
19	Cylinder tube gasket	NBR		Ø6, Ø10 only	

Replacement Parts/Seal Kit

Bore size(mm)	Kit no.	Contents
6	RY3B 6-PS	Set of nos. above ⑯,⑰,⑲
10	RY3B 10-PS	Set of nos. above ⑯,⑰,⑱,⑲
15	RY3B 15-PS	Set of nos. above ⑮,⑯,⑰,⑱
20	RY3B 20-PS	
25	RY3B 25-PS	
32	RY3B 32-PS	
40	RY3B 40-PS	
50	RY3B 50-PS	
63	RY3B 63-PS	

Note 1) Seal kits are sets consisting of numbers 15 through 19. Order using the kit number corresponding to each bore size.

Note 2) Adhesive glue is applied to the thread fixed section of the head cover and cylinder tube. Contact VILOP if the head cover removal is difficult.

Note 3) For replacement of the Ø10 wear ring A, contact VILOP or your near-est sales representative.

* Seal kit includes a grease pack (Ø6, Ø10:5 and 10g, Ø15 to Ø63:10g). Order with the following part number when only the grease pack is needed.

Grease pack part number for Ø6, Ø10:GR-F-005 (5g) For external sliding sections
GR-S-010 (10 g) For tubing interior

Grease pack part number for Ø15 to Ø63: GR-S-010 (10g)

Return Catalog

RY3B Series

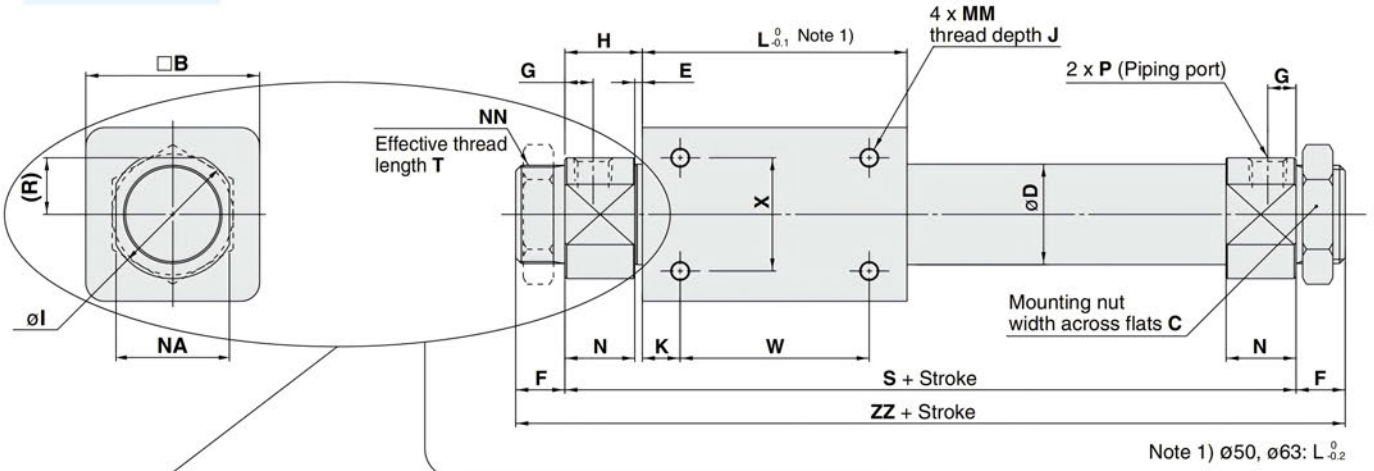
Magnetically Coupled Rodless Cylinder

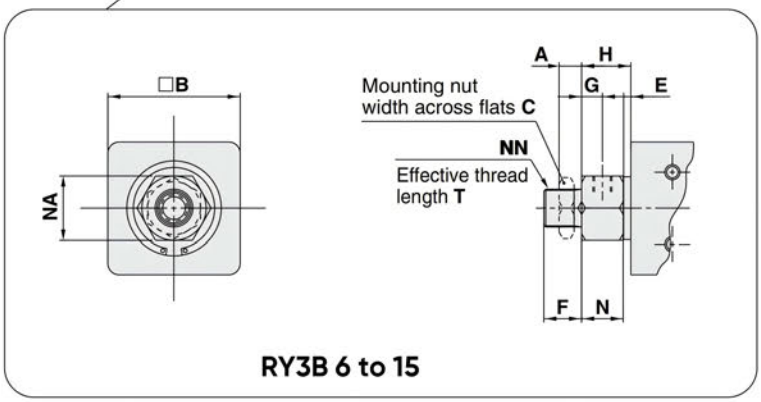
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

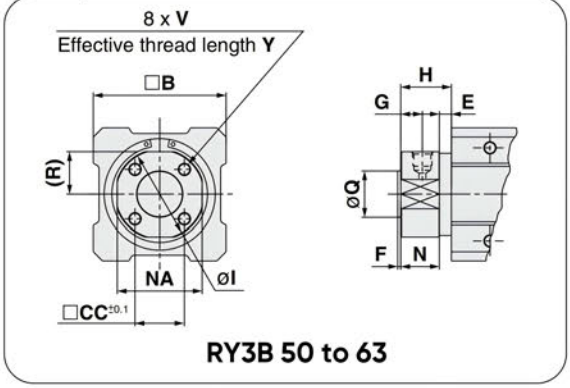
Dimensions

RY3B 6 to 63





RY3B 6 to 15



RY3B 50 to 63

(mm)

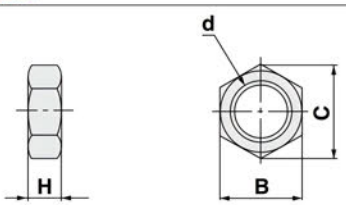
Model	A	B	C	CC	D	E	F	G	H	I	J	K	L	M	N	NA	NN	Q	R	S	T	V
RY3B 6-PS	4	17	8*	-	7.6	4	8*	5	13.5*	-	4.5	5	35	M3×0.5	9.5*	10*	M6×1.0	-	-	62*	6.5	-
RY3B 10-PS	4	25	14	-	12	1.5	9	5	12.5	-	4.5	4	38	M3×0.5	11	14	M10×1.0	-	-	63	7.5	-
RY3B 15-PS	4	35	14	-	16.6*	2	10	5.5	13	-	6	11	57	M4×0.7	11	17	M10×1.0	-	-	83	8	-
RY3B 20-PS	8	36	26	-	21.6*	2*	13	7.5*	20	28	6	8	66	M4×0.7	18*	24	M20×1.5	-	12*	106	10	-
RY3B 25-PS	8	46	32	-	26.4*	2*	13	7.5*	20.5	34	8	10	70	M5×0.8	18.5*	30	M26×1.5	-	15*	111	10	-
RY3B 32-PS	8	60	32	-	33.6*	2*	16	8*	22	40	8	15	80	M6×1.0	20*	36	M26×1.5	-	18*	124	13	-
RY3B 40-PS	10	70	41	-	41.6*	3*	16	11	29	50	10	16	92	M6×1.0	26*	46	M32×2	-	23*	150	13	-
RY3B 50-PS	-	86	-	32	52.4*	8	2	14	33	58*	12	25	110	M8×1.25	25	55	-	30	27.5*	176	-	M8×1.25
RY3B 63-PS	-	100	-	38	65.4*	8	2	14	33	72*	12	26	122	M8×1.25	25	69	-	32	34.5*	188	-	M10×1.5

Model	W	X	Y	ZZ	P(Piping port)		
					Nil	TN*	TF*
RY3B 6-PS	25	10	-	78*	M3×0.5*	-	-
RY3B 10-PS	30	16	-	81	M5×0.8*	-	-
RY3B 15-PS	35	19	-	103	M5×0.8*	-	-
RY3B 20-PS	50	25	-	132	Rc 1/8	NPT 1/8	G 1/8
RY3B 25-PS	50	30	-	137	Rc 1/8	NPT 1/8	G 1/8
RY3B 32-PS	50	40	-	156	Rc 1/8	NPT 1/8	G 1/8
RY3B 40-PS	60	40	-	182	Rc 1/4	NPT 1/4	G 1/4
RY3B 50-PS	60	60	16	180	Rc 1/4	NPT 1/4	G 1/4
RY3B 63-PS	70	70	16	192	Rc 1/4	NPT 1/4	G 1/4

Note 2) The astrisk denotes the dimensions which are different from the RY1B series.

Note 3) Mounting nuts can be screwed on only for the effective thread length of the head cover (T dimension). When mounting acylinder, consider the thickness of flange, etc.

Mounting Nut



Part no.	Applicable bore size (mm)	D	H	B	C
SNJ-006B	6	M6×1.0	4	8	9.2
SNJ-016B	10,15	M10×1.0	4	14	16.2
SNJ-020B	20	M20×1.5	8	26	30
SNJ-032B	25,32	M26×1.5	8	32	37
SNJ-040B	40	M32×2.0	10	41	47.5

Note) Mounting nuts are not available for Ø50 and Ø63

Return Catalog

RY3R Series

Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Ordering Code

RY3R	25	300
Type	Bore size	Cylinder Stroke (mm)
	6 / 10	Please consult customer service
	15 / 20	
	25 / 32	
	40 / 50	
	63	



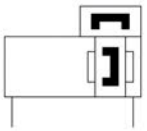
Specification

Bora Size (mm)	6	10	15	20	25	32	40	50	63
Fluid	Air								
Proof pressure	1.05 Mpa								
Max. operating pressure	0.7 MPa								
Min. operating pressure	0.16	0.16	0.16	0.16	0.15	0.14	0.12	0.12	0.12
Ambient and fluid temperature	-10 to 60°C (No freezing								
Piston speed	50 to 500 mm/s								
Cushion	Rubber bumper								
Lubrication	Not required (Non-lube)								
Stroke length tolerance (mm)	0 to 250 st: +1.0,251 to 1000 st:+1.4,1001 st to: +1.8								
Mounting	Direct mount type								
Mounting orientation	Horizontal, inclined, Vertical Note 2)								
Magnet holding force(N)	19.6	53.9	137	231	363	588	922	1471	2256

Note 1) When an auto switch is installed at an intermediate position of a type with auto switch, keep the maximumpiston speed at 300 mm/s or below to ensure operation of relays or other devices.

Note 2) When vertically mounting, it is impossible to perform an intermediate stop by means of a pneumatic circuit.

Symbol



Weight

Unit:kg

Bore size (mm)		6	10	15	20	25	32	40	50	63
Basic weight (at 0 st)	With switch rail	0.086	0.111	0.272	0.421	0.622	1.217	1.98	3.54	5.38
	Without switch rail	0.069	0.08	0.225	0.351	0.542	1.097	1.82	3.25	5.03
Additional weight per 50 mm	With switch rail	0.016	0.034	0.040	0.051	0.056	0.076	0.093	0.159	0.188
of stroke	Without switch rail	0.004	0.014	0.015	0.020	0.023	0.033	0.040	0.077	0.096

Calculation method/Example: RY3R25-500(with switch rail) Basic weight ...10.622 (kg), Additional weight...0.056 (kg/50 st), Cylinder stroke...500 (st)
0.622+0.056x500+50=1.182 (kg)

Return Catalog

RY3R Series

Magnetically Coupled Rodless Cylinder

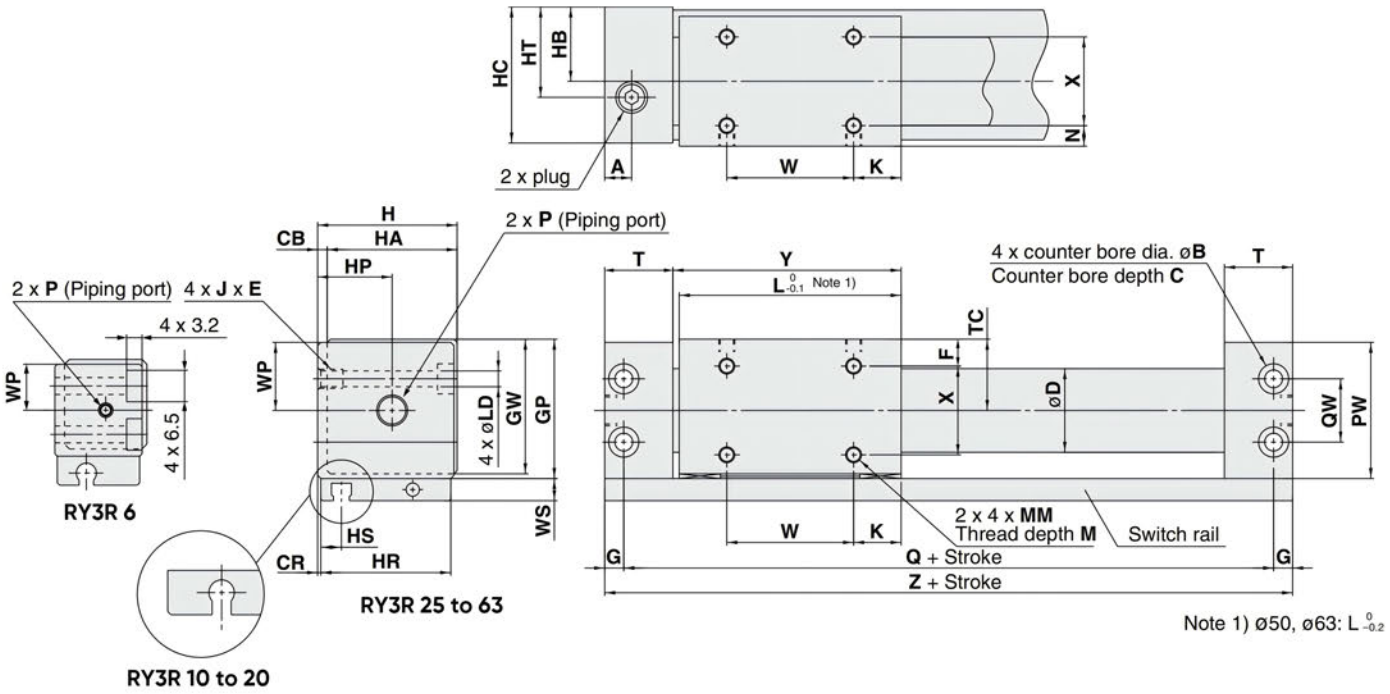
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Dimensions

Both sides piping type: Ø6 to Ø63

Note) This figure shows types with switch rail (Nil)



Note 1) ø50, ø63: L $^{0}_{-0.2}$

Model	A	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J×E	K
CY3R 6	7*	-*	-*	2	0.5	7.6	5.5	3*	20	18.5	19	17	10.5	18	10.5*	17	6	10.5*	M4×0.7×6	7
CY3R 10	9	6.5	3.2	2	0.5	12	6.5	4	27	25.5	26	24	14	25	14	24	5	14	M4×0.7×6	9
CY3R 15	10.5	8	4.2	2	0.5	16.6*	8	5	33	31.5	32	30	17	31	17	30	8.5	17	M5×0.8×7	14
CY3R 20	9	9.5	5.2	3	1	21.6*	9	6	39	37.5	39	36	21	38	24	36	7.5	24	M6×1×8	11
CY3R 25	8.5	9.5	5.2	3	1	26.4*	8.5	6	44	42.5	44	41	23.5	43	23.5	41	6.5	23.5	M6×1×8	15
CY3R 32	10.5	11	6.5	3	1.5	33.6*	10.5	7	55	53.5	55	52	29	54	29	51	7	29	M8×1.25×10	13
CY3R 40	10	11	6.5	5	2	41.6*	13	7	65	63.5	67	62	36	66	36	62	8	36	M8×1.25×10	15
CY3R 50	14	14	8.2	5	2	52.4*	17	8.5	83	81.5	85	80	45	84	45	80	9	45	M10×1.5×15	25
CY3R 63	15	14	8.2	5	3	65.4*	18	8.5	95	93.5	97	92	51	96	51	90	9.5	51	M10×1.5×15	24

Model	L	LD	M	MM	N	PW	Q	QW	T	TC	W	WP	WS	X	Y	Z
CY3R 6	34	3.5	3.5	M3×0.5	3.5	19	60*	10	14.5*	10.5	20	9.5	6	10	35.5	66*
CY3R 10	38	3.5	4	M3×0.5	4.5	26	68	14	17.5	14	20	13	8	15	39.5	76
CY3R 15	53	4.3	5	M4×0.7	6	32	84	18	19	17	25	16	7	18	54.5	94
CY3R 20	62	5.4	5	M4×0.7	7	38	95	17	20.5	20	40	19	7	22	64	107
CY3R 25	70	5.4	6	M5×0.8	6.5	43	105	20	21.5	22.5	40	21.5	7	28	72	117
CY3R 32	76	7	7	M6×1	8.5	54	116	26	24	28	50	27	7	35	79	130
CY3R 40	90	7	8	M6×1	11	64	134	34	26	33	60	32	7	40	93	148
CY3R 50	110	8.6	10	M8×1.25	15	82	159	48	30	42	60	41	10	50	113	176
CY3R 63	118	8.6	10	M8×1.25	16	94	171	60	32	48	70	47	10	60	121	188

Model	P(Ping Port)		
	Nil	TN*	TF*
CY3R 6	M3×0.5*	-	-
CY3R 10	M5×0.8	-	-
CY3R 15	M5×0.8	-	-
CY3R 20	Rc 1/8	NPT 1/8	G 1/8
CY3R 25	Rc 1/8	NPT 1/8	G 1/8
CY3R 32	Rc 1/8	NPT 1/8	G 1/8
CY3R 40	Rc 1/4	NPT 1/4	G 1/4
CY3R 50	Rc 1/4	NPT 1/4	G 1/4
CY3R 63	Rc 1/4	NPT 1/4	G 1/4

Note 2) The astrisk denotes the dimensions which are different from the RY1R series.

Return Catalog

RY3R Series

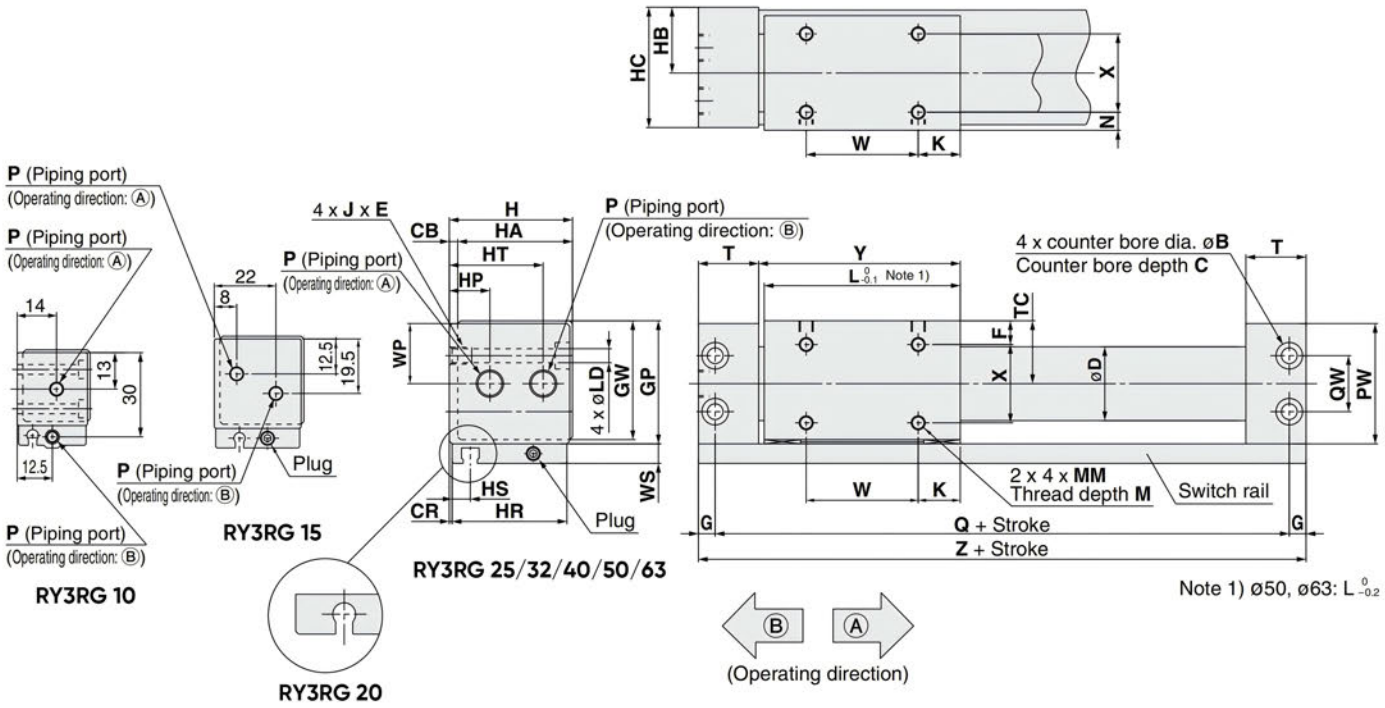
Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Dimensions

Centralized piping type: Ø10 to Ø63



Model	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J×E	K
CY3RG 10	6.5	3.2	2	0.5	12	6.5	4	27	25.5	26	24	14	25	-	24	5	-	M4×0.7×6	9
CY3RG 15	8	4.2	2	0.5	16.6*	8	5	33	31.5	32	30	17	31	-	30	8.5	-	M5×0.8×7	14
CY3RG 20	9.5	4.2	3	1	21.6*	9	6	39	37.5	39	36	21	38	11	36	7.5	28	M6×1×8	11
CY3RG 25	9.5	5.2	3	1	26.4*	8.5	6	44	42.5	44	41	23.5	43	14.5	41	6.5	33.5	M6×1×8	15
CY3RG 32	11	6.5	3	1.5	26.4*	10.5	7	55	53.5	55	52	29	54	20	51	7	41	M8×1.25×10	13
CY3RG 40	11	6.5	5	2	41.6*	13	7	65	63.5	67	62	36	66	25	62	8	50	M8×1.25×10	15
CY3RG 50	14	8.2	5	2	52.4*	17	8.5	83	81.5	85	80	45	84	32	80	9	56	M10×1.5×15	25
CY3RG 63	14	8.2	5	3	65.4*	18	8.5	95	93.5	97	92	51	96	35	90	9.5	63.5	M10×1.5×15	24

Model	L	LD	M	MM	N	PW	Q	QW	T	TC	W	WP	WS	X	Y	Z
CY3RG 10	38	3.5	4	M3×0.5	4.5	26	68	14	17.5	14	20	13	8	15	39.5	76
CY3RG 15	53	4.3	5	M4×0.7	6	32	84	18	19	17	25	16	7	18	54.5	94
CY3RG 20	62	5.4	5	M4×0.7	7	38	95	17	20.5	20	40	19	7	22	64	107
CY3RG 25	70	5.4	6	M5×0.8	6.5	43	105	20	21.5	22.5	40	21.5	7	28	72	117
CY3RG 32	76	7	7	M6×1	8.5	54	116	26	24	28	50	27	7	35	79	130
CY3RG 40	90	7	8	M6×1	11	64	134	34	26	33	60	32	7	40	93	148
CY3RG 50	110	8.6	10	M8×1.25	15	82	159	48	30	42	60	41	10	50	113	176
CY3RG 63	118	8.6	10	M8×1.25	16	94	171	60	32	48	70	47	10	60	121	188

Model	P(Ping Port)		
	Nil	TN*	TF*
CY3RG 10	M5×0.8	-	-
CY3RG 15	M5×0.8	-	-
CY3RG 20	Rc 1/8	NPT 1/8	G 1/8
CY3RG 25	Rc 1/8	NPT 1/8	G 1/8
CY3RG 30	Rc 1/8	NPT 1/8	G 1/8
CY3RG 40	Rc 1/4	NPT 1/4	G 1/4
CY3R 50	Rc 1/4	NPT 1/4	G 1/4
CY3RG 63	Rc 1/4	NPT 1/4	G 1/4

Note 2) The astrisk denotes the dimensions which are different from the RY1RG series.

Return Catalog

RY1S Series

Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Ordering Code

RY1S	25	300
Type	Bore size	Cylinder Stroke (mm)
	6 / 10	Please consult customer service
	15 / 20	
	25 / 32	
	40	

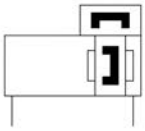


Specification

Bore size (mm)	6	10	15	20	25	32	40
Fluid	Air						
Proof pressure	1.05 MPa						
Maximum operating pressure	0.7 MPa						
Minimum operating pressure	0.18 MPa						
Ambient and fluid temperature	-10 to 60°C (No freezing)						
Piston speed*	50 to 400 mm/s						
Cushion	Rubber bumper/Shock absorber						
Lubrication	Non-lube						
Stroke length tolerance (mm)	0 to 250 st: +1.0,251 to 1000 st: +1.4 , 1001st or longer: +1.8						
Magnetic holding force (N)	19.6	539.	137	231	363	588	922

* In the case of setting an auto switch at the intermediate position, the maximum piston speed is subject to restrict for detection upon the response time of a load (relays, sequence controller,etc.).

Symbol



Weights

(kg)

Bore size (mm)		6	10	15	20	25	32	40
RY1S□	Basic weight	0.231	0.428	0.743	1.317	1.641	2.870	4.508
	Additional weight for 50 stroke	0.053	0.082	0.111	0.184	0.186	0.284	0.430
RY1SG□	Basic weight	0.236	0.435	0.743	1.331	1.662	2.903	4.534
	Additional weight for 50 stroke	0.050	0.079	0.108	0.176	0.178	0.273	0.411

Calculation:(Example) RY1SG25-500Z
Basic weight (At 0 stroke)... 1.662 kg Additional weight for 50 stroke ... 0.178 kg
Cylinder stroke ... 500 st
1.662+ 0.178x500÷50=3.442 kg

Return Catalog

RY1S Series

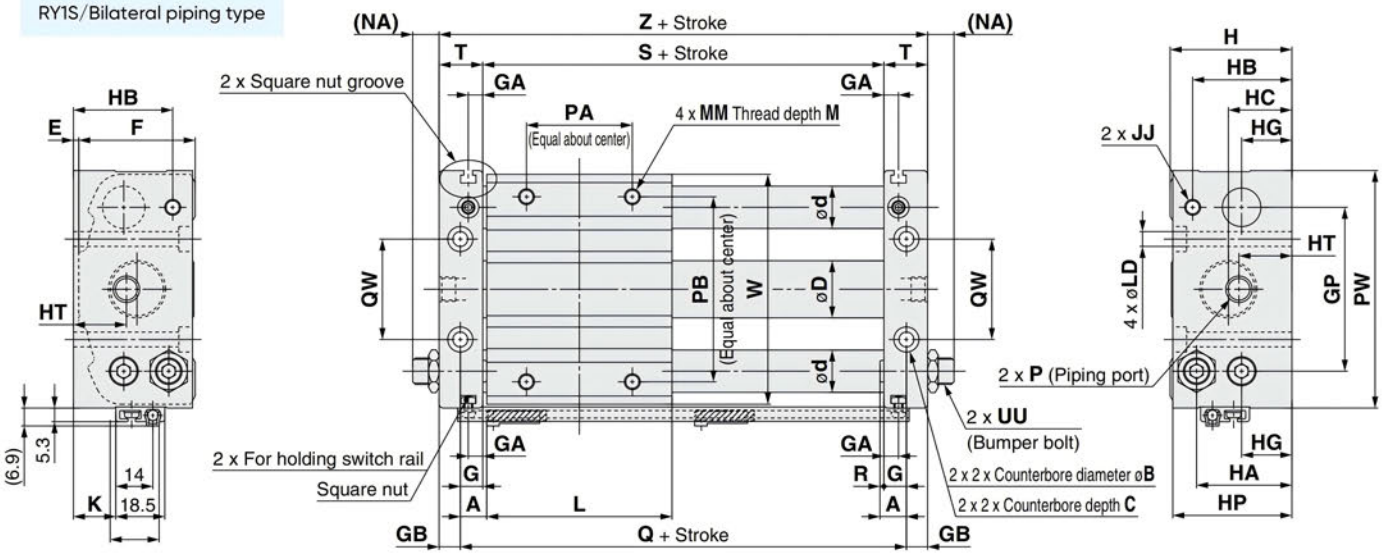
Magnetically Coupled Rodless Cylinder

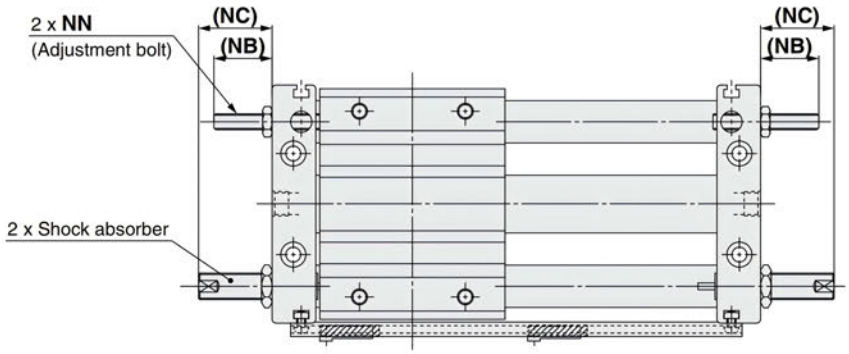
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

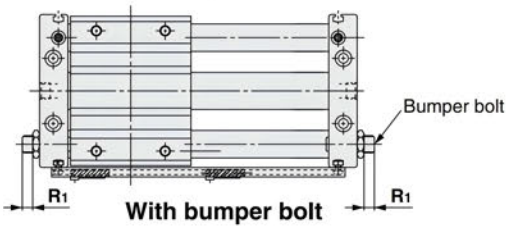
Dimensions

RY1S/Bilateral piping type

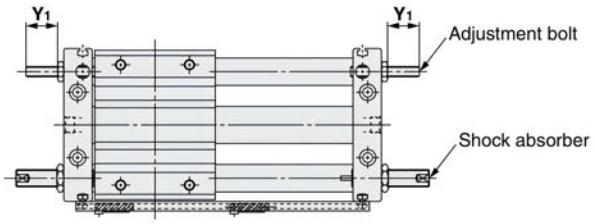




Amount of stroke adjustment



With bumper bolt



With shock absorber

(mm)

Model	A	B	C	D	d	E	F	G	GA	GB	GP	H	HA	HB	HC	HG	HP	HT	JJ	K	L	LD	M	MM	NA	NB	NC
RY1S 6-Z	6	6.5	3.3	7.6	8	2	25	5	5	5	30	27	20.5	20.5	15.5	8	26	15.5	M4×0.7	3	40	3.5	6	M4×0.7	11	14	19
RY1S 10-Z	7.5	8	4.4	12	10	2.5	31.5	6.5	5	6	40	34	25	27	17	13.5	33	17	M4×0.7	6	45	4.6	6	M4×0.7	10.5	16.5	28
RY1S 15-Z	7.5	9.5	5.4	16.6	12	2	38	6.5	5	6	52	40	28	29.5	20.5	15	39	20.5	M4×0.7	11	60	5.8	8	M4×0.7	10.5	16.5	28
RY1S 20-Z	10	9.5	5.4	21.6	16	2	44	8.5	5.5	8	62	46	36	37.5	24	19	45	20	M6×1	16	70	5.8	10	M6×1	10.5	22	28
RY1S 25-Z	10	11	6.5	26.4	16	2	52	8.5	5.5	8	70	54	40.5	40.5	27.5	21.5	53	21	M6×1	20	70	7	10	M6×1	12.5	22	49
RY1S 32-Z	12.5	14	8.6	33.6	20	2	64	9.5	5.5	9	86	66	50	50	33	26	64	24	M8×1.25	26	85	9	12	M8×1.25	11.5	23.5	52
RY1S 40-Z	12.5	14	8.6	41.6	25	2	74	10.5	5.5	5.5	104	76	55.5	55.5	38	27	74	27	M8×1.25	28	95	9	12	M8×1.25	10.5	22.5	51

Model	NN	P			PA	PB	PW	Q	QW	R	R1	Bumper bolta djustable range (Both sides: Ri x2)	S	T	UU	W	Y1	Adjustment bolt adjustable range (Both sides: Yi × 2)	Z	Shock absorber
		Nil	TN	TF																
RY1S 6-Z	M4×0.7	M3×0.5	-	-	25	25	49	52	16	1	7.5	15	42	10	M6×0.75	46	11.5	23.	62	RJ0604N
RY1S 10-Z	M4×0.7	M5×0.8	-	-	25	38	61	60	24	1	5.5	11	47	12.5	M8×1	58	14	28	72	RJ0806HN
RY1S 15-Z	M4×0.7	M5×0.8	-	-	30	50	76	75	30	1	5.5	11	62	12.5	M8×1	73	14	28	87	RJ0806LN
RY1S 20-Z	M6×1	RC1/8	NPT1/8	G1/8	40	70	90	90	38	1.5	4.5	9	73	16.5	M10×1	87	18.5	37	106	RJ1007LN
RY1S 25-Z	M6×1	RC1/8	NPT1/8	G1/8	40	70	99	90	42	1.5	4.5	9	73	16.5	M14×1.5	96	18.5	37	106	RJ1412LN
RY1S 32-Z	M8×1.25	RC1/8	NPT1/8	G1/8	40	75	119	110	50	3	5.5	11	91	18.5	M20×1.5	116	18.5	37	128	RJ2015HN
RY1S 40-Z	M8×1.25	RC1/4	NPT1/4	G1/4	65	105	142	120	64	2	4.5	9	99	20.5	M20×1.5	139	17.5	35	140	RJ2015LN

Note) The above figures show the product with auto switches.Auto switch and switch spacer are shipped together with the product, but not assembled.

Return Catalog

RY1S Series

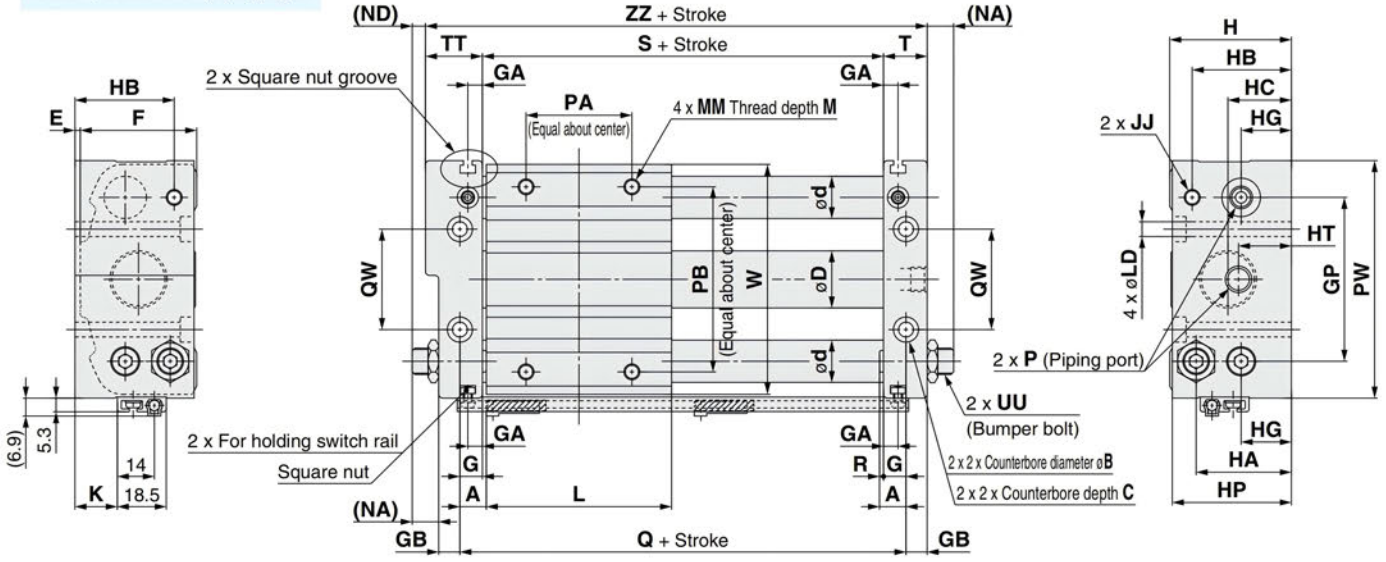
Magnetically Coupled Rodless Cylinder

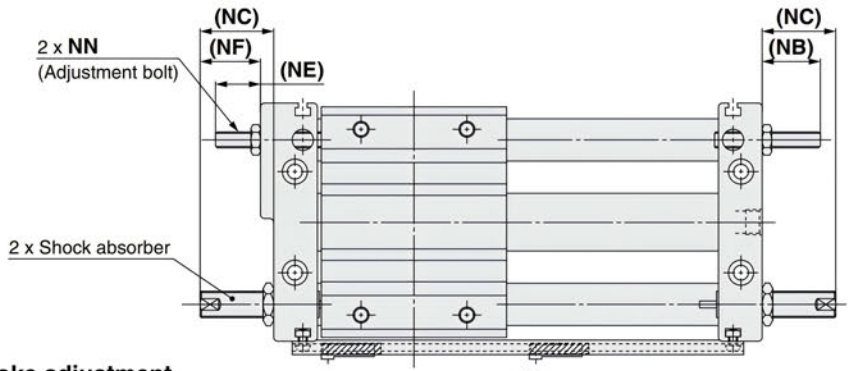
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

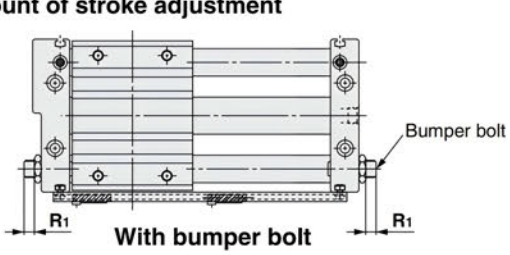
Dimensions

CY1SG/Centralized piping type

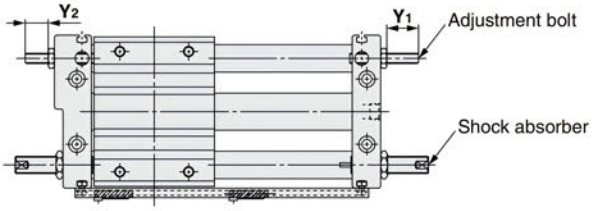




Amount of stroke adjustment



With bumper bolt



With shock absorber

(mm)

Model	A	B	C	D	d	E	F	G	GA	GB	GP	H	HA	HB	HC	HG	HP	HT	JJ	K	L	LD	M	MM	NA	NB	NC
RY1SG 6-Z	6	6.5	3.3	7.6	8	2	25	5	5	5	30	27	20.5	20.5	15.5	8	26	15.5	M4×0.7	3	40	3.5	6	M4×0.7	11	14	19
RY1SG 10-Z	7.5	8	4.4	12	10	2.5	31.5	6.5	5	6	40	34	25	27	17	13.5	33	17	M4×0.7	6	45	4.6	6	M4×0.7	10.5	16.5	28
RY1SG 15-Z	7.5	9.5	5.4	16.6	12	2	38	6.5	5	6	52	40	28	29.5	20.5	15	39	20.5	M4×0.7	11	60	5.8	8	M4×0.7	10.5	16.5	28
RY1SG 20-Z	10	9.5	5.4	21.6	16	2	44	8.5	5.5	8	62	46	36	37.5	24	19	45	20	M6×1	16	70	5.8	10	M6×1	10.5	22	28
RY1SG 25-Z	10	11	6.5	26.4	16	2	52	8.5	5.5	8	70	54	40.5	40.5	27.5	21.5	53	21	M6×1	20	70	7	10	M6×1	12.5	22	49
RY1SG 32-Z	12.5	14	8.6	33.6	20	2	64	9.5	5.5	9	86	66	50	50	33	26	64	24	M8×1.25	26	85	9	12	M8×1.25	11.5	23.5	52
RY1SG 40-Z	12.5	14	8.6	41.6	25	2	74	10.5	5.5	5.5	104	76	55.5	55.5	38	27	74	27	M8×1.25	28	95	9	12	M8×1.25	10.5	22.5	51

Model	NN	P			PA	PB	PW	Q	QW	R	R1	Bumper bolta djustable range (Both sides: Ri x2)	S	T	UU	W	Y1	Adjustment bolt adjustable range (Both sides: Yi × 2)	Z	Shock absorber
		Nil	TN	TF																
RY1SG 6-Z	M4×0.7	M3×0.5	-	-	25	25	49	52	16	1	7.5	15	42	10	M6×0.75	46	11.5	23.	62	RJ0604N
RY1SG 10-Z	M4×0.7	M5×0.8	-	-	25	38	61	60	24	1	5.5	11	47	12.5	M8×1	58	14	28	72	RJ0806HN
RY1SG 15-Z	M4×0.7	M5×0.8	-	-	30	50	76	75	30	1	5.5	11	62	12.5	M8×1	73	14	28	87	RJ0806LN
RY1SG 20-Z	M6×1	RC1/8	NPT1/8	G1/8	40	70	90	90	38	1.5	4.5	9	73	16.5	M10×1	87	18.5	37	106	RJ1007LN
RY1SG 25-Z	M6×1	RC1/8	NPT1/8	G1/8	40	70	99	90	42	1.5	4.5	9	73	16.5	M14×1.5	96	18.5	37	106	RJ1412LN
RY1SG 32-Z	M8×1.25	RC1/8	NPT1/8	G1/8	40	75	119	110	50	3	5.5	11	91	18.5	M20×1.5	116	18.5	37	128	RJ2015HN
RY1SG 40-Z	M8×1.25	RC1/4	NPT1/4	G1/4	65	105	142	120	64	2	4.5	9	99	20.5	M20×1.5	139	17.5	35	140	RJ2015LN

Note) The above figures show the product with auto switches.Auto switch and switch spacer are shipped together with the product, but not assembled.

Return Catalog

RY1L Series

Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Ordering Code

RY1L	25	300
Type	Bore size	Cylinder Stroke (mm)
	6 / 10	Please consult customer service
	15 / 20	
	25 / 32	
	40	

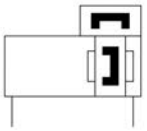


Specification

Bore size (mm)		6	10	15	20	25	32	40
Fluid		Air						
Proof pressure		1.05 MPa						
Maximum operating pressure		0.7 MPa						
Minimum operating pressure		0.18 MPa						
Ambient and fluid temperature		-10 to 60°C (No freezing)						
Piston speed*		50 to 400 mm/s						
Cushion		Rubber bumper/Shock absorber						
Lubrication		Non-lube						
Stroke length tolerance (mm)		0 to 250 st: +1.0,251 to 1000 st: +1.4 , 1001st or longer: +1.8						
Holding force (N)	Type H	19.6	539.	137	231	363	588	922
	Type L	-	-	81.4	154	221	358	569
Standard equipment		Auto switch mounting rail						

* In the case of setting an auto switch at the intermediate position, the maximum piston speed is subject to restrict for detection upon the response time of a load (relays, sequence controller,etc.).

Symbol



Weight

Bore size (mm) / Number of magnets		6	10	15	20	25	32	40
Basic weight	RY1L□H	0.324	0.580	1.10	1.85	2.21	4.36	4.83
	RY1L□L	-	-	1.02	1.66	2.04	4.18	4.61
Additional weight per each 50mm of stroke		0.044	0.077	0.104	0.138	0.172	0.267	0.406

Calculation
(Example)RY1L32H-500
•Basic weight ... 4.36 kg •Additional weight... 0.267/50 st •Cylinder stroke ..... 500 st
4.36 +0.267 x500+50=7.03 kg

Return Catalog

RY1L Series

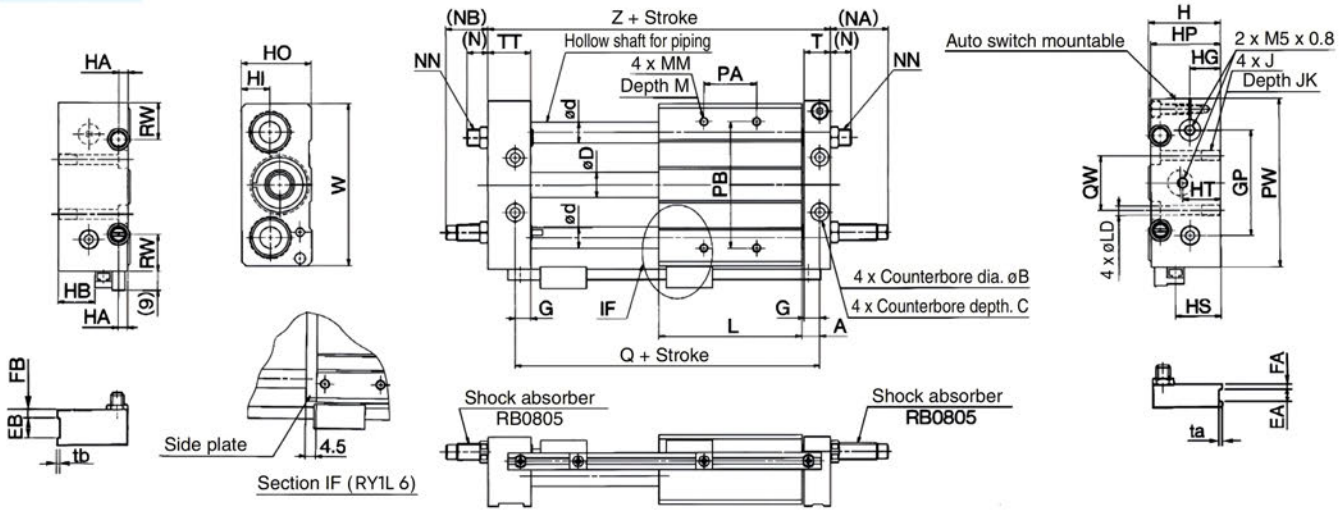
Magnetically Coupled Rodless Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Dimensions Slider type/Ball bushing bearing

RY1L 6/10



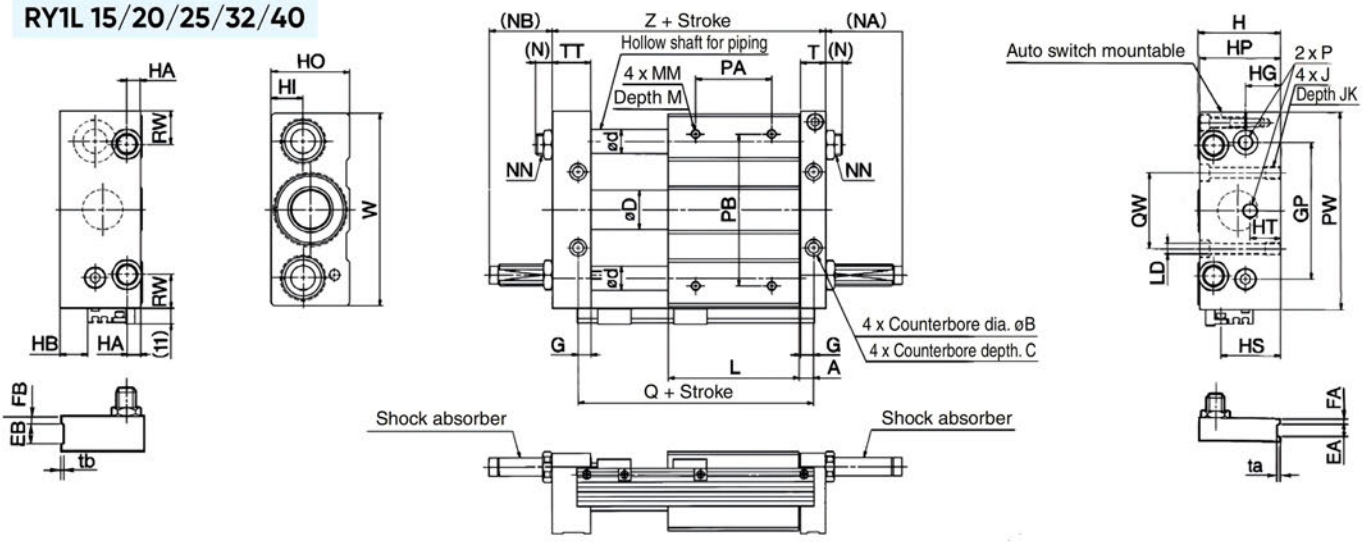
(mm)

Model	A	B	C	D	d	EA	EB	FA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT	J	JK
RY1L 6	7	6.5	3	7.6	8	-	-	-	-	6	36	27	5	10	11	11	25	26	14	16	M4×0.7	6.5
RY1L 10	8.5	8	4	12	10	10	12	3	5	7.5	50	34	6	17.5	14.5	14.5	33	33	21.5	18	M5×0.8	9.5

Model	L	LD	M	MM	(N)	(NA)	(NB)	NN	PA*	PB	PW	Q	QW	RW	T	TT	ta	tb	W	Z
RY1L 6	40	3.5	6	M4×0.7	11	30	24	M8×1.0	24	40	60	57	20	12	10	16	-	-	56	68
RY1L 10	68	4.3	8	M4×0.7	10.5	27	19	M8×1.0	30	60	80	58	26	17.5	12.5	20.5	0.5	1.0	77	103

* PA dimensions are for split from center.

RY1L 15/20/25/32/40



(mm)

Model	A	B	C	D	d	EA	EB	FA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT	J	JK	L	LD
RY1L 15	7.5	9.5	5	16.6	12	6	13	3	6	6.5	65	40	6.5	4	16	14	38	39	25	16	M6×1.0	9.5	75	5.6
RY1L 10	9.5	9.5	5.2	21.6	16	-	-	-	-	8.5	80	46	9	10	18	16	44	45	31	20	M6×1.0	10	86	5.6
RY1L 25	9.5	11	6.5	26.4	16	8	14	4	7	8.5	90	54	9	18	23	21	52	53	39	20	M8×1.25	10	86	7
RY1L 32	10.5	14	8	33.6	20	8	16	5	7	9.5	110	66	12	26.5	26.5	24.5	64	64	47.5	25	M10×1.5	15	100	9.2
RY1L 40	11.5	14	8	41.6	25	10	20	5	10	10.5	130	78	12	35	30.5	28.5	76	74	56	30	M10×1.5	15	136	9.2

Model	M	MM	(N)	(NA)	(NB)	NN	P	PA*	PB	PW	Q	QW	RW	T	ta	tb	TT	W	Z	Shock absorber
RY1L 15	8	M5×0.8	8.5	27	17	M8×1.0	M5×0.8	45	70	65	90	30	15	12.5	0.5	1.0	22.5	92	112	RB0805
RY1L 10	10	M6×1.0	10.5	29	20	-	Rc 1/8	50	90	80	105	40	28	16.5	-	-	25.5	117	130	RB1006
RY1L 25	10	M6×1.0	12.5	49	40	8	Rc 1/8	60	100	90	105	50	22	16.5	0.5	1.0	25.5	127	130	RB1411
RY1L 32	12	M8×1.25	13.5	52	42	8	Rc 1/8	70	120	110	121	60	33	18.5	0.5	1.0	28.5	157	149	RB2015
RY1L 40	12	M8×1.25	12.5	51	36	10	Rc 1/4	90	140	130	159	84	35	20.5	1.0	1.0	35.5	187	194	

* PA dimensions are for split from center.

Return Catalog

RSMS Series

Rodless magnetic cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Ordering Code

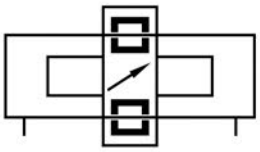
Features

- This magnetic cylinder is basically a pneumatic rodless cylinderfeaturing a mobile piston fitted with annular magnets.The mobile carriage is also equipped with magnets to providemagnetic coupling(carriage/piston).The carriage slide freely along the main tube.
- It is dust-proof as the isolation between the carriage and piston.
- Gear rod operation to make finger openand close synchronously.
- It is compact in space.
- The non adjustable rubber bumpers and the adiustable pneumatic cushioning on both ends of the cylinder ensure the smooth action.



RSMS	20	200	T
Type	Bore size	Stroke (mm)	Thread Type
	6 / 10	50 / 100	
	15 / 20	150 / 220	
	25 / 32	250 / 300	
	40	350 / 400	
		450 / 500	
		600 / 700	
		750 / 800	
		900 / 1000	

Symbol



Specification

Series name	RSMS Series	RSMS RSMSF Series					RSMSR Series		
Bore size(mm)	10	16	20	25	32	40	16	20	32
Acting type	Double acting								
Fluid	Air(to be filtered by 40μm filter element)								
Operating pressure	29~100psi(0.2~0.7MPa)	22~100psi(0.15~0.7MPa)[Note 2]							
Proof pressure	175psi(1.2MPa)								
Temperature °C	-20~70								
Speed range mm/s	50~400								
Stroke tolerance mm	0~250 / 251~1000 / 1001~								
Cushion type	Bumper	Variable cushion+Fixed cushion							
Port size [Note1]	M5×0.8		1/8"			1/4"	M5×0.8	1/8"	
Safe holding force N	55	140	220	345	560	880	140	220	560

[Note1] NPT thread is available.
[Note 2] when stopping in the middle, Operating pressure shall not exceed 80psi.and buffer shall be provided when stopping at both ends.

Return Catalog

RSMS Series

Rodless magnetic cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

List for ordering code ofaccessories

Bore size		10	16			20		
Accessories		RSMS	RSMS	RSMSP	RSMSF	RSMSP	RSMSP	RSMSF
Mounting accessories	LB	F-PB12LB	F-RMS16LB		F-RMSF16LB	F-RMS20LB		F-RMSF20LB
	LA	F-PB12FA	F-PB12FA		F-MI12FA	F-MF20FA		F-MA20FA

Bore size		25		32			40	
Accessories		RSMS	RSMSF	RSMS	RSMSP	RSMSF	RSMSP	RSMSF
Mounting accessories	LB	F-RMS25LB	F-RMSF25LB	F-RMS32LB		F-RMSF32LB	F-RMS40LB	F-RMSF20LB
	LA	F-MF32FA	F-MA20FA	F-MF32FA		F-MA40FA	F-MF40FA	-

Accessory selection

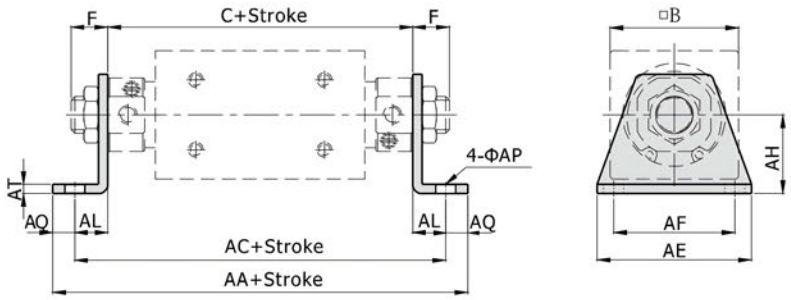
Accessories\Cylinder model		RMS	RMSP	RMSF
Mounting accessories	LB	·	·	·
	FA	·	·	·

Materialofaccessories

Accessories\Bore size		10	16			20			25		32			40	
		RSMS	RSMS	RSMSP	RSMSF	RSMS	RSMSP	RSMSF	RSMS	RSMSF	RSMS	RSMSP	RSMSF	RSMS	RSMSF
Mounting accessories	LB	△	△		△	△		△	△	△	△		△	△	△
	LA	△	△		△	△		○	△	△	△		△	△	-
○-Lowercarbonstee / △-SPCC															

Dimensions

RSMS-LR **RSMS-LB**



Unit: mm

Bore size/Item	AA		AC		C		F	
	RSMS	RSMSP	RSMS	RSMSP	RSMS	RSMSP	RSMS	RSMSP
10	103	-	91	-	73	-	9	-
16	113	122	101	110	83	92	10	10
20	158	167	142	151	106	115	13	14
25	167	-	151	-	111	-	13	-
32	184	193	170	179	124	133	16	16
40	216	-	196	-	150	-	16	-

Bore size/Item	AE	AF	AH	AL	AP	AQ	AT	B
10	103	33	14	9	5.5	6	2.5	25
16	113	33	20	9	5.5	6	2.5	35
20	158	30	23	18	6.5	8	3	40
25	167	40	26	20	6.5	8	4	46
32	184	46	33	23	7	7	4	60
40	216	55	38	23	9	10	5	70

Return Catalog

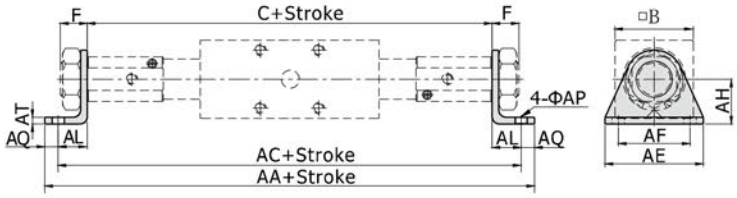
RSMS Series

Rodless magnetic cylinder

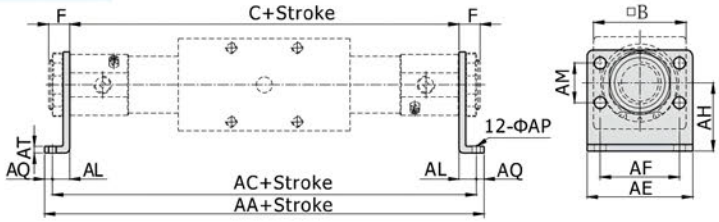
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

RSMSF-LB Ø16~Ø25



Ø32~Ø40

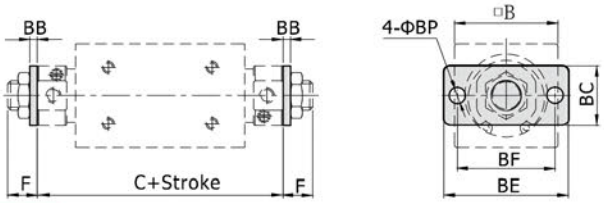


Unit: mm

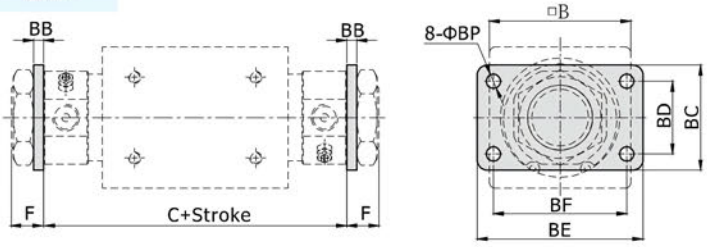
Bore size/Item	AA	AC	AE	AF	AH	AL
16	221	209	44	32	20	14
20	235	219	54	40	23	17
25	256	240	54	40	26	17
32	280	266	66	52	33	14
40	353	333	80	60	38	19

Bore size/Item	AM	AP	AQ	AT	B	C	F
16	-	5.5	6	2.5	35	181	12
20	-	6.5	8	3	40	185	16
25	-	6.5	8	4	46	206	16
32	28	7	7	4	0	238	16
40	30	9	10	5	70	295	16

RSMS-FA RSMSP-FA Ø16~Ø32



Ø40

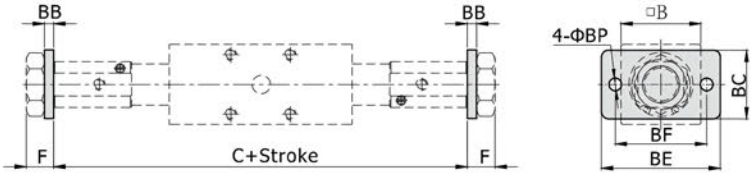


Unit: mm

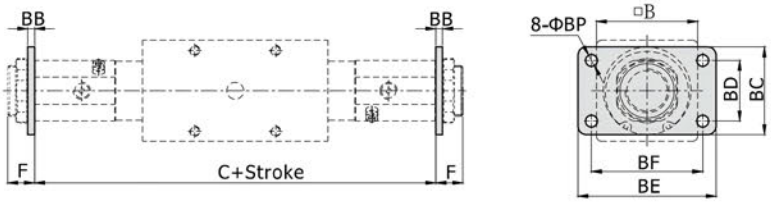
Bore size/Item	B	BB	BC	BD	BE	BF
10	25	3	20	-	42	33
16	35	3	20	-	42	33
20	40	4	34	-	75	60
25	46	4	40	-	75	60
32	60	4	40	-	75	60
40	70	5	52	36	82	66

Bore size/Item	BP	C		F	
		RSMS	RSMSP	RSMS	RSMSP
10	5.5	73	-	9	-
16	5.5	83	92	10	10
20	7	106	115	13	14
25	7	111	-	13	-
32	7	124	133	16	16
40	7	150	-	16	-

RSMS-FA Ø16~Ø25



Ø32



Unit: mm

Bore size/Item	B	BB	BC	BD
16	35	4	20	-
20	40	4	20	-
25	46	4	34	-
32	60	4	40	36

Bore size/Item	BE	BF	BP	C	F
16	52	40	5.5	181	12
20	64	50	6.5	185	16
25	64	50	6.5	206	16
32	84	70	6.5	238	16

Return Catalog

RSMT Series

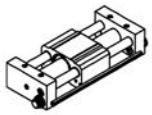
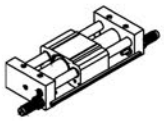
Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

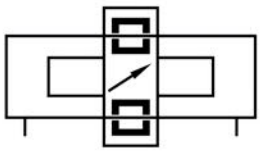
Cylinder series/Gas source series/Valve series/Other series



Ordering Code

RSMT	25	50	S	□
Type	Bore size	Stroke (mm)	Magnet	Cushion type
	6 / 10	50 / 100	Blank:Without magnet	Blank: With two adjustable nuts
	15 / 20	150 / 200	S: With magnet	
	25 / 32	250 / 300		
	40	350 / 400		A: With two shock absorbers
		450 / 500		
		600 / 700		
		750 / 800		
		900 / 1000		

Symbol



Specification

Bore size(mm)	16	20	25	32	40
Acting type	Double acting				
Fluid	Air(to be filtered by 40μm filter element)				
Operating pressure	30~100psi(0.2~0.7MPa)	36~100psi(0.25~0.7MPa)			
Proof pressure	175psi(1.2MPa)				
Temperature °C	-20~70				
Speed range mm/s	50~400				
Stroke tolerance mm	0~250 / 251~1000 / 1001~				
Cushion type	Fixed cushion	Shock absorber(Available)			
Safe holding force N	140	220	345	560	880
Port size [Note1]	M5×0.8	1/8"			1/4"

[Note1] NPT thread is available.

Return Catalog

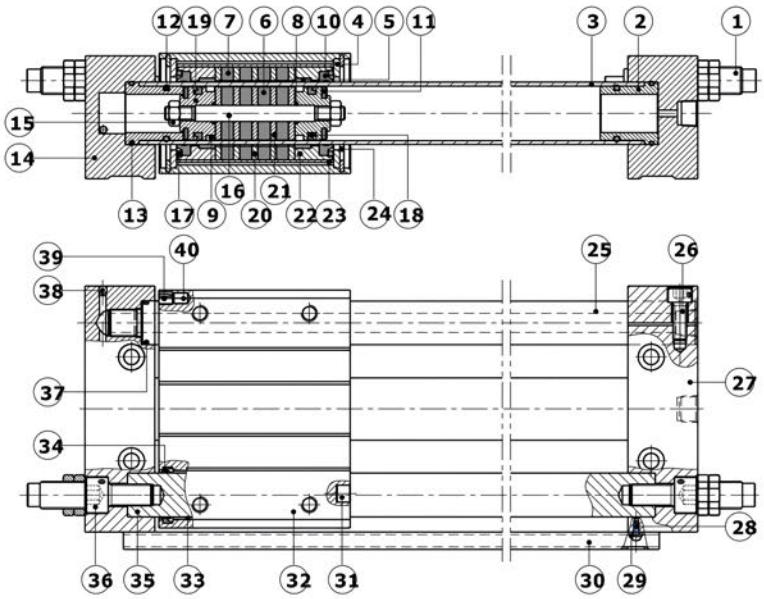
RSMT Series

Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Inner structure

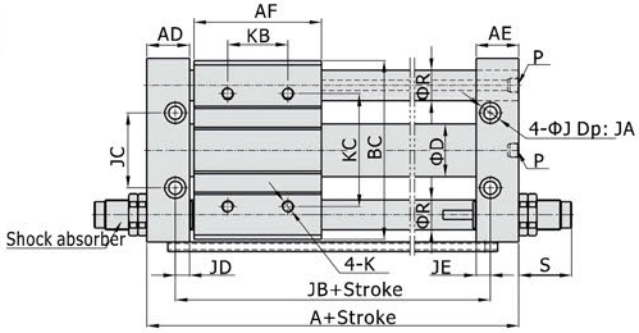


NO.	Item	NO.	Item
1	Shock absorber	21	Magnet washer
2	Washer cover	22	End cover
3	Stainless steel barrel 23	23	Moveable core
4	Washer	24	C clip
5	Wearing ring	25	Guide I
6	Magnet	26	Countersink screw
7	Magnet	27	Fixing plate
8	O-ring	28	Screw
9	Wear ring	29	Spring washer
10	Scraping dust ring	30	Rail
11	Bumper	31	Bumper block
12	O-ring	32	Barrel
13	O-ring	33	Bushing
14	Fixing plate	34	Gasket
15	Nut	35	Guide II
16	Joint pole	36	Countersink screw
17	O-ring	37	O-ring
18	Piston seal	38	Steel ball
19	Magnet	39	Location washer
20	Magnet washer	40	Magnet

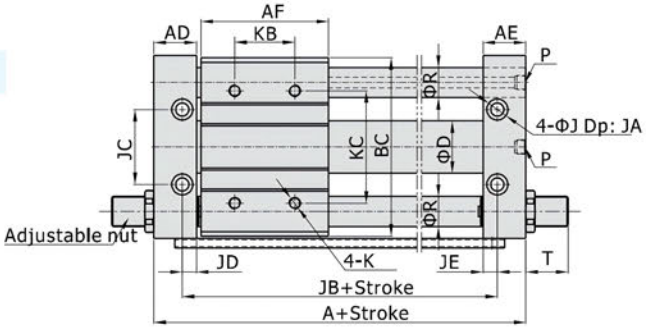
Note: inner structure & material data sheet is based on certain bore size.
Please contact VILOP if you need inner structure & material data sheet for specific bore size.

Dimensions

RSMT-A



RSMT



Unit: MM

Bore size/Item	A	AD	AE	AF	B	BC	C	CA	D	J	JA	JB	JC	JD	JE
16	107	22.5	22.5	60	75	72	40	39	18	9.5	5	75	30	6.5	6.5
20	124	25.5	25.5	70	90	87	46	45	22.8	9.5	5	90	38	8.5	8.5
25	124	25.5	25.5	70	100	97	54	53	27.8	11	6.5	90	42	8.5	8.5
32	148	28.5	28.5	85	122	119	66	64	35	14	8	110	50	9.5	9.5
40	170	35.5	35.5	95	145	142	76	74	43	14	8	120	64	10.5	10.5

Bore size/Item	K	KB	KC	L	LD	P	R	RB	S	T
16	M5×0.8Dp:10	30	50	M6×1.0Dp:9.5	5.5	M5×0.8	12	52	15.5	8.5
20	M6×1.0Dp:10	40	70	M6×1.0Dp:9.5	5.5	1/8"	16	63	22.5	10.5
25	M6×1.0Dp:10	40	70	M8×1.25Dp:10	7	1/8"	16	70	40.5	11.5
32	M8×1.25Dp:12	40	75	M10×1.5Dp:15	8.5	1/8"	20	86	57.5	17.5
40	M8×1.25Dp:12	65	105	M10×1.5Dp:15	8.5	1/4"	25	105	50.5	10.5

Return Catalog

RSMTL Series

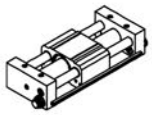
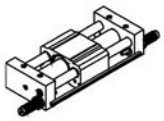
Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

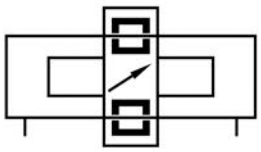
Cylinder series/Gas source series/Valve series/Other series



Ordering Code

RSMT	25	50	S	□
Type	Bore size	Stroke (mm)	Magnet	Cushion type
	10 / 16	50 / 100	Blank:Without magnet	Blank: With two adjustable nuts
	20 / 25	150 / 200	S: With magnet	
	32 / 40	250 / 300		
		350 / 400		A: With two shock absorbers
		450 / 500		
		600 / 700		
		750 / 800		
		900 / 1000		

Symbol



Specification

Bore size(mm)	10	16	20	25	32	40
Acting type	Double acting					
Fluid	Air(to be filtered by 40μm filter element)					
Operating pressure	36~100psi(0.25~0.7MPa)					
Proof pressure	175psi(1.2MPa)					
Temperature °C	-20~70					
Speed range mm/s	50~400					
Stroke tolerance mm	0~250 / 251~1000 / 1001~					
Cushion type	Fixed cushion		Shock absorber(Available)			
Safe holding force N	55	140	220	345	560	880
Port size [Note1]	M5×0.8		1/8"			1/4"

[Note1] NPT thread is available.

Return Catalog

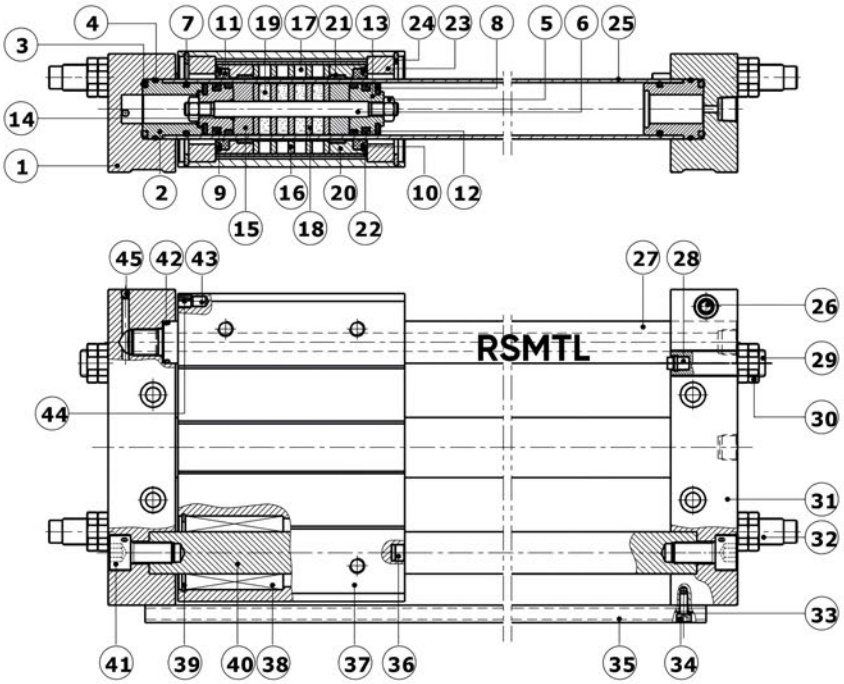
RSMTL Series

Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

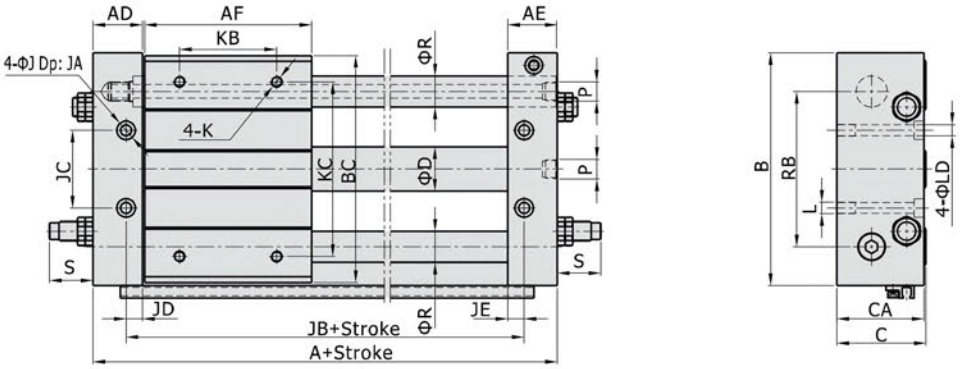
Inner structure



NO.	Item	NO.	Item
1	Fixing plate	24	C clip
2	Washer cover	25	Barrel
3	O-ring	26	Countersink screw
4	O-ring	27	Guide I
5	Nut	28	Bumper
6	Joint pole	29	Adjustable screw
7	O-ring	30	Nut
8	Bumper	31	Fixing plate
9	Piston seal	32	Shock absorber
10	O-ring	33	Spring washer
11	Scraping dust ring	34	Countersink screw
12	Wearing ring	35	Rail
13	Piston	36	Bumper block
14	O-ring	37	Body
15	Piston washer	38	Bushing
16	Magnet washer	39	C clip
17	Magnet	40	Guide II
18	Magnet washer	41	Countersink screw
19	Magnet	42	O-ring
20	Body cover	43	Magnet
21	Wearing ring	44	Location washer
22	Mobility iron	45	Steel ball
23	Washer		

Note: inner structure & material data sheet is based on certain bore size.
Please contact VILOP if you need inner structure & material data sheet for specific bore size.

Dimensions



Unit: MM

Bore size/Item	A	AD	AE	AF	B	BC	C	CA	D	J	JA	JB	JC	JD	JE
RSMTL 10	111	20.5	20.5	68	80	72	34	33	11.2	8	4	85	26	7.5	7.5
RSMTL 16	122	22.5	22.5	75	95	92	40	39	18	9.5	5	90	30	6.5	6.5
RSMTL 20	139	25.5	25.5	86	120	117	46	45	22.8	9.5	5	105	40	8.5	8.5
RSMTL 25	139	25.5	25.5	86	130	127	54	53	27.8	11	6.5	105	50	8.5	8.5
RSMTL 32	159	28.5	28.5	100	160	157	66	64	35	14	8	121	60	9.5	9.5
RSMTL 40	209	35.5	35.5	136	190	187	78	74	43	14	8	159	84	10.5	10.5

Bore size/Item	K	KB	KC	L	LD	P	R	RB	S
RSMTL 10	M4×0.7Dp:8	30	60	M5×0.8Dp:9.5	4.5	M5×0.8	10	52	16.5
RSMTL 16	M5×0.8Dp:10	45	70	M6×1.0Dp:9.5	5.5	M5×0.8	12	65	14.5
RSMTL 20	M6×1.0Dp:10	50	90	M6×1.0Dp:10	5.5	1/8"	16	80	21.5
RSMTL 25	M6×1.0Dp:10	60	100	M8×1.25Dp:10	7	1/8"	16	90	39.5
RSMTL 32	M8×1.25Dp:12	70	120	M10×1.5Dp:15	8.5	1/8"	20	110	57.5
RSMTL 40	M8×1.25Dp:12	90	140	M10×1.5Dp:15	8.5	1/4"	25	130	49.5

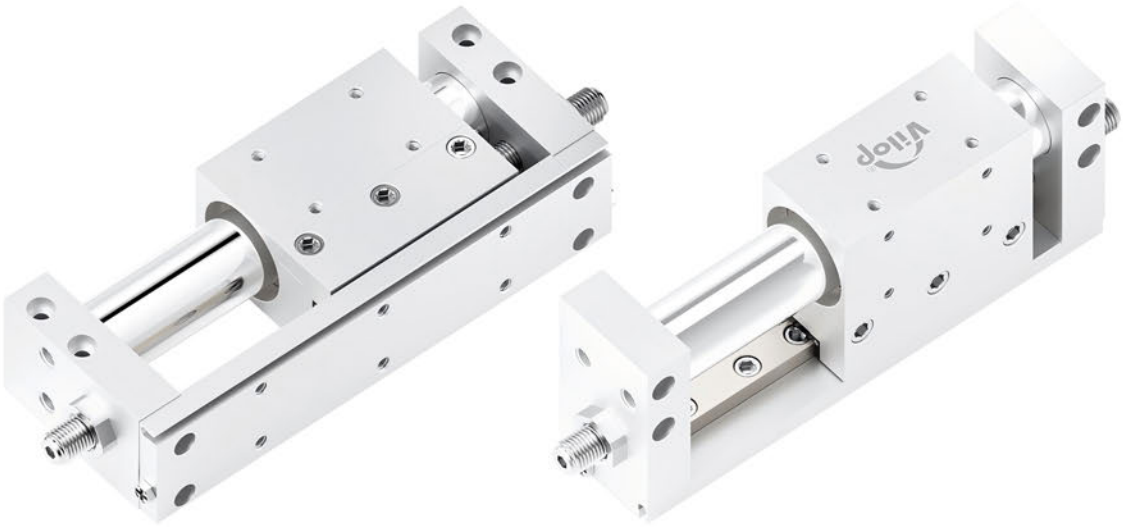
Return Catalog

RSMH Series

Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

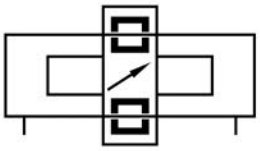
Cylinder series/Gas source series/Valve series/Other series



Ordering Code

RSMH	25	50	S
Type	Bore size	Stroke (mm)	Magnet
	10 / 16	50 / 100	S: With magnet
	20 / 25	150 / 200	
		250 / 300	
		350 / 400	
		450 / 500	
		600 / 700	
		750 / 800	

Symbol



Specification

Bore size(mm)	10	16	20	25
Acting type	Double acting			
Fluid	Air(to be filtered by 40μm filter element)			
Operating pressure	22~100psi(0.25~0.7MPa)			
Proof pressure	175psi(1.2MPa)			
Temperature °C	-20~70			
Speed range mm/s	50~400			
Stroke tolerance mm	0~250 / 251~800			
Cushion type	Bumper			
Safe holding force N	55	140	220	345
Port size [Note1]	M5×0.8		1/8"	

[Note1] NPT thread is available.

Return Catalog

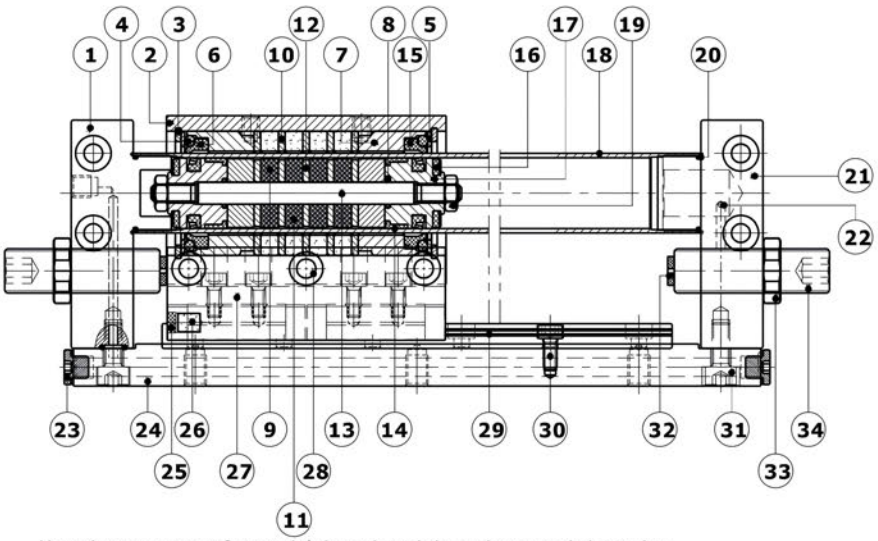
RSMH Series

Guided rodless cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

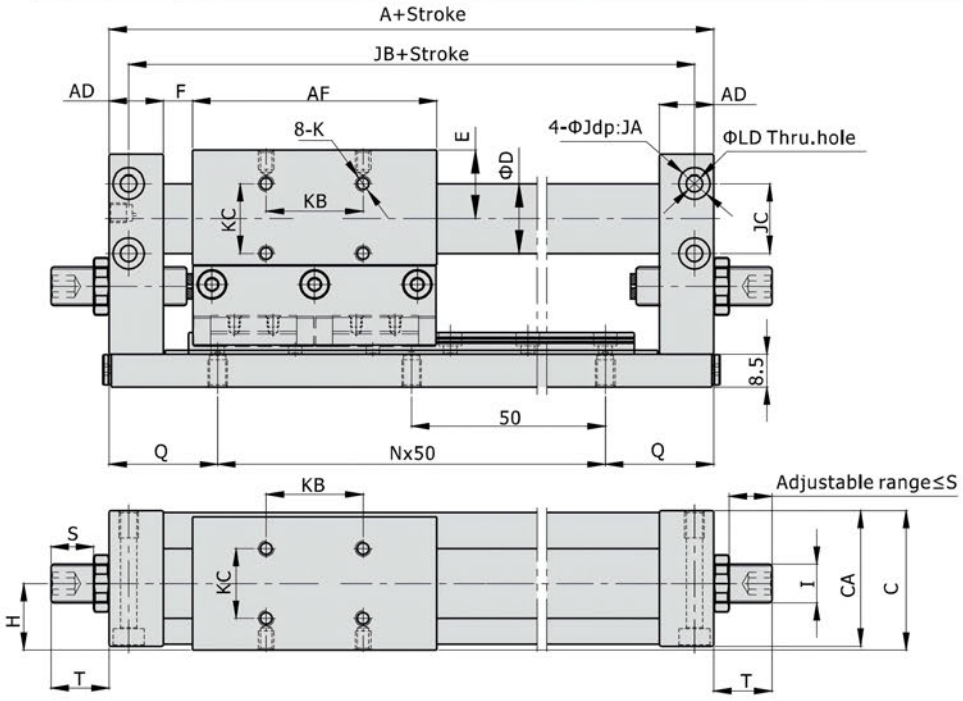
Inner structure

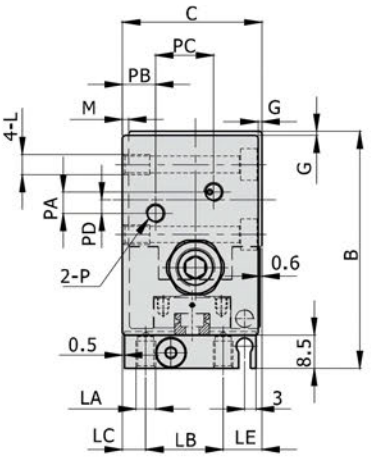


NO.	Item	NO.	Item
1	End cover	18	Barrel
2	Body	19	Nut
3	C clip	20	O-ring
4	O-ring	21	End cover
5	Washer	22	Steel ball
6	Scraping dust ring	23	Pluger screw
7	Cover	24	Fixed block
8	O-ring	25	Push block
9	Magnet	26	Magnet
10	Magnet washer	27	Jointing block
11	Magnet	28	Bolt
12	Magnet washer	29	Linear rail
13	Connecting rod	30	Bolt
14	Wear ring	31	Bolt
15	Piston seal	32	Bumper
16	Bumper	33	Nut
17	Piston	34	Bolt

Note: inner structure & material data sheet is based on certain bore size.
Please contact VILOP if you need inner structure & material data sheet for specific bore size.

Dimensions





Type/Item	A	AD	AF	B	C	CA	D	E	F	G	H	I	J	JA	JB	JC	K	KB	KC	L	LA	LB	LC
RSMH 10	86	10.5	52	52	30	29	12	14	6.5	1	14	M8×1.0	6	3.5	78	14	M3×0.5DP:4	20	15	M4×0.7DP:6	M4×0.7DP:6	16	4
RSMH 16	106	14	63	61	36	35	18	17.5	7.5	1	17	M10×1.0	8	4.5	96	18	M4×0.7DP:5	25	18	M5×0.8DP:7	M5×0.8DP:7	20	6
RSMH 20	124	14	76	71	39	38	22.8	20	10	1	18.5	M10×1.0	9.5	5.5	112	17	M4×0.7DP:5	40	22	M6×1.0DP:6	M6×1.0DP:6	22	5
RSMH 25	137	17.5	77	76	45	43	27.8	22.5	12.5	2	21.5	M14×1.5	9.5	5.5	124	20	M5×0.8DP:6	40	28	M6×1.0DP:6	M6×1.0DP:6	26	7

Type/Item	P	LD	LE	M	PA	PB	PC	PD	Q	S	T	N													
												50	100	150	200	250	300	350	400	450	500	600	700	750	800
RSMH 10	M5×0.8	3.5	10	1.5	4	7.5	11	2	18	10.5	14.5	2	3	4	5	6	7	-	-	-	-	-	-	-	-
RSMH 16	M5×0.8	4.5	10	1.5	5.5	8.5	15	3.5	28	11	11	2	3	4	5	6	7	8	9	10	11	-	-	-	-
RSMH 20	1/8"	5.5	12	1.5	0	10	18.5	0	37	8.5	8.5	2	3	4	5	6	7	8	9	10	11	13	15	16	17
RSMH 25	1/8"	5.5	12	1.5	0	11	22	0	43.5	16	16	2	3	4	5	6	7	8	9	10	11	13	15	16	17

Return Catalog

DN Series

Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Features

- Improving for adapting wide range applications,using precisepolishing of piston rod, more sense ofproducts quality and longer life of front seal.
- Optima design and improve the production efficiency.
- Combined with enterprise color planning and newstructure design,stainless steel series cylinder integratedas the semicircular groove cramping
- Using embedded gasket, increase the pressured area ofpistons after collision.



Ordering Code

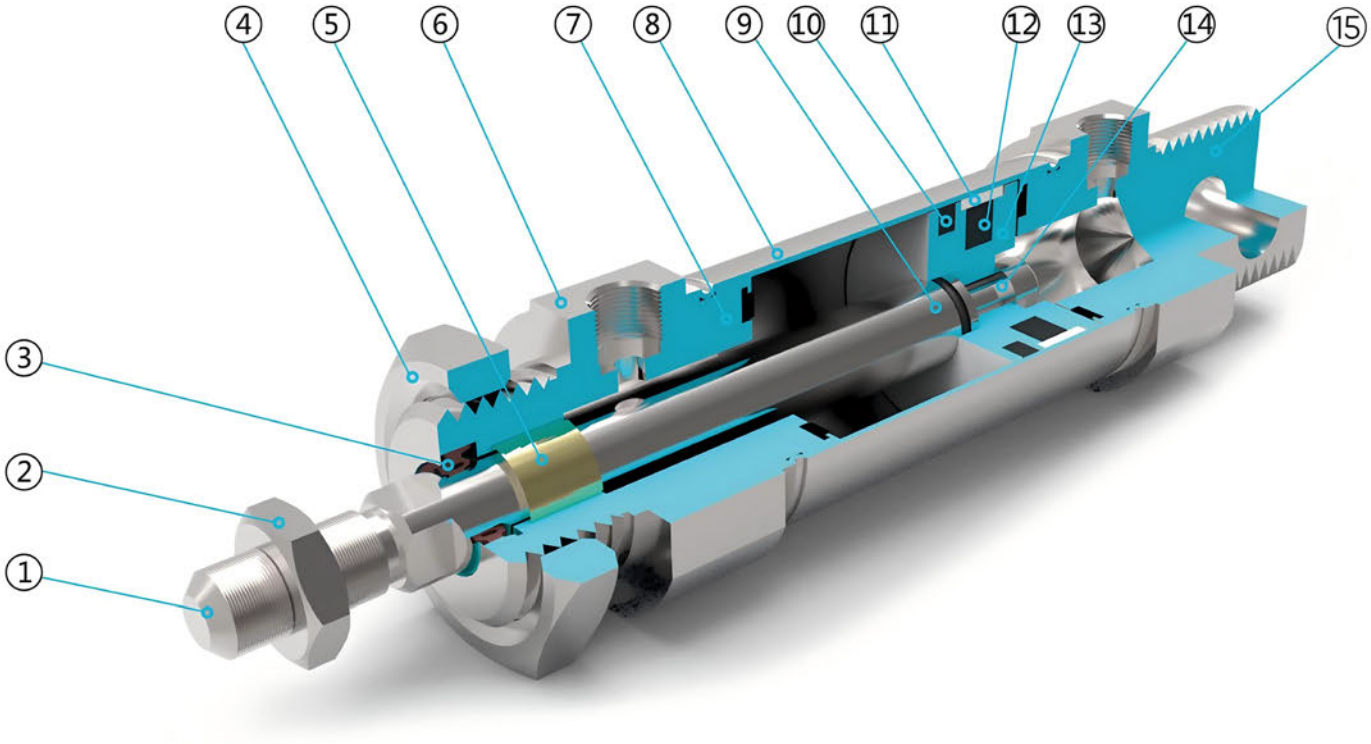
DN	U	32	50	25	S	E	LB
Specification	Back Form	Bore	Stroke	Adjustable Stroke	Magnet	Piston rod Material	Mountings
DN: Double Acting	Blank: Standard with eye mounting	8 / 10			S: With Magnet	Blank : Carbon steel	Blank: Basicmountings
DS: Single acting, Spring-out	CM: Standard withround back cover	12 / 16			Blank: Without Magnet	E : Stainless steel	LB: Front and back mounting
DT: Single acting, Spring-in	U: Standard withflat back cover	20 / 25					FA: Front mounting flange
DND: Double-shaft		32 / 40					FB: Back mounting flange
DNJ: Double-shaft with adjustable stroke							SDB: Back hinge

Specification

Bore(mm)	8	10	12	16	20	25	32	40
Operation	Double Acting or Single Acting							
Working Medium	Air							
Mountings	Basic LB FA FB SDB							
Operating Pressure	0.1~1.0Mpa							
Proof Pressure	1.5 Mpa							
Operating Temperature Range	-20~70°C							
Operating Speed Range	50~800mm/s							
Cushion	Gasket Cushion							
Port Size	M5×0.8			G1/8"				

Return Catalog

Internal Structure



Number	Name	Number	Name
1	Piston rod	9	O ring
2	Hexagon nut	10	Piston seal
3	Shaft seal	11	Anti-friction seal
4	Hexagon nut	12	Magnet
5	DU bearing	13	Piston
6	Front cover	14	Socket head cap screw
7	Cushion adjusting screw	15	Back cover
8	Cushion		

DN Series

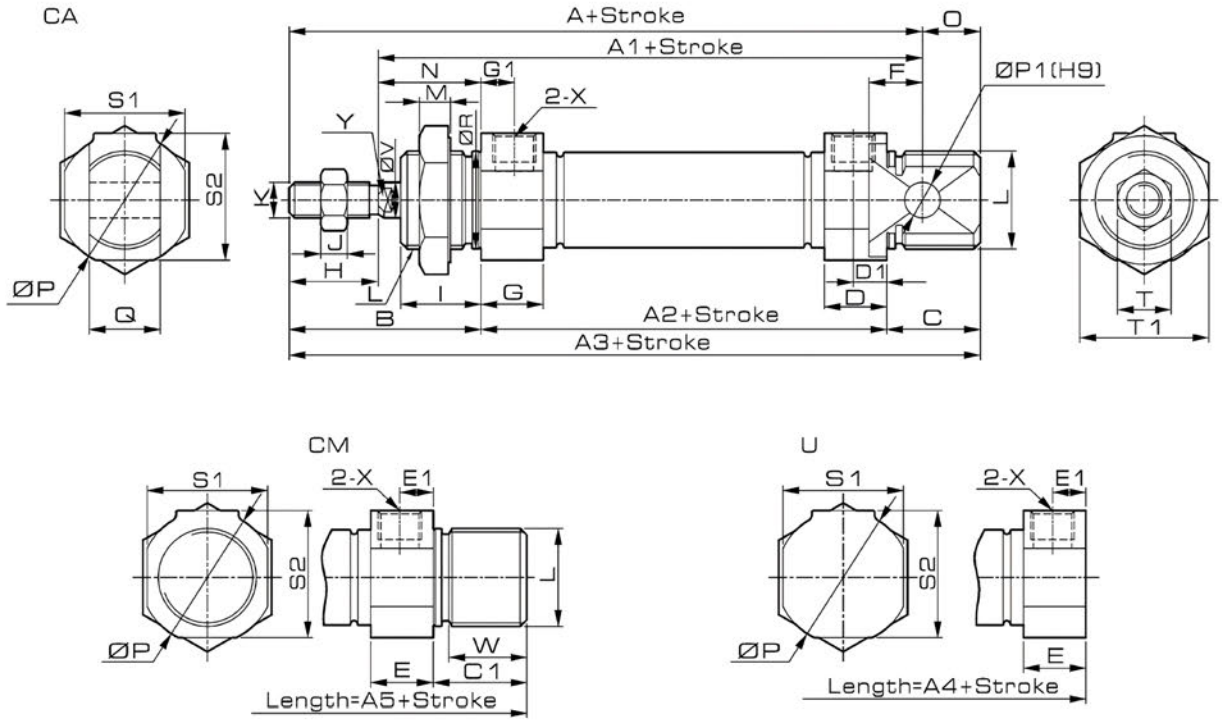
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

DN



Cylinder with or without magnet is the same size

Dimension

Bore Symbol	A	A1	A2	A3	A4	A5	B	C	C1	D	D1	E	E1	F	G	G1	H	I
8	76	64	46	86	74	86	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12
10	76	64	46	86	74	86	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12
12	91	74	50	105	88	105	38	17	17	10	6	10	6	9	10	6	16	17
16	98	82	55	111	92	111	37	19	19	10.5	6	10.5	6	9	10.5	6	16	16
20	115	95	64	128	107	128	43	21	21	14	7.5	14.5	7.5	9	14	7.5	20	16
25	126	104	66	137	116	137	50	21	21	15	8	15	8	12	15	8	22	22
32	135	113	72	147	120	132	48	27	12	17	8.5	17	8.5	15	17	8.5	22	18
40	138	115	72	150	123	136	51	27	14	16	8	16	8	15	16	8	23	20

Bore Symbol	J	K	L	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	5	M6×1	M16×1.5	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	5	M6×1	M16×1.5	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	15.5	5
20	6	M8×1.25	M22×1.5	7	23	13	30	8	16	22	27	28.5	12	29	G1/8	8	17.5	6
25	6	M10×1.25	M22×1.5	7	28	11	30	8	16	22	27	28.5	17	29	G1/8	10	17.5	8
32	6	M10×1.25	M27×2	9	26	12	38	10	20	27	35	36.5	17	36	G1/8	12	8	10
40	8	M14×1.5	M33×2	9	28	12	45	10	20	33	42	43.5	22	45	G1/4	16	10	14

Return Catalog

DN Series

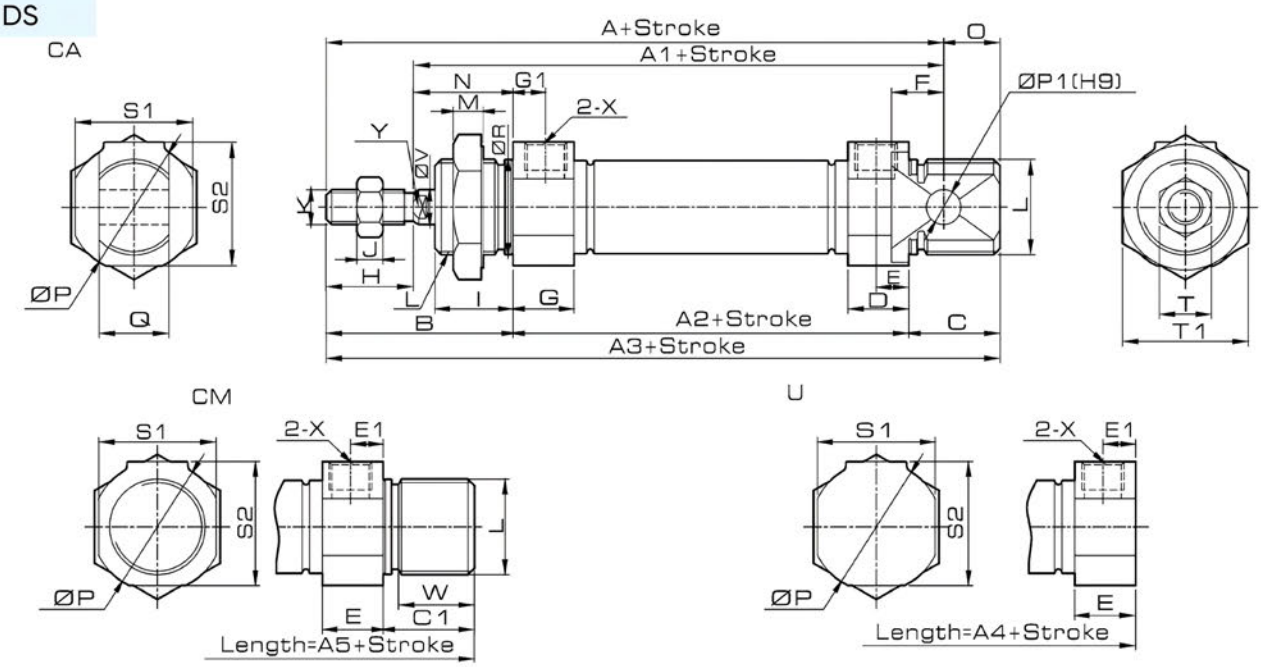
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

DS



Cylinder with or without magnet is the same size

Dimension

Symbol	A			A1			A2			A3			A4			A5		
Bore/Stroke	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150
8	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	111	-	-
10	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	111	-	-
12	116	-	-	99	-	-	75	-	-	130	-	-	113	-	-	130	-	-
16	123	148	-	107	132	-	80	105	-	136	161	-	117	142	-	136	161	-
20	140	165	190	120	145	170	89	114	139	153	178	203	132	157	182	153	178	203
25	151	176	201	129	154	179	91	116	141	162	187	212	141	166	191	162	187	212
32	160	185	210	138	163	188	97	122	147	172	197	222	145	170	195	157	182	207
40	163	188	213	140	165	190	97	122	147	175	200	225	148	173	198	161	186	211

Bore Symbol	B	C	C1	D	D1	E	E1	F	G	G1	H	I	J	K	L
8	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.5
10	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.5
12	38	17	17	10	6	10	6	9	10	6	16	17	5	M6×1	M16×1.5
16	37	19	19	10.5	6	10.5	6	9	10.5	6	16	16	5	M6×1	M16×1.5
20	43	21	21	14	7.5	14	7.5	9	14	7.5	20	16	6	M8×1.25	M22×1.5
25	50	21	21	15	8	15	8	12	15	8	22	22	6	M10×1.25	M22×1.5
32	48	27	12	17	8.5	17	8.5	15	17	8.5	22	18	6	M10×1.25	M27×2
40	51	27	14	16	8	16	8	15	16	8	23	20	8	M12×1.5	M33×2

Bore Symbol	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	15.5	5
20	7	23	13	30	8	16	22	27	28.5	12	29	G1/8	8	17.5	6
25	7	28	11	30	8	16	22	27	28.5	17	29	G1/8	10	17.5	7
32	9	26	12	38	10	20	27	35	36.5	17	36	G1/8	12	8	10
40	9	28	12	45	10	20	33	42	43.5	22	45	G1/4	16	10	14

Return Catalog

DN Series

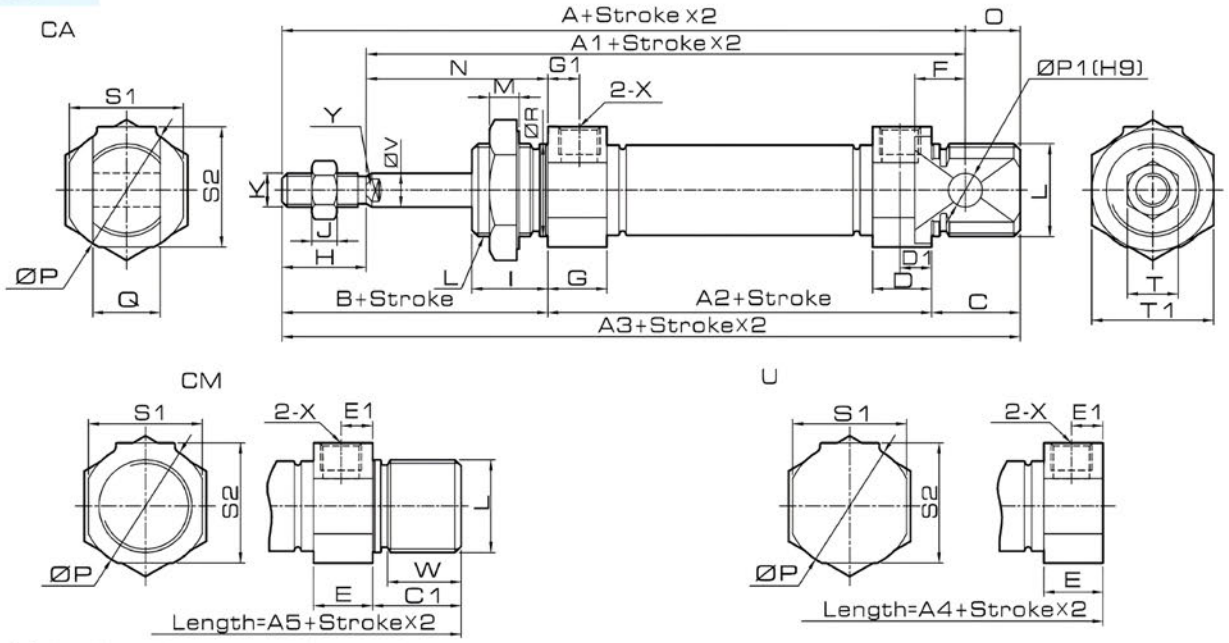
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

DT



Cylinder with or without magnet is the same size

Dimension

Symbol	A			A1			A2			A3			A4			A5		
Bore/Stroke	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150	0-50	50-100	100-150
8	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	111	-	-
10	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	111	-	-
12	116	-	-	99	-	-	75	-	-	130	-	-	113	-	-	130	-	-
16	123	148	-	107	132	-	80	105	-	136	161	-	117	142	-	136	161	-
20	140	165	190	120	145	170	89	114	139	153	178	203	132	157	182	153	178	203
25	151	176	201	129	154	179	91	116	141	162	187	212	141	166	191	162	187	212
32	160	185	210	138	163	188	97	122	147	172	197	222	145	170	195	157	182	207
40	163	188	213	140	165	190	97	122	147	175	200	225	148	173	198	161	186	211

Bore Symbol	B	C	C1	D	D1	E	E1	F	G	G1	H	I	J	K	L
8	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.5
10	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.5
12	38	17	17	10	6	10	6	9	10	6	16	17	5	M6×1	M16×1.5
16	37	19	19	10.5	6	10.5	6	9	10.5	6	16	16	5	M6×1	M16×1.5
20	43	21	21	14	7.5	14	7.5	9	14	7.5	20	16	6	M8×1.25	M22×1.5
25	50	21	21	15	8	15	8	12	15	8	22	22	6	M10×1.25	M22×1.5
32	48	27	12	17	8.5	17	8.5	15	17	8.5	22	18	6	M10×1.25	M27×2
40	51	27	14	16	8	16	8	15	16	8	23	20	8	M12×1.5	M33×2

Bore Symbol	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	15.5	5
20	7	23	13	30	8	16	22	27	28.5	12	29	G1/8	8	17.5	6
25	7	28	11	30	8	16	22	27	28.5	17	29	G1/8	10	17.5	7
32	9	26	12	38	10	20	27	35	36.5	17	36	G1/8	12	8	10
40	9	28	12	45	10	20	33	42	43.5	22	45	G1/4	16	10	14

Return Catalog

DN Series

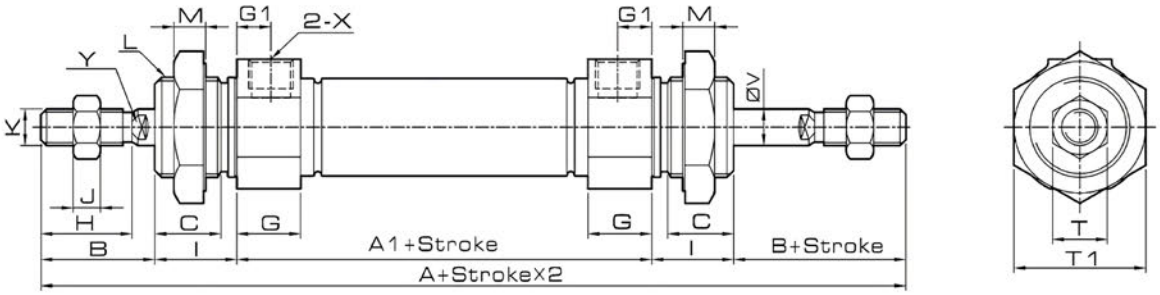
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

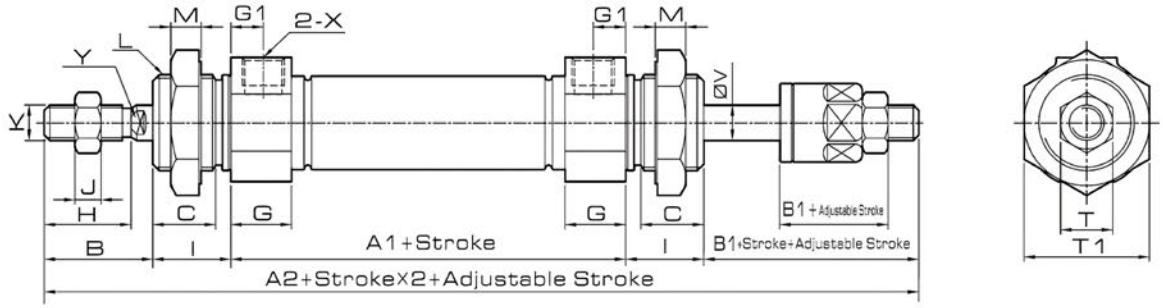
Overall Dimension

DND



Cylinder with or without magnet is the same size

DNJ



Cylinder with or without magnet is the same size

Dimension

Bore Symbol	A	A1	A2	B	B1	C	D	G	G1	H	I	J	K	L	M	T	T1	V	X
8	102	46	100.5	16	14.5	9.3	-	10	5.5	12	12	6	M4×0.7	M12×1.25	6	7	17	4	M5×0.8
10	102	46	100.5	16	14.5	9.3	-	10	5.5	12	12	6	M4×0.7	M12×1.25	6	7	17	4	M5×0.8
12	126	50	126	21	21	14	5	10	6	16	17	5	M6×1	M16×1.5	6	10	24	6	M5×0.8
16	129	55	129	21	21	13	5	10.5	6	16	16	5	M6×1	M16×1.5	6	10	24	6	M5×0.8
20	150	64	150	27	25	14.5	6	14	7.5	20	16	6	M8×1.25	M22×1.5	7	12	29	7	G1/8
25	166	66	165	28	27	18.5	8	15	8	22	22	6	M10×1.25	M22×1.5	7	17	29	10	G1/8
32	168	72	165	30	27	14	10	17	8.5	22	18	6	M10×1.25	M27×2	9	17	36	12	G1/8
40	174	72	172	31	29	16	14	16	8	23	20	8	M14×1.5	M33×2	9	22	45	16	G1/4

Return Catalog

DN / DSN Series

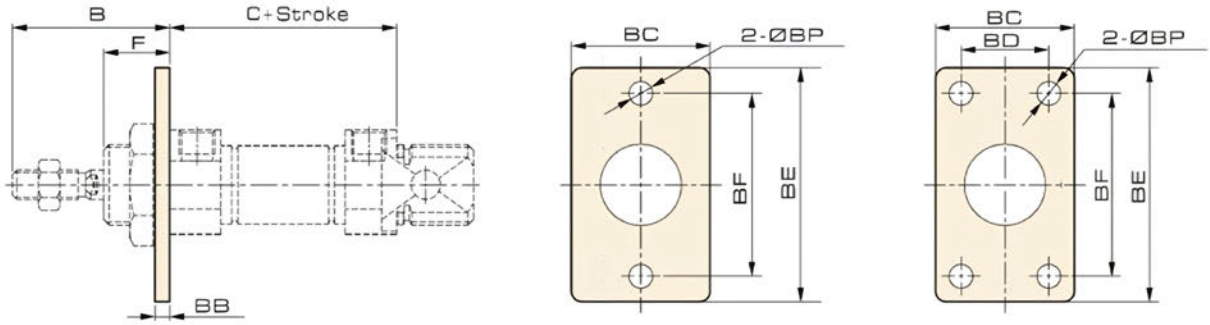
Mini Cylinder Accessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

FA

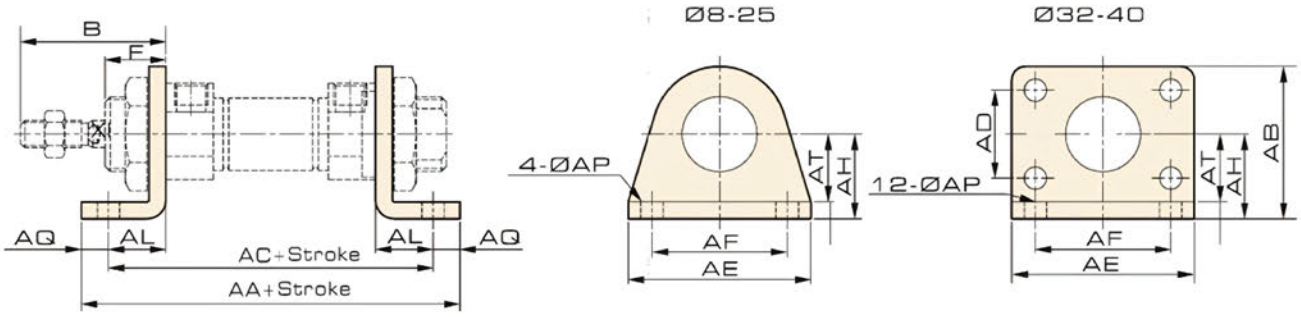


Dimension

Symbol / Bore Stroke	B	C(DN/ DSN Series)	CB(MSAL/MTAL Series) 0-50	50-100	100-150	BB	BC	BD	BE	BF	BP	F
8	28	46	71	-	-	3	22	-	40	30	4.5	12
10	28	46	71	-	-	3	22	-	40	30	4.5	12
12	38	50	75	-	-	4	30	-	52	40	5.5	17
16	37	55	80	105	-	4	30	-	52	40	5.5	16
20	43	64	89	114	139	5	40	-	66	50	6.6	16
25	50	66	91	116	141	5	40	-	66	50	6.6	2.2
32	48	72	97	122	147	5	45	20	80	60	7	18
40	51	72	97	122	147	5	50	30	100	80	9	20

Overall Dimension

LB



Dimension

Symbol / Bore Stroke	B	AA(DN/ DSNSeries)	AA(DS/DT Series) 0-50	50-100	100-150	AB	AC(DN/ DSNSeries)	AC(DS/DT Series) 0-50	50-100	100-150	AD	AE	AH	AL	AQ	AT	F
8	28	76	103	-	-	-	68	93	-	-	-	35	16	11	5	3	12
10	28	76	103	-	-	-	68	93	-	-	-	35	16	11	5	3	12
12	38	91	115	-	-	-	78	103	-	-	-	42	20	14	6	4	17
16	37	98	120	145	-	-	83	108	133	-	-	42	20	14	6	4	16
20	43	115	139	164	189	-	98	123	148	173	-	54	25	17	8	5	16
25	50	126	141	166	191	-	100	125	150	175	-	54	25	17	8	5	22
32	48	135	143	168	193	49	104	129	154	179	28	66	28	16	7	5	18
40	51	138	157	182	207	58	124	137	162	187	30	80	33	20	10	5	20

Return Catalog

DN / DSN Series

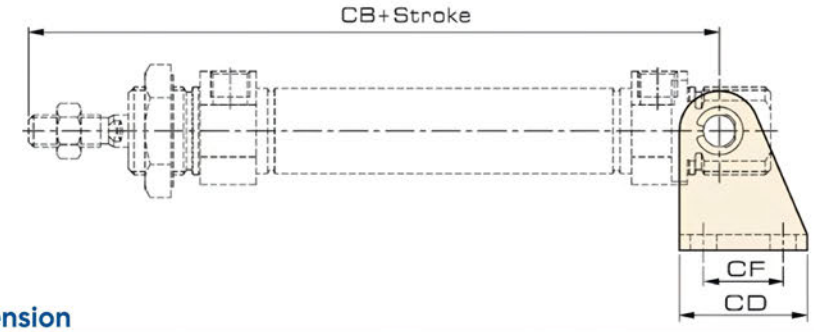
Mini Cylinder Accessory

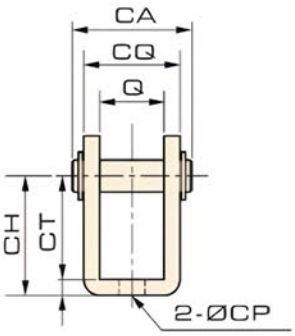
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

SDB



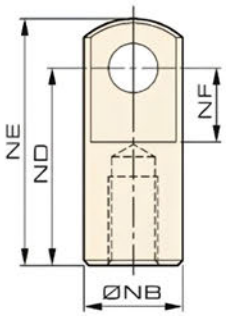


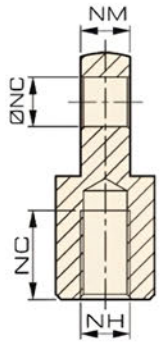
Dimension

Symbol / Bore Stroke	D	Q	CA	CB(MAL Series)	CB(MSAL/MTAL Series) 0-50	50-100	100-150	CD	CF	CH	CT	CP	CQ
8	11.3	8.1	17.3	76	101	-	-	20	12.5	24	2.5	4.5	13.1
10	11.3	8.1	17.3	76	101	-	-	20	12.5	24	2.5	4.5	13.1
12	12	12.1	23.3	91	116	-	-	25	15	27	3	5.5	18.1
16	13	12.1	23.3	98	123	148	-	25	15	27	3	5.5	18.1
20	16	16.1	30	115	140	165	190	32	20	30	40	6.5	24.1
25	16	16.1	30	126	151	176	201	32	20	30	40	6.5	24.1
32	19.5	20.1	34.6	135	160	185	210	41	24	35	4	9	28.1
40	26	20.1	36.6	138	163	188	213	52	30	40	5	9	30.1

Overall Dimension

I Knuckle

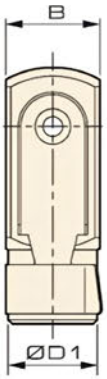


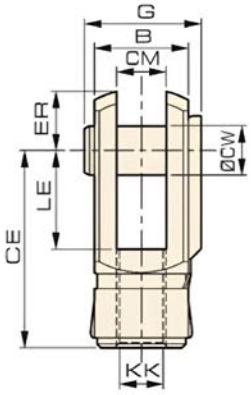


Dimension

Model	NB	NC	ND	NE	NF	NG	NH	NM	Bore	8	10	12	16	20	25	32	40
F-M04070I	10	4	16	21	7	6	M4×0.7	4	Adapted fitting form	√	√						
F-M061700I	12	5	21	28	8.5	8	M6×1	6				√	√				
F-M08125I	16	8	30	40	11	15	M8×1.25	8						√			
F-M10125I	20	10	40	52	15	18	M10×1.25	10							√	√	
F-M12125I	24	12	48	62	24	18	M12×1.25	12									
F-M14150I	28	14	56	72	28	21	M14×1.5	14									√

CK Knuckle





Model	KK	B	CE	CM	CR	CW	D1	G	LE	
F-M04070CK	M4×0.7	8	16	4	21	4	8	11	8	DSN8 / DSN10
F-M06100CK	M6×1	12	24	6	31	6	10	16	12	DSN12 / DSN16
F-M08125CK	M8×1.25	16	32	8	42	8	14	20	16	DSN20
F-M10125CK	M8×1.25	20	40	10	52	10	18	25.5	20	DSN25 / DSN32
F-M12125CK	M12×1.25	24	48	12	62	12	20	29.5	24	
F-M14150CK	M14×1.5	27	56	14	72	14	24	29.5	28	DSN40
F-M16150CK	M16×1.5	32	64	16	83	16	26	38.5	32	
F-M20150CK	M20×1.55	40	80	20	105	20	34	47	40	

Return Catalog

OSPP-Classic

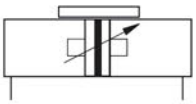
Rodless Pneumatic Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Rodless Pneumatic Cylinder

OSPP-Classic Ø16-80 mm



Series OSPP .. -C

Standard Versions

- Double-acting with adjustable end cushioning.
- With magnetic piston for position sensing.

Special Versions

- Stainless steel screws
- Slow speed lubrication
- Viton® seals
- Air connection on the end-face
- Both air connections on one end
- Integrated Valves VOE



- End cap can be rotated 4×90° to position air con-nection as desired
- Free choice of strokelength up to 6000 mm,longer strokes on request.

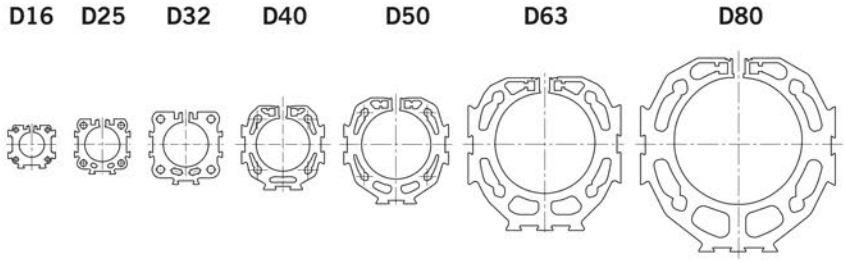
Characteristics

General Features		Symbol	Unit	Description	
Type				Rodless cylinder	
Series				OSPP-C	
System				Double-acting,with cushioning, position sensingcapability	
Mounting				See drawings	
Air Connection				Threaded	
Ambient temperature range		T_{min} T_{mix}	°C °C	-10 +80	Othertemperature ranges on request
Weight (mass)			kg	See table below	
Installation				In any position	
Medium				Filtered, unlubricated compressed air (other media on request)	
Lubrication				Permanentgreaselubrication(additional oil mist lubrication not required) Option:special slowspeed grease	
Material	Cylinder Profile			Anodized aluminium	
	Carrier(piston)			Anodized aluminium	
	End caps			Aluminium, lacquered	
	Sealingbands			Corrosion resistant stee!	
	Seals			NBR (Option: Viton®)	
	Screws			Galvanized steel Option:stainless steel	
	Dust covers, wipers			Plastic	
Max.operating pressure!		P max	bar	8	

Weight (kg)

Series	at 0 mm stroke	Pre 100 mm stroke
OSPP 16-C	0.25	0.1
OSPP 25-C	0.74	0.197
OSPP 32-C	1.62	0.354
OSPP 40-C	2.10	0.415
OSPP 50-C	3.74	0.566
OSPP 63-C	6.12	0.925
OSPP 80-C	12.42	1.262

Size Comparison



Return Catalog

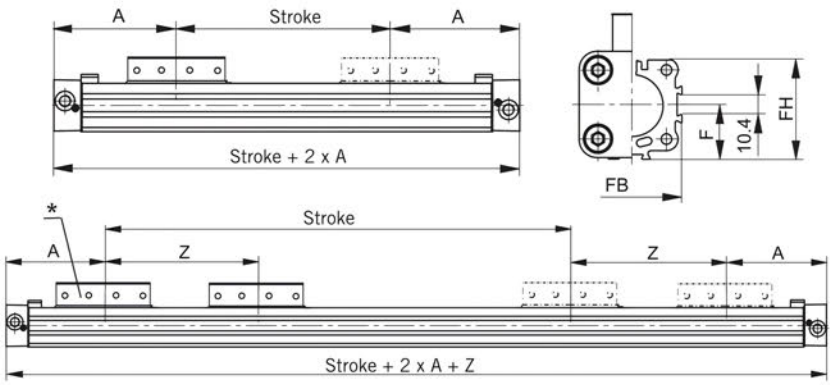
OSPP-Classic

Rodless Pneumatic Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Dimensions of Basic Cylinder



CylinderStroke and Dead Length A

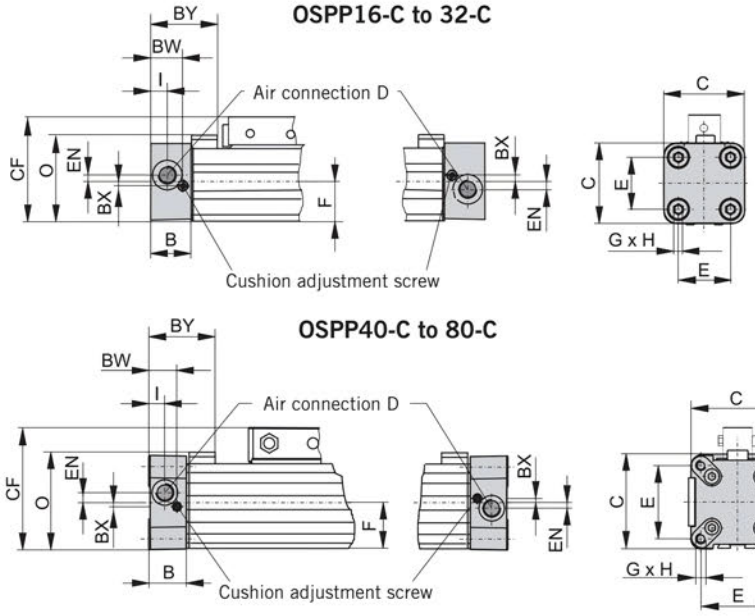
- Free choice of stroke length up to 6000 mm in l mm steps.
- Longer strokes on request.

Tandem Cylinder

Two pistons are fitted: dimension "Z"is optional.(Please note minimum distance "Zmin").

- Free choice of stroke length up to 6000 mm in 1 mm steps.
- Longer strokes on request.
- Stroke length to order is stroke + dimension "Z".

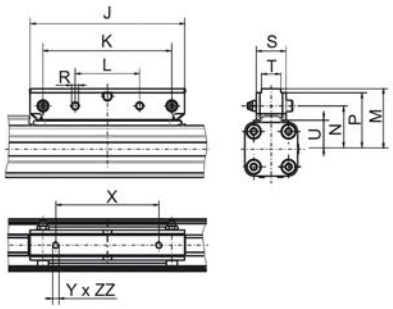
End Cap/Air Connection can be rotated 4×90°



Please note:
To avoid multiple actuation of magnetic switches, the second piston is not equipped with magnets.

* Piston with magnet

Carrier Series



Dimension (mm)

Series	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
OSPP 16-C	65	14	30	M5	18	15	M3	9	5.5	76	64	32	30	24	33.2
OSPP 25-C	100	22	41	G1/8	27	21.5	M5	15	9	120	100	50	46	33	7
OSPP 32-C	125	25.5	52	G1/4	36	28.5	M6	15	11.5	160	120	60	60	46	59
OSPP 40-C	150	28	69	G1/4	54	34	M6	15	12	150	110	55	61	49	72
OSPP 50-C	175	33	87	G1/4	70	43	M6	15	14.5	180	140	70	69	57	86
OSPP 63-C	215	38	106	G3/8	78	54	M8	21	14.5	220	180	90	83	68	107
OSPP 80-C	260	47	132	G1/2	96	67	M10	25	22	280	240	120	101	83	133

Series	P	R	S	T	U	X	Y	Zmin	CF	BW	BX	BY	EN	FH	ZZ
OSPP 16-C	29	4.5	18	10	17	48	M4	81	45	10.8	1.8	28.4	3	27.2	8
OSPP 25-C	43	5.5	23	15	22.5	80	M5	128	67.5	17.5	2.2	40	3.6	39.5	10
OSPP 32-C	54.3	7	27	18	28.5	90	M6	170	88.3	20.5	2.5	44	5.5	51.7	15
OSPP 40-C	56.8	7	28	18	35	90	M6	212	95.3	21	3	54	7.5	63	12
OSPP 50-C	65	7	28	18	40	110	M6	251	112.5	27	-	59	11	77	12
OSPP 63-C	77.8	9	30	19	50	140	M8	313	136.8	30	-	64	12	96	16
OSPP 80-C	95	11	32	20	57	180	M10	384	168	37.5	-	73	16.5	122	20

Return Catalog

OSPP-Classic

Rodless Pneumatic Cylinder

VILOP PNEUMATIC CO.,LTD

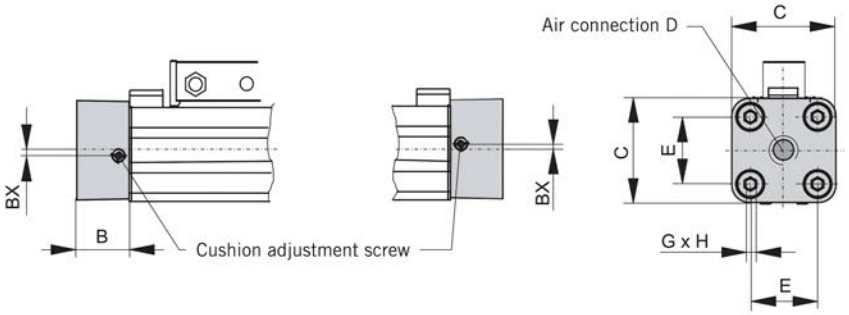
Cylinder series/Gas source series/Valve series/Other series

Air Connection on the End-face

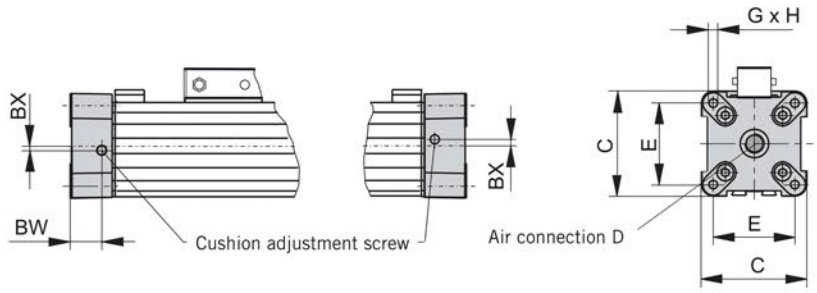
In some situations it is necessary or desirable to fit a special end cap with the air connection on the end-face instead of the standard end cap with the air connection on the side. The special end cap can also be rotated 4 ×90° to locate the cushion adiustment screw as desired.Supplied in pairs.



Series OPSS 16-C to 32-C



Series OPSS 40-C to 80-C



Dimension

Series	B	C	D	E	G	H	BX	BW
OSPP 16-C	14	30	M5	18	M3	9	1.8	10.8
OSPP 25-C	22	41	G1/8	27	M5	15	2.2	17.5
OSPP 32-C	25.5	52	G1/4	36	M6	15	2.5	20.5
OSPP 40-C	28	69	G1/4	54	M6	15	3	21
OSPP 50-C	33	87	G1/4	70	M6	15	-	27
OSPP 63-C	38	106	G3/8	78	M8	21	-	30
OSPP 80-C	47	132	G1/2	96	M10	25	-	37.5

Return Catalog

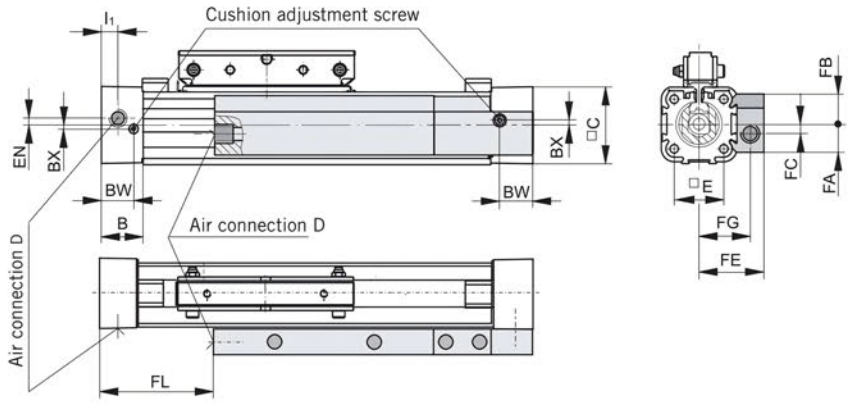
OSPP-Classic

Rodless Pneumatic Cylinder

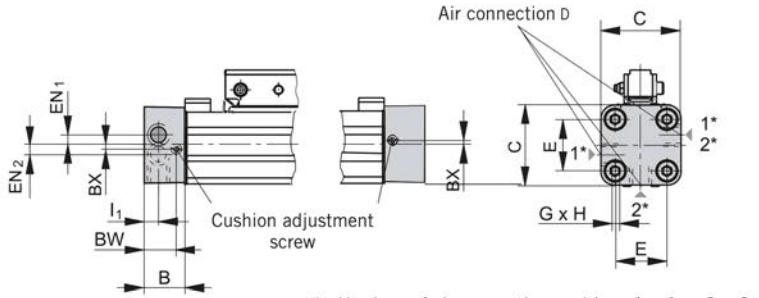
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Series OSPP 16-C

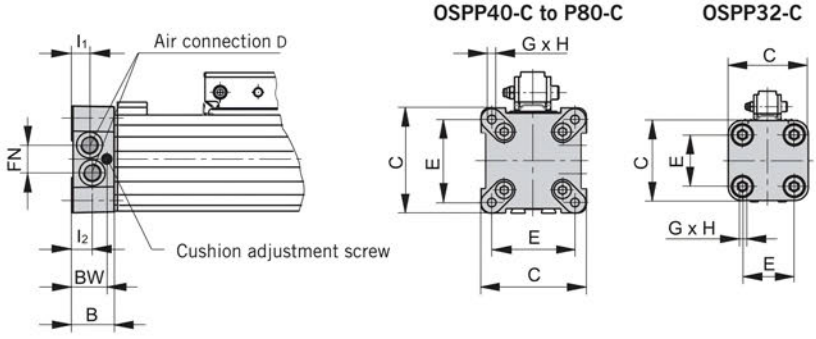


Series OSPP 25-C



* Versions of air connection positions 1=>1 or 2=>2, the unused connection must be closed!

Series OSPP 32-C to 80-C



Both Air Connectionsat One End

A special end cap with both air connections on one side is available for situations where shortage of space, simplicity of installation or the nature of the process make it desirable.

Air supply to the other end is via internal air passages(OSPP25-C to 80-C) or via a hollow aluminium profile fitted externally(OSPP16-C).

In this case the end caps cannot be rotated.



Dimension (mm)

Series	B	C	D	E	G	H	l1	l2	BX	BW	EN	EN1	EN2	FA	FB	FC	FE	FG	FL	FN
OSPP 16-C	14	30	M5	18	M3	9	5.5	-	1.8	10.8	3	-	-	12.6	12.6	4	27	21	36	-
OSPP 25-C	22	41	G1/8	27	M5	15	9	-	2.2	17.5	-	3.6	3.9	-	-	-	-	-	-	-
OSPP 32-C	25.5	52	G1/8	36	M6	15	12.2	10.5	-	20.5	-	-	-	-	-	-	-	-	-	15.2
OSPP 40-C	28	69	G1/8	54	M6	15	12	12	-	21	-	-	-	-	-	-	-	-	-	17
OSPP 50-C	33	87	G1/4	70	M6	15	14.5	14.5	-	27	-	-	-	-	-	-	-	-	-	22
OSPP 63-C	38	106	G3/8	78	M8	21	16.5	13.5	-	30	-	-	-	-	-	-	-	-	-	25
OSPP 80-C	47	132	G1/2	96	M10	25	22	17	-	37.5	-	-	-	-	-	-	-	-	-	34.5

Return Catalog

SC/SU Series

Standard Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Ordering Code

SC	D	50	63	25	S	LB	MT
Series	Series Code	Bore	Stroke	Bore	Magnet	Mountngs	Sensor
SC: Tie rod type 	Blank: Standard double acting 	30 / 40		10:10 mm	S: With magnet	Blank: Basic mounting	Contact Customer Service
SU: Profile Type 	D: Double-shaft double acting 	50 / 63		20:20 mm	Blank: Without magnet	LB: Front and back mounting 	
	J: Double-shaft with adjustable stroke type 	80 / 100		30:30 mm		FA: Front mounting flange FB: Back mounting flange 	
		125 / 160		50:50 mm		CA: Back clevis (single earring) 	
		200 / 250		75:75 mm		CB: Back hinge (double earring) 	
		320		100:100 mm		TC-M: Center trunnion 	

Specification

Bore (mm)	32	40	50	63	80	100	125	160	200	250	320
Operation	Double Acting										
Working Medium	Air										
*Mountings	Basic FA FB CA CB LB TC TC-M										
Operating Pressure Range	1~9.0Kgf/cm²										
Proof Pressure	13.5Kgf/cm²										
Operating Temperature Range	-20~70°C										
Operating Speed Range	50~800mm/s										
Cushion	Adjustable Cushion										
Adjustable Cushion Stroke	20 mm				26 mm				45 mm	52 mm	66 mm
Port Size	G1/8"	G1/4"		G3/8"		G1/2"			G3/4"	G1"	

* SCD, SCJ mountings: FA, FB, LB, TC and TC-M type

Return Catalog

SC/SU Series

Standard Cylinder

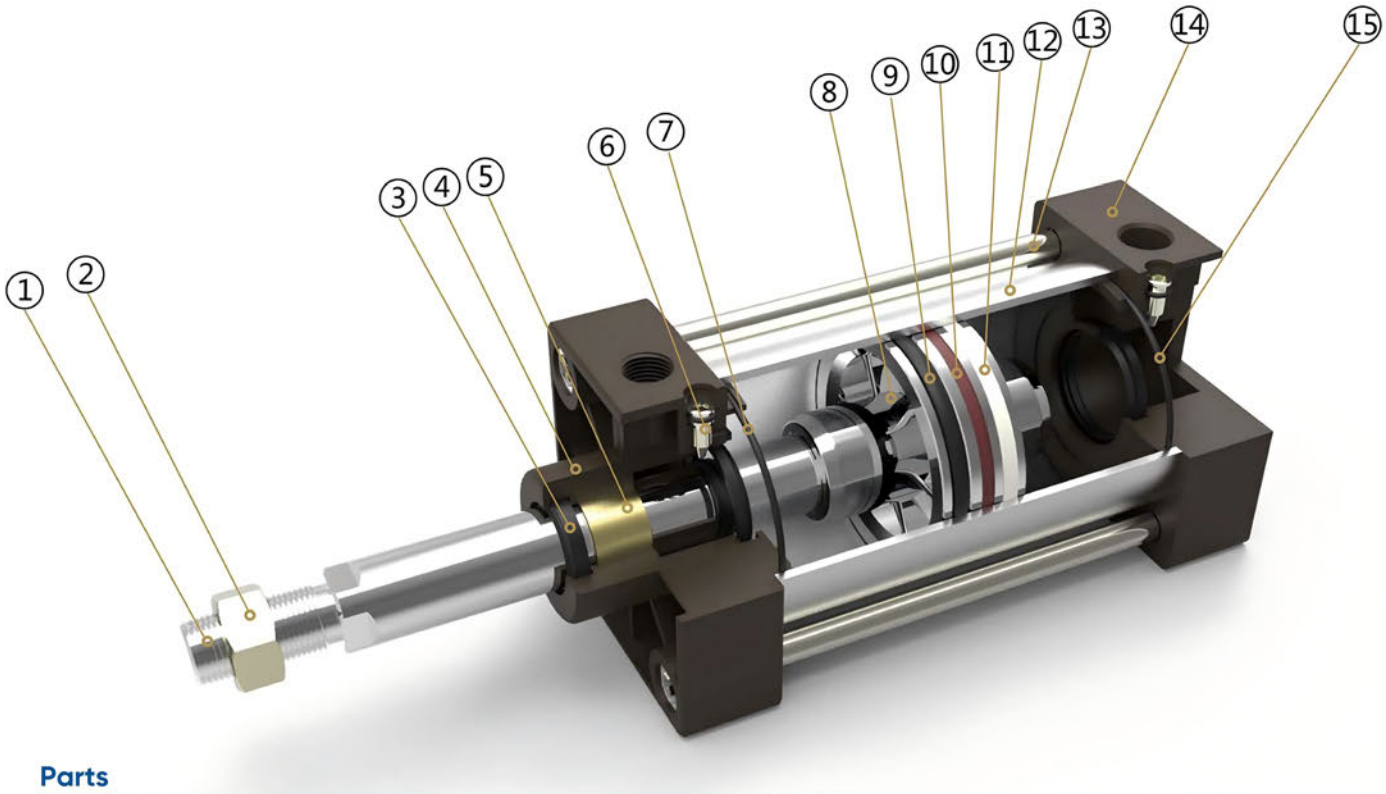
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Stoke

Bore	Standard Stroke	Max.Stroke	AllowableStroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
160	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
250	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
320	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	Piston seal
2	Hexagon nut	10	Magnet
3	Shaft seal	11	Anti-friction ring
4	Front cover	12	Barrel
5	Copper tube	13	Pull rod
6	Cushion adjust screw	14	Back cover
7	Cushion seal	15	O ring
8	Piston		

Return Catalog

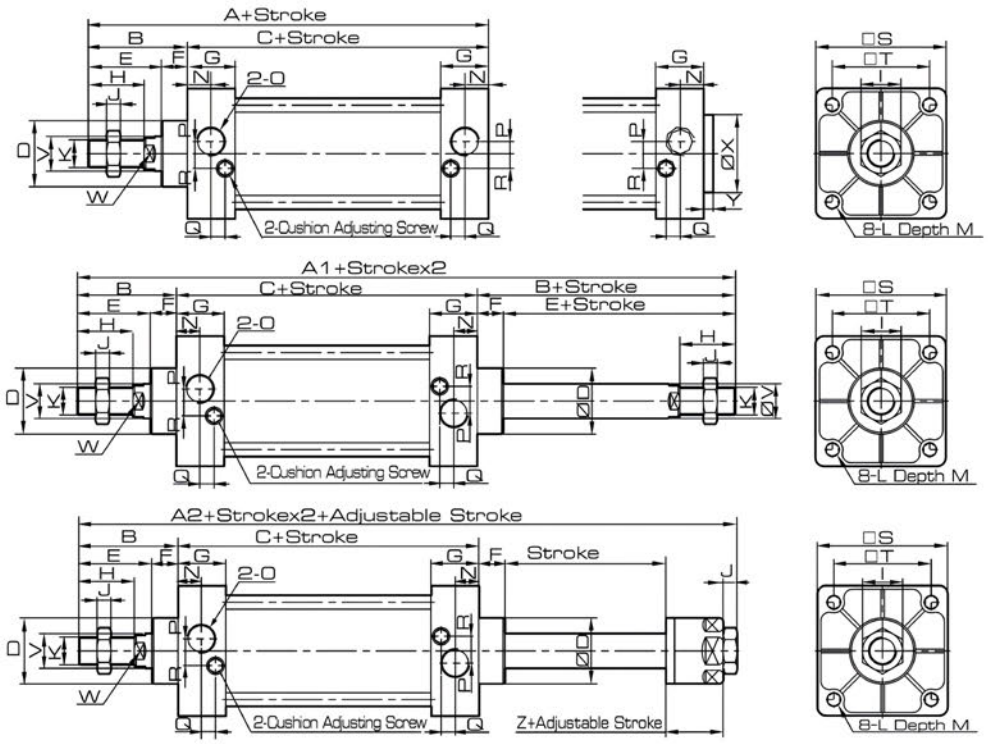
SC/SU Series

Standard Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension



Dimension

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25	M6
40	141	191	185	48	93	32	34	15	27.5	24	17	7	M12×1.25	M6
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16×1.25	M6
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16×1.25	M8
80	183	258	243	75	108	47	54	21	33	40	26	10	M20×1.5	M10
100	189	264	249	75	114	47	54	21	33	40	26	10	M20×1.5	M10
125	251	357	340	106	145	55	74	32	40	54	40	10	M27×2	M12
160	291	414	377	123	168	62	93	30	50	72	55	18	M36×2	M16
200	347	514	458	167	180	80	112	55	50	72	55	18	M36×2	M16
250	389	578	-	189	200	90	122	67	54	84	65	21	M42×2	M20
320	436	652	-	216	220	110	126	90	65	96	75	24	M48×2	M24

Bore/Symbol	M	N	O	P	Q	R	S	T	V	W	Z	X	Y
32	9.5	13.5	G1/8	3.5	7.5	7	56	33	12	10	21	-	-
40	9.5	1.5	G1/4	6	8.2	9	60	37	16	14	21	-	-
50	9.5	13.5	G1/4	8.5	8.2	9	62	47	20	17	23	-	-
63	9.5	13.5	G3/8	7	8.2	8.5	75	56	20	17	23	-	-
80	11.5	16.5	G3/8	10	9.5	14	94	70	25	22	29	-	-
100	11.5	16.5	G1/2	11	9.5	14	112	84	25	22	29	-	-
125	15.5	16.5	G1/2	10	10	11	140	110	32	27	-	-	-
160	17.5	25	G1/2	-	-	-	180	140	40	36	-	-	-
200	17.5	25	G3/4	-	-	-	220	175	40	36	-	-	-
250	25	31	G1	18.5	5	40	270	220	50	46	-	90	10
320	28	31	G1	35	15	35	350	270	63	55	-	110	10

Return Catalog

SC/SU/SQ

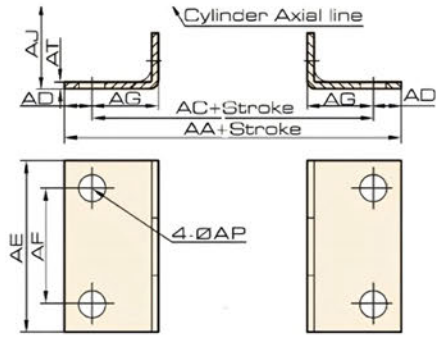
Large Size cylinderAccessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

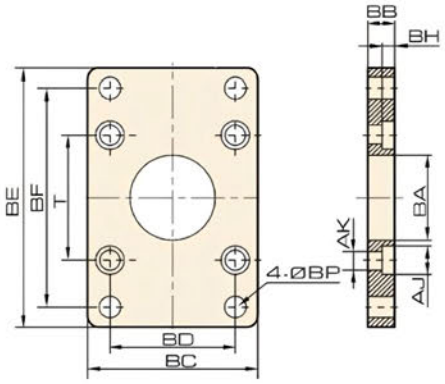
LB Foot



Dimension

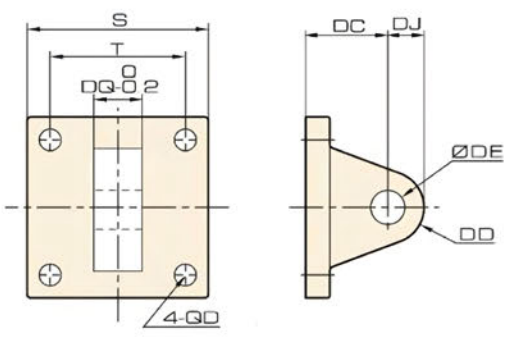
Bore/Symbol	32	40	50	63	80	100	125	160	200
AA	15	169	173	184	200	210	249	328	380
AC	134	140	149	158	168	174	249	288	320
AD	9.5	14.5	12	12	16	18	18	20	28
AE	50	57	68	80	97	112	140	180	220
AF	33	36	47	56	70	84	90	115	135
AG	20.5	23.5	28	31	30	30	45	60	70
AJ	28	30	36.5	41	49	57	90	115	135
AP	9	12	12	12	14	14	16	18	22
AT	3	3	3	3	4	4	7	7	9

FA FB Flange



Bore/Symbol	32	40	50	63	80	100	125	160	200
BA	28.3	32.3	38.3	38.3	47.3	47.3	62	72	82
BB	10	10	10	12	16	16	20	20	25
BC	47	52	65	76	95	115	141	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	218	278	322
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	13	15	18
AJ	10.5	10.5	10.5	13.5	16.6	16.6	19	25	25
AK	6.5	6.5	6.5	8.5	10.5	10.5	12.5	18	18
BP	7	7	9	9	12	12	16	18	22
T	33	37	47	56	70	84	110	140	175

CA Clevis



Bore/Symbol	32	40	50	63	80	100	125	160	200
S	45	50	62	75	94	112	140	177	217
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	15	15	20	20	25	30	30
DE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	25	28	25
DQ	16	20	20	20	32	32	70	90	90
D	6.5	6.5	6.5	8.5	10.5	10.5	12.5	18	18

Return Catalog

SC/SU/SQ

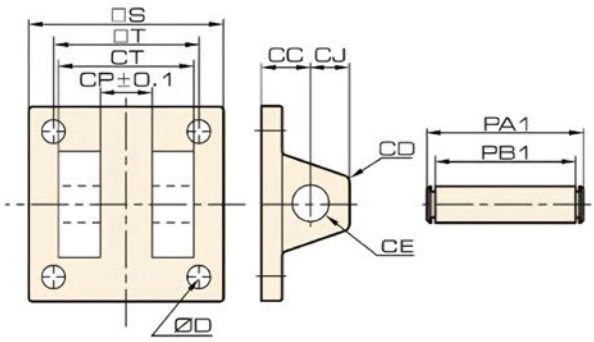
Large Size cylinderAccessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

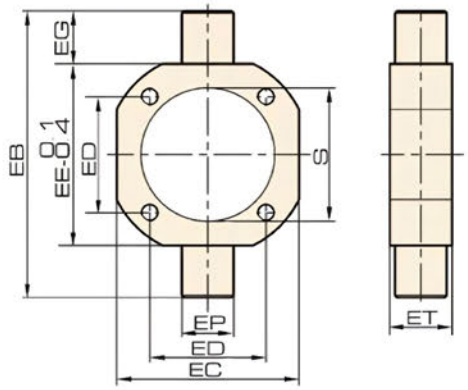
CB Double Earring



Dimension

Bore/Symbol	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	3	8	8	25	30	35
CE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	25	33
CP	16.3	20.5	20.3	20.5	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	162	75
PAI	41	53	61	61	75	75	136	175	188
PBI	34	46	54	54	66	66	124	162	177
S	48	50	62	75	94	112	140	176	217
T	33	37	47	56	70	84	110	140	175
D	6.5	6.5	6.5	8.5	10.5	10.5	12.5	18	18

TC Center Trunnion



Bore/Symbol	32	40	50	63	80	100	125	160	200
EB	87	113	126	138	164	182	210	276	320
EC	53	63	76	88	114	132	150	94	244
ED	33	37	47	56	70	84	110	140	175
EE	55	63	76	88	114	132	160	200	245
EG	16	25	25	25	25	25	25	36	36
EP	16	25	25	25	25	25	30	32	32
ET	30	30	30	30	35	40	36	40	46
S	37.5	45.5	55.5	68.5	87.5	107.5	135	72	210

Return Catalog

SC/SU/SQ

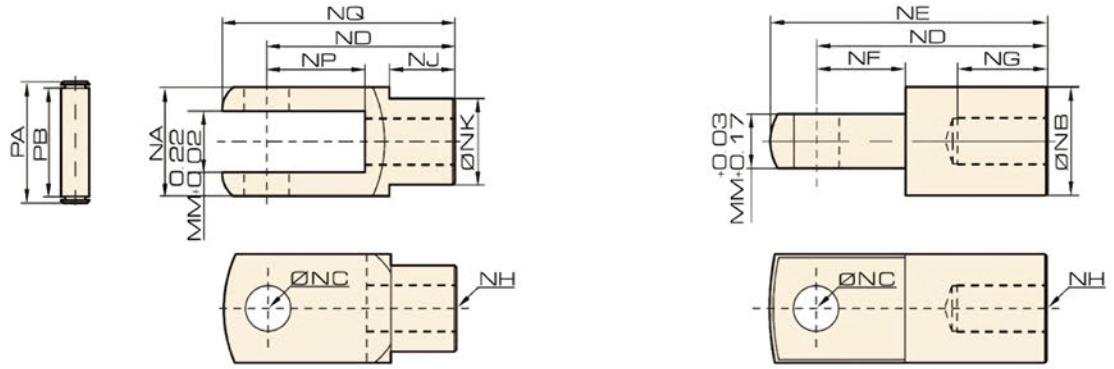
Large Size cylinderAccessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

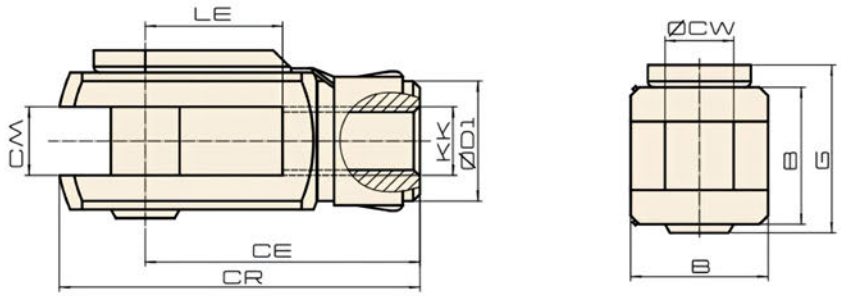
Y/I Knuckle



Dimension

Model	NA	NB	NC	ND	NE	NF	NG	NH	NJ	NK	MM	NQ	NP	PA	PB
F-M10125I/Y	19	20	10	40	52	15	20	M10×1.25	15.5	16	10	52	20	30	21
F-M12125I/Y	24	24	12	48	62	24	20	M12×1.25	20.5	20	12	62	24	36	27
F-M16150I/Y	32	32	16	64	89	32	23	M16×1.5	26	30	16	83	32	44	34
F-M16150I/Y	32	32	16	64	89	32	23	M16×1.5	26	30	16	83	32	44	34
F-M20150I/Y	40	40	20	80	112	40	30	M20×1.5	30	38	20	105	39.5	52	42
F-M20150I/Y	40	40	20	80	112	40	30	M20×1.5	30	38	20	105	39.5	52	42
F-M27200I/Y	62	49	20	99	122	54	50	M27×2	28	38	30	120	43	75	66
F-M36200I/Y	70	61	30	125	155	43	70	M36×2	40	53	40	153	43	96	82
F-M36200I/Y	70	61	30	125	155	43	70	M36×2	40	53	40	153	43	96	82

CK Type Y Knuckle



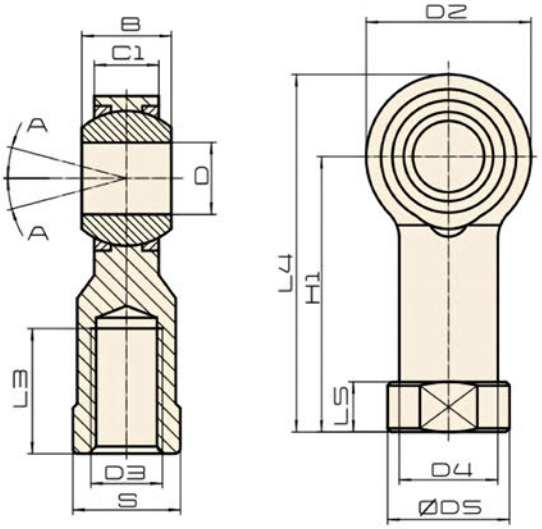
Dimension

Model	KK	B	CE	CM	CR	CW	D1	G	LE
F-M04070CK	M4×0.7	8	16	4	21	4	8	11	8
F-MO5080CK	M5×0.8	10	20	5	26	5	9	13	10
F-M06100CK	M6×1	12	24	6	31	6	10	16	12
F-M08125CK	M8×1.25	16	32	8	42	8	14	20	16
F-M10125CK	M10×1.25	20	40	10	52	10	18	25.5	20
F-M12125CK	M12×1.25	24	48	12	62	12	20	29.5	4
F-M14150CK	M14×1.5	27	56	14	72	14	24	29.5	28
F-M16150CK	M16×1.5	32	64	16	83	16	26	38.5	32
F-M18150CK	M18×1.5	36	72	18	94	18	30	42	36
F-M20150CK	M20×1.5	40	80	20	105	20	34	47	40
F-M27200CK	M27×2	55	112	30	148	30	48	63	56

Return Catalog

Overall Dimension

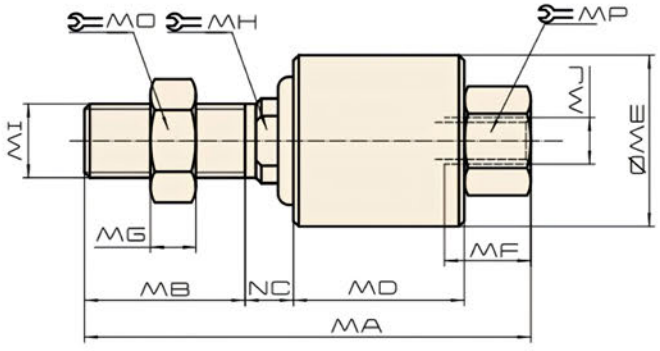
PHSA Universa
Piston Rod Eye



Dimension

Model	D3	D	D2	D5	S	B	L5	C1	H1	L3	D4	L4	A°
F-MO5070PHSA	M5×0.8	5	18	11	9	8	4	6	27	10	8.5	36	13
F-M06100PHSA	M6×1	6	20	13	11	9	5	6.75	30	12	10	40	13
F-MO8125PHSA	M8×1.25	8	24	16	14	12	5	9	36	16	12.5	48	14
F-M10125PHSA	M10×1.25	10	28	19	17	14	6.5	10.5	43	20	15	57	13
F-M12125PHSA	M12×1.25	12	32	22	19	16	6.5	12	50	22	17.5	66	13
F-M14125PHSA	M14×1.5	14	36	25	22	19	8	13.5	57	25	20	75	16
F-M16125PHSA	M16×1.5	16	40	27	24	21	8	15	64	28	22	84	15
F-M181OPHSA	M18×1.5	18	44	31	27	23	10	16.5	71	32	25	93	15
F-M20150PHSA	M20×1.5	20	50	34	30	25	10	18	77	33	27.5	102	14
F-M27200PHSA	M27×2	30	70	50	41	37	15	25	110	51	40	145	17

FDJT Piston
Floating jJiont



Dimension

Model	MI	MJ	MA	MB	MD	ME	MF	MH	MP	MC	MO	MG
F-MO6100FDJT	M6×1	M6×1	35	13	12	16	8	6	10	5	10	5
F-MO8125FDJT	M8×1.25	M8×1.25	53	20	18	24	12	8	13	6	14	6
F-M10125FDJT	M10×1.25	M10×1.25	58	22	21	26	13	10	17	7	17	6
F-M12125FDJT	M12×1.25	M12×1.25	64	22	24	32	15	12	19	8	19	7
F-M16150FDJT	M16×1.5	M16×1.5	90	27	36	45	23	17	27	12	24	8
F-M20150FDJT	M20×1.5	M20×1.5	102	32	40	53	28	22	32	13	30	10
F-M27200FDJT	M27×2	M27×2	120	37	48	60	35	26	41	15	36	12

Return Catalog

SDA Series

Compact Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Features

- Improving for adapting wide range applications,using precisepolishing of piston rod, more sense ofproducts quality and longer life of front seal.
- Adjust the structure to the optimal state, and ensure the smooth operation of the product.
- The piston rod and the back cover cramping technology, improving product quality.
- Combined with enterprise color planning,it is redesigned by new color system and precise treatmentof particulars.

Ordering Code

SDA	20	30	25	S	B	MT
Series	Series	Stroke	Adjustable Stroke	Magnet	Thread Type	Sensor
SDA : Double acting	12 / 16	5-130mm		S : With magnet	Blank : Female thread	CMSG
SSA : Single acting, spring-out	20 / 25			Blank : Without magnet	B : Male thread	
STA : Single acting, spring-in	32 / 40				N : No thread	
SDAD : Double-shaft type	50 / 63					
SDAJ : Double-shaft with adjustable stroke	80 / 100					

Specification

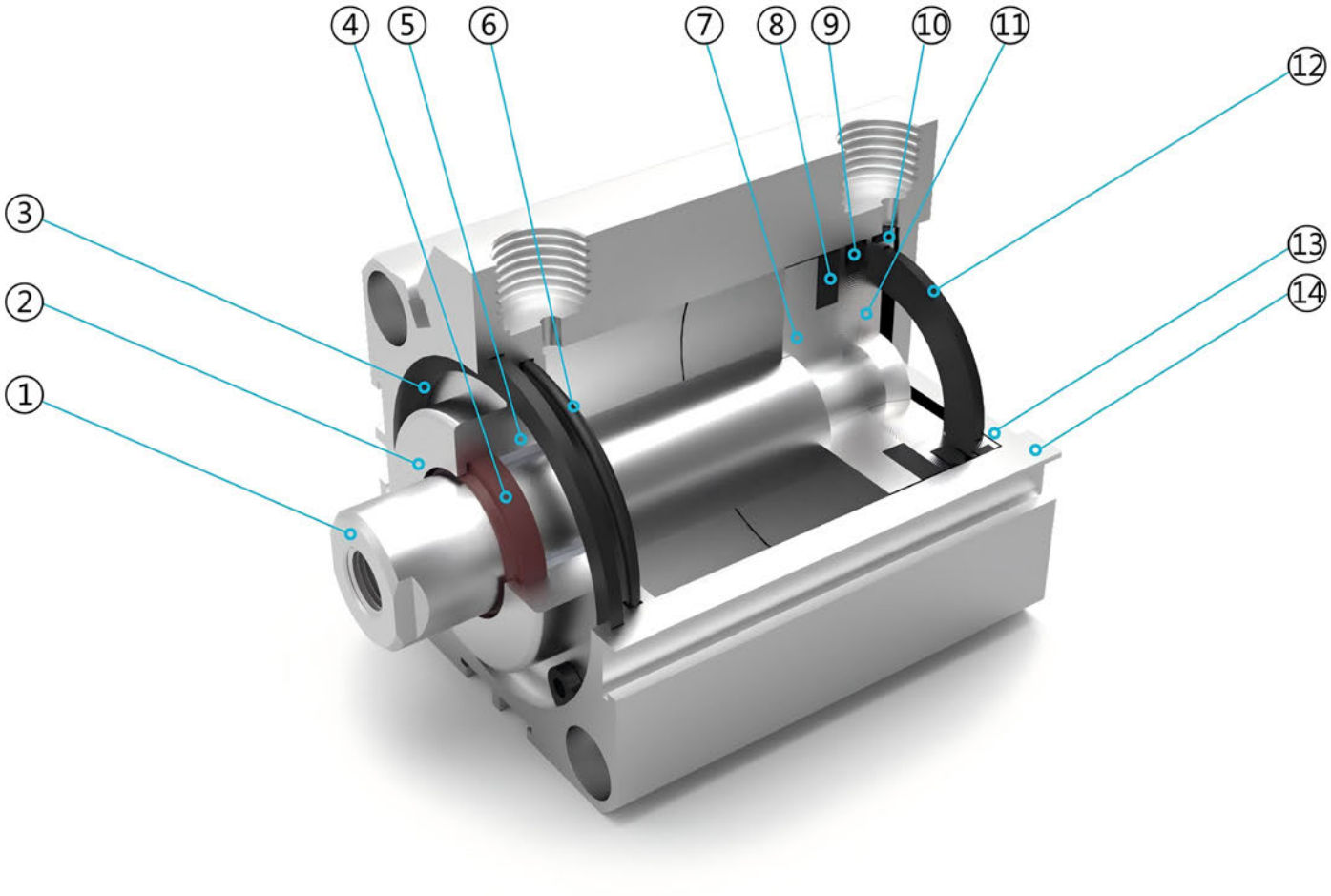
Bore (mm)		12	16	20	25	32	40	50	63	80	100
Operation		Double Acting									
		Single Acting Spring-out/Single Acting Spring-in								-	
Working Medium		Air									
Operating Pressure Range	Double Acting	0.1~1.0Mpa									
	Single Acting	0.2~0.9Mpa								-	
Proof Pressure		1.5 Mpa									
Operating Temperature Range		-20~70°C									
Operating Speed Range	Double Acting	30~500 mm/s					30~350 mm/s		30~350 mm/s		
	Single Acting	50~500 mm/s								-	
Port Size		M5×0.8				G1/8"		G1/4"		G3/8"	

Return Catalog

SDA Series
Compact Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	8	Magnet
2	Front cover	9	Piston seal
3	C clip	10	Anti-friction seal
4	Shaft seal	11	Magnet base
5	DU bearing	12	Anti-collision gasket
6	O ring	13	Back cover
7	Piston	14	Body

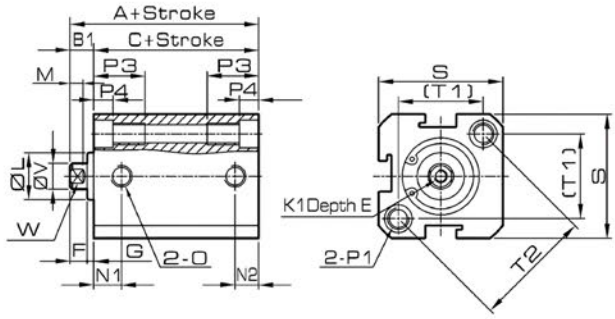
Return Catalog

SDA Series
Compact Cylinder

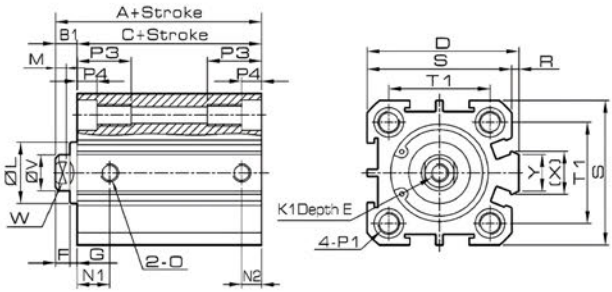
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

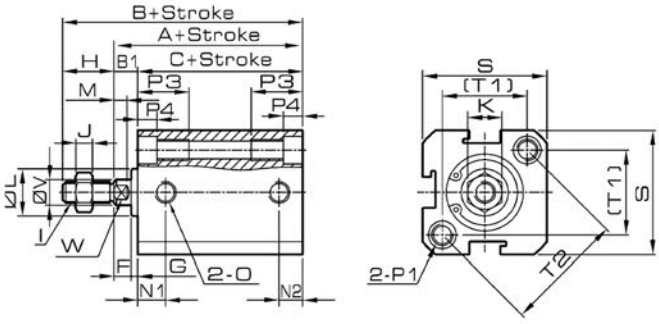
SDA12-16 Female thread



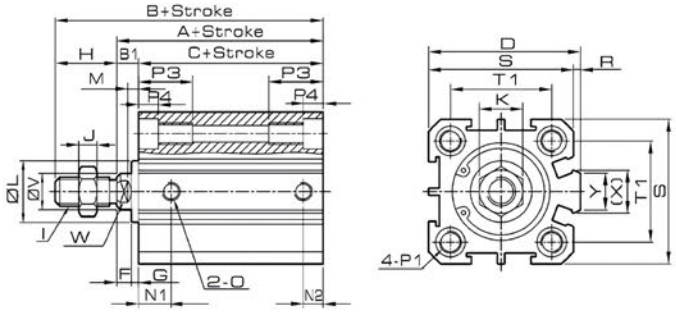
SDA20-100 Female thread



SDA12-16 Male thread



SDA20-100 Male thread



Dimension

Bore/ Symbol	A		B		C		B1	D	E	F	G	H	I	J	K	K1	L	M	N1		N2	
Model	Standard	With Magnet	Standard	With Magnet	Standard	With Magnet													S=5	S>5	S=5	S>5
12	22	32	34	44	17	27	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	10	3	17		5	
16	24	34	36	46	18.5	28.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	11	3	18.5		5	5.5
20	25	35	40	50	19.5	29.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7	13	3	19.5		5.5	
25	37	37	44	54	21	31	6	42	10	4	2	17	M8×1.25	6	14	M5×0.8	17	3	21		5.5	
32	31.5	41.5	49.5	59.5	24.5	34.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0	22	3	24.5		6.5	8
40	33	43	61	71	26	36	7	58.5	12	4	3	28	M14×1.5	8	222	M8×1.25	28	3	26		7.5	
50	37	47	65	75	28	38	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5	38	3	8	10.5	8	10.5
63	41	51	69	79	32	42	9	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5	40	3	9.5	11	9.5	11
80	52	62	85	95	41	51	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5	45	4	11.5	14	11.5	14
100	63	73	101	111	51	61	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5	55	4	15	20	15	18

Bore/Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Ø6.5 / Coq: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	28	-	10	8	12	10
32	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

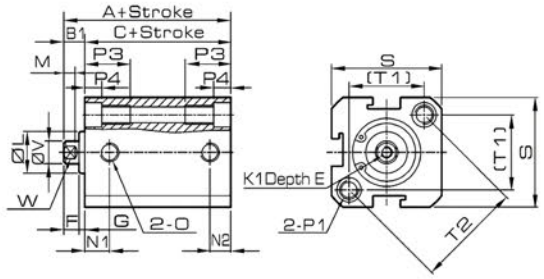
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SDA Series
Compact Cylinder

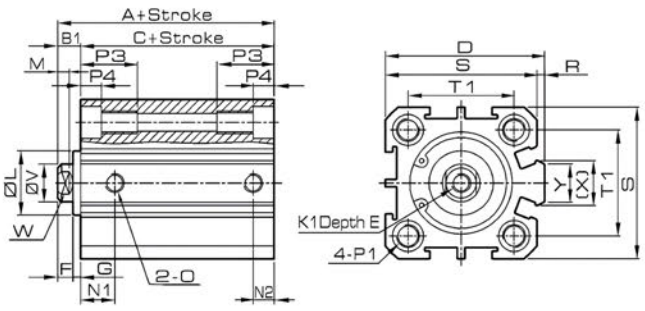
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

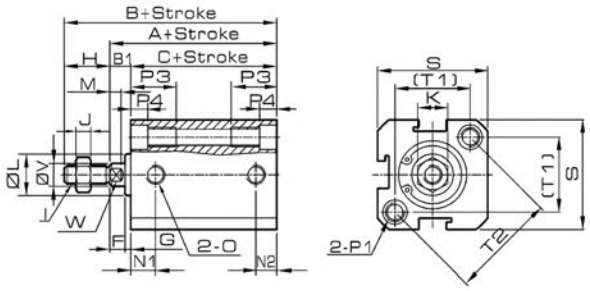
SSDA12-16 Female thread



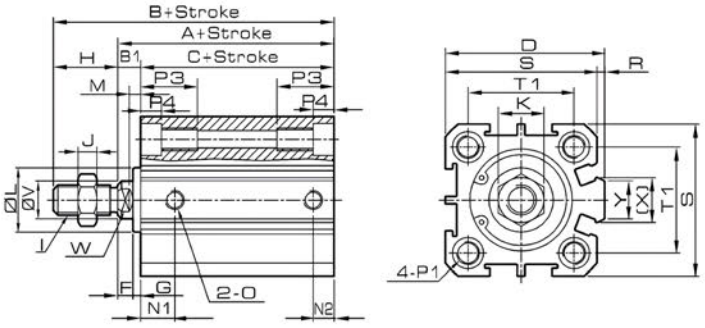
SSDA20-63 Female thread



SSDA12-16 Male thread



SDA20-63 Male thread



Dimension

Bore/Symbol	A				B				C				B1	D	E	F	G	H	I	J	K	K1
Model	Standard		With Magnet		Standard		With Magnet		Standard		With Magnet											
Stroke	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30										
12	32	42	42	52	44	54	54	64	27	37	37	47	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5
16	34	44	44	54	46	56	56	66	28.5	38.5	38.5	48.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5
20	35	45	45	55	50	60	60	70	29.5	39.5	39.5	49.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7
25	37	47	47	57	54	64	64	74	31	41	41	51	6	42	10	4	2	17	M81.25	6	14	M5×0.8
32	41.5	51.5	51.5	61.5	59.5	69.5	69.5	79.5	34.5	44.5	44.5	54.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0
40	43	53	53	63	71	81	81	91	36	46	46	56	7	58.5	12	4	3	28	M14×1.5	8	22	M5×1.25
60	47	57	57	67	75	85	85	95	38	48	48	58	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5
63	51	61	61	71	79	89	89	99	42	52	52	62	9	84	15	5	4	28	M18×1.5	9	27	M10×1.5
80	62	72	72	82	95	105	105	15	51	61	61	71	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5
100	73	83	83	93	111	121	121	131	61	71	71	81	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5

Bore/Symbol	L	M	N1		N2		O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
Stroke			S=5	S>5	S=5	S>5												
12	10	3	7.5		5		M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	11	3	8		5	5.5	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	13	3	8.5		5.5		M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	17	3	9		5.5		M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	28	-	10	8	12	10
32	22	3	9		6.5	8	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	6	34	-	12	10	18	14
40	28	3	9		7.5		G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	38	3	8	10.5	8	10.5	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	40	3	9.5	11	9.5	11	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	45	4	11.5	14	11.5	14	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	55	4	15	20	15	18	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

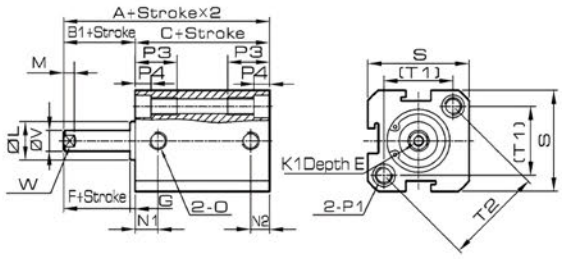
Return Catalog

SDA Series
Compact Cylinder

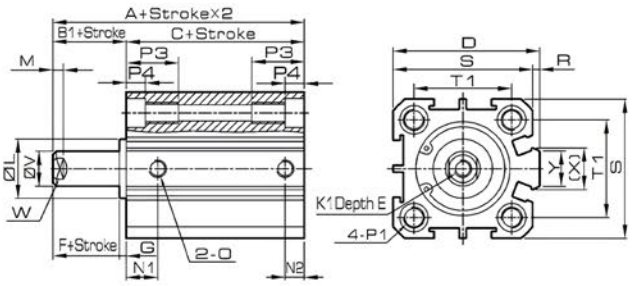
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

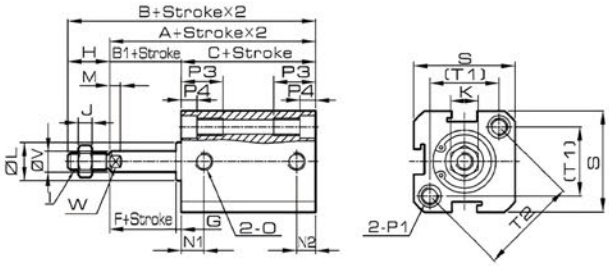
STA12-16 Female thread



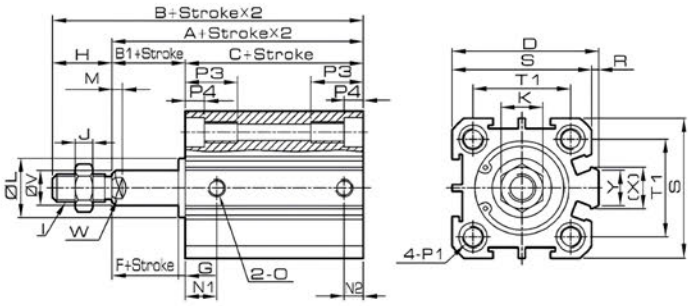
STA20-63 Female thread



STA12-16 Male thread



STA20-63 Male thread



Dimension

Bore/Symbol	A				B				C				B1	D	E	F	G	H	I	J	K	K1
Model	Standard		With Magnet		Standard		With Magnet		Standard		With Magnet											
Stroke	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30	0< S≤10	10< S≤30										
12	32	42	42	52	44	54	54	64	27	37	37	47	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5
16	34	44	44	54	46	56	56	66	28.5	38.5	38.5	48.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5
20	35	45	45	55	50	60	60	70	29.5	39.5	39.5	49.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7
25	37	47	47	57	54	64	64	74	31	41	41	51	6	42	10	4	2	17	M81.25	6	14	M5×0.8
32	41.5	51.5	51.5	61.5	59.5	69.5	69.5	79.5	34.5	44.5	44.5	54.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0
40	43	53	53	63	71	81	81	91	36	46	46	56	7	58.5	12	4	3	28	M14×1.5	8	22	M5×1.25
60	47	57	57	67	75	85	85	95	38	48	48	58	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5
63	51	61	61	71	79	89	89	99	42	52	52	62	9	84	15	5	4	28	M18×1.5	9	27	M10×1.5
80	62	72	72	82	95	105	105	15	51	61	61	71	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5
100	73	83	83	93	111	121	121	131	61	71	71	81	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5

Bore/Symbol	L	M	N1		N2		O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
Stroke			S=5	S>5	S=5	S>5												
12	10	3	7.5		5		M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	11	3	8		5	5.5	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	13	3	8.5		5.5		M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	17	3	9		5.5		M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	28	-	10	8	12	10
32	22	3	9		6.5	8	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	6	34	-	12	10	18	14
40	28	3	9		7.5		G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	38	3	8	10.5	8	10.5	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	40	3	9.5	11	9.5	11	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	45	4	11.5	14	11.5	14	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	55	4	15	20	15	18	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

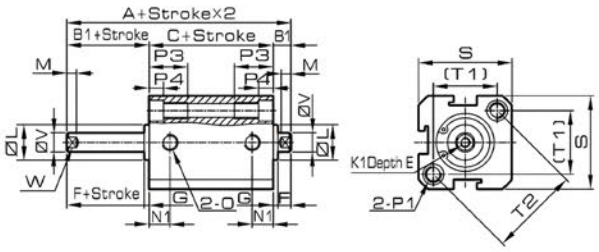
Return Catalog

SDA Series
Compact Cylinder

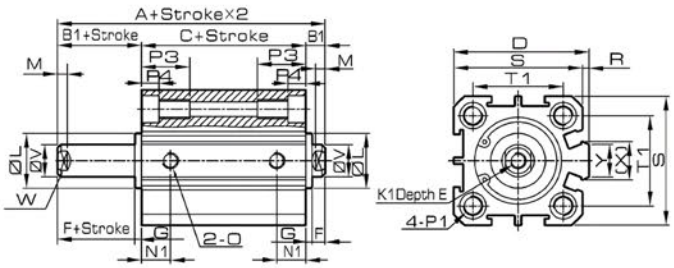
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

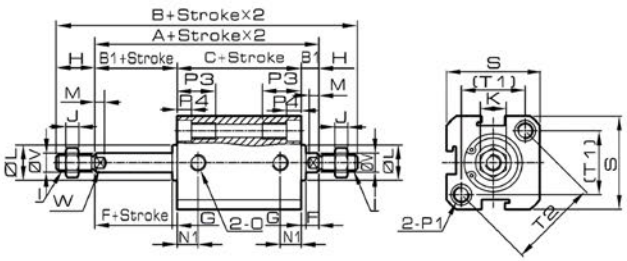
SDAD12-16 Female thread



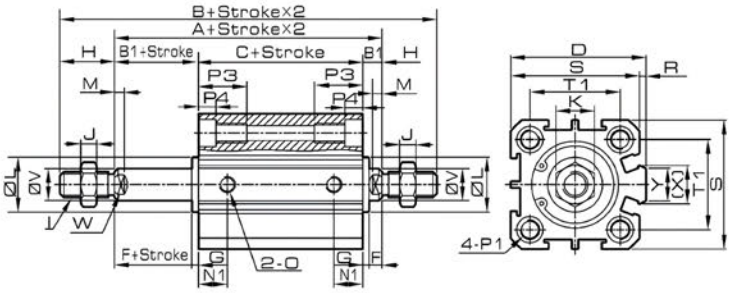
SDAD20-100 Female thread



SDAD12-16 Male thread



SDAD20-100 Male thread



Dimension

Bore/ Symbol	A		B		C		B1	D	E	F	G	H	I	J	K	K1	L	M	N1	
Model	Standard	With Magnet	Standard	With Magnet	Standard	With Magnet													S=5	S>5
12	27	37	51	61	17	27	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	10	3	5.5	6.5
16	29.5	39.5	53.5	63.5	18.5	28.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	11	3	6.5	7.5
20	30.5	40.5	60.5	70.5	19.5	29.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7	13	3	7.5	
25	33	43	67	77	21	31	6	42	10	4	2	17	M8×1.25	6	14	M5×0.8	17	3	8	
32	38.5	48.5	74.5	84.5	24.5	34.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0	22	3	8	9
40	40	50	96	106	26	36	7	58.5	12	4	3	28	M14×1.5	8	222	M8×1.25	28	3	8	10
50	46	56	102	112	28	38	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5	38	3	8	10.5
63	50	60	106	116	32	42	9	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5	40	3	9.5	11
80	63	73	129	139	41	51	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5	45	4	11.5	14
100	75	85	151	161	51	61	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5	55	4	15	20

Bore/Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	8	-	10	8	12	10
32	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Ø11 / Cog:M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

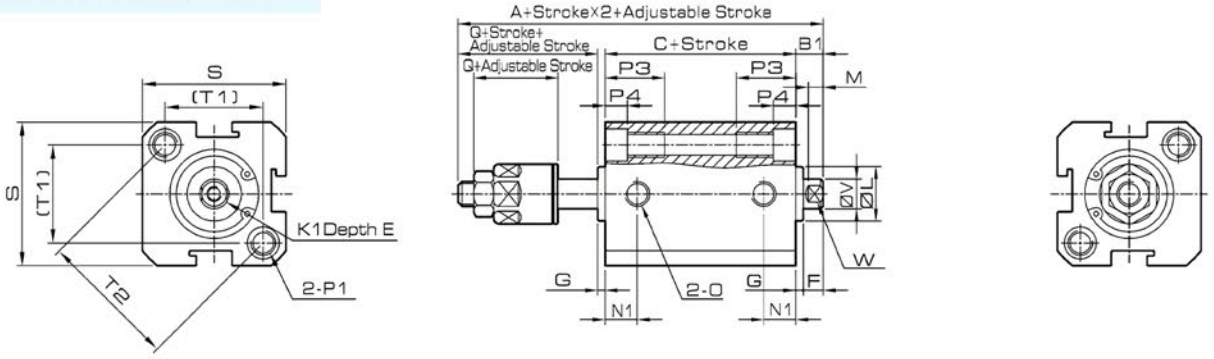
Return Catalog

SDA Series
Compact Cylinder

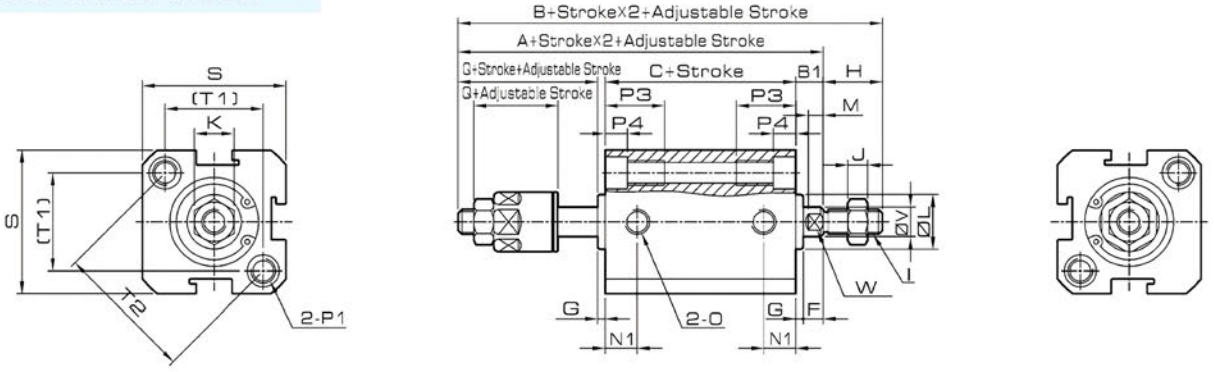
VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

SDAJ12-16 Female thread



SDAJ12-16 Male thread



Dimension

Bore/ Symbol	A		B		C		B1	D	E	F	G	H	I	J	K	K1	L	M	N1	
Model	Standard	With Magnet	Standard	With Magnet	Standard	With Magnet													S=5	S>5
12	41	51	53	63	17	27	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	10	3	5.5	6.5
16	43	53	55	65	18.5	28.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	11	3	6.5	7.5
20	47.5	57.5	62.5	72.5	19.5	29.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7	13	3	7.5	
25	53	63	70	80	21	31	6	42	10	4	2	17	M8×1.25	6	14	M5×0.8	17	3	8	
32	61.5	71.5	79.5	89.5	24.5	34.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0	22	3	8	9
40	64	74	92	102	26	36	7	58.5	12	4	3	28	M14×1.5	8	222	M8×1.25	28	3	8	10
50	70	80	98	108	28	38	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5	38	3	8	10.5
63	74	84	102	112	32	42	9	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5	40	3	9.5	11
80	92.5	102.5	125.5	135.5	41	51	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5	45	4	11.5	14
100	110.5	120.5	148.5	158.5	51	61	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5	55	4	15	20

Bore/Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	8	-	10	8	12	10
32	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Ø11 / Cog:M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

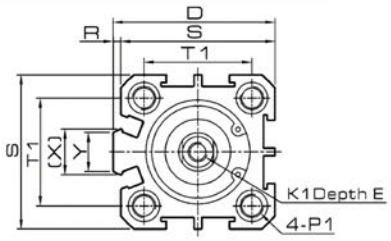
Return Catalog

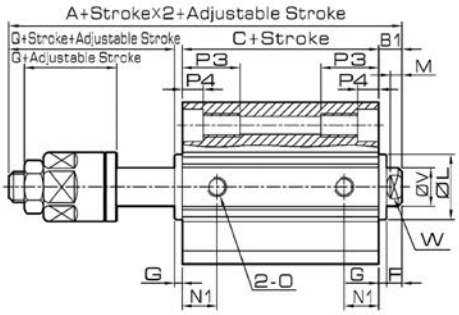
SDA Series
Compact Cylinder

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Overal Dimension

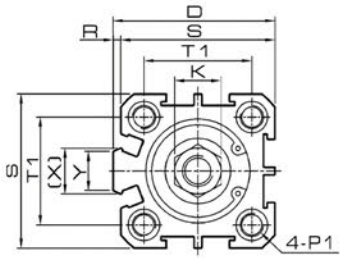
SDAJ20-100 Female thread

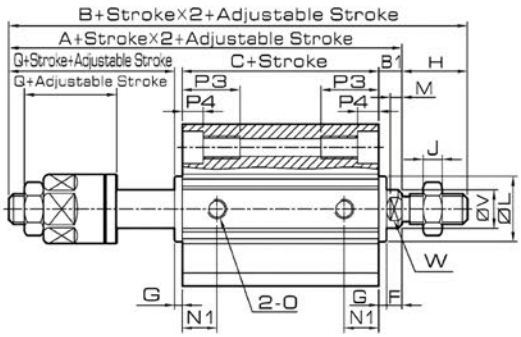






SDAJ20-100 Male thread







Dimension

Bore/ Symbol	A		B		C		B1	D	E	F	G	H	I	J	K	K1	L	M	N1	
Model	Standard	With Magnet	Standard	With Magnet	Standard	With Magnet													S=5	S>5
12	41	51	53	63	17	27	5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	10	3	5.5	6.5
16	43	53	55	65	18.5	28.5	5.5	-	6	4	2	12	M5×0.8	4	8	M3×0.5	11	3	6.5	7.5
20	47.5	57.5	62.5	72.5	19.5	29.5	5.5	36	8	4	1.5	15	M6×1.0	5	10	M4×0.7	13	3	7.5	
25	53	63	70	80	21	31	6	42	10	4	2	17	M8×1.25	6	14	M5×0.8	17	3	8	
32	61.5	71.5	79.5	89.5	24.5	34.5	7	50	12	4	3	18	M10×1.25	6	17	M6×1.0	22	3	8	9
40	64	74	92	102	26	36	7	58.5	12	4	3	28	M14×1.5	8	222	M8×1.25	28	3	8	10
50	70	80	98	108	28	38	9	71.5	15	5	4	28	M18×1.5	9	27	M10×1.5	38	3	8	10.5
63	74	84	102	112	32	42	9	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5	40	3	9.5	11
80	92.5	102.5	125.5	135.5	41	51	11	104	20	6	5	33	M22×1.5	13	32	M14×1.5	45	4	11.5	14
100	110.5	120.5	148.5	158.5	51	61	12	124	20	7	5	38	M26×1.5	12	36	M18×1.5	55	4	15	20

Bore/Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Ø6.5 / Cog: M5×0.8 / Through Hole: Ø4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	15	5.5	2	40	8	-	10	8	12	10
32	G1/8	Double Side: Ø8.2 / Cog: M6×1 / Through Hole: Ø4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Ø10 / Cog: M8×1.25 / Through Hole: Ø6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Ø11 / Cog:M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Ø11 / Cog: M8×1.25 / Through Hole: Ø6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Ø15 / Cog: M12×1.75 / Through Hole: Ø9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Ø17.5 / Cog: M14×2 / Through Hole: Ø11.3	30	13	10	114	90	-	32	27	35.5	26

Return Catalog

MA Series

Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Features

- Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality andlonger life of front seal.
- Optima design and improve the production efficiency.
- Combined with enterprise color planning and new structuredesign,stainless steel series cylinder integrated as thesemicircular groove cramping.
- Using embedded gasket ,increase the pressured area of pistonsafter collision.

Ordering Code

MA	U	32	50	25	S	E	LB
Series	Back From	Bore	Bore	Adjustable stroke	Magnet	Piston rod Material	Mountings
MA : Double Acting	Blank : Standard with eye mounting	12 / 16			S: With magnet	Blank: Carbon steel	Blank: Basic mountings
MSA : Single ActingSpring-out	CM : Standard with round back cover	20 / 25			Blank: Withoutmagnet	E: Stainless steel	LB: Front and back mounting
MTA : Single ActingSpring-in	U : Standard with flat back cover	32 / 40					FA: Front mounting flange
MAD : Double-shaft							FB: Back mounting flange
MAJ : Double-shaftwith adjustable stroke							SDB: Back hinge

Specification

Bore (mm)	12	16	20	25	32	40
Operation	Double Acting or Single Acting					
Working Medium	Air					
Mountings	0.1~1.0Mpa					
Operating Pressure Range	0.1~1.0Mpa					
Proof Pressure	1.5 Mpa					
Operating Temperature Range	-20~70°C					
Operating Speed Range	50~800mm/s					
Cushion	Gasket Cushion					
Port Size	M5×0.8		G1/8"			

Return Catalog

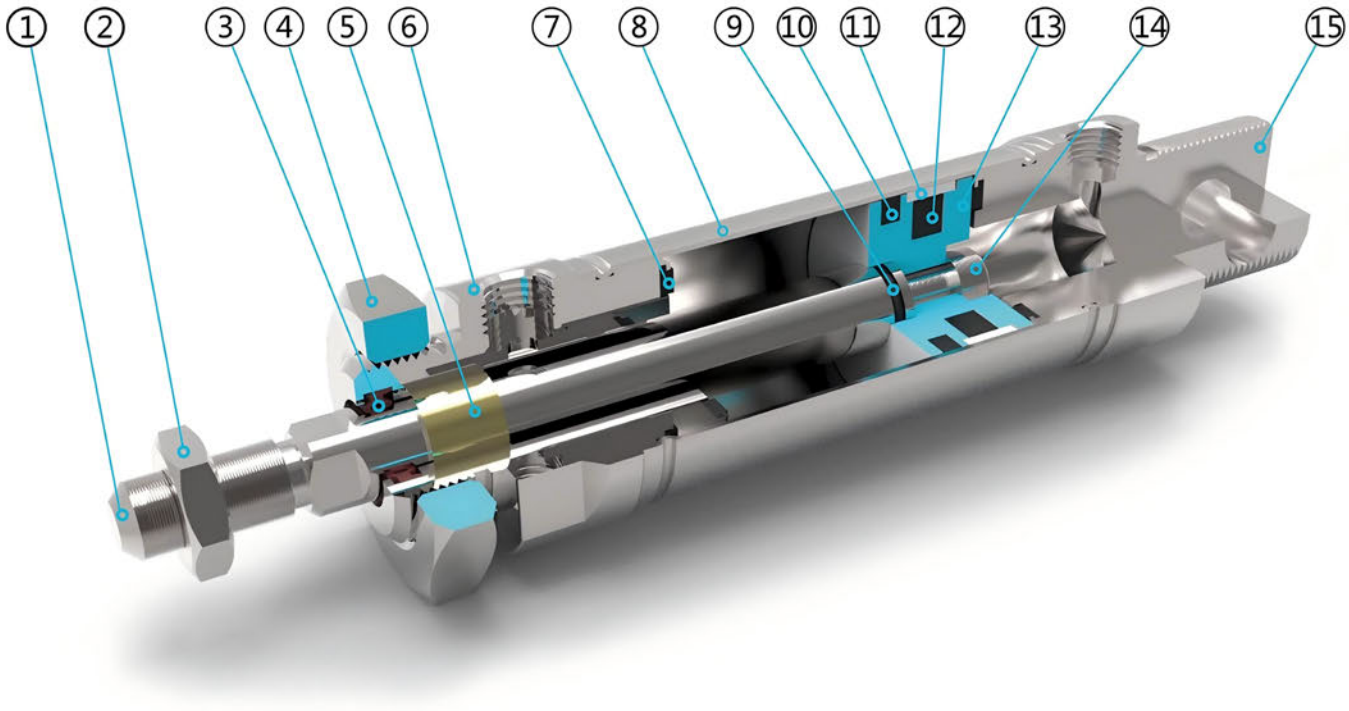
MA Series

Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	O ring
2	Hexagon nut	10	Piston seal
3	Shaft seal	11	Anti-friction ring
4	Hexagon nut	12	Magnet
5	DU bearing	13	Piston
6	Front cover	14	Socket head cap screw
7	Anti-collision gasket	15	Back cover
8	Barrel		

Return Catalog

MA Series

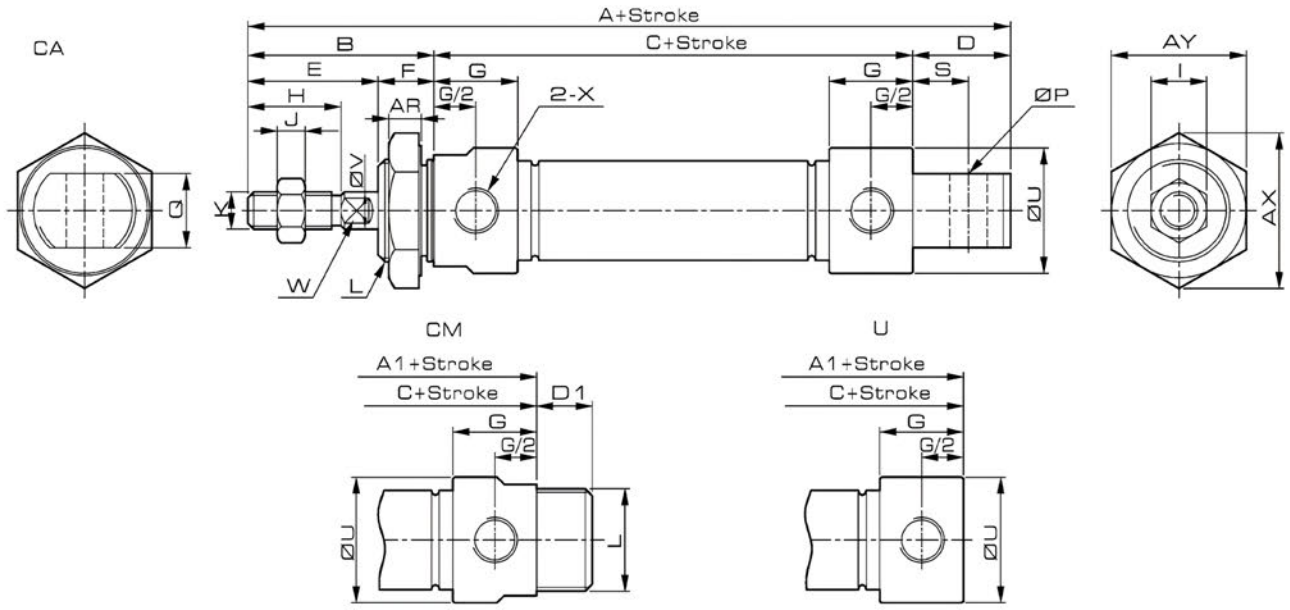
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

MA



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	C	D	D1	E	F	G	G1	H	I	J	K
16	114	98	38	60	16	12	22	16	12	8	16	10	5	M6×1
20	137	116	40	76	21	12	28	12	18	13	20	12	6	M8×.25
25	141	120	44	76	21	14	30	14	16	11	22	17	6	M10×1.25
32	147	120	44	76	27	14	30	14	16	11.5	22	17	6	M10×1.25
40	150	123	46	77	27	14	32	14	16.7	12	24	19	7	M12×1.25

Bore/Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	9	21	6	6	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	8	G1/8	7	33.5	29	8.5
25	M22×1.5	8	16	12	30	10	10	G1/8	7	33.5	29	9.5
32	M24×2	10	16	15	35	12	12	G1/8	16	37	32	11.5
40	M30×2	12	20	15	42	16	16	G1/4	9	46	40	14

Return Catalog

MA Series

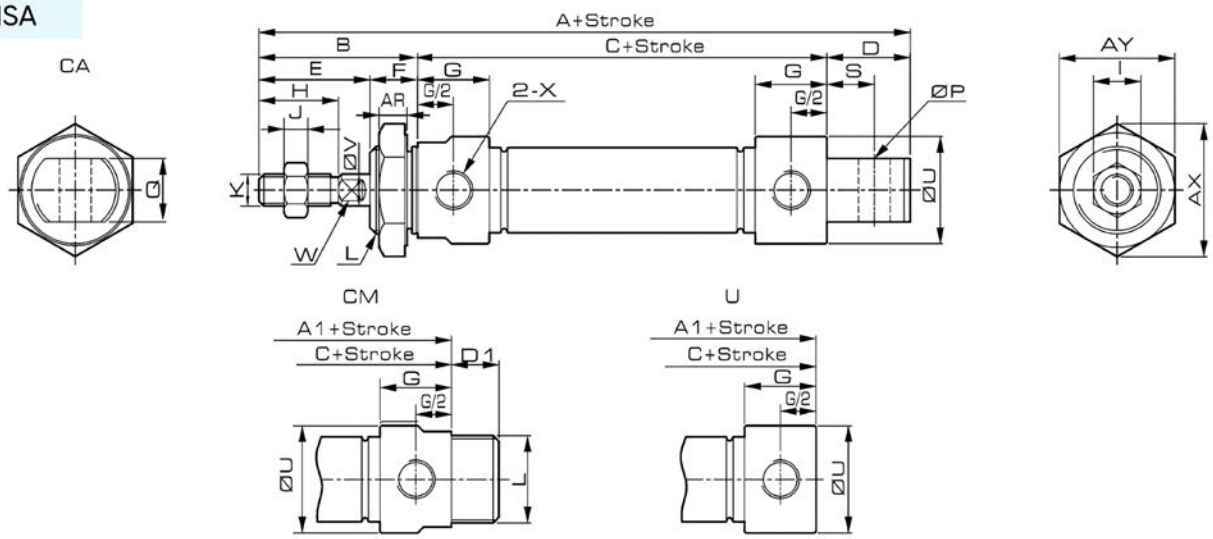
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

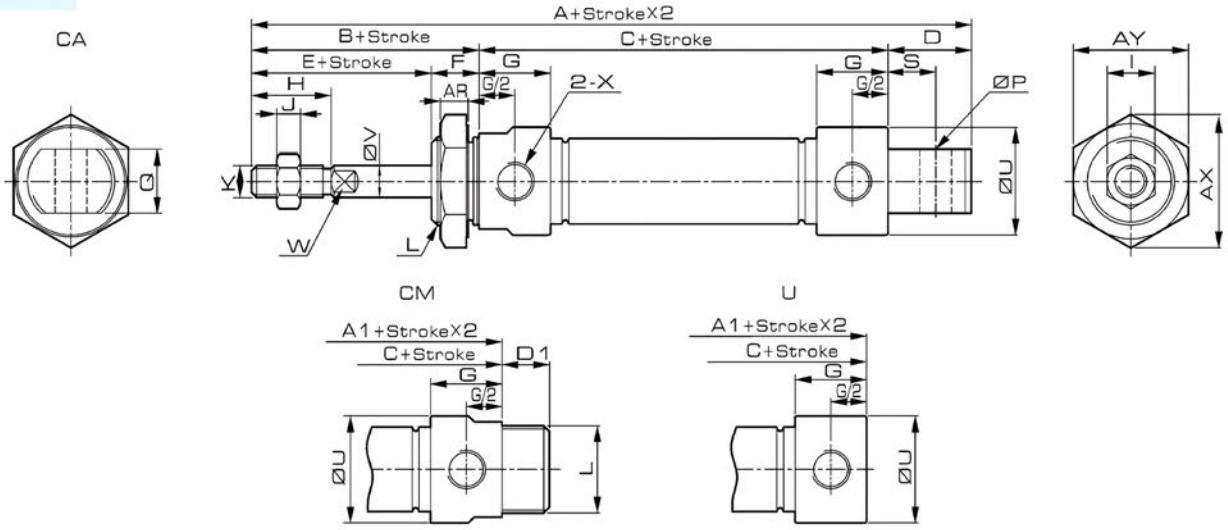
Overall Dimension

MSA



Cylinder with or without magnet is the same size

MTA



Cylinder with or without magnet is the same size

Dimension

Symbol	A			A1			B	C			D	D1	D1	E	G
Bore/Stroke	0-50	50-100	100-150	0-50	50-100	100-150		0-50	50-100	100-150					
16	139	164	-	123	148	-	38	85	110	-	16	12	22	16	12
20	162	187	212	141	166	191	40	101	126	151	21	12	28	12	18
25	166	191	216	145	170	195	44	101	126	151	21	14	30	14	16
32	172	197	222	145	170	195	44	101	126	151	27	14	30	14	16
40	175	200	225	148	173	198	46	102	127	152	27	14	32	14	16.7

Bore/Symbol	H	I	J	K	L	L	Q	S	U	V	W	X	AR	AX	AY
16	16	10	5	M6×1	M16×1.5	6	12	9	21	6	5	M5×0.8	6	27.8	24
20	20	12	6	M8×1.25	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29
25	2	17	6	M10×1.25	M10×1.25	8	16	12	30	8	8	8	7	33.5	29
32	22	17	6	M10×1.25	M24×2	10	16	15	35	10	10	G1/8	9	37	32
40	24	19	7	M12×1.25	M30×2	12	20	15	42	16	14	G1/4	9	46	40

Return Catalog

MA Series

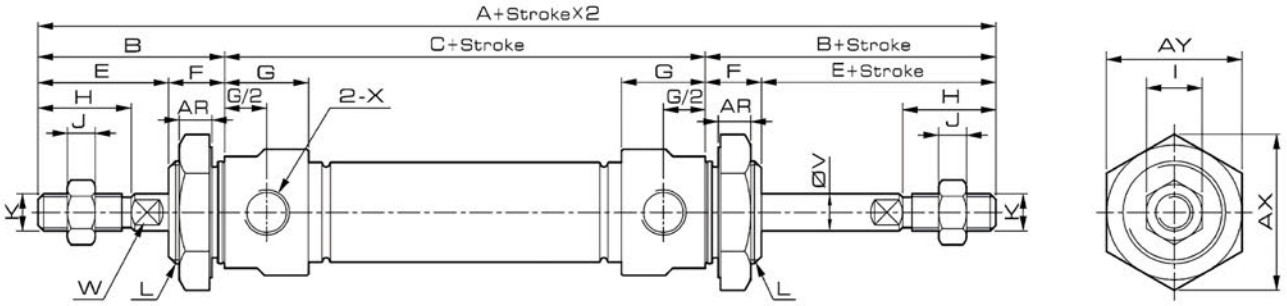
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

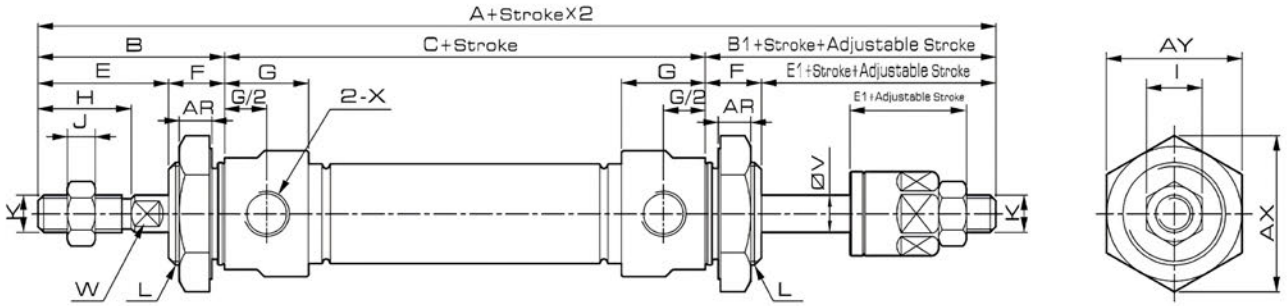
Overall Dimension

MAD



Cylinder with or without magnet is the same size

MAJ



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	B1	C	E	E1	F	G	G1	H	I	J	K	L	U	V	W	X	AR	AX	AY	Y
16	114	135	38	37	60	22	21	16	12	8	16	10	5	M6×1	M16×1.5	21	6	5	M5×0.8	6	27.8	24	6
20	137	153	40	37	76	28	25	12	18	13	20	12	6	M8×1.25	M22×1.5	27	8	6	G1/8	7	33.5	29	8.5
25	141	161	44	41	76	30	27	14	16	11	22	17	6	M10×1.25	M22×1.5	30	10	8	G1/8	7	33.5	29	9.5
32	147	161	44	41	76	30	27	14	16	11.5	22	17	6	M10×1.25	M24×2	35	12	10	G1/8	9	37	32	11.5
40	150	165	46	42	77	32	28	14	16.7	12	24	19	7	M12×1.25	M30×2	42	16	14	G1/4	9	46	40	14

Return Catalog

MA/MAL/MACSeries

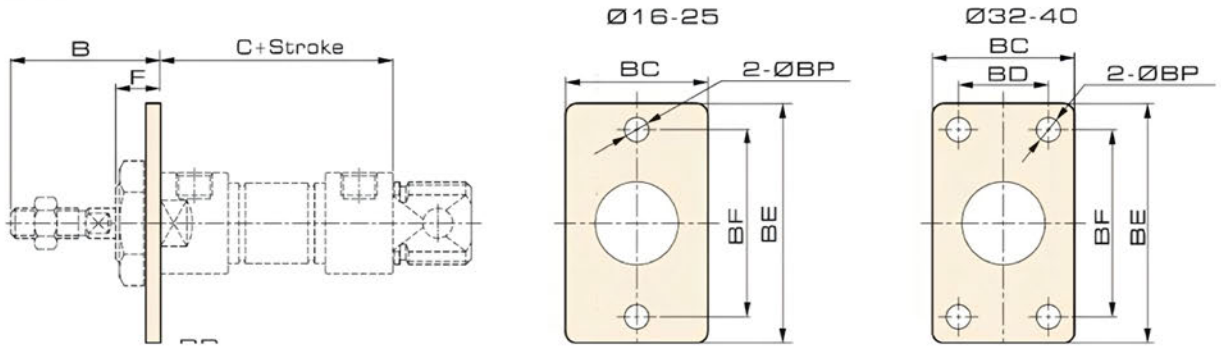
Mini Cylinder Accessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

FA

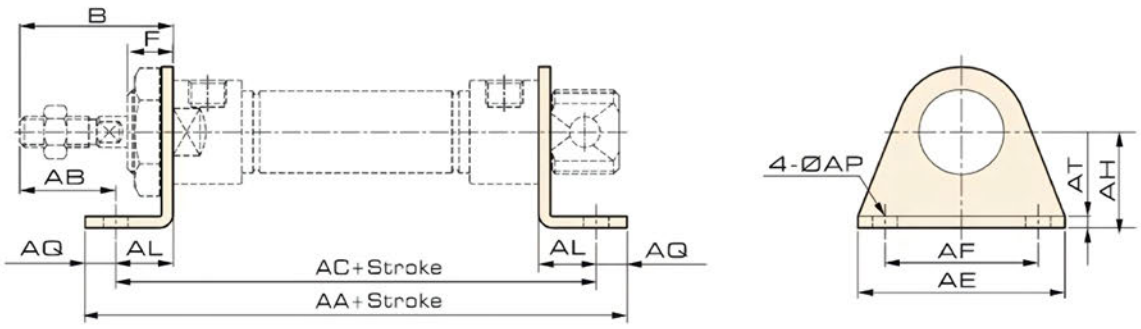


Dimension

Symbol / Bore/Stroke	B	C (MA Series)	C(MSA/MTA Series) 0-50	50-100	100-150	BB	BC	BD	BE	BF	BP	F
16	38	60	85	110	-	3	26	-	52	40	5.5	16
20	40	76	101	126	151	4	38	-	64	50	6.5	12
25	44	76	101	126	151	4	38	-	64	50	6.5	14
32	44	76	101	126	151	4	47	33	72	58	6.5	14
40	46	77	102	127	152	4	50	36	84	70	6.5	14

Overall Dimension

LB



Dimension

Symbol / Bore/Stroke	B	AA (MA Series)	AA (MSA/MTA Series) 0-50	50-100	100-150	AB	AC (MAL Series)	AC (MSAL/MTAL Series) 0-50	50-100	100-150	AE	AF	AH	AL	AP	AQ	AT	F
16	38	98	3	148	-	25	86	111	136	-	44	32	20	13	5.5	6	3	16
20	40	122	147	172	197	25	106	131	156	181	54	40	25	15	6.5	8	3	12
25	44	122	147	172	197	29	106	131	156	181	54	40	25	15	6.5	8	3	14
32	44	142	167	192	217	19	126	151	176	201	59	45	32	25	6.5	8	4	14
40	46	143	168	193	218	21	127	152	177	202	64	50	36	25	6.5	8	4	14

Return Catalog

MA/MAL/MACSeries

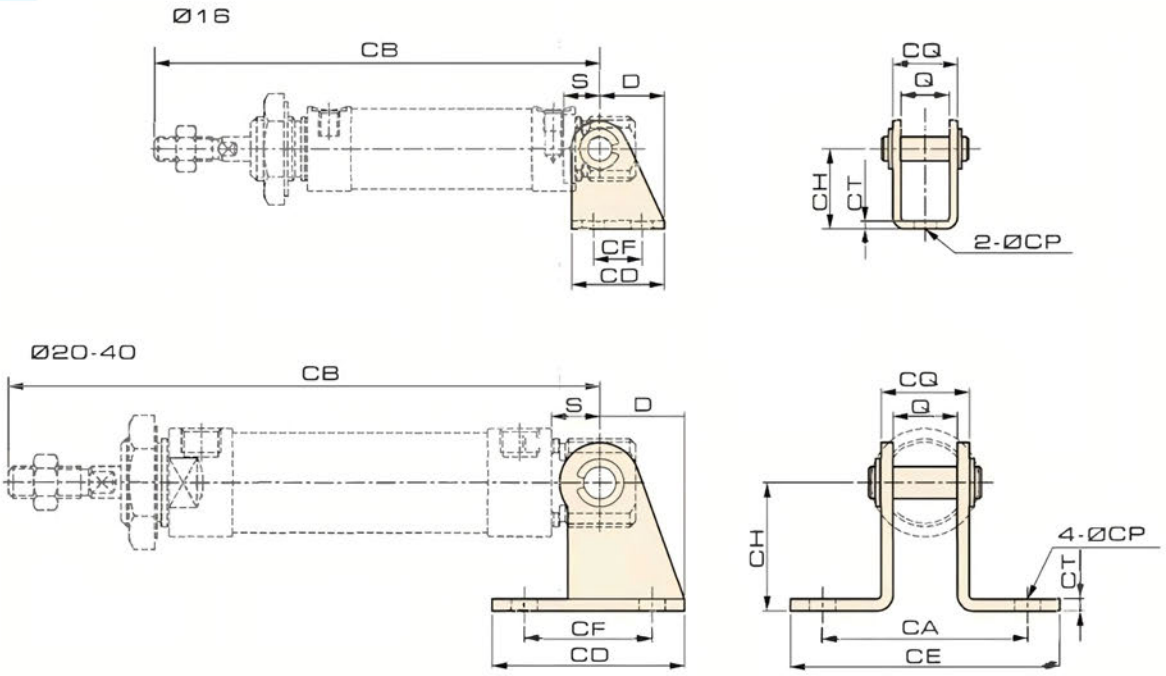
Mini Cylinder Accessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

SDB

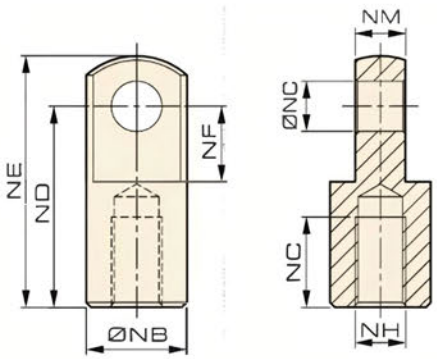


Dimension

Symbol / Bore/Stroke	D	S	Q	CA	CB Series	CB (MSA/MTA Series)			CD	CE	CF	CH	CT	CP	CQ
						0-50	50-100	100-150							
16	16	9	12	-	107	132	157	-	23	-	12	20	2	5.5	16
20	21	12	16	51	128	153	178	203	48	67	32	32	3	6.5	22
25	21	12	16	51	132	157	182	207	48	67	32	32	3	6.5	22
32	27	15	16	51	135	160	185	210	52	67	36	36	4	6.5	24
40	27	15	20	55	138	163	188	213	56	71	40	40	4	6.5	28

Overall Dimension

I Knuckle



Dimension

Model	NB	NC	ND	NE	NF	NG	NH	NM	Bore	16	20	25	32	40
F-M04070I	10	4	16	21	7	6	M4×0.7	4	Adapted fitting form					
F-M06100I	12	5	21	28	8.5	8	M6×1	6		√				
F-M08125I	16	8	30	40	11	15	M8×1.25	8			√			
F-M10125I	20	10	40	50	15	18	M10×1.25	10				√	√	
F-M12125I	24	12	48	62	24	18	M12×1.25	12						√

Return Catalog

MAC Series

Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Features

- Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality andlonger life of front seal.
- Optima design and improve the production efficiency.
- Combined with enterprise color planning and new structuredesign,stainless steel series cylinder integrated as thesemicircular groove cramping.
- Change processing technology of cylinder cushion structure toensure buffering function in stabilization.
- Improved the range of buffering fine-tune, enable customersto more easily adjust the buffer throttling speed.



Ordering Code

MAC	U	32	50	25	S	E	LB
Series	Back From	Bore	Bore	Adjustable stroke	Magnet	Piston rod Material	Mountings
MAC : Double Acting	Blank : Standard with eye mounting	12 / 16			S: With magnet	Blank: Carbon steel	Blank: Basic mountings
MACD : Double-Shaft	CM : Standard with round back cover	20 / 25			Blank: Withoutmagnet	E: Stainless steel	LB: Front and back mounting
MACJ : Double-shaft with adjustable stroke	U : Standard with flat back cover	32 / 40					FA: Front mounting flange
							FB: Back mounting flange
							SDB: Back hinge

Specification

Bore (mm)	12	16	20	25	32	40
Operation	Double Acting or Single Acting					
Working Medium	Air					
Mountings	0.1~1.0Mpa					
Operating Pressure Range	0.1~1.0Mpa					
Proof Pressure	1.5 Mpa					
Operating Temperature Range	-20~70°C					
Operating Speed Range	50~800mm/s					
Cushion	Gasket Cushion					
Port Size	M5×0.8		G1/8"			

Return Catalog

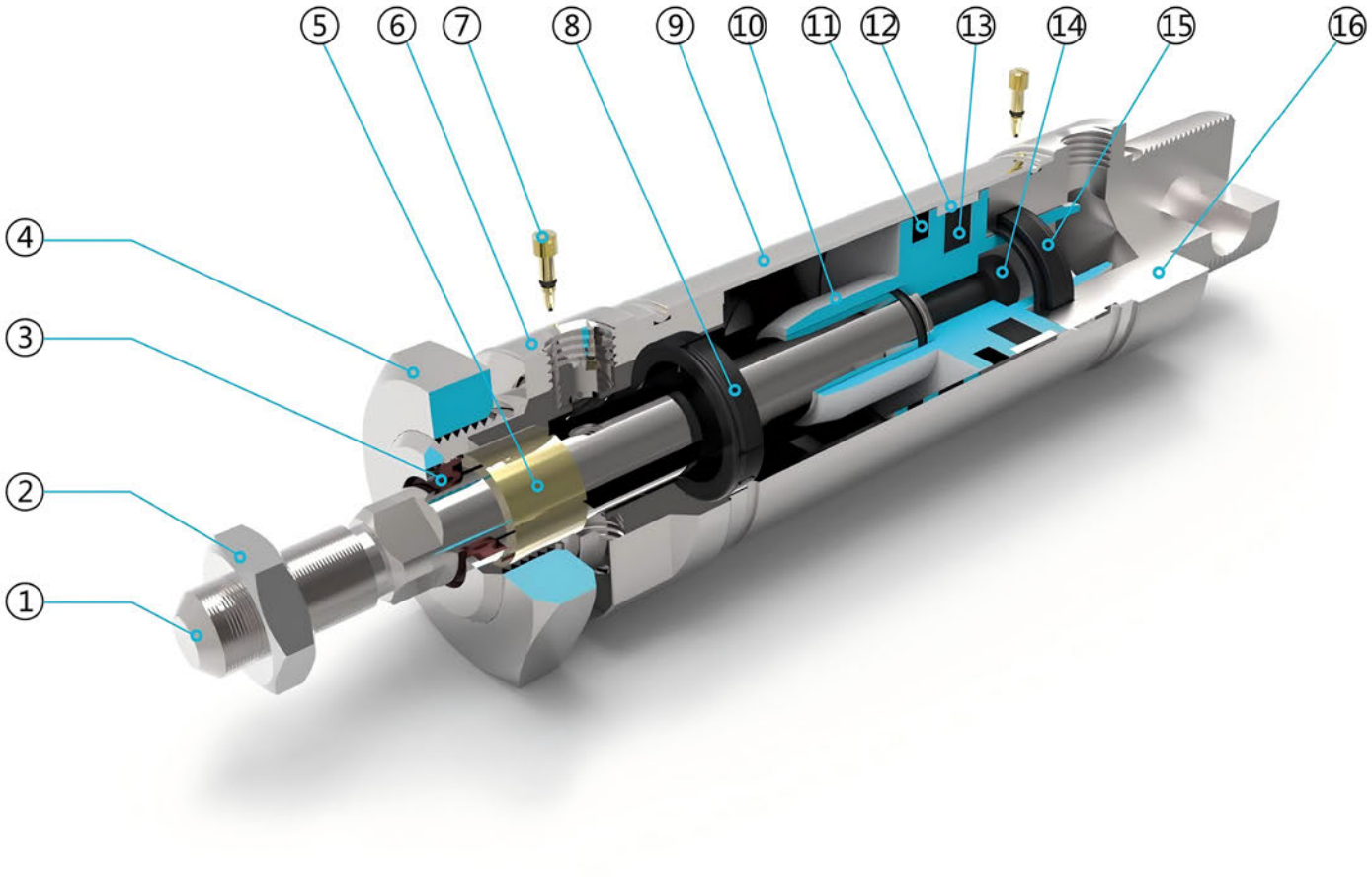
MAC Series

Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	Piston
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Socket head cap screw
7	Cushion adjusting screw	15	Cushion
8	Cushion	16	Back cover

Return Catalog

MAC Series

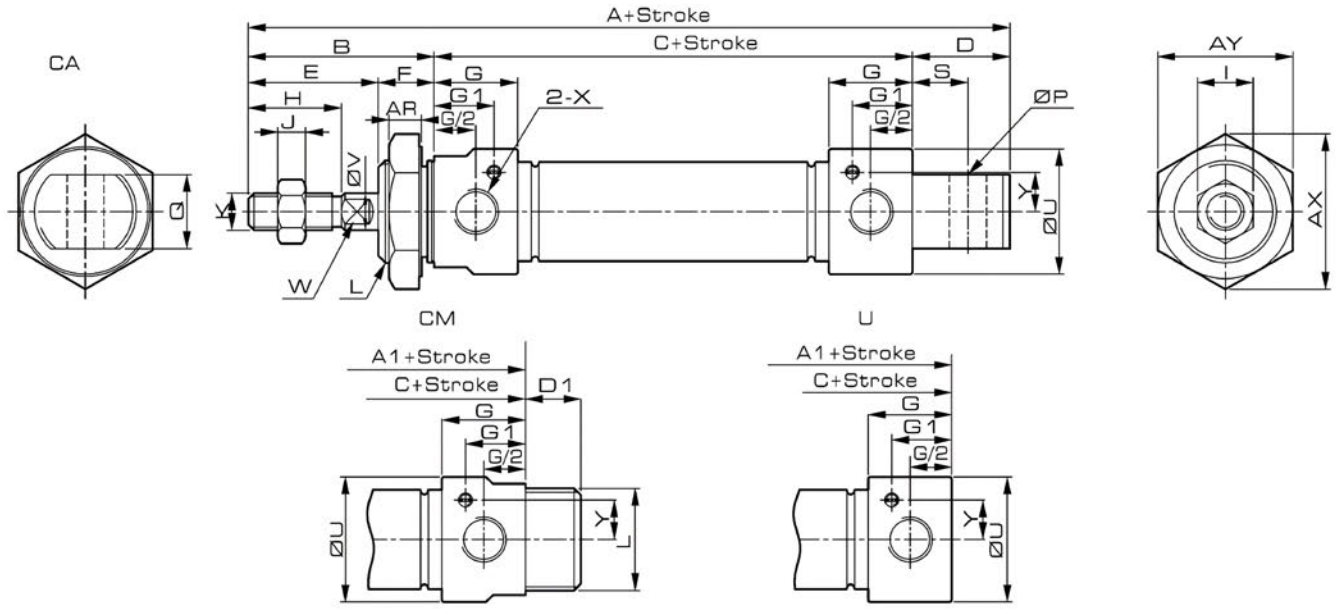
Stainless Steel Mini Cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

MAC



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	C	D	D1	E	F	G	G1	H	I	J	K
16	114	98	38	60	16	12	22	16	12	8	16	10	5	M6×1
20	137	116	40	76	21	12	28	12	18	13	20	12	6	M8×1.25
25	141	120	44	76	21	14	30	14	16	11	22	17	6	M10×1.25
32	147	120	44	76	27	14	30	14	16	11.5	22	17	6	M10×1.25
40	150	123	46	77	27	14	32	14	16.7	12	24	19	7	M12×1.25

Bore/Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	9	21	6	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	8.5
25	M22×1.5	8	16	12	30	10	8	G1/8	7	33.5	29	9.5
32	M24×2	10	16	15	35	12	10	G1/8	9	37	32	11.5
40	M30×2	12	20	15	42	16	14	G1/4	9	46	40	14

Return Catalog

MAL Series

Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Features

- Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality andlonger life of front seal.
- Optima design and improve the production efficiency.
- Combined with enterprise color planning and new structuredesign,stainless steel series cylinder integrated as thesemicircular groove cramping.
- Using embedded gasket ,increase the pressured area of pistonsafter collision.

Ordering Code

MAL	U	32	50	25	S	E	LB
Series	Back From	Bore	Bore	Adjustable stroke	Magnet	Piston rod Material	Mountings
MAL : Double Acting	Blank : Standard with eye mounting	12 / 16			S: With magnet	Blank: Carbon steel	Blank: Basic mountings
MSAL : Single Acting Spring-out	CM : Standard with round back cover	20 / 25			Blank: Withoutmagnet	E: Stainless steel	LB: Front and back mounting
MTA L: Single Acting Spring-in	U : Standard with flat back cover	32 / 40					FA: Front mounting flange
MALD : Double-shaft							FB: Back mounting flange
MALJ : Double-shaftwith adjustable stroke							SDB: Back hinge

Specification

Bore (mm)	12	16	20	25	32	40
Operation	Double Acting or Single Acting					
Working Medium	Air					
Mountings	Basic LB FA FB SDB					
Operating Pressure Range	0.1~1.0Mpa					
Proof Pressure	1.5 Mpa					
Operating Temperature Range	-20~70°C					
Operating Speed Range	50~800mm/s					
Cushion	Gasket Cushion					
Port Size	M5×0.8		G1/8"			G1/4"

Return Catalog

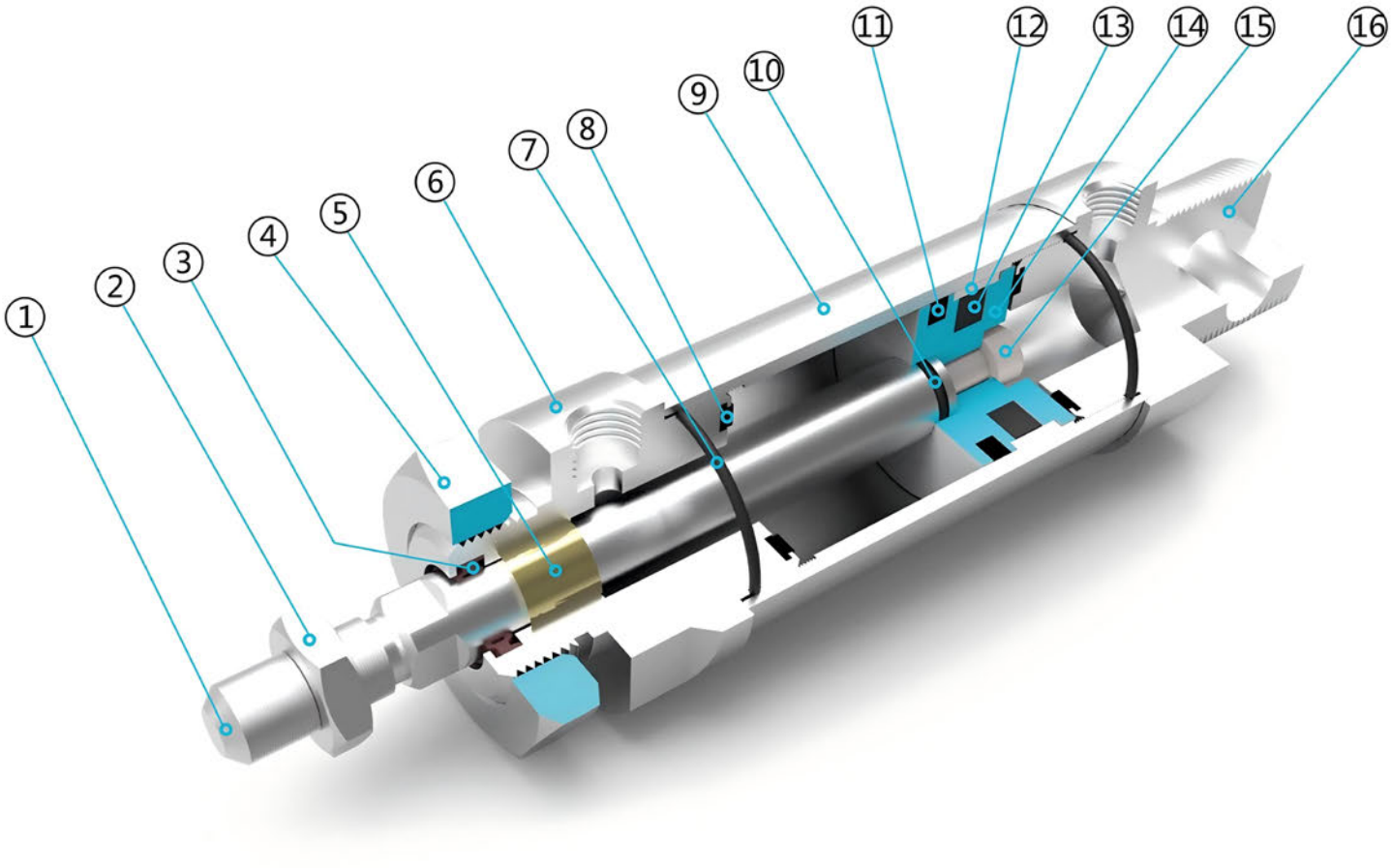
MAL Series

Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	O ring
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Piston
7	O ring	15	Socket head cap screw
8	Anti-collision gasket	16	Back cover

Return Catalog

MAL Series

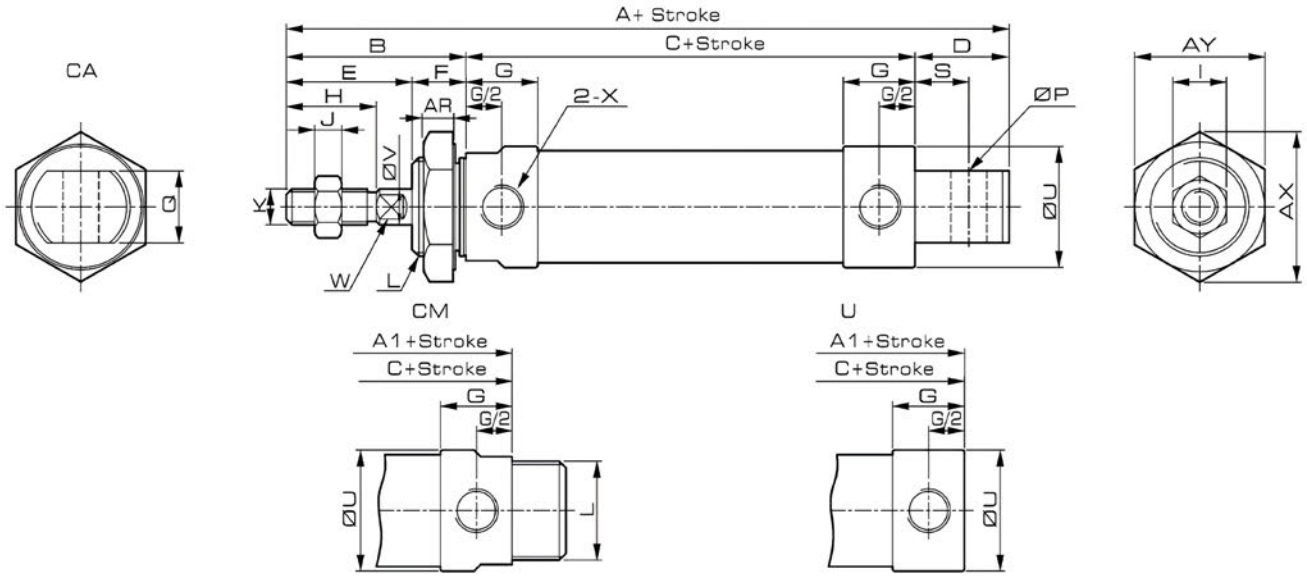
Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

MAL



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	C	D	D1	E	F	G	G1	H	I	J	K
16	105	90	38	52	15	12	24	14	11	6.5	16	10	5	M6×1
20	131	110	40	70	21	12	28	12	16	12	20	12	6	M8×1.25
25	135	114	44	70	21	14	30	14	16	11	22	17	6	M10×1.25
32	141	114	44	70	27	14	30	14	16	11.5	22	17	6	M10×1.25
40	165	138	46	92	27	14	32	14	22	15	24	19	7	M12×1.25

Bore/Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	6	21	6	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	8.5
25	M22×1.5	8	16	12	30	10	8	G1/8	7	33.5	29	9.5
32	M24×2	10	16	15	39.5	12	10	G1/8	9	37	32	11.5
40	M30×2	12	20	15	47	16	14	G1/4	9	46	40	14

Return Catalog

MAL Series

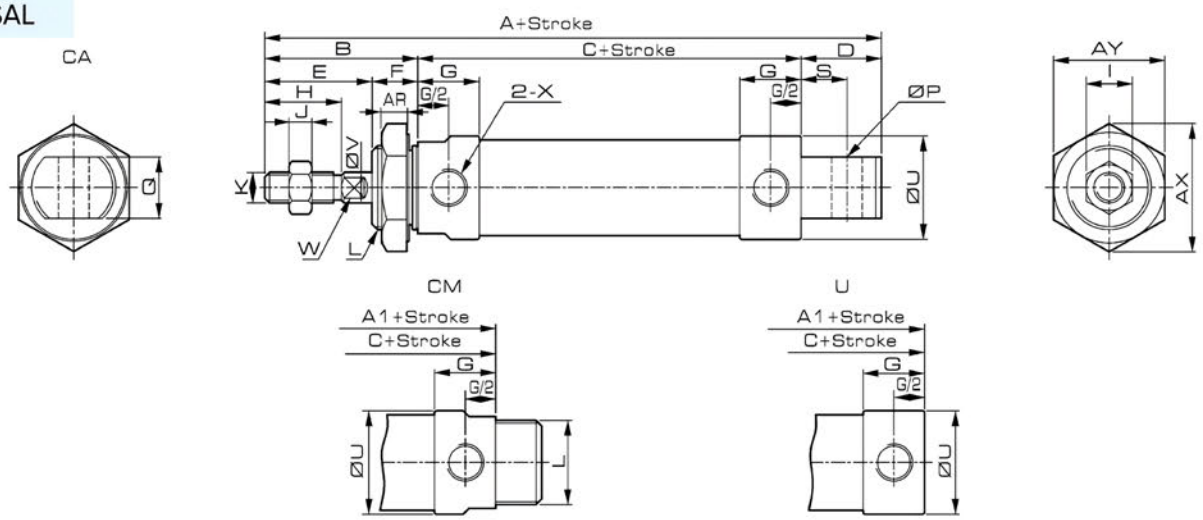
Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

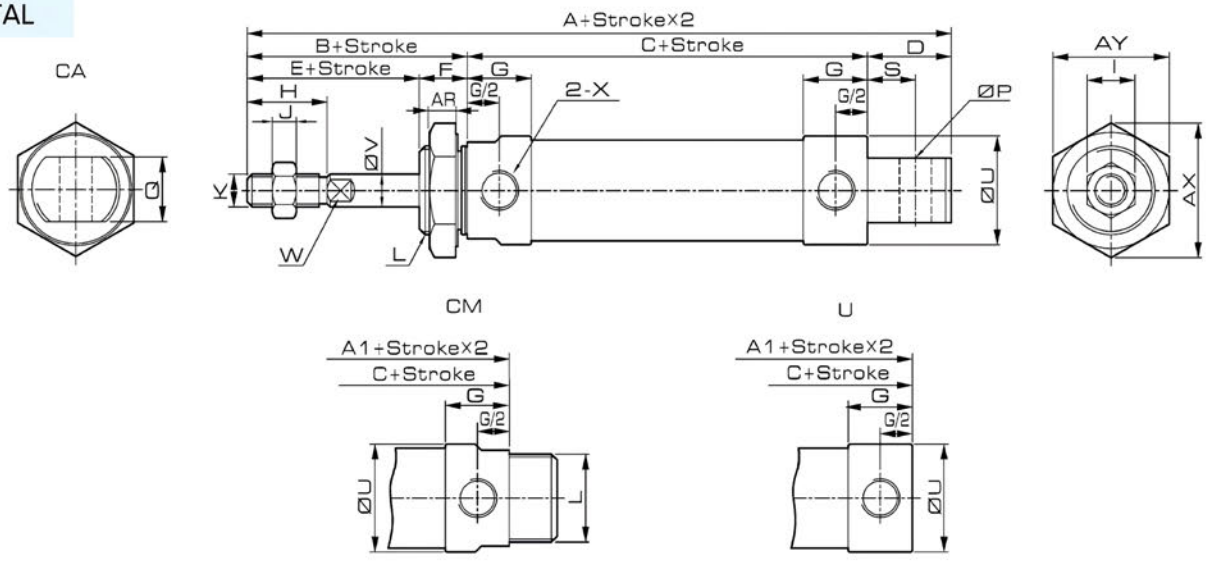
Overall Dimension

MSAL



Cylinder with or without magnet is the same size

MTAL



Cylinder with or without magnet is the same size

Dimension

Symbol	A			A1			B	C			D	D1	E	F	G
Bore/Stroke	0-50	50-100	100-150	0-50	50-100	100-150		0-50	50-100	100-150					
16	130	155	-	115	140	-	38	77	102	-	15	12	24	14	11
20	15	181	206	135	160	185	40	95	120	145	21	12	28	12	16
25	160	185	210	139	164	189	44	95	120	145	21	14	30	14	16
32	166	191	216	139	164	189	44	95	120	145	27	14	30	14	16
40	190	215	240	163	188	213	46	117	142	167	27	14	32	14	22

Bore/Symbol	H	I	J	K	L	P	Q	S	U	V	W	X	AR	AX	AY
16	16	10	5	M6×1	M16×1.5	6	12	6	21	6	5	M5×0.8	6	27.8	24
20	20	12	6	M8×1.25	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29
25	2	17	6	M10×1.25	M22×1.5	8	16	12	30	8	8	G1/8	7	33.5	29
32	22	17	6	M10×1.25	M24×2	10	16	15	39.5	10	10	G1/8	9	37	32
40	24	19	7	M12×1.25	M30×2	12	20	15	47	16	14	G1/4	9	46	40

Return Catalog

MAL Series

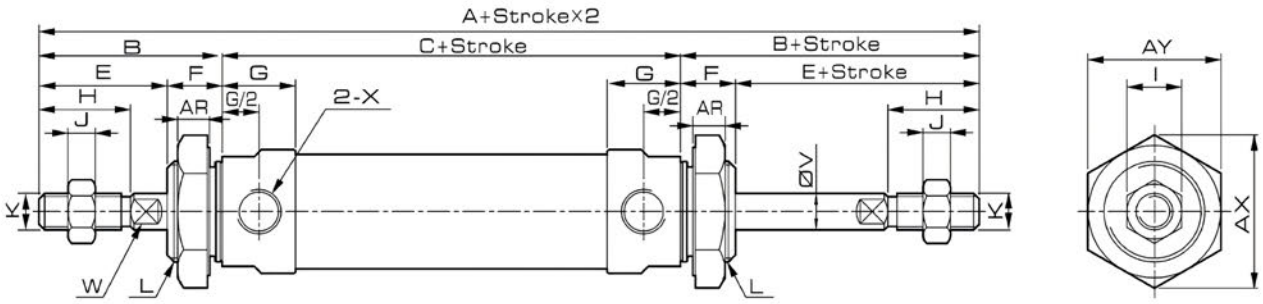
Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

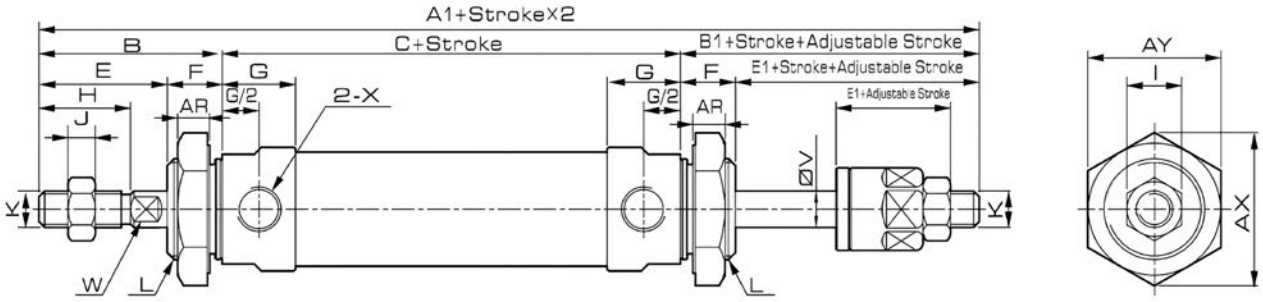
Overall Dimension

MALD



Cylinder with or without magnet is the same size

MALJ



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	B1	C	E	E1	F	G	G1	H	I	J	K	L	U	V	W	X	AR	AX	AY	Y
16	128	125	38	35	52	24	21	14	11	6.5	16	10	5	M6×1	M16×1.5	21	6	5	M5×0.8	6	27.8	24	6
20	150	147	40	37	70	28	25	12	16	12	20	12	6	M8×1.25	M22×1.5	27	8	6	G1/8	7	33.5	29	9
25	158	155	44	41	70	30	27	14	16	11	22	17	6	M10×1.25	M2×1.5	30	10	8	G1/8	7	33.5	29	9
32	158	155	44	41	70	30	27	14	16	11.5	22	17	6	M10×1.25	M24×2	39.5	12	10	G1/8	9	37	32	11.5
40	184	180	46	42	92	32	28	14	22	15	24	19	7	M12×1.25	M30×2	47	16	14	G1/4	9	46	40	14

Return Catalog

MALC Series

Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Features

- Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality andlonger life of front seal.
- Optima design and improve the production efficiency.
- Combined with enterprise color planning and new structuredesign,stainless steel series cylinder integrated as thesemicircular groove cramping.
- Change processing technology of cylinder cushion structure toensure buffering function in stabilization.
- Improved the range of buffering fine-tune, enable customersto more easily adjust the buffer throttling speed.



Ordering Code

MAC	U	32	50	25	S	E	LB
Series	Back From	Bore	Bore	Adjustable stroke	Magnet	Piston rod Material	Mountings
MALC : Double Acting	Blank : Standard with eye mounting	12 / 16			S: With magnet	Blank: Carbon steel	Blank: Basic mountings
MALCD : Double-Shaft	CM : Standard with round back cover	20 / 25			Blank: Withoutmagnet	E: Stainless steel	LB: Front and back mounting
MALCJ : Double-shaft with adjustable stroke	U : Standard with flat back cover	32 / 40					FA: Front mounting flange
							FB: Back mounting flange
							SDB: Back hinge

Specification

Bore (mm)	12	16	20	25	32	40
Operation	Double Acting or Single Acting					
Working Medium	Air					
Mountings	Basic LB FA FB SDB					
Operating Pressure Range	0.1~1.0Mpa					
Proof Pressure	1.5 Mpa					
Operating Temperature Range	-20~70°C					
Operating Speed Range	50~800mm/s					
Cushion	Adjustable Air Cushion					
Port Size	M5×0.8		G1/8"			G1/4"

Return Catalog

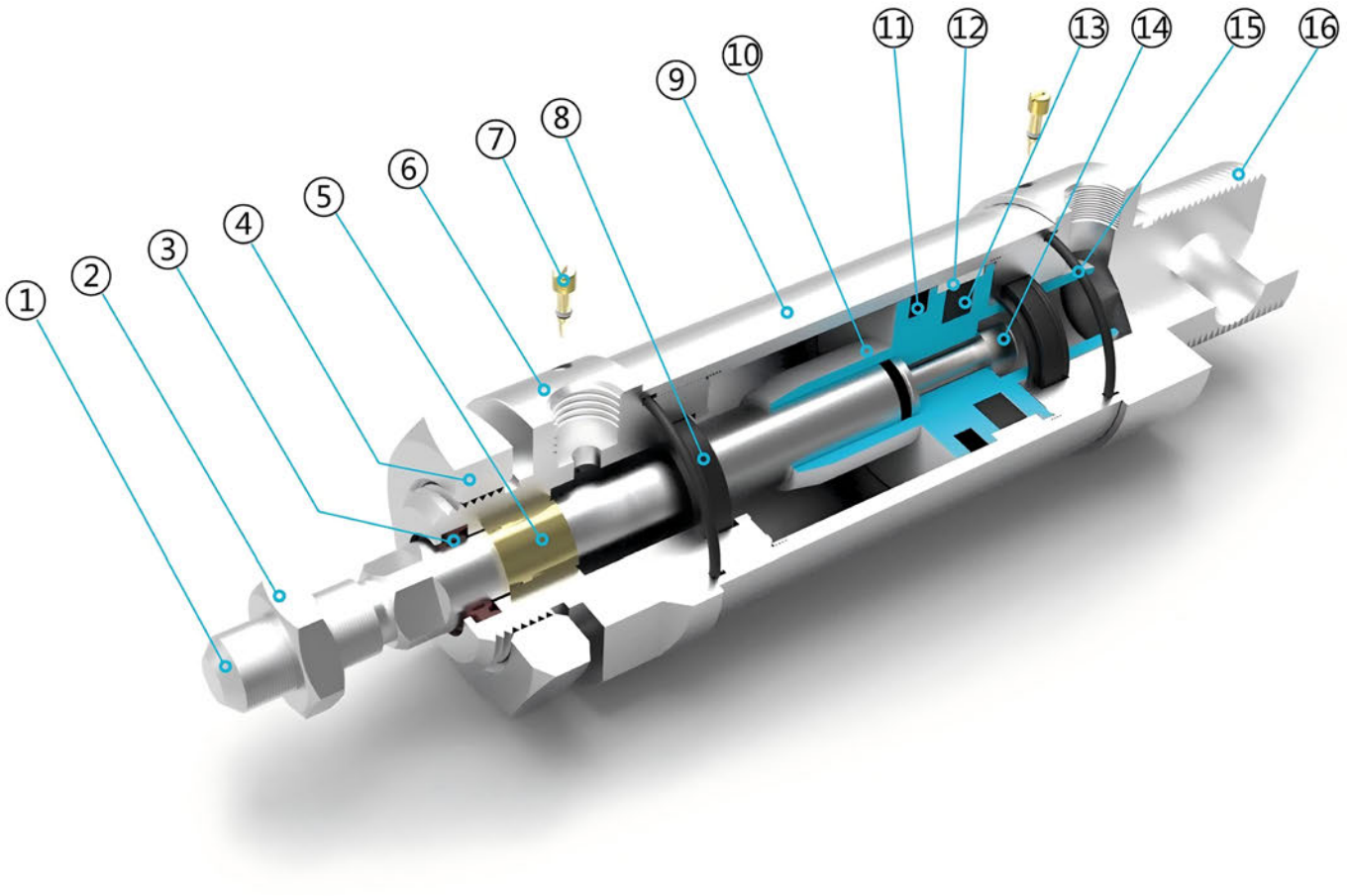
MALC Series

Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	Piston
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Screw
7	Cushion adjusting screw	15	O ring
8	Cushion	16	Back cover

Return Catalog

MALC Series

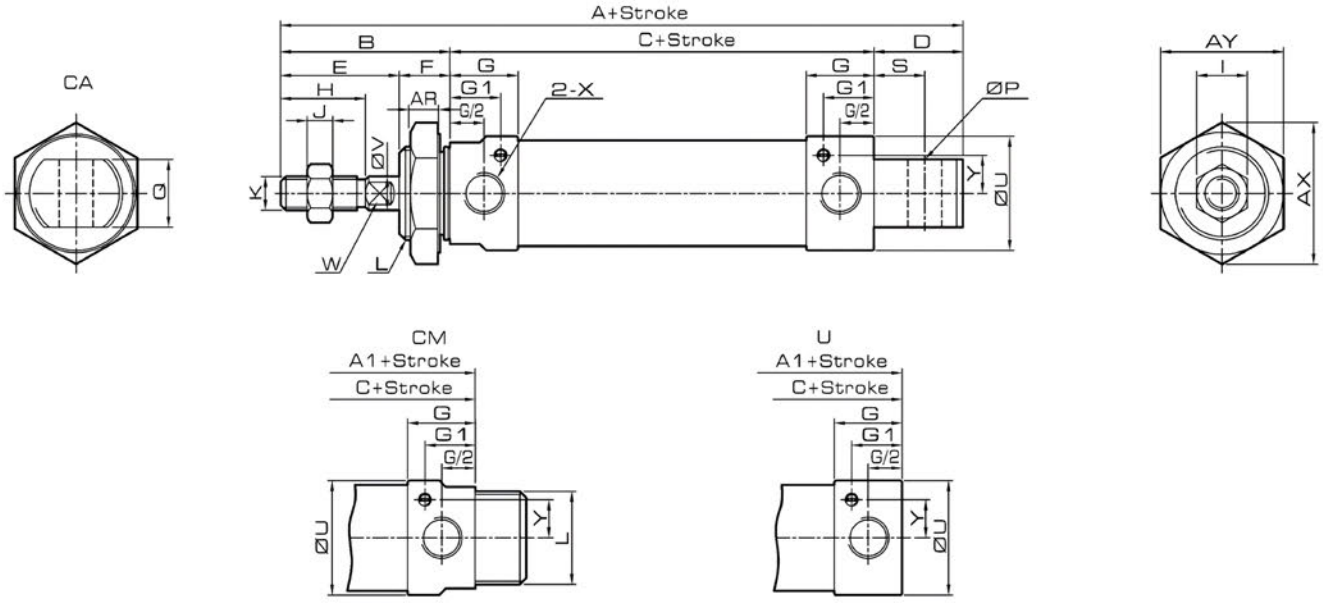
Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

MALC



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	C	D	D1	E	F	G	G1	H	I	J	K
16	105	90	38	52	15	12	24	14	11	6.5	16	10	5	M6×1
20	131	110	40	70	21	12	28	12	18	12	20	12	6	M8×.25
25	135	114	44	70	21	14	30	14	16	11	22	17	6	M10×1.25
32	141	114	44	70	27	14	30	14	16	11.5	22	17	6	M10×1.25
40	165	138	46	92	27	14	32	14	22	15	24	19	7	M12×1.25

Bore/Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	9	21	9	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	9
25	M22×1.5	8	16	12	30	10	8	G1/8	7	33.5	29	9
32	M24×2	10	16	15	39.5	12	10	G1/8	16	37	32	11.5
40	M30×2	12	20	15	42	16	14	G1/4	9	46	40	14

Return Catalog

MALC Series

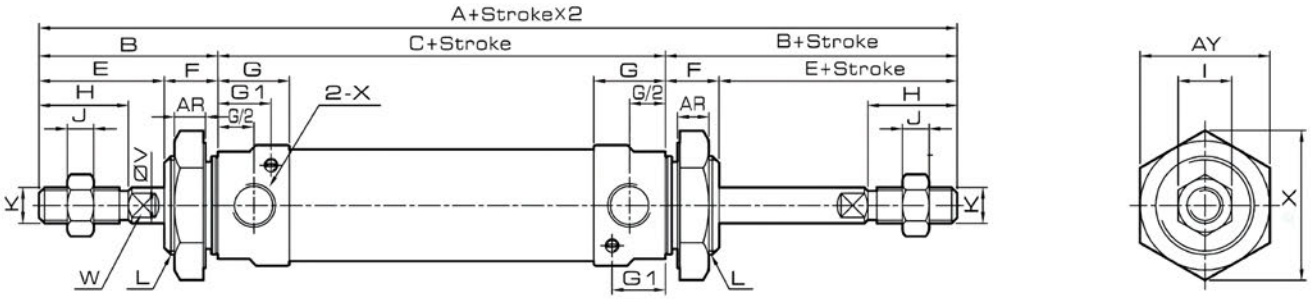
Aluminum Alloy Mini cylinder

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

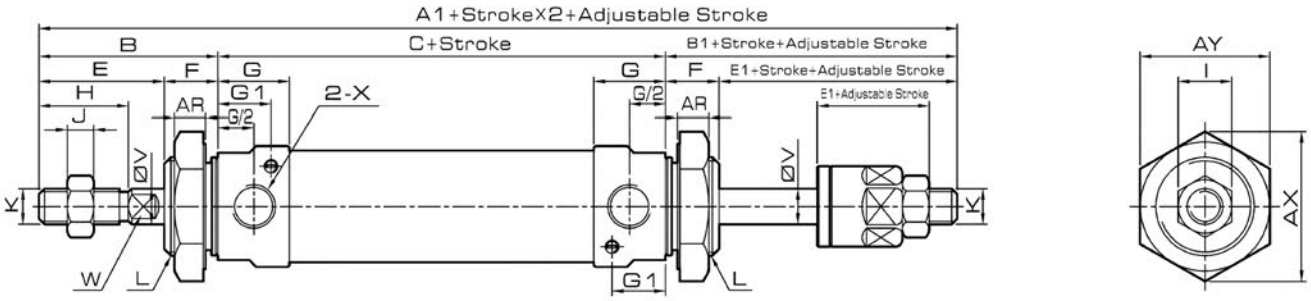
Overall Dimension

MALCD



Cylinder with or without magnet is the same size

MALCJ



Cylinder with or without magnet is the same size

Dimension

Bore/Symbol	A	A1	B	B1	C	E	E1	F	G	G1	H	I	J	K	L	U	V	W	X	AR	AX	AY	Y
16	128	125	38	35	52	24	21	14	11	6.5	16	10	5	M6×1	M16×1.5	21	6	5	M5×0.8	6	27.8	24	6
20	150	147	40	37	70	28	25	12	16	12	20	12	6	M8×1.25	M22×1.5	27	8	6	G1/8	7	33.5	29	9
25	158	155	44	41	70	30	27	14	16	11	22	17	6	M10×1.25	M22×1.5	30	10	8	G1/8	7	33.5	29	9
32	158	155	44	41	70	30	27	14	16	11.5	22	17	6	M10×1.25	M24×2	39.5	12	10	G1/8	9	37	32	11.5
40	184	180	46	42	92	32	28	14	22	15	24	19	7	M12×1.25	M30×2	47	16	14	G1/4	9	46	40	14

Return Catalog

MAL / MALC Series

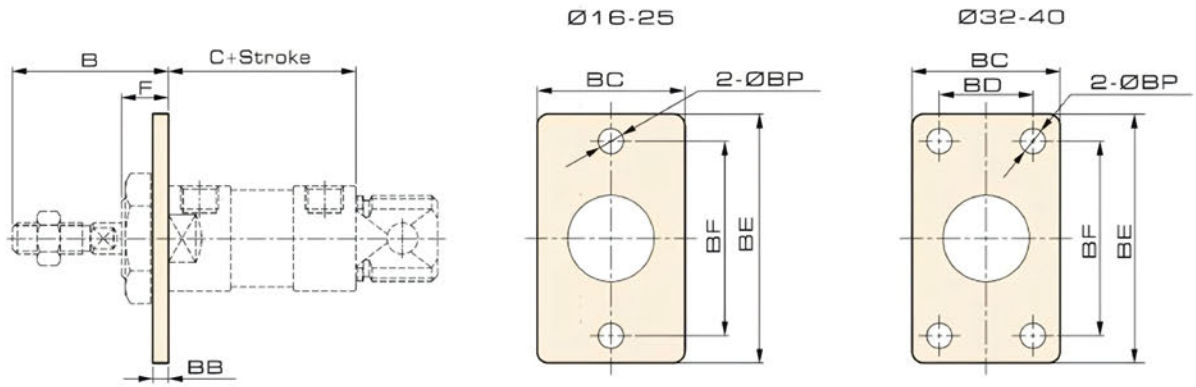
Mini cylinder Accessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

FA

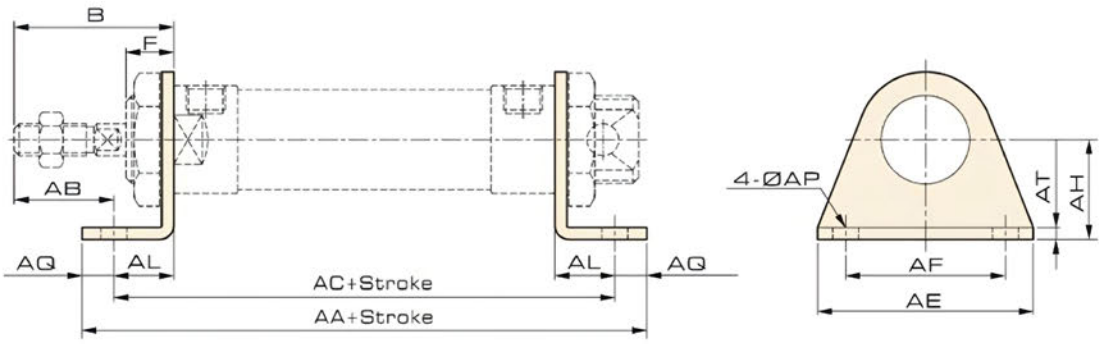


Dimension

Symbol / Bore/Stroke	B	C (MA Series)	C(MSA/MTA Series) 0-50	50-100	100-150	BB	BC	BD	BE	BF	BP	F
16	38	52	77	102	-	3	26	-	52	40	5.5	14
20	40	70	95	120	145	4	38	-	64	50	6.5	12
25	44	70	95	120	145	4	38	-	64	50	6.5	14
32	44	70	95	120	145	4	47	33	72	58	6.5	14
40	46	92	117	142	167	4	50	36	84	70	6.5	14

Overall Dimension

LB



Dimension

Symbol / Bore/Stroke	B	AA (MA Series)	AA (MSA/MTA Series) 0-50	50-100	100-150	AB	AC (MAL Series)	AC (MSAL/MTAL Series) 0-50	50-100	100-150	AE	AF	AH	AL	AP	AQ	AT	F
16	38	90	115	140	-	25	78	103	128	-	44	32	20	13	5.5	6	3	16
20	40	116	141	166	191	25	100	125	150	175	54	40	25	15	6.5	8	3	12
25	44	116	141	166	191	29	100	125	150	175	54	40	25	15	6.5	8	3	14
32	44	136	161	186	211	19	1220	145	170	195	59	45	32	25	6.5	8	4	14
40	46	158	183	208	233	21	142	167	192	217	64	50	36	25	6.5	8	4	14

Return Catalog

MAL / MALC Series

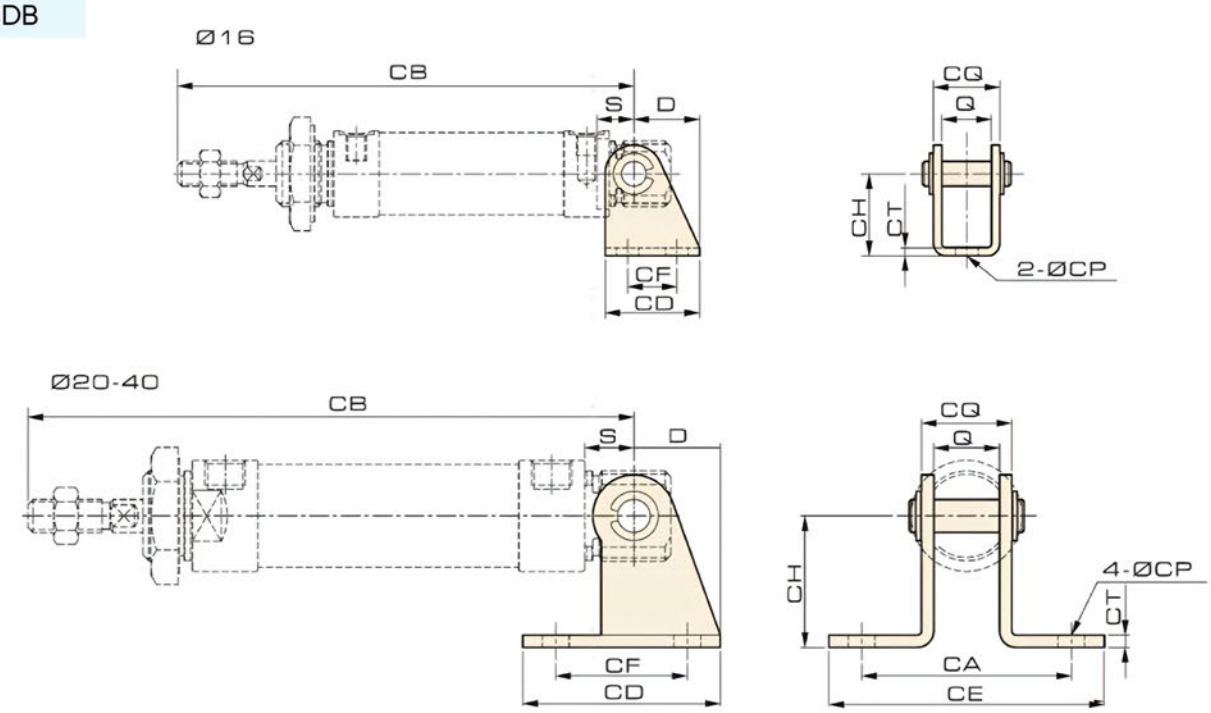
Mini cylinder Accessory

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

SDB

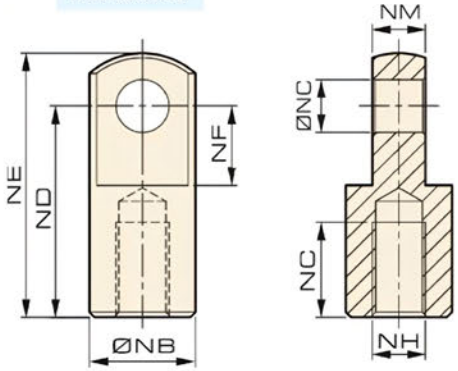


Dimension

Symbol / Bore/Stroke	D	S	Q	CA	CB Series	CB (MSA/MTA Series)			CD	CE	CF	CH	CT	CP	CQ
						0-50	50-100	100-150							
16	16	9	12	-	96	121	146	-	23	-	12	20	2	5.5	16
20	21	12	16	51	122	147	172	197	48	67	32	32	3	6.5	22
25	21	12	16	51	126	151	176	201	48	67	32	32	3	6.5	22
32	27	15	16	51	129	154	179	204	52	67	36	36	4	6.5	24
40	27	15	20	55	153	178	203	228	56	71	40	40	4	6.5	28

Overall Dimension

I Knuckle



Dimension

Model	NB	NC	ND	NE	NF	NG	NH	NM	Bore	16	20	25	32	40
F-M04070I	10	4	16	21	7	6	M4×0.7	4	Adapted fitting form					
F-M06100I	12	5	21	28	8.5	8	M6×1	6		√				
F-M08125I	16	8	30	40	11	15	M8×1.25	8			√			
F-M10125I	20	10	40	52	15	18	M10×1.25	10				√	√	
F-M12125I	24	12	48	62	24	18	M12×1.25	12						√

Return Catalog

4V100 Series

Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



4A110-06



4V110-06



4V120-06



4V130-06

Ordering Code

4V	1	10	06	B	AC220V	W
Specification	Series Code	Coil and Type	Port size	Connection and Initial status	Standard Voltage	Wiring
4V: 5/2 (3) way solenoid valve	1: 100 Series	10: Single coil	M5: M 5×0.8	Blank: Threaded	DC12V / DC24V	Blank: Without light terminal
4A: 5/2 (3) way air pilot valve		20: Double coil	06: 1/8"	B: Sub-plated mounted(for 5/2.5/3 way only)	AC24V / 50Hz/60Hz	LD:Brown with light terminal
3V: 3/2 way solenoid valve		30C: Mid-position closed			AC110V / 50Hz/60Hz	LD1: White with light terminal
3A: 3/2 way air pilot valve		30E: Mid-position exhausted		NC: 3/2 way normal close	AC220V / 50Hz/60Hz	W: Lead wire
		30P: Mid-position pressed		NO: 3/2 way normal open	AC380V / 50Hz/60Hz	

Specification

Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-06
	4A110-M5	4A120-M5	4A130C-M5	4A130E-M5	4A130P-M5	4A110-06	4A120-06	4A130C-06	4A130E-06	4A130P-06
Valve Type	5/2 way		5/3 way			5/2 way		5/3 way		
Effective Cross Section Area	10 mm²(CV = 0.56)		7 mm²(CV = 0.40)			12 mm²(CV = 0.67)		9 mm²(CV = 0.5)		

Model	3V100-M5	3V120-M5	3A110-M5	3A120-M5	3V110-06	3V120-06	3A110-06	3A120-06
Valve Type	3/2 way							
Effective Cross Section Area	10 mm²(CV = 0.56)				12 mm²(CV = 0.67)			
Port Size	Inlet, Outlet, Exhaust Port = M5×0.8				Inlet, Outlet, Exhaust Port = G1/8"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15~0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5~50°C							
Operating Voltage Tolerance	± 10%							
Power Consumption	AC: 2.8 VA DC: 2.8 W							
Connector Protection	F Class, IP 65							
Wiring /Connector	Cable/Lead Wire or DIN Connector							
Switching Frequency	5 Cycles / Sec.							
Response Time	0.05 Sec.							

Return Catalog

4V100 Series

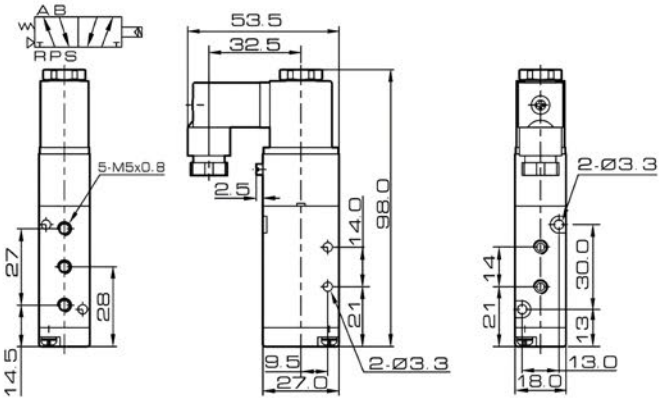
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

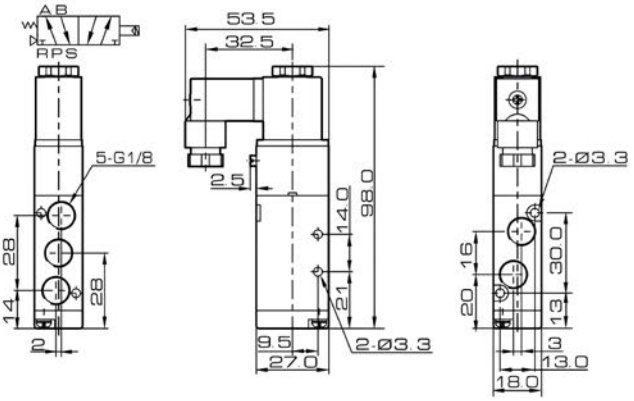
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

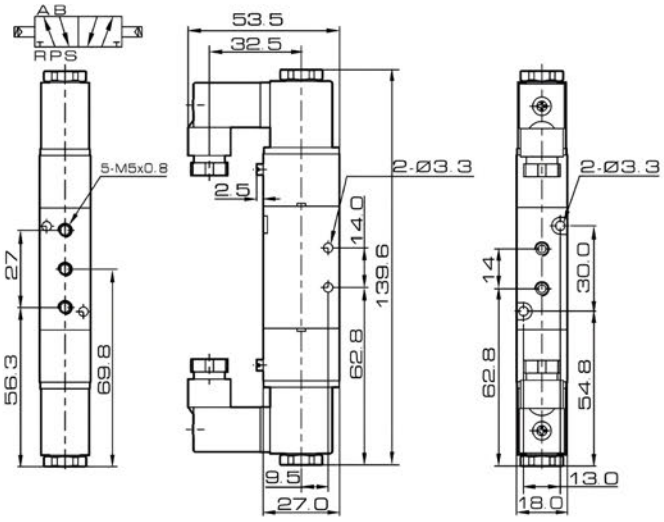
4V110-M5



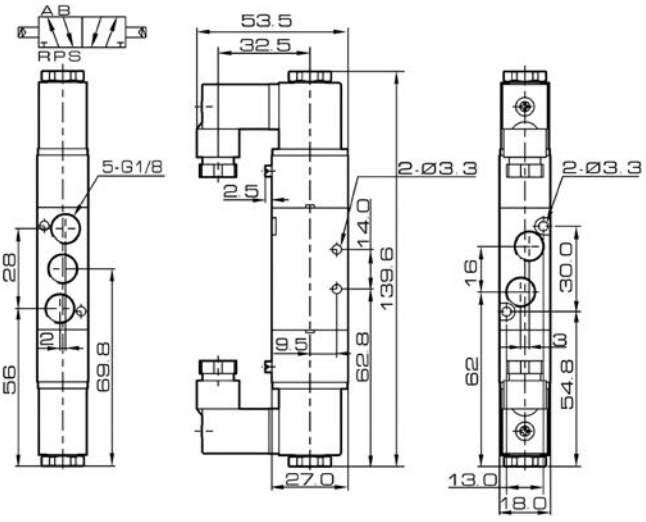
4V110-60



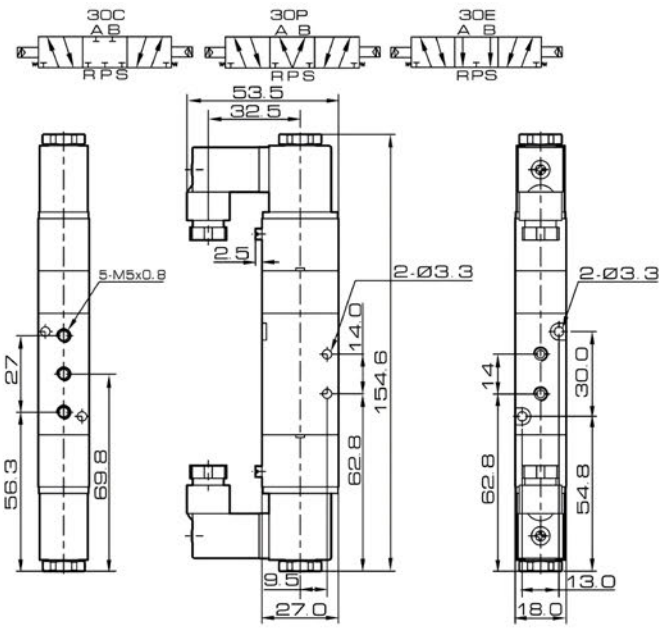
4V120-M5



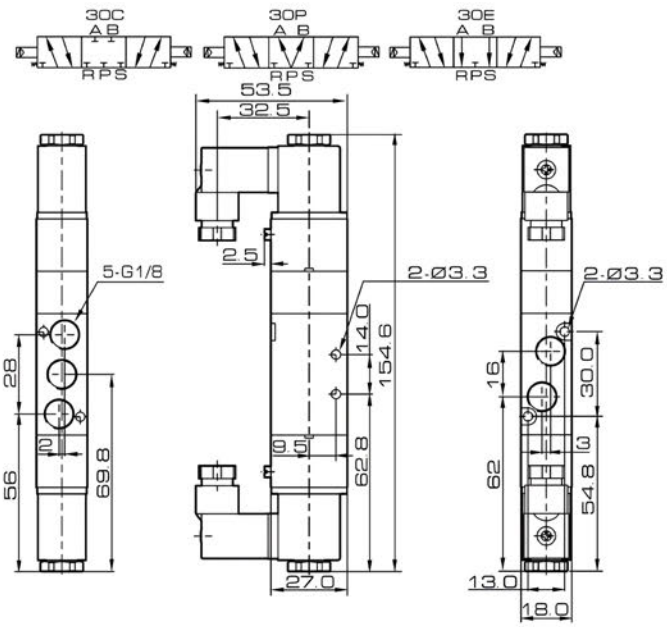
4V120-60



4V130-M5



4V130-60



Return Catalog

4V100 Series

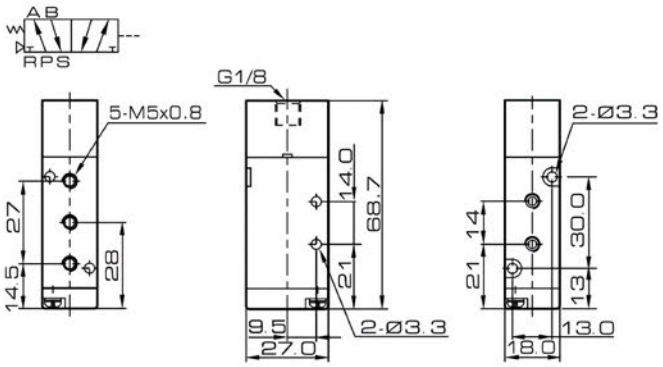
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

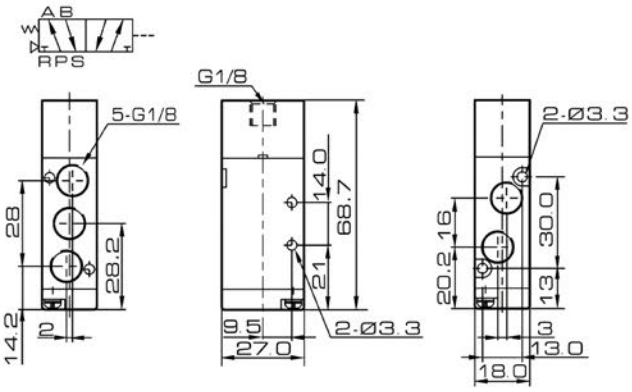
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

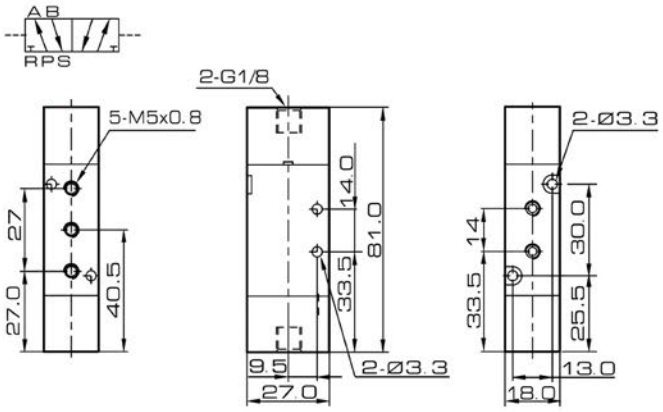
4A110-M5



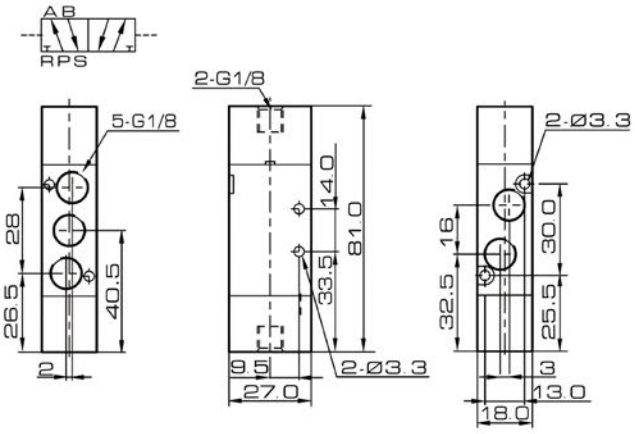
4V110-60



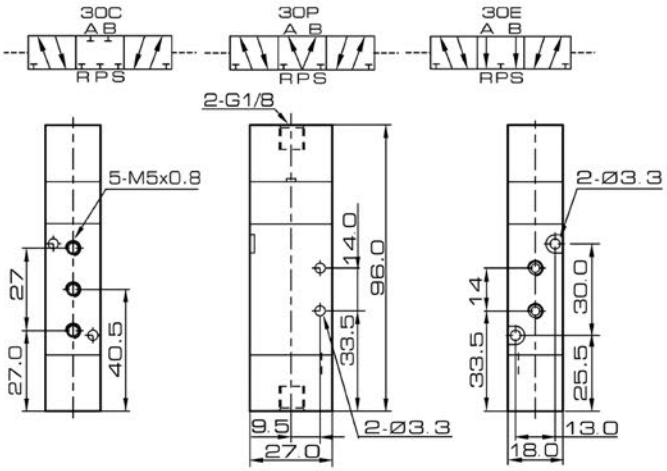
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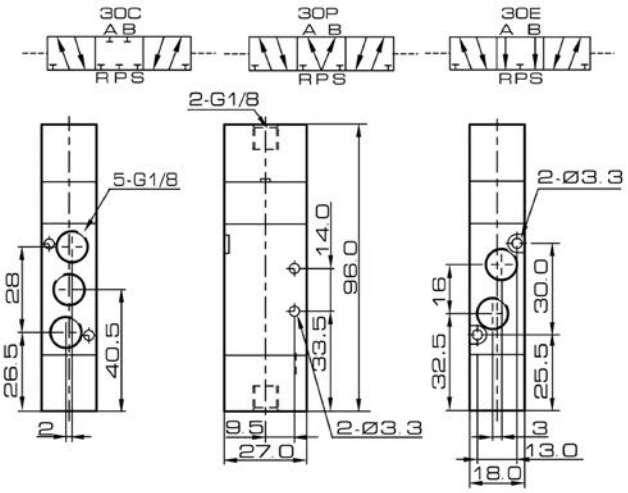
4A120-60



4A130-M5



4A130-60



Return Catalog

4V100 Series

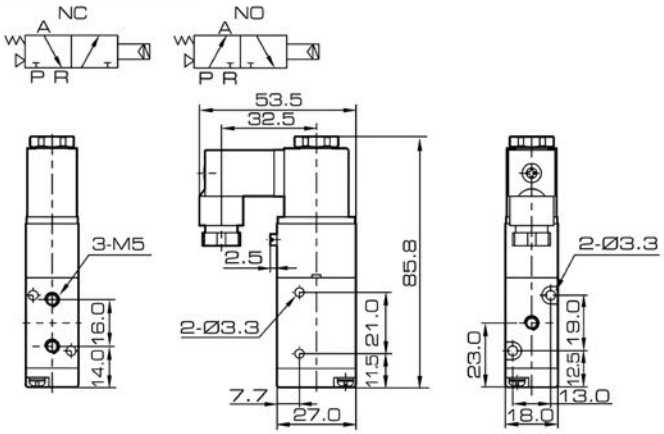
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

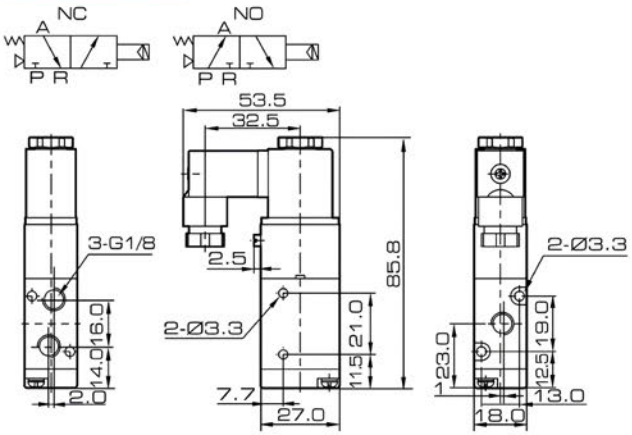
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

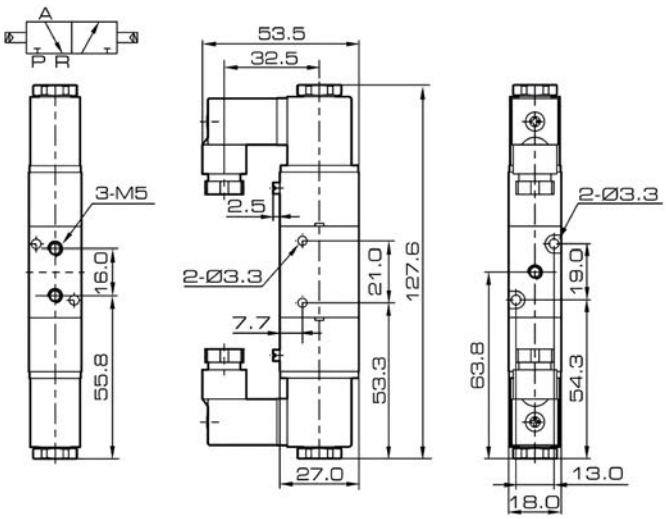
3V110-M5



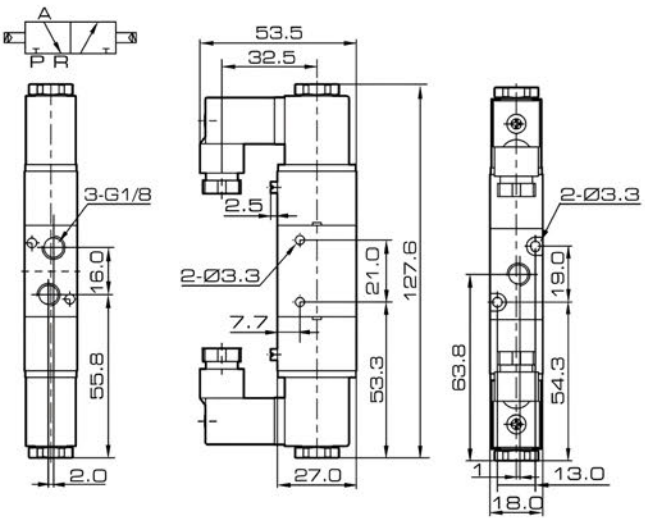
3V110-60



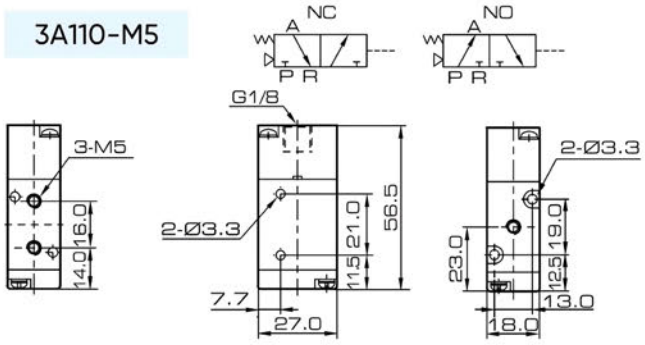
3V120-M5



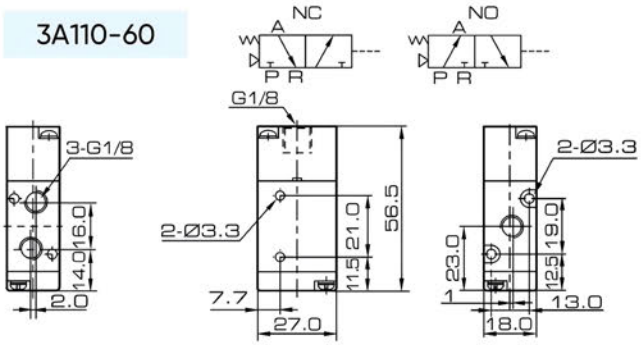
3V120-60



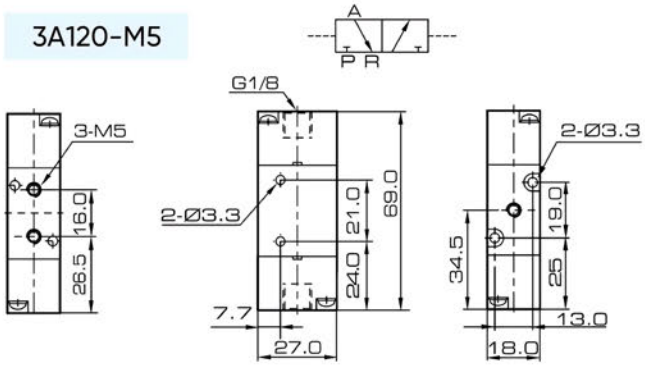
3A110-M5



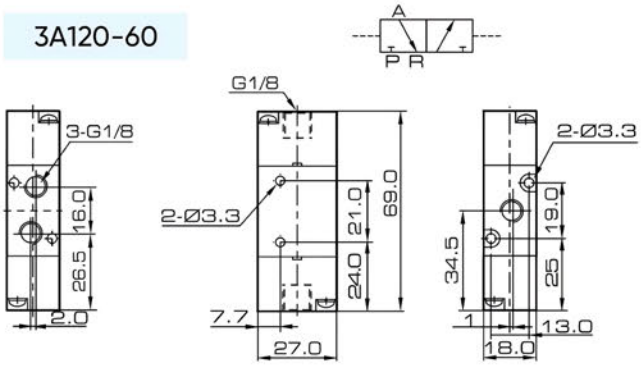
3A110-60



3A120-M5



3A120-60



Return Catalog

4V200 Series

Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series





4A210-08



4V210-08



4V220-08



4V210-08B



4V210-08



4V230C-08

Ordering Code

4V	2	10	06	B	AC220V	W
Specification	Series Code	Coil and Type	Port size	Connection and Initial status	Standard Voltage	Wiring
4V: 5/2 (3) way solenoid valve	200 Series	10: Single coil	06: 1/8"	Blank: Threaded	DC12V / DC24V	Blank: Without light terminal
4A: 5/2 (3) way air pilot valve		20: Double coil	08: 1/4"	B: Sub-plated mounted(for 5/2,5/3 way only)	AC24V / 50Hz/60Hz	LD:Brown with light terminal
3V: 3/2 way solenoid valve		30C: Mid-position closed			AC110V / 50Hz/60Hz	LD1: White with light terminal
3A: 3/2 way air pilot valve		30E: Mid-position exhausted		NC: 3/2 way normal close	AC220V / 50Hz/60Hz	W: Lead wire
		30P: Mid-position pressed		NO: 3/2 way normal open	AC380V / 50Hz/60Hz	

Specification

Model	4V210-M5	4V220-M5	4V230C-M5	4V230E-M5	4V230P-M5	4V210-06	4V220-06	4V230C-06	4V230E-06	4V230P-06
	4A210-M5	4A220-M5	4A230C-M5	4A230E-M5	4A230P-M5	4A210-06	4A220-06	4A230C-06	4A230E-06	4A230P-06
Valve Type	5/2 way		5/3 way			5/2 way		5/3 way		
Effective Cross Section Area	14 mm²(CV = 0.78)		12 mm²(CV = 0.67)			16 mm²(CV = 0.89)		12 mm²(CV = 0.67)		

Model	3V210-06	3V220-06	3A210-06	3A220-06	3V210-08	3V220-08	3A210-08	3A220-08
Valve Type	3/2 way							
Effective Cross Section Area	14 mm²(CV = 0.56)				16 mm²(CV = 0.89)			
Port Size	Inlet, Outlet, Exhaust Port = G1/8"				Inlet, Outlet=G1/4",Exhaust Port = G1/8"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15~0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5~50°C							
Operating Voltage Tolerance	± 10%							
Power Consumption	AC: 5.5 VA DC: 4.8 W							
Connector Protection	F Class, IP 65							
Wiring /Connector	Cable/Lead Wire or DIN Connector							
Switching Frequency	5 Cycles / Sec.							
Response Time	0.05 Sec.							

Return Catalog

4V200 Series

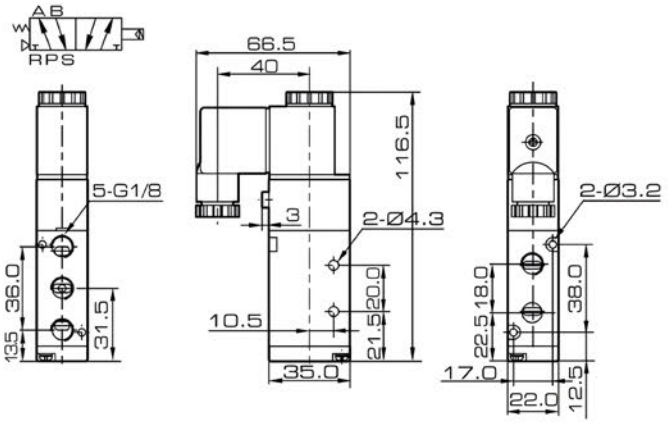
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

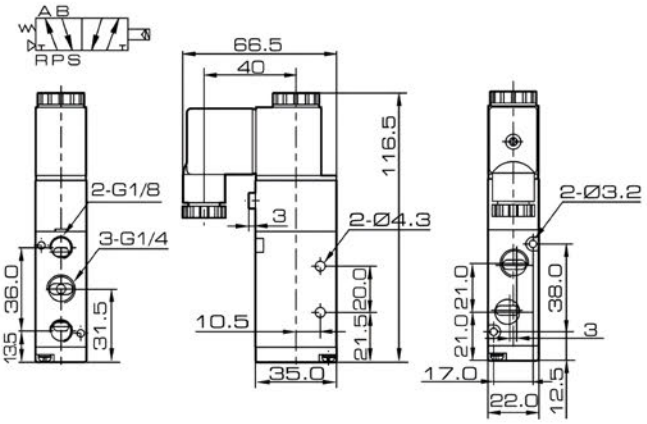
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

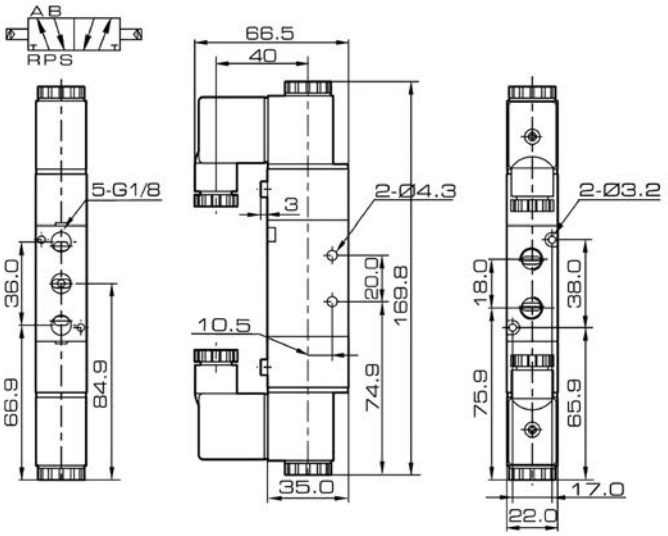
4V210-06



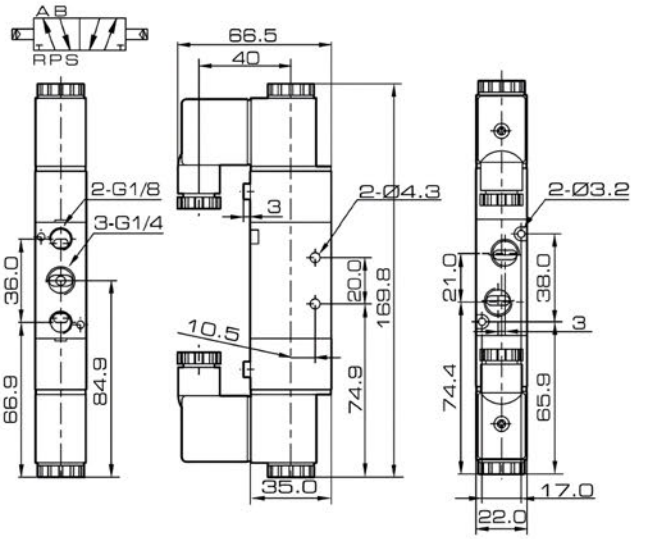
4V210-08



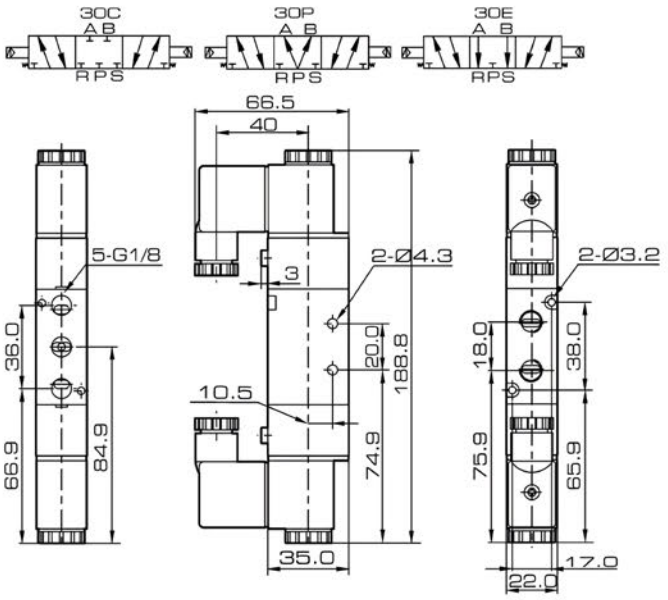
4V220-06



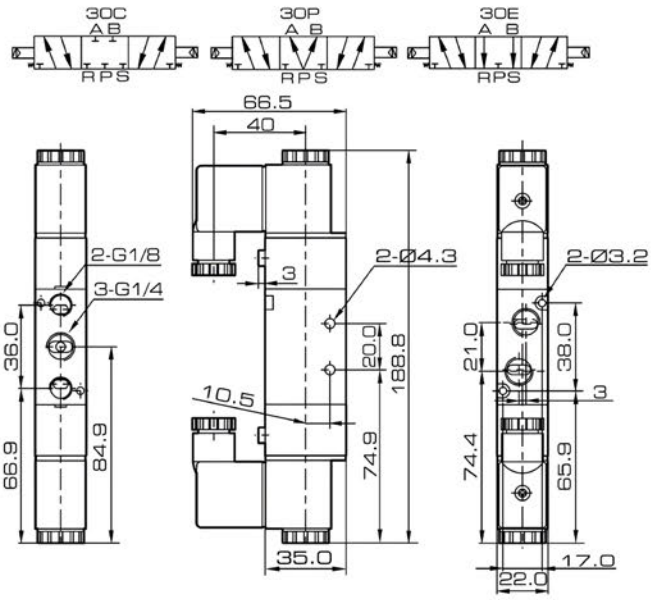
4V220-08



4V230-06



4V230-08



Return Catalog

4V200 Series

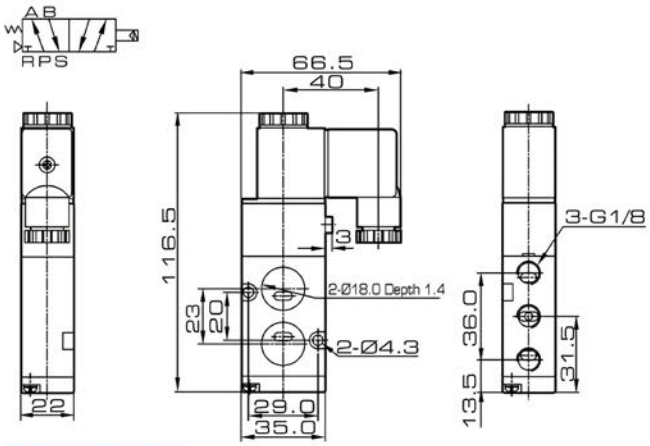
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

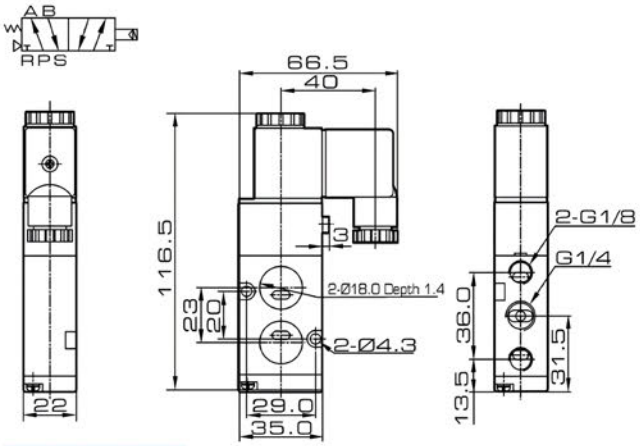
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

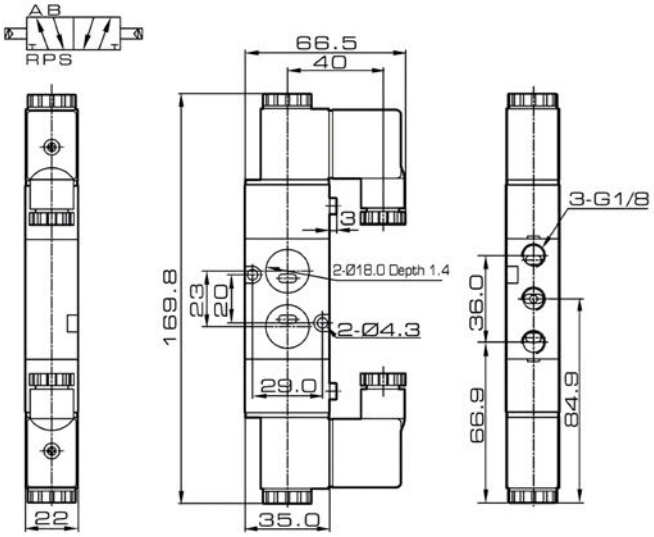
4V210-06B



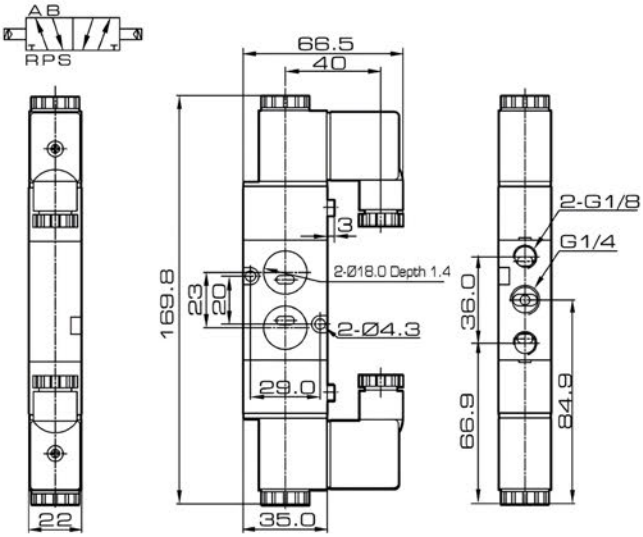
4V210-08B



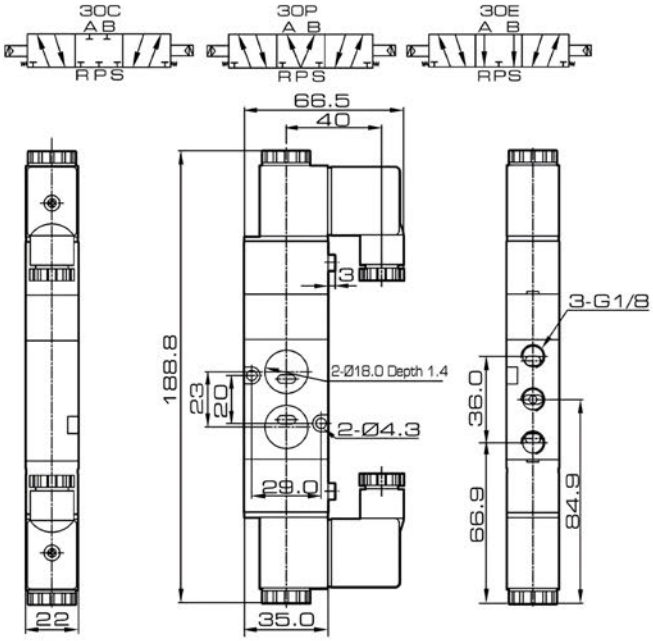
4V220-06B



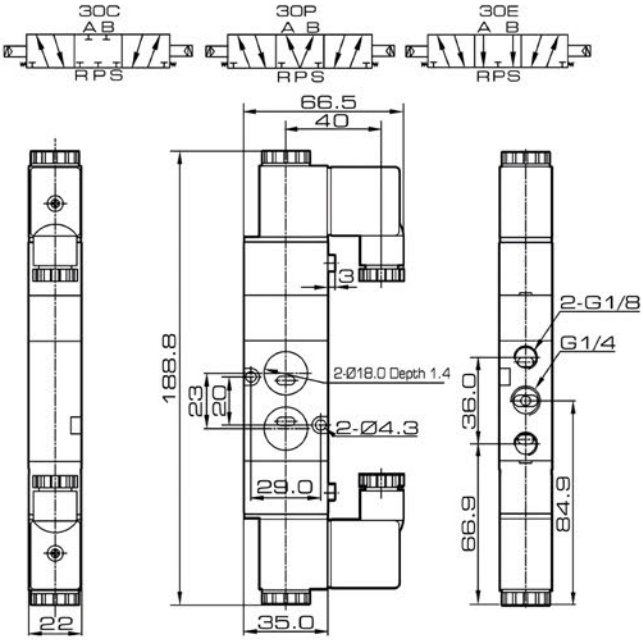
4V220-08B



4V230-06B



4V230-08B



Return Catalog

4V200 Series

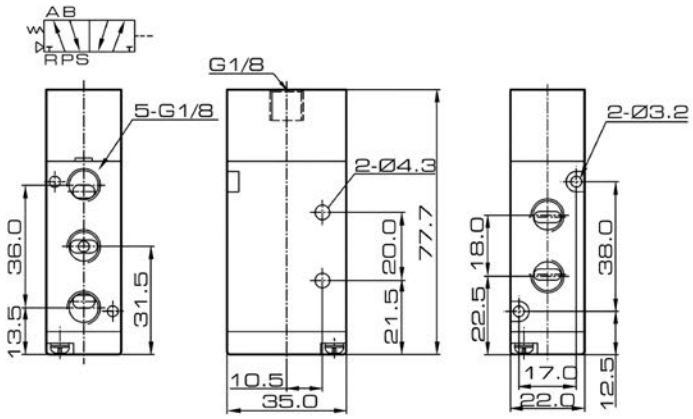
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

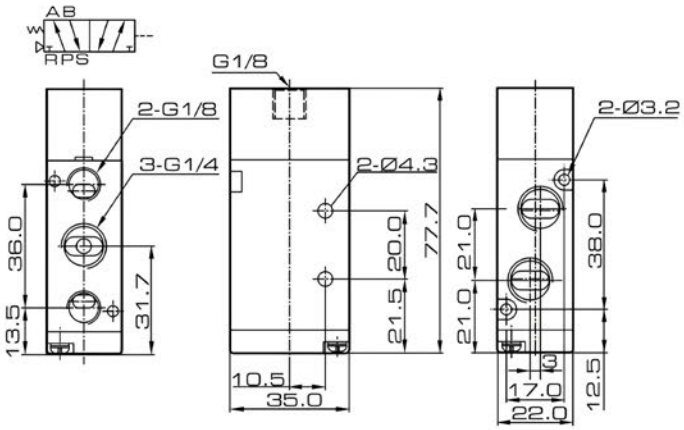
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

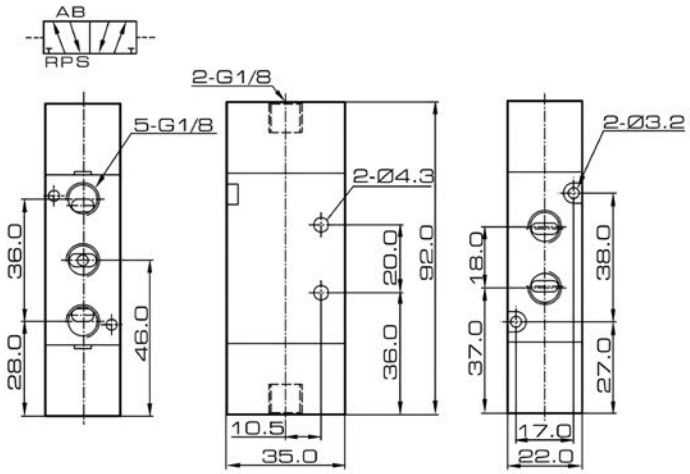
4A210-06



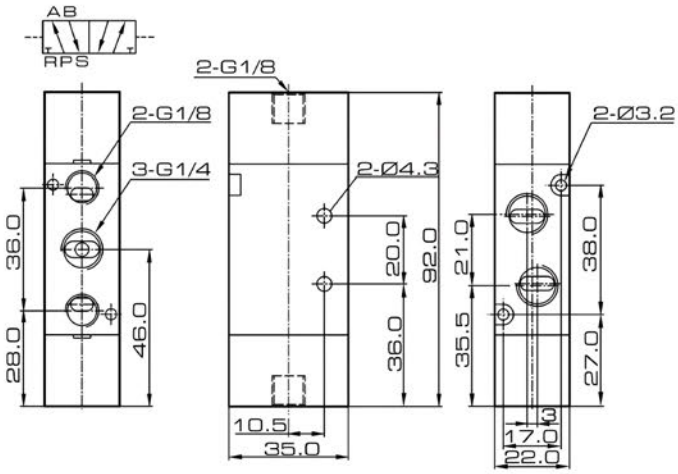
4A210-08



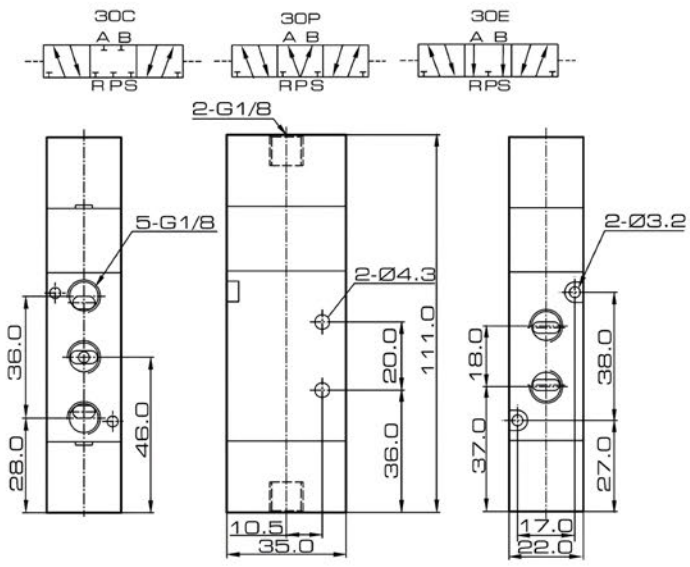
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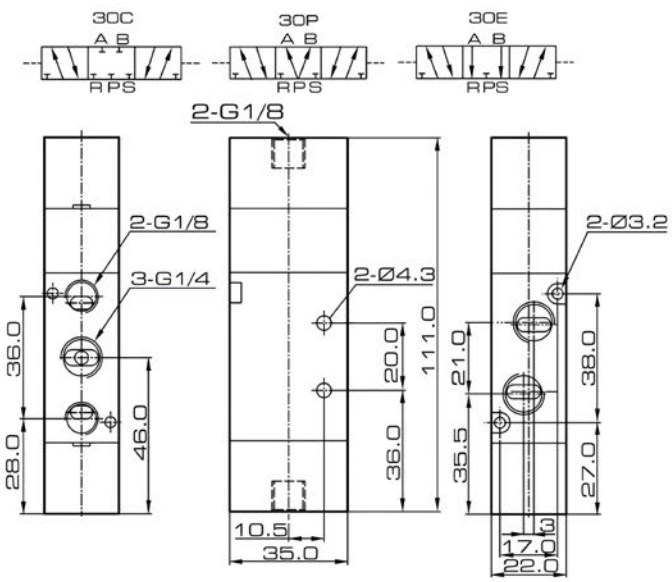
4A220-08



4A230-06



4A230-08



Return Catalog

4V200 Series

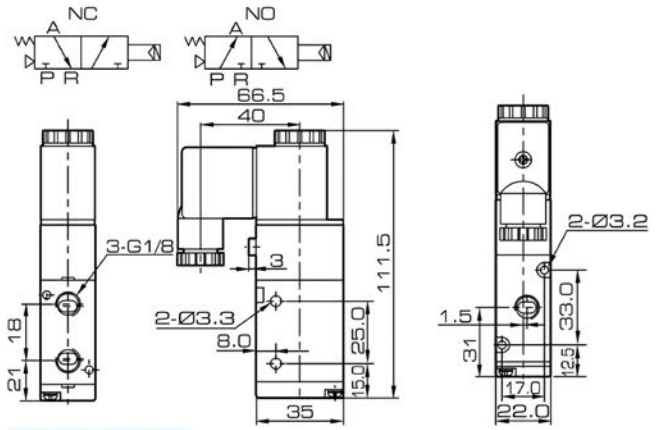
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

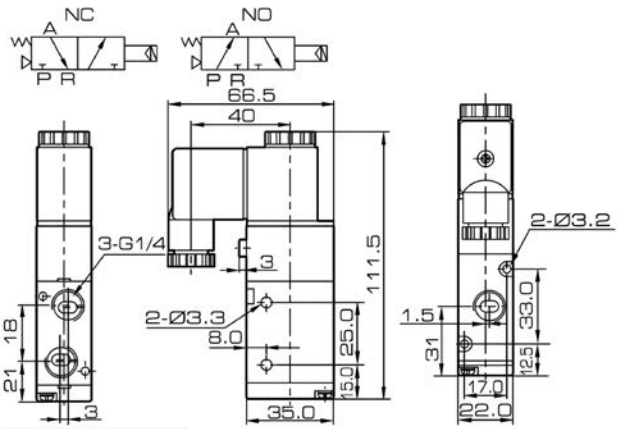
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

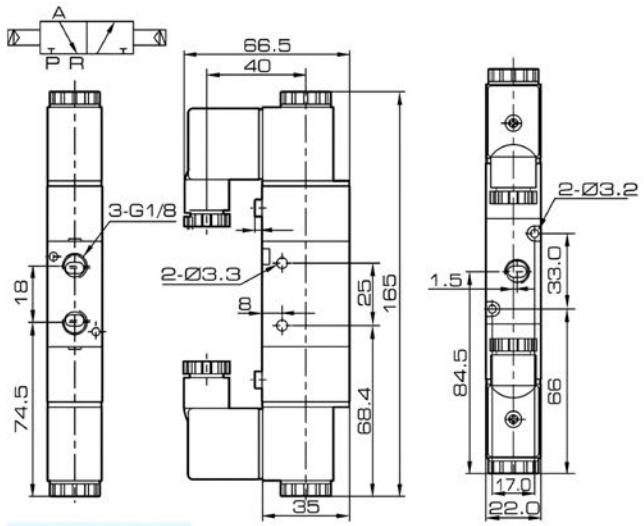
3V210-06



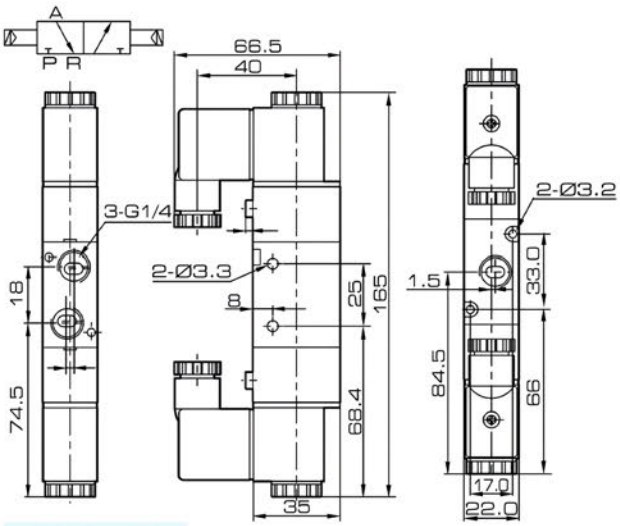
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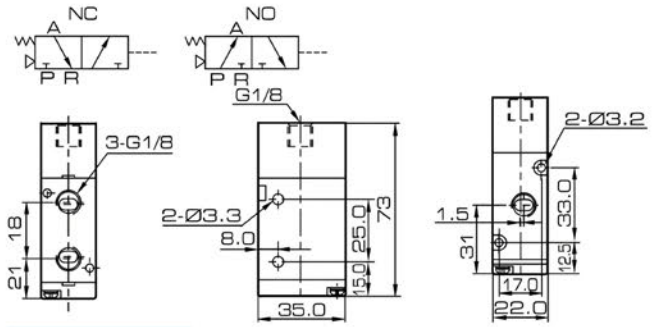
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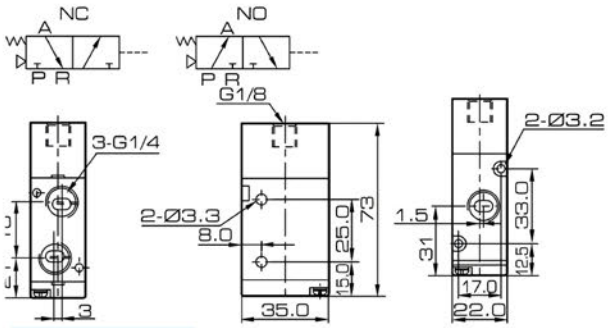
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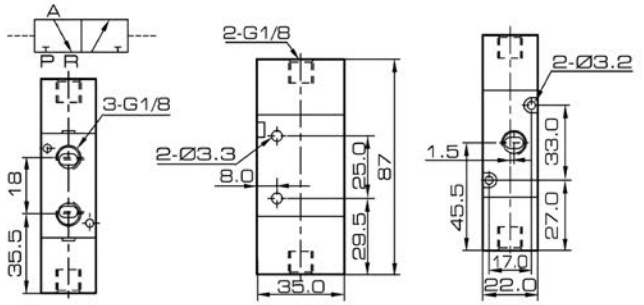
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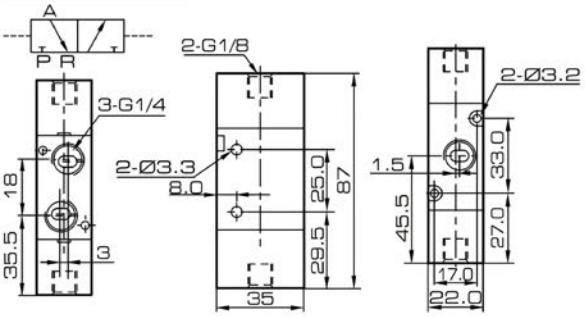
3A210-08



3A220-06



3A220-08



Return Catalog

4V300 Series

Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series





Ordering Code

4V	3	10	10	B	AC220V	W
Specification	Series Code	Coil and Type	Port size	Connection and Initial status	Standard Voltage	Wiring
4V: 5/2 (3) way solenoid valve	300 Series	10: Single coil	08: 1/4"	Blank: Threaded	DC12V / DC24V	Blank: Without light terminal
4A: 5/2 (3) way air pilot valve		20: Double coil	10: 3/8"	B: Sub-plated mounted(for 5/2.5/3 way only)	AC24V / 50Hz/60Hz	LD:Brown with light terminal
3V: 3/2 way solenoid valve		30C: Mid-position closed			AC110V / 50Hz/60Hz	LD1: White with light terminal
3A: 3/2 way air pilot valve		30E: Mid-position exhausted		NC: 3/2 way normal close	AC220V / 50Hz/60Hz	W: Lead wire
		30P: Mid-position pressed		NO: 3/2 way normal open	AC380V / 50Hz/60Hz	

Specification

Model	4V310-08	4V320-08	4V330C-08	4V330E-08	4V330P-08	4V310-10	4V320-10	4V330C-10	4V330E-10	4V330P-10
	4A310-08	4A320-08	4A330C-08	4A330E-08	4A330P-08	4A310-10	4A320-0	4A330C-10	4A230E-10	4A330P-10
Valve Type	5/2 way		5/3 way			5/2 way		5/3 way		
Effective Cross Section Area	25 mm²(CV = 1.4)		18 mm²(CV = 1.0)			30 mm²(CV = 1.68)		18 mm²(CV = 1.0)		

Model	3V310-08	3V320-08	3A310-08	3A320-08	3V310-10	3V320-10	3A310-10	3A320-10
Valve Type	3/2 way							
Effective Cross Section Area	25 mm²(CV = 0.56)				30 mm²(CV = 0.89)			
Port Size	Inlet, Outlet, Exhaust Port = G1/4"				Inlet, Outlet=G3/8",Exhaust Port = G1/4"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15~0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5~50°C							
Operating Voltage Tolerance	± 10%							
Power Consumption	AC: 5.5 VA DC: 4.8 W							
Connector Protection	F Class, IP 65							
Wiring /Connector	Cable/Lead Wire or DIN Connector							
Switching Frequency	5 Cycles / Sec.							
Response Time	0.05 Sec.							

Return Catalog

4V300 Series

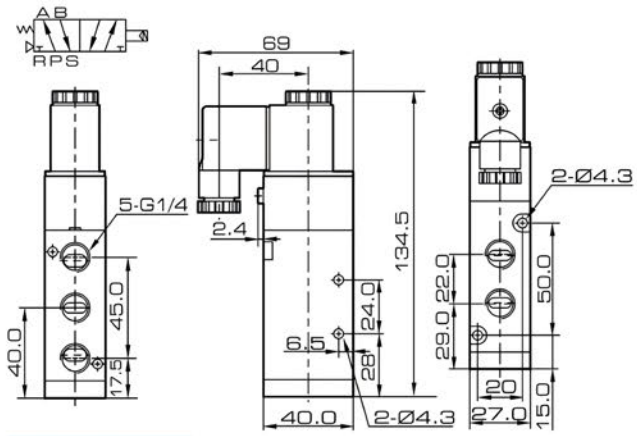
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

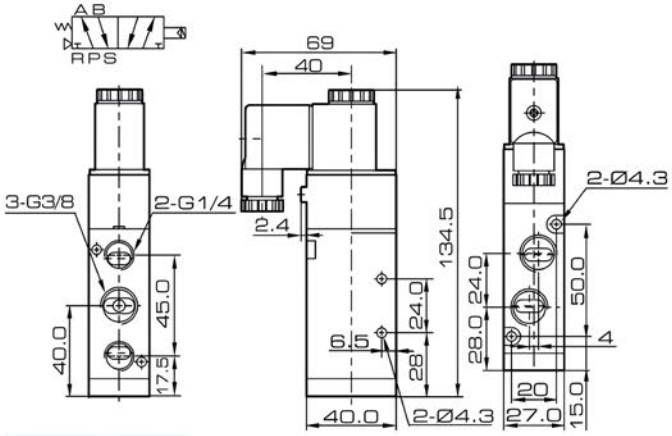
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

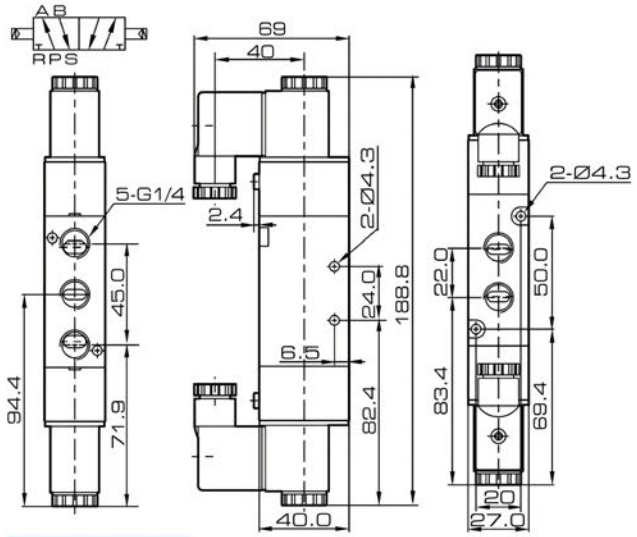
4V310-06



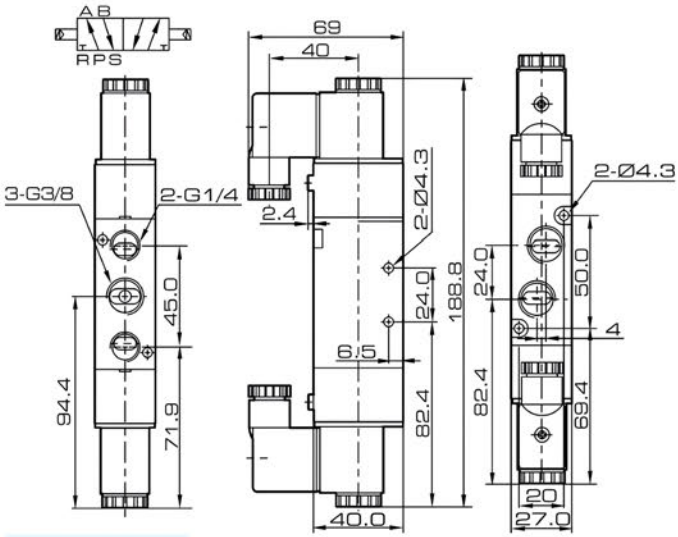
4V310-10



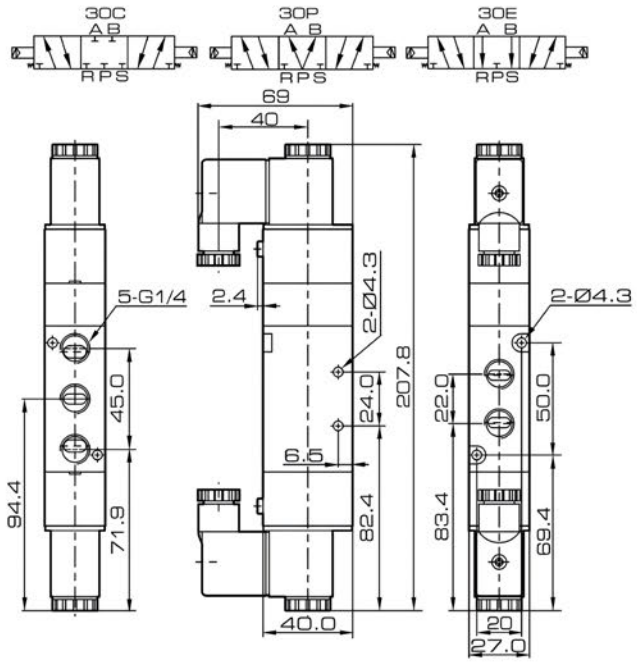
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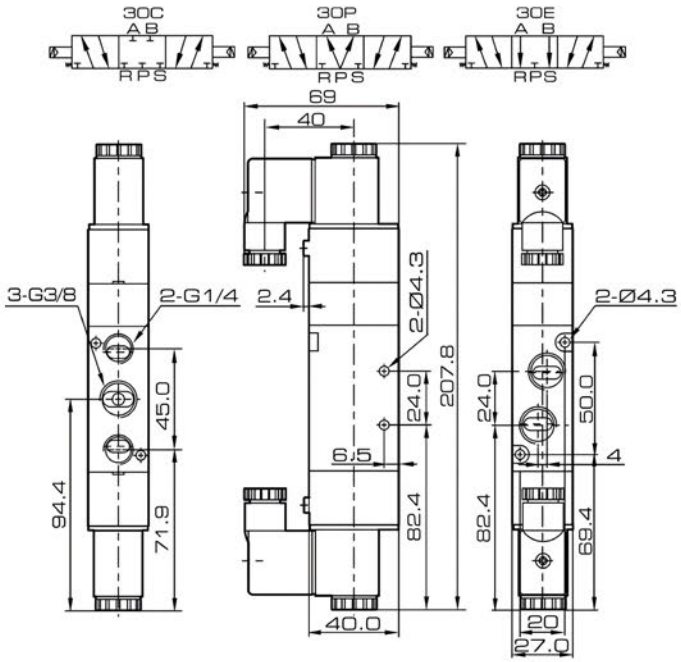
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4V330-08



4V330-10



Return Catalog

4V300 Series

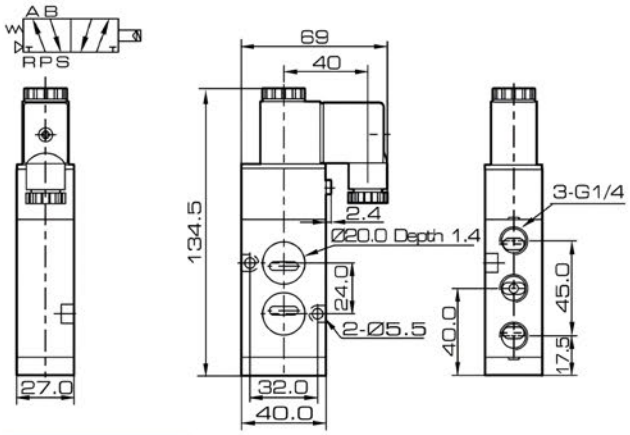
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

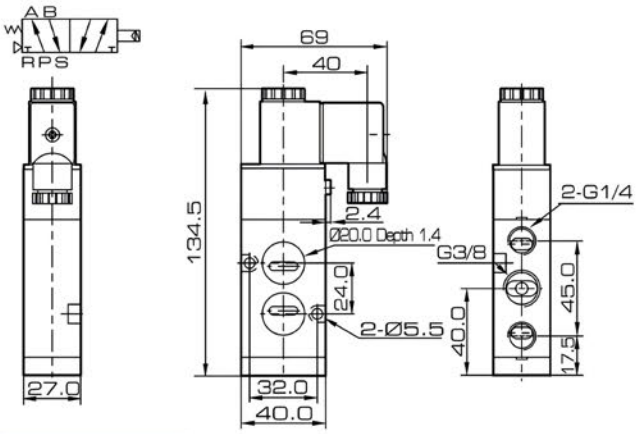
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

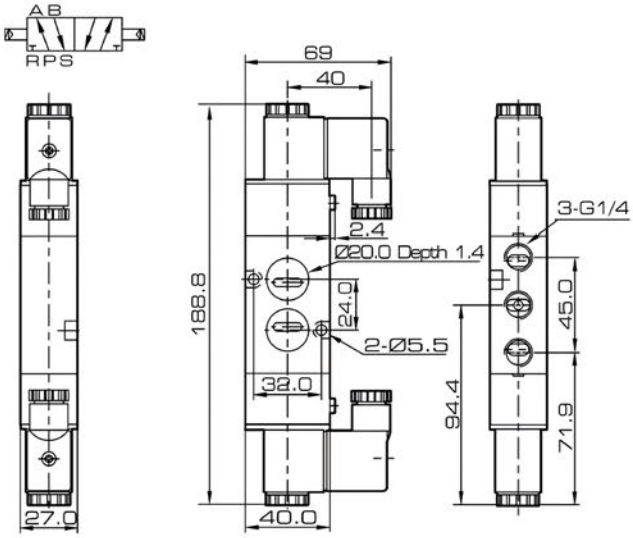
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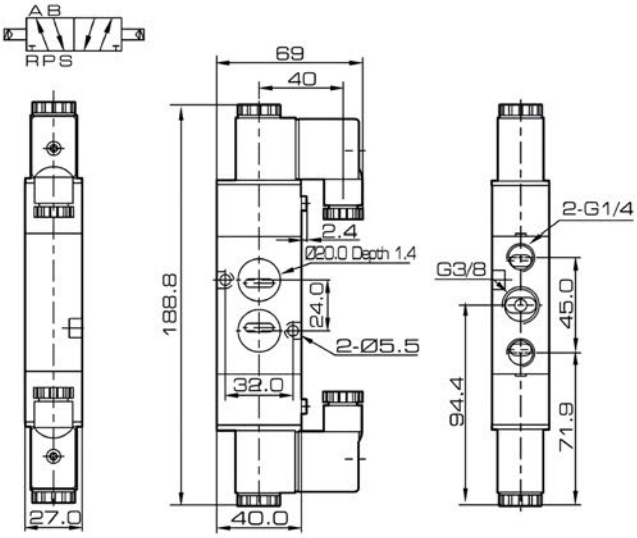
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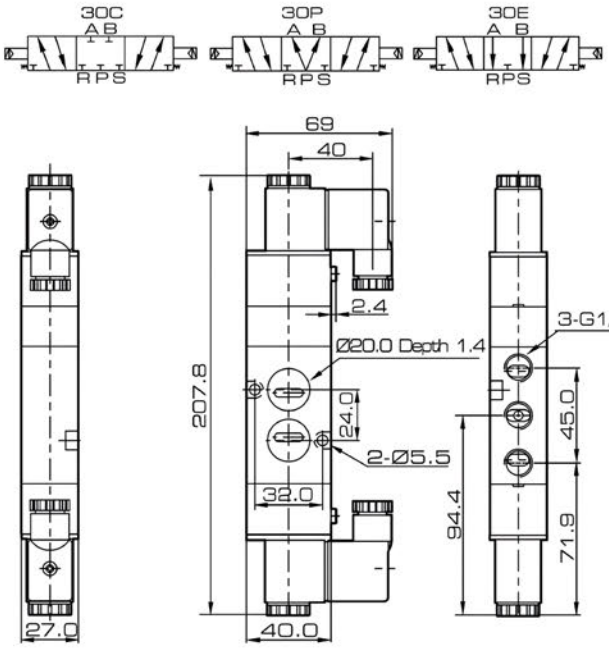
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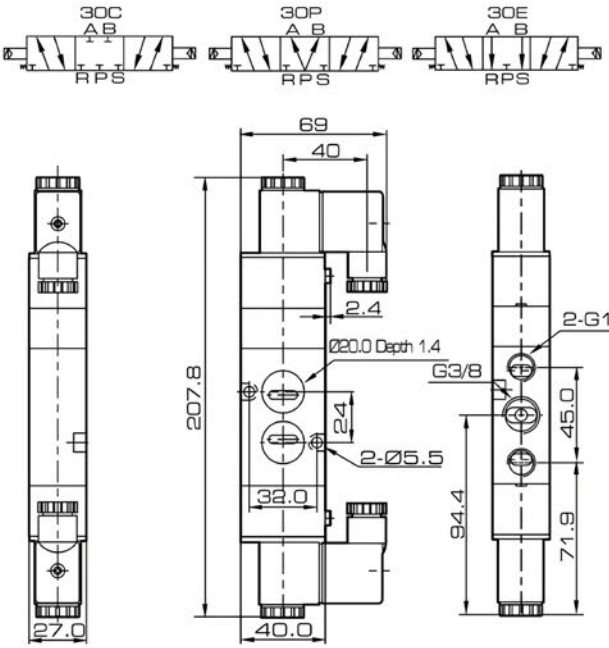
4V320-10B



4V330-08B



4V330-10B



Return Catalog

4V300 Series

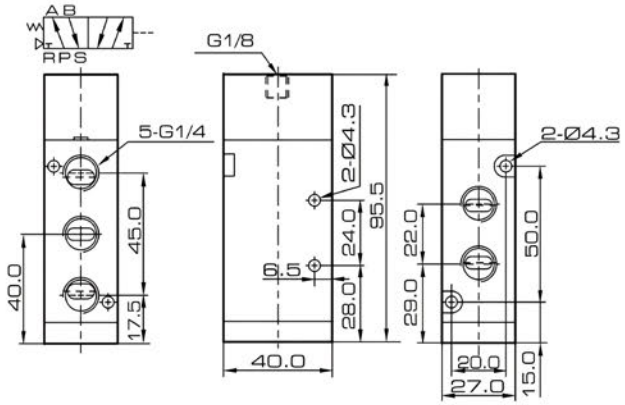
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

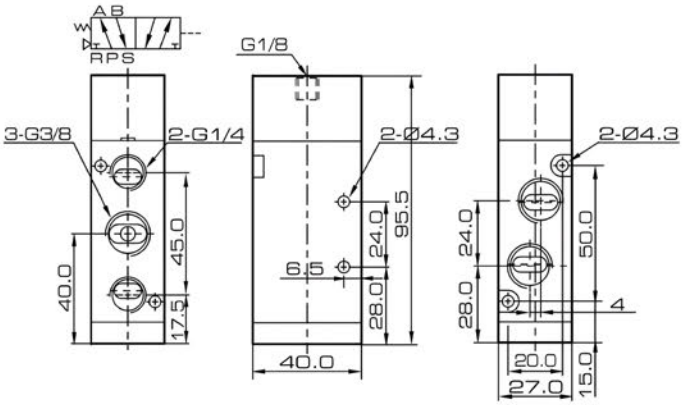
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

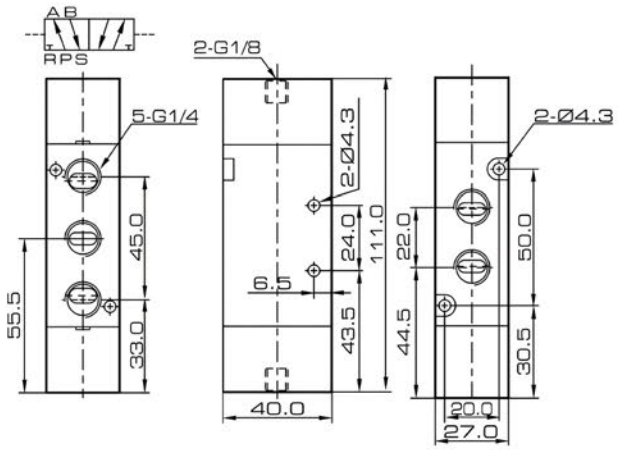
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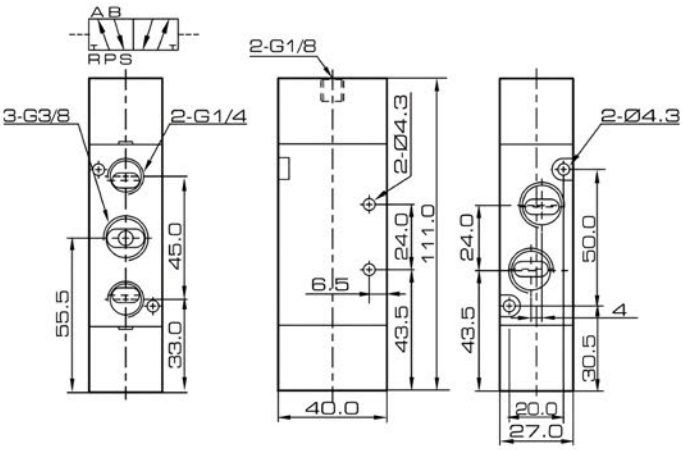
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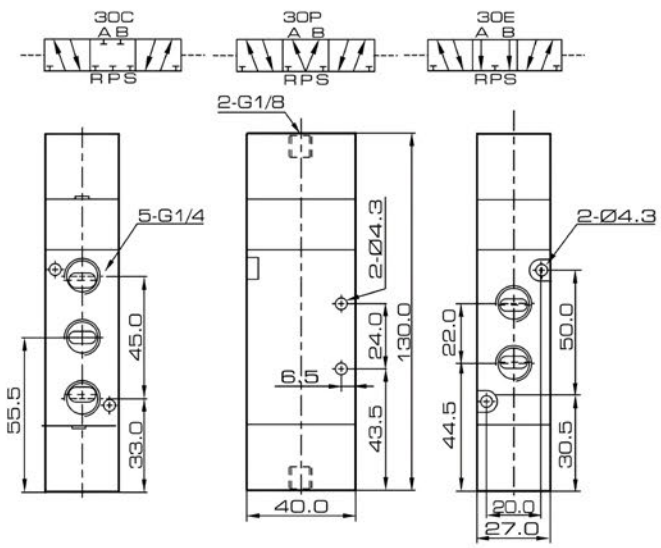
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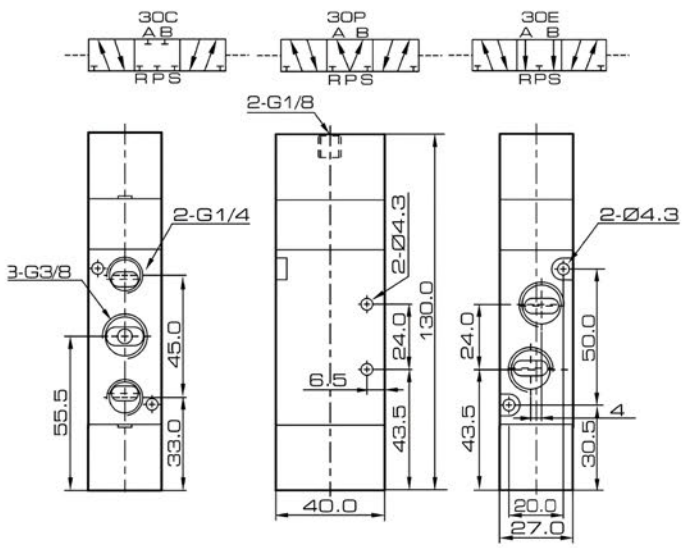
4A320-10



4A330-08



4A330-10



Return Catalog

4V300 Series

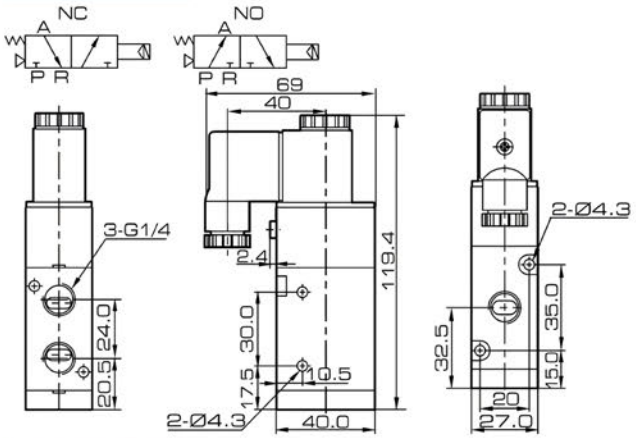
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

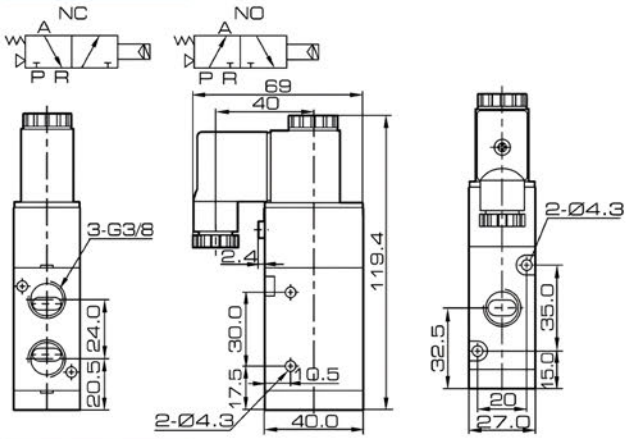
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

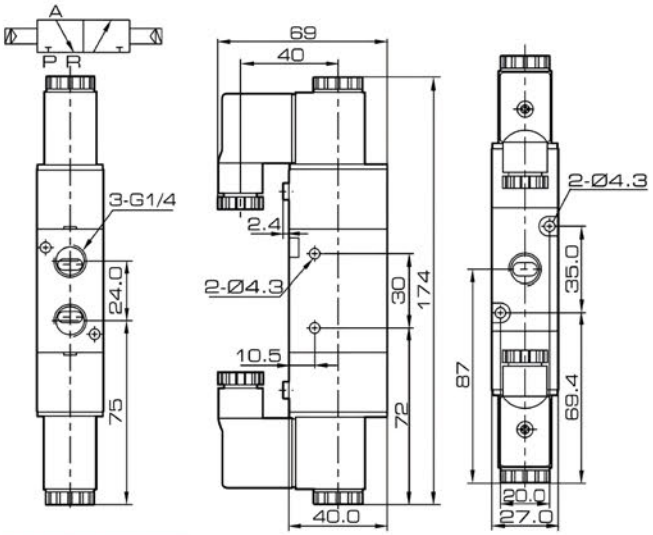
3V310-08



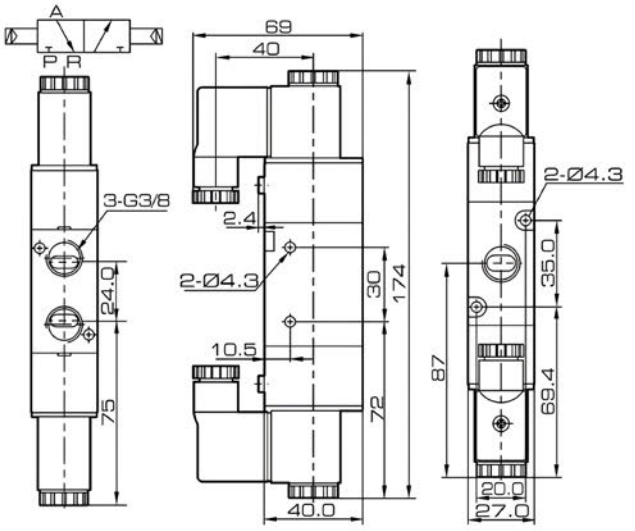
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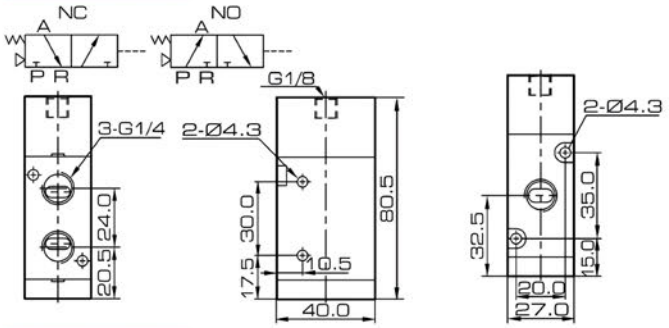
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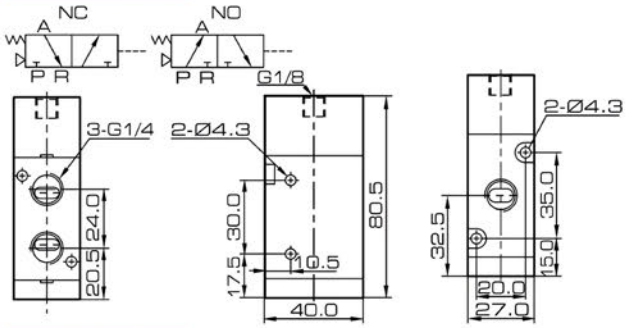
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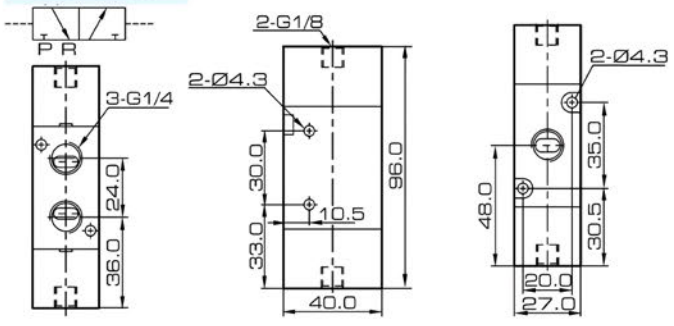
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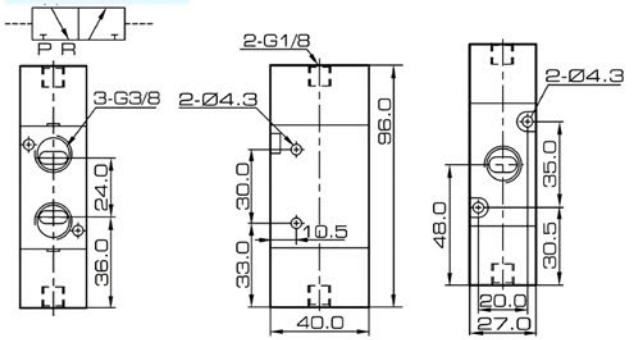
3A310-10



3A320-08



3A320-10



Return Catalog

4V400 Series

Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



Ordering Code

4V	4	10	10	B	AC220V	W
Specification	Series Code	Coil and Type	Port size	Connection and Initial status	Standard Voltage	Wiring
4V: 5/2 (3) way solenoid valve	400 Series	10: Single coil	15: 1/2"	Blank: Threaded	DC12V / DC24V	Blank: Without light terminal
4A: 5/2 (3) way air pilot valve		20: Double coil		B: Sub-plated mounted(for 5/2.5/3 way only)	AC24V / 50Hz/60Hz	LD:Brown with light terminal
3V: 3/2 way solenoid valve		30C: Mid-position closed		NC: 3/2 way normal close	AC110V / 50Hz/60Hz	LD1: White with light terminal
3A: 3/2 way air pilot valve		30E: Mid-position exhausted		NO: 3/2 way normal open	AC220V / 50Hz/60Hz	W: Lead wire
		30P: Mid-position pressed			AC380V / 50Hz/60Hz	

Specification

Model	4V410-15	4V420-15	4V430C-15	4V430E-15	4V430P-15
	4A410-15	4A420-15	4A430C-15	4A430E-15	4A430P-15
Valve Type	5/2 way		5/3 way		
Effective Cross Section Area	50 mm²(CV = 2.79)		30 mm²(CV = 1.68)		

Model	3V410-15	3V420-15	3A410-15	3A420-15
Valve Type	3/2 way			
Effective Cross Section Area	50 mm²(CV = 2.79)			
Port Size	Inlet, Outlet, Exhaust Port = G1/2"			
Working Medium	40 Micron Filtered Air			
Operation	Internal piloted			
Working-pressure	0.15~0.8 MPa			
Max. Test Pressure	1.2 MPa			
Ambient Temperature	5~50°C			
Operating Voltage Tolerance	± 10%			
Power Consumption	AC: 5.5 VA DC: 4.8 W			
Connector Protection	F Class, IP 65			
Wiring /Connector	Cable/Lead Wire or DIN Connector			
Switching Frequency	5 Cycles / Sec.			
Response Time	0.05 Sec.			

Return Catalog

4V400 Series

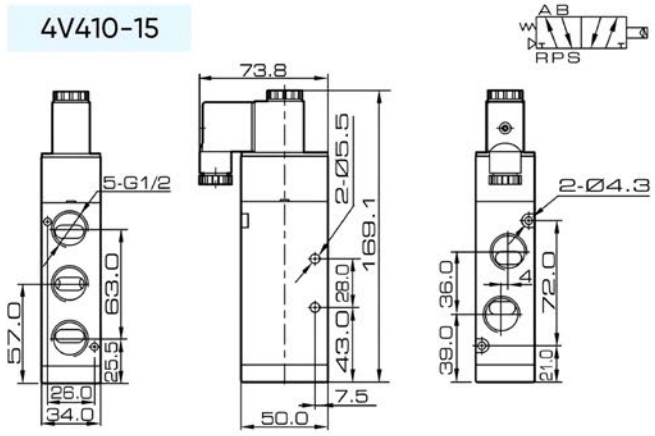
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

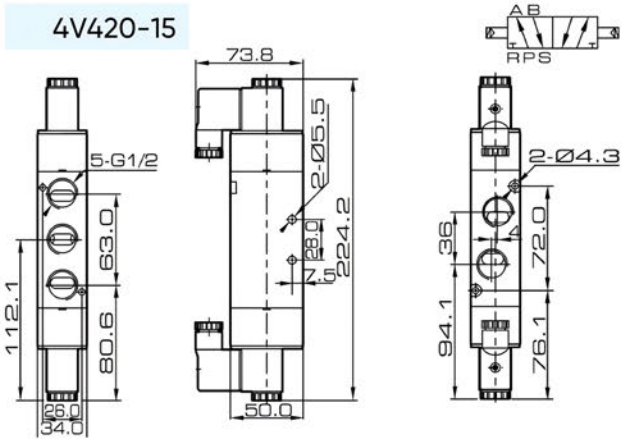
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

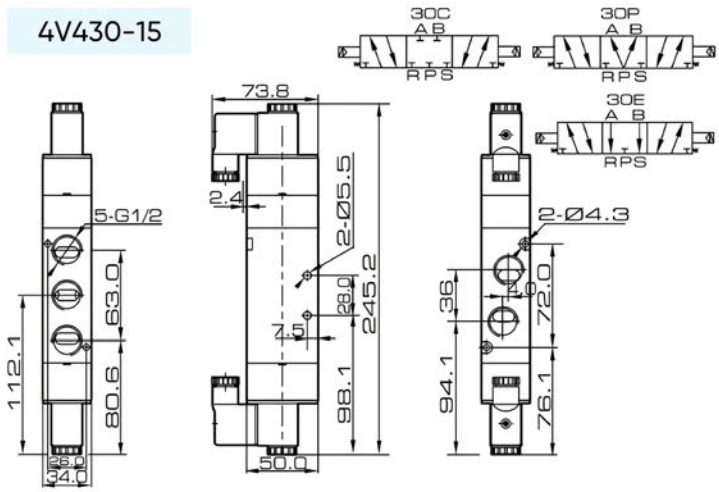
4V410-15



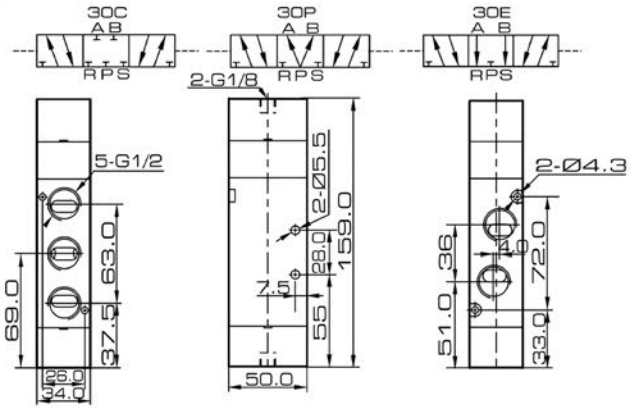
4V420-15



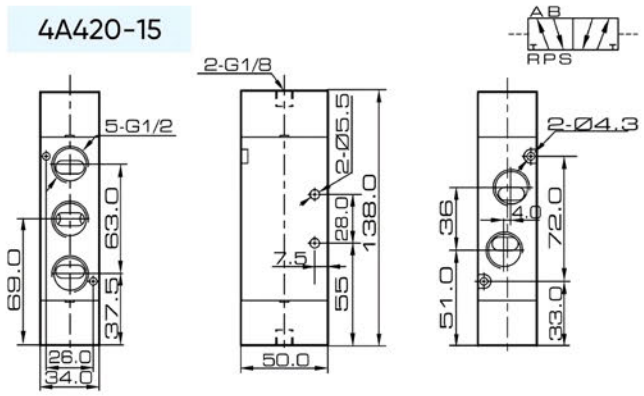
4V430-15



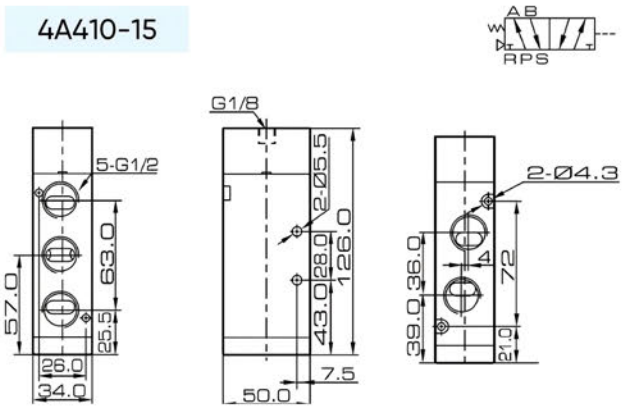
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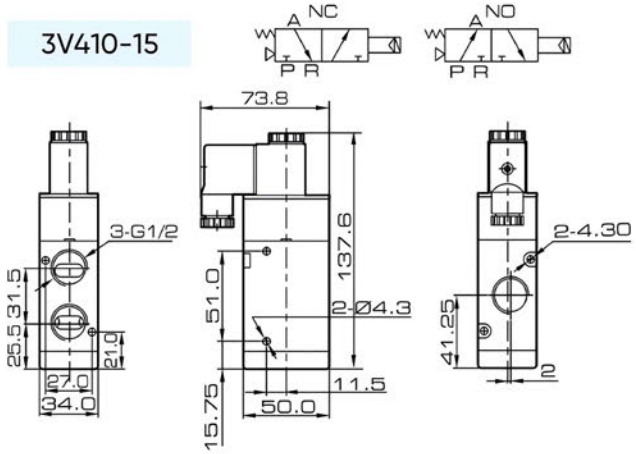
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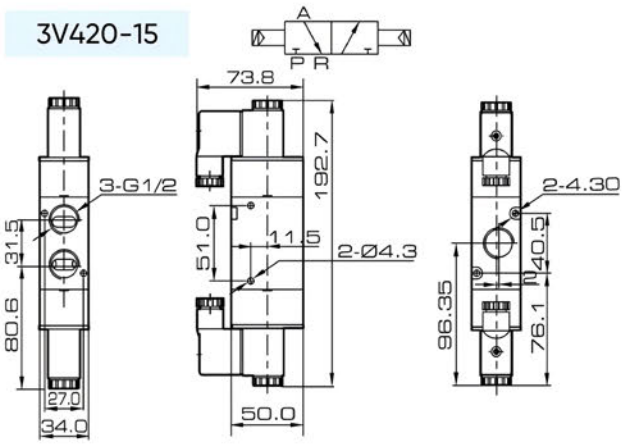
4A410-15



3V410-15



3V420-15



Return Catalog

4V400 Series

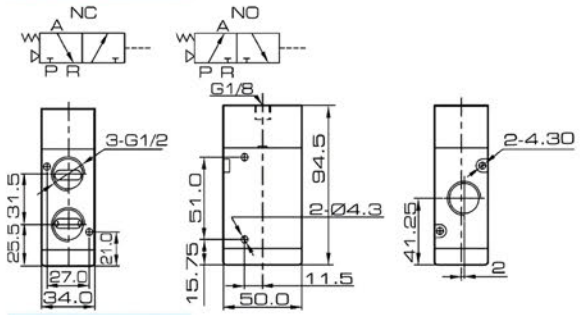
Solenoid Valve, Air Piloted Valve

VILOP PNEUMATIC CO.,LTD

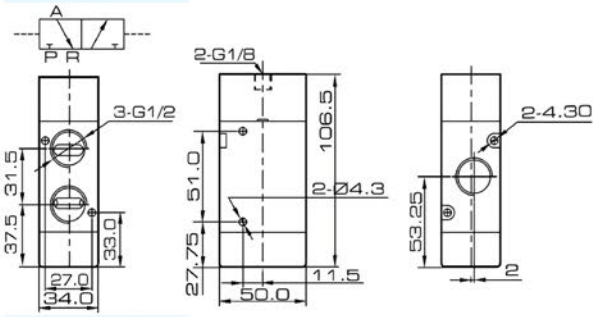
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

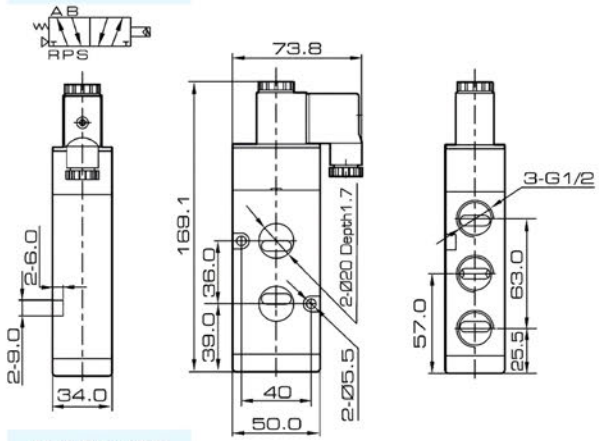
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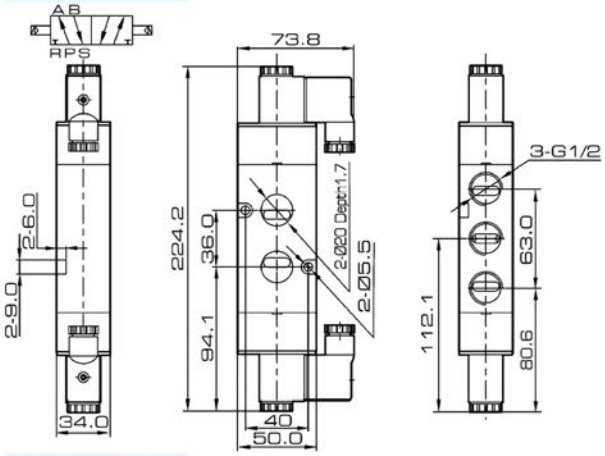
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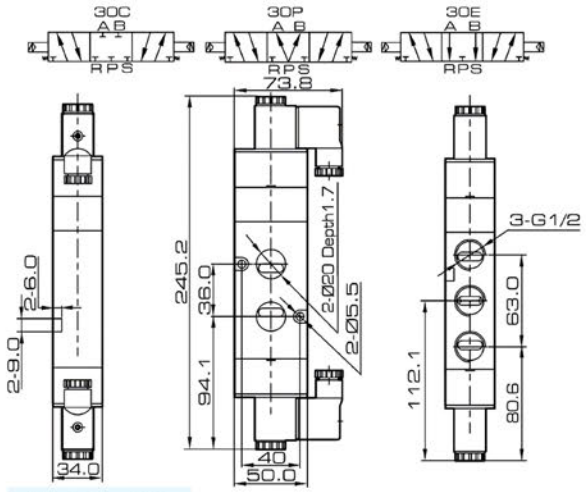
4V410-15B



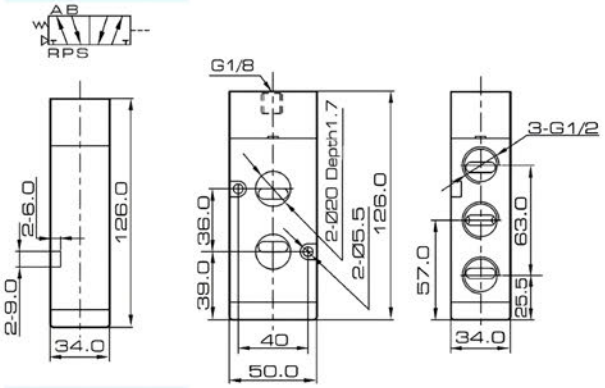
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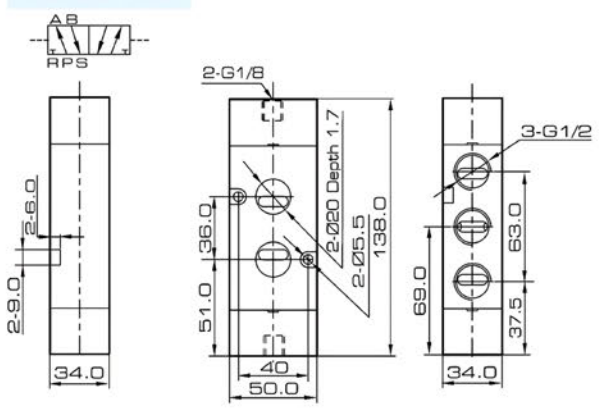
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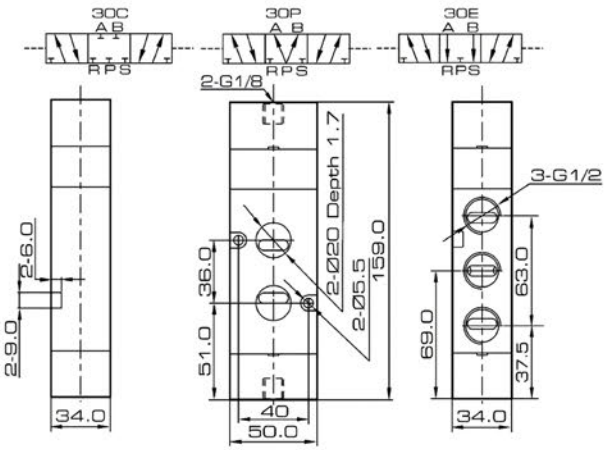
4A410-15B



4A420-15B



4A430-15B



Return Catalog

GC Series

Air Source Treatment

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



GC



GFC



GFR

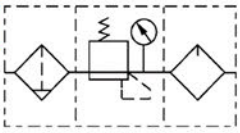


GR

Ordering Code

VXH	200	08	M	F	1	W	G
Model	Series	Port Size	Drain	Pressure Gauge	Scale	Filter Accuracy	Thread
GC: 3 Combination	200 Series	06: PT 1/8	Blank: Semi-auto drain	F: Square type	1: MPa	Blank: 40 μ	Blank: PT
GFC: 2 Combination	300 Series	08: PT 1/4	M: Manual drain	C: Traditional type	1: Psi	W: 5 μ	G: PS
GFR: Filter-regulator combination	400 Series	10: PT 3/8	A: Auto drain				T: NPT
GF: Filter		15: PT 1/2					
GR: Regulator							
GL: Lubricator							

Symbol



*Note: No Auto Drain type is available on GC 200 Series.
**Note: Max. adjustable pressure is at 0.4 MPa on Low pressure type.

Specification

Model		GC200-06	GC200-08	GC300-08	GC300-10	GC300-15	GC400-10	GC400-15
Working medium		Air						
Port Size		PT1/8	PT1/4	PT1/4	PT3/8	PT1/2	PT3/8	PT1/2
Filtration		40μ or 5μ						
Adjustable pressure range		0.15~0.9 MPa						
Maximum working pressure		1.0 MPa						
Proof Pressure		1.5 MPa						
Operating Temperature Range		5~60°C						
Capacity of Filter Cup		10 CC		40 CC			80 CC	
Capacity of Oil Cup		25 CC		75 CC			160 CC	
Recommended Lubrication		ISO VG 32 or Same Grade						
Weight		580 g		1300 g			2358 g	
Components	Filter	GF200-06	GF200-08	GF300-08	GF300-10	GF300-15	GF400-10	GF400-15
	Regulator	GR200-06	GR200-08	GR300-08	GR300-10	GR300-15	GR400-10	GR400-15
	Lubricator	GL200-06	GL200-08	GL300-08	GL300-10	GL300-15	GL400-10	GL400-15

Return Catalog

GC Series

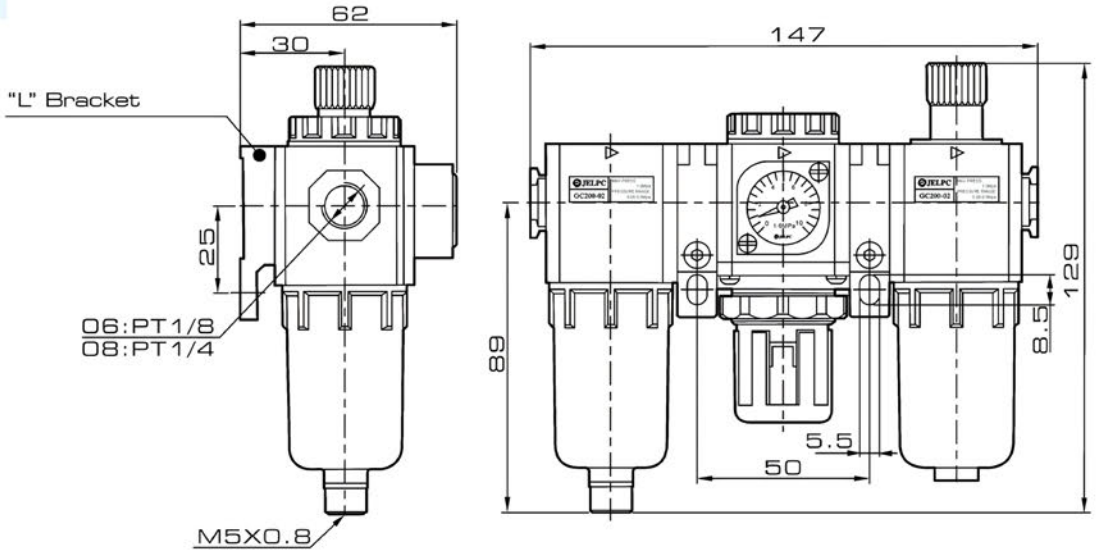
Air Source Treatment

VILOP PNEUMATIC CO.,LTD

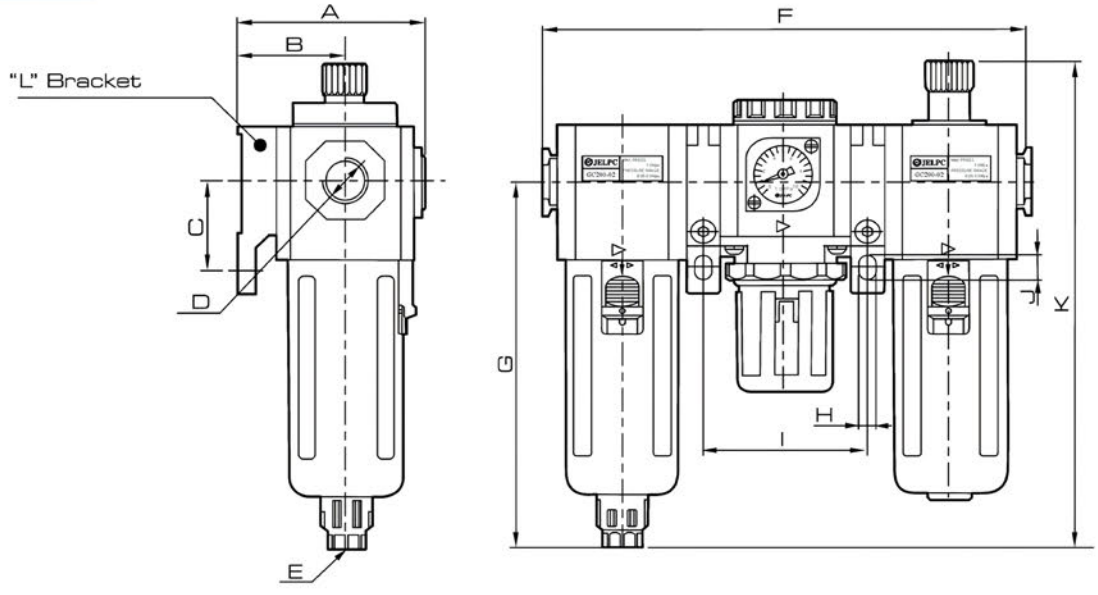
Cylinder series/Gas source series/Valve series/Other series

Overall Dimension

GC 200



GC 300 / 400



Dimension

Model / Symbol	A	B	C	D	E	F	G	H	I	J	K
GC300-08	71	41.5	35	PT 1/4	PS1/8	188	14	6.5	64	9	188
GC300-10	71	41.5	35	PT 3/8	PS1/8	188	143	6.5	64	9	188
GC300-15	71	41.5	35	PT 1/2	PS1/8	188	143	6.5	64	9	188
GC400-10	85.5	50	40	PT 3/8	PS1/4	248	166.5	8.5	84	12	216
GC400-15	85.5	50	40	PT 1/2	PS1/4	248	166.5	8.6	84	12	216

Return Catalog

AL / BL Series

Lubricator

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series



AL2000

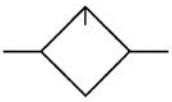


BL2000~4000

Otdering Code

BL	3000
Model	Model
AL: Small 	1500: G1/8"
BL: Medium 	2000: G1/4"
	3000: G3/8"
	4000: G1/2"

Symbol

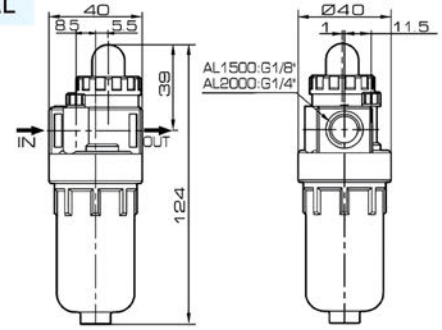


Specification

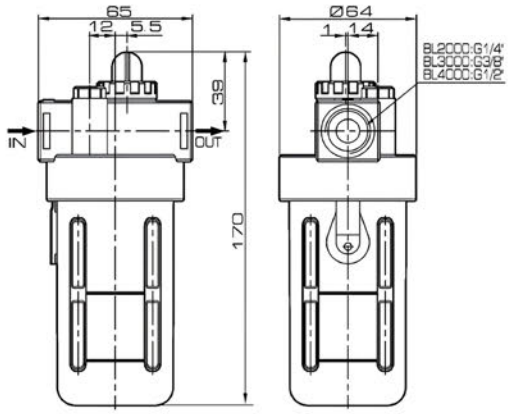
Model		AL1500	AL2000	BL2000	BL3000	BL4000
Operating Fluid		Air				
Port Size		G1/8"	G1/4"	G1/4"	G3/8"	G1/2"
Range of Adjustable Pressure		1.5 MPa				
Proof Pressure Resistance		5~60°C				
Operating Temperature Range		ISO WG 32 or Same Grade Oil				
Capacity of Filter Cup		25 CC		90 CC		
Weight		0.17 KG		0.25 KG		
Material	Body	Aluminum Alloy Die-casting Forming				
	Container Cup	PC				
	Protective Cover	-		Iron		

Overal Dimension

AL



BL



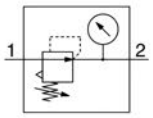
Return Catalog

ARG Series
Air Source Treatment

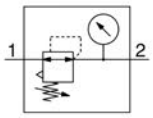
VILOP PNEUMATIC CO.,LTD
Cylinder series / Gas source series / Valve series / Other series

RoHS

Symbol
Regulator

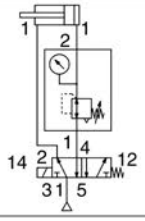


Regulator with Backflow Function

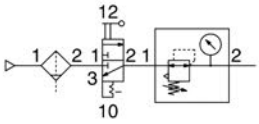


Models with the backflow function include a mechanism which allows for the air pressure in the outlet side to be released to the inlet side.

Example 1)
When the pressure in the rear and the front of the cylinder differs:



Example 2)
When the air supply is cut off and releasing the inlet pressure to the atmosphere, the residual pressure release of the outlet side can be ensured for a safety purpose.



ARG 30 K - □ 03 □ G1 - □ - B
① ② ③ ④ ⑤ ⑥ ⑦

- Option/Pressure gauge/Semi-standard: Select one each for **a** to **f**.
- Option/Pressure gauge/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.

Example) ARG30K-03G1H-1N-B

			Symbol	Description	❶ Body size 20	30	40
❷	With backflow function		**Nil**	Without backflow function	●	●	●
			K[*1]	With backflow function	●	●	●
			+				
❸	Pipe thread type		**Nil**	Rc	●	●	●
			N	NPT	●	●	●
			F	G	●	●	●
			+				
❹	Port size		**01**	1/8	●	—	—
			02	1/4	●	●	●
			03	3/8	—	●	●
			04	1/2	—	—	●
			+				
❺	Option[*2]	**a** Mounting	**Nil**	Without mounting option	●	●	●
			B[*3]	With bracket	●	●	●
			H	With set nut (for panel mount)	●	●	●
			+				
❻		**b** Mounting angle of pressure gauge[*4]	**G1**	0° (Mounting angle view: Refer to the next page)	●	●	●
			G2	90°	●	●	●
			G3	180°	●	●	●
			G4	270°	●	●	●
			+				
❼	Semi-standard	**c** Set pressure[*5]	**Nil**	0.05 to 0.85 MPa setting	●	●	●
			1	0.02 to 0.2 MPa setting	●	●	●
			+				
		d Exhaust mechanism	**Nil**	Relieving type	●	●	●
			N	Non-relieving type	●	●	●
			+				
		e Knob	**Nil**	Downward	●	●	●
			Y	Upward	●	●	●
			+				
		f Pressure unit	**Nil**	Product label and pressure gauge in SI units: MPa	●	●	●
			Z[*6]	Product label: psi, Pressure gauge: MPa/psi dual scale	○[*7]	○[*7]	○[*7]

Return Catalog

ARG Series
Air Source Treatment

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Mounting angle of pressure gauge

Symbol	G1	G2	G3	G4
Gauge Angle	0°	90°	180°	270°
Mounting angle view				



*1 Set the inlet pressure to at least 0.05 MPa higher than the set pressure.

*2 Options B and H are not assembled and supplied loose at the time of shipment.

*3 Assembly of a bracket and set nuts

*4 When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.85 MPa) type. 0.3 MPa pressure gauge for 0.2 MPa type.

Mounting angles other than the above (45°,135°,225°,and 315°) are available through the made to order.

Possible to change to the optional mounting angles. For details, refer to page 42, "Procedure for replacing or changing the mounting angle of a pressure gauge."

*5 Pressure can be set higher than the specification pressure in some cases, but usepressure within the specification range.

*6 For pipe thread type: NPTThis product is for overseas use only according to the new Measurement Act(The SI unit type is provided for use in Japan.)

*7 O: For pipe thread type: NPT only

Standard Specifications

Model	ARG20(K)-B	ARG30(K)-B	ARG40(K)-B
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2
Fluid	Air		
Ambient and fluid temperatures	-5 to 60°C (with no freezing)		
Proof pressure	1.5 MPa		
Max.operating pressure	1.0 MPa		
Set pressure range	0.05 to 0.85 MPa		
Construction	Relieving type		
Weight [kg]	0.21	0.40	0.57

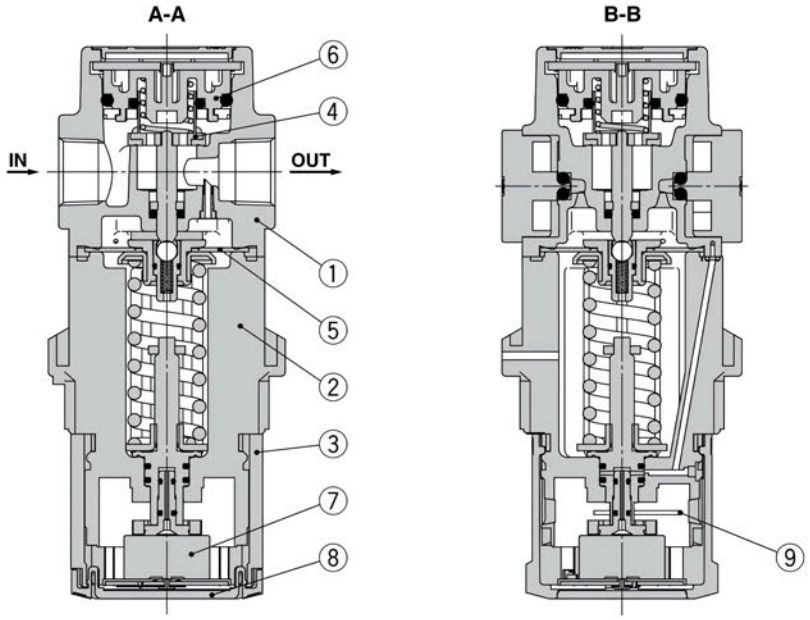
Option/Part No.

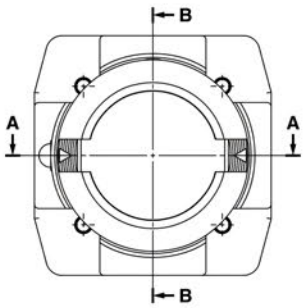
Optional specifications			Model		
			ARG20(K)-B	ARG30(K)-B	ARG40(K)-B
Bracket assembly			ARG23P-270AS	ARG33P-270AS	ARG43P-270AS
Set nut			ARG23P-260S	ARG33P-260S	ARG43P-260S
Pressure gauge	Standard	1.0 MPa	GB2-10AS	GB3-10AS	GB4-10AS
	Semi-standard	0.3 MPa	GB2-3AS	GB3-3AS	GB4-3AS
		1.0 MPa/150 psi	GB2-10AS-X101	GB3-10AS-X101	GB4-10AS-X101
		0.3 MPa/45 psi	GB2-3AS-X101	GB3-3AS-X101	GB4-3AS-X101

Return Catalog

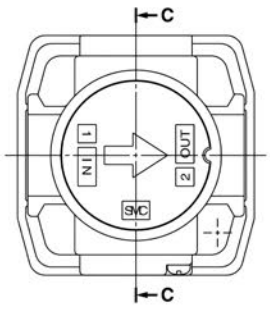
Construction

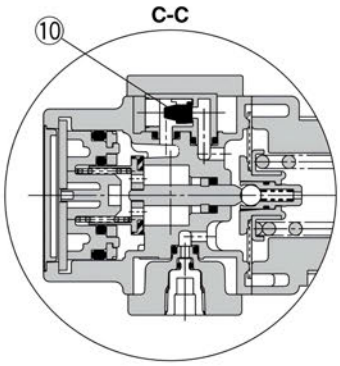
ARG20K-B to ARG40K-B





ARG20K-B to ARG40K-B
(Regulator with Built-in Pressure Gauge with Backflow Function)





Construction Parts

NO.	Description	Material	Color
1	Body	ADC	White
2	Bonnet	PBT	White
3	Knob	POM	Gray

Replacement Parts

NO.	Description	Material	Part no.		
			ARG20(K)-B	ARG30(K)-B	ARG40(K)-B
4	Valve	Brass,HNBR	AR20P-410S	AR30P-410S	AR40P-410S
5	Diaphragm assembly	Weatherable NBR	AR20P-150AS	AR30P-150AS	AR40P-150AS
6	Valve guide assembly	POM/NBR	AR20P-050AS	AR30P-050AS	AR40P-050AS
7	Pressure gauge	-	GB2-10AS	GB3-10AS	GB4-10AS
8	Pressure gauge cover	PC	ARG20P-400S	ARG30P-400S	ARG40P-400S
9	Clip	Stainless steel	ARG20P-420S	ARG30P-420S	ARG40P-420S
10	Check valve assembly	-	-	AR23KP-020AS	-

Return Catalog

Working Principle (Regulator with Built-in Pressure Gauge with Backflow Function)

ARG20K-B to ARG40K-B

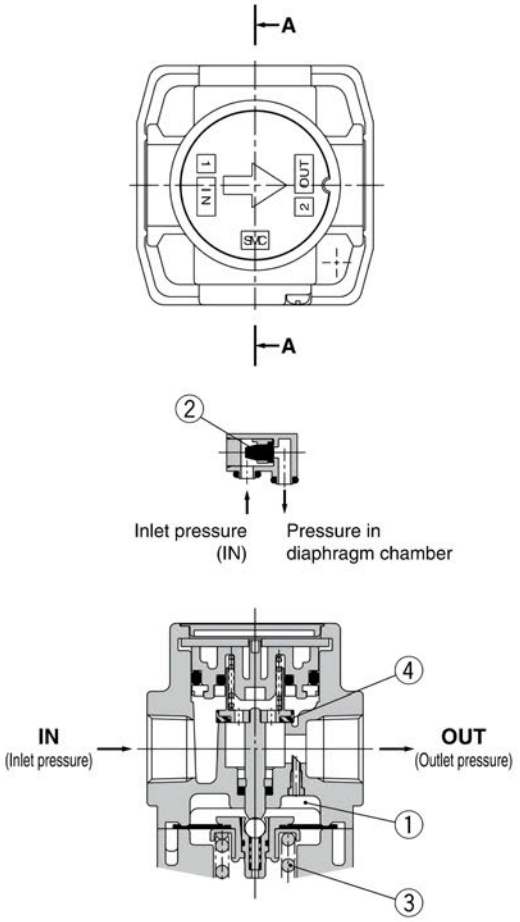


Figure 1 Normal

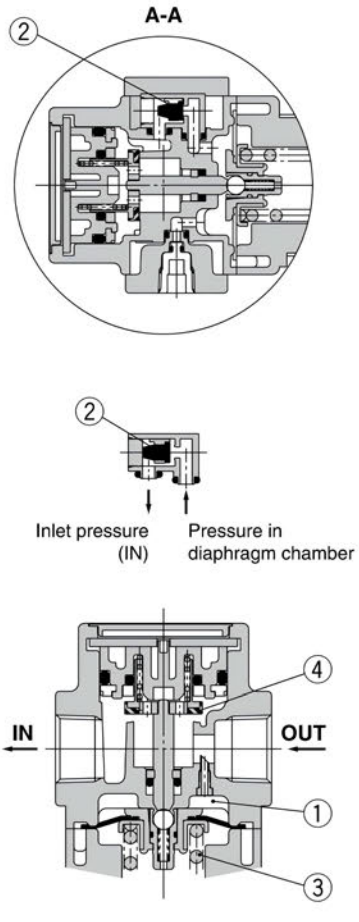
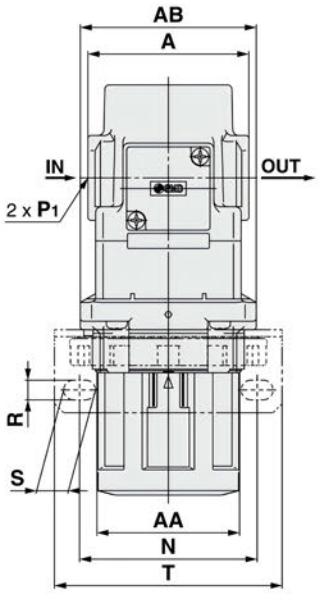


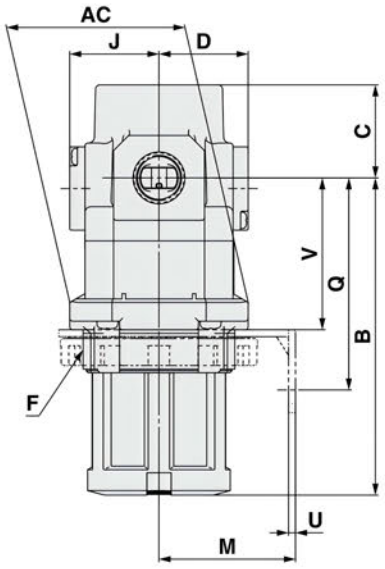
Figure 2 Backflow

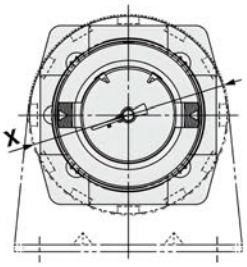
When the inlet pressure is hicher than the requlating pressure,the check valve ② closes and operates as a normal requlator (Fiqure 1).When the inlet pressure is shut oif and released, the check valve ② opens and the pressure in the diaphraam chamber ① is releasedinto the inlet side (Figure 2).
This lowers the pressure in the diaphragm chamber ① and the force generated by the spring ③ lifts the diaphragm. The valve ④ opensthrough the stem, and the outlet pressure is released to the inlet side (Figure 2).

Return Catalog

Dimension







Panel mounting dimensions

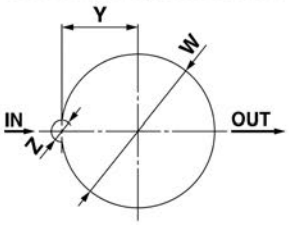


Plate thickness
ARG20(K)-B to ARG40(K)-B: Max. 3.5

Model	Standard Specifications									
	P1	A	B*1	C	D	F	J	AA	AB	AC
ARG20(K)-B	1/8, 1/4	40	87.1	26.5	28.5	M39×1.5	28.5	Ø37	45	46.5
ARG30(K)-B	1/4, 3/8	53	108.2	30.7	29.4	M50×1.5	29.4	Ø47	58	58.5
ARG40(K)-B	1/4, 3/8, 1/2	70	114.8	35.8	33.8	M55×1.5	33.8	Ø52	70	70

Model	Optional Specifications										
	Bracket Mount							Panel Mount			
	M	N	Q	R	S	T	U	W	X	Y	Z
ARG20(K)-B	35	48	60	5.4	10.4	65	2.3	39.5	52.5	19.5	6
ARG30(K)-B	45	58.5	70	6.5	10.5	75	2.3	50.5	65	25	7
ARG40(K)-B	50	65.5	75.2	8.5	12.5	85	2.3	55.5	70	27.5	7

*1 The dimension of B is the length when the regulator knob is unlocked.

Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

• Features

· One-Touch tube fittings are used in pneumatics piping.

· The tube fittings come in a wide varjety of models to meet all your needs.

· Even after installation.the direction of the tube can be changed freely.

· Nickel-Plated metal body ensures Anti--Corrosion and Anti-Contarmination.

· All R and NPT threads are Pre-Coated sealant.

· All parallel threads are with standard O-Ring seals.



• Specifications

Fluid	Air/Vacuum
Operating Pressure	0-1.0MPa(150Psi)
Negative Pressure	-100KPa(-29.5 in·hg)
Max Pressure	1.5MPa
Operating Temperature	0-60° (32-140F)
Applicable Tube	Polyurethane and Nylon

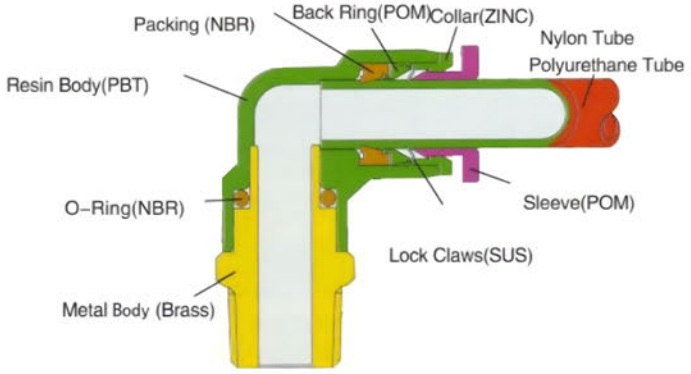
A (1) PC (2) 8 (3) - 01 (4)

(1) AIRFIT FITTINGS.

(2) MODEL.

(3) TUBE OUT DIA.

• Structure Chart



	Metric Size												
Code	4	5	6	7	8	9	10	11	12	13	14	15	16
Tube Outer Diameter mm	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø11	Ø12	Ø13	Ø14	Ø15	Ø16

	Inch Size						
Code	5/32	3/16	1/4	5/16	3/8	1/2	10
Tube Outer Diameter	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2	Ø10

(4) ThreadType and size.

	Inch Size								
Code	M5	M6	M8	M10	M12	M12A	M14	M16	M20
Thread	M5×0.8	M6×1	M8×1	M10×1	M12×1.25	M12×1.5	M14×1.5	M16×1.5	M20×1.5

55 Taper Pipe Size					
Code	01	02	03	04	06
Thread	R1/8	R1/4	R3/8	R1/2	R3/4

55 TG Thread Pipe Size					
Code	G01	G02	G03	G04	G06
Thread	G1/8	G1/4	G3/8	G1/2	G3/4

UNF Hreade	American Standard Taper Pipe Thread (NPT)				
Code	U10	N01	N02	N03	N04	N06
Thread	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

Note:The extemal dimension of fitting size is connected the outer diameter odd no.(Ø5\Ø7)\Ø9\Ø11\Ø13)will be suit Ø6\Ø8\Ø10\Ø12\Ø14

Return Catalog

Push-in Connectors

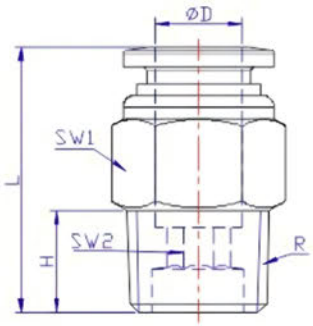
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APC thread straight through

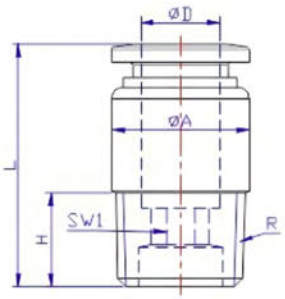




Model	D	R	H	L	SW1	SW2
APC 04-M5	4	M5	3.5	20.2	10	2
APC 04-M6	4	M6	4	20.5	10	2
APC 04-01	4	R1/8	7.5	19.7	10	3
APC 04-02	4	R1/4	9.5	18.2	14	3
APC 04-03	4	R3/8	10.5	19.2	17	3
APC 06-M5	6	M5	3.5	20.6	12	2
APC 06-M6	6	M6	4	21.1	12	2
APC 06-01	6	R1/8	7.5	20.6	12	4
APC 06-02	6	R1/4	9.5	22.1	14	4
APC 06-03	6	R3/8	10.5	20.4	17	4
APC 06-04	6	R1/2	13.5	24.4	21	4
APC 08-01	8	R1/8	7.5	25.7	14	5
APC 08-02	8	R1/4	9.5	24.7	14	5
APC 08-03	8	R3/8	10.5	21.7	17	6
APC 08-04	8	R1/2	13.5	25.7	21	6
APC 10-01	10	R1/8	7.5	29.4	17	5
APC 10-02	10	R1/4	9.5	30.9	17	6
APC 10-03	10	R3/8	10.5	28.4	17	8
APC 10-04	10	R1/2	13.5	26.9	21	8
APB 12-01	12	R1/8	7.5	31.2	21	5
APC 12-02	12	R1/4	9.5	33.2	21	6
APC 12-03	12	R3/8	10.5	30.2	21	8
APC 12-04	12	R1/2	13.5	32.2	21	8
APC 14-03	14	R3/8	10.5	35	22	8
APC 14-04	14	R1/2	13.5	33	22	10
APC 15-03	15	R3/8	10.5	38	24	8
APC 15-04	15	R1/2	13.5	35	24	10
APC 16-03	16	R3/8	10.5	38	24	8
APC 16-04	16	R1/2	13.5	39.5	24	10
APC 16-06	16	R3/4	15	41	27	-

APOC round threadstraight through





Model	D	R	H	A	L	SW1
APOC 04-M5	4	M5	3.5	10	20.2	2
APOC 04-M6	4	M6	4	10	20.5	2
APOC 04-01	4	R1/8	7.5	10	19.7	3
APOC 04-02	4	R1/4	9.5	13.5	18.2	3
APOC 06-M5	6	M5	3.5	12	20.6	2
APOC 06-M6	6	M6	4	12	21.1	2
APOC 06-01	6	R1/8	7.5	12	20.6	4
APOC 06-02	6	R1/4	9.5	13.5	19.1	4
APOC 06-03	6	R3/8	10.5	17	1.91	4
APOC 06-04	6	R1/2	13.5	21	22.1	4
APOC 08-01	8	R1/8	7.5	14	25.7	5
APOC 08-02	8	R1/4	9.5	14	24.7	5
APOC 08-03	8	R3/8	10.5	17	20.7	6
APOC 08-04	8	R1/2	13.5	21	23.2	6
APOC 10-01	10	R1/8	7.5	17	28.4	5
APOC 10-02	10	R1/4	9.5	17	28.4	6
APOC 10-03	10	R3/8	10.5	17	27.4	8
APOC 10-04	10	R1/2	13.5	21	24.4	8
APOC 12-01	12	R1/8	7.5	20	31.2	5
APOC 12-02	12	R1/4	9.5	20	33.2	6
APOC 12-03	12	R3/8	10.5	20	30.2	8
APOC 12-04	12	R1/2	13.5	21	32.2	8

Return Catalog

Push-in Connectors

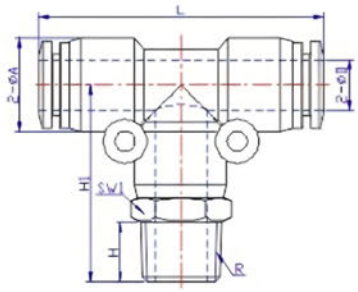
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APB thread positive tee

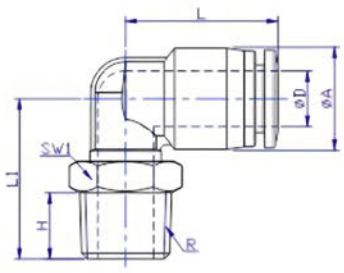




Model	D	R	H	A	L	H1	SW1
APB 04-M5	4	M5	3.5	11.3	37.6	22	10
APB 04-M6	4	M6	4	11.3	37.6	22.5	10
APB 04-01	4	R1/8	7.5	11.3	37.6	25	10
APB 04-02	4	R1/4	9.5	11.3	37.6	28	14
APB 04-03	4	R3/8	10.5	11.3	37.6	29.5	17
APB 06-M5	6	M5	3.5	13.3	38.6	23	12
APB 06-M6	6	M6	4	13.3	38.6	23.5	12
APB 06-01	6	R1/8	7.5	13.3	38.6	26	12
APB 06-02	6	R1/4	9.5	13.3	38.6	28.5	14
APB 06-03	6	R3/8	10.5	13.3	38.6	30	17
APB 06-04	6	R1/2	13.5	13.3	38.6	33.5	21
APB 08-01	8	R1/8	7.5	15	45.6	29.5	14
APB 08-02	8	R1/4	9.5	15	45.6	31.5	14
APB 08-03	8	R3/8	10.5	15	45.6	33	17
APB 08-04	8	R1/2	13.5	15	45.6	36.5	21
APB 10-01	10	R1/8	7.5	18.7	57.4	35	17
APB 10-02	10	R1/4	9.5	18.7	57.4	37	17
APB 10-03	10	R3/8	10.5	18.7	57.4	38	17
APB 10-04	10	R1/2	13.5	18.7	57.4	41.5	21
APB 12-01	12	R1/8	7.5	21.3	59.6	36	21
APB 12-02	12	R1/4	9.5	21.3	59.6	38.5	21
APB 12-03	12	R3/8	10.5	21.3	59.6	39.5	21
APB 12-04	12	R1/2	13.5	21.3	59.6	42.5	21
APB 14-03	14	R3/8	10.5	23.5	60	40.5	22
APB 14-04	14	R1/2	13.5	23.5	60	43.5	22
APB 15-03	15	R3/8	10.5	26.5	66	44	24
APB 15-04	15	R1/2	13.5	26.5	66	47	24
APB 16-03	16	R3/8	10.5	26.5	66	44	24
APB 16-04	16	R1/2	13.5	26.5	66	47	24
APB 16-06	16	R3/4	15	26.5	66	49	27

APLNN VILOP new model





Model	D	R	H	A	L	L1	SW1
APLNN 04-M5	4	M5	3.5	11.3	18.8	18	10
APLNN 04-M6	4	M6	4	11.3	18.8	18.5	10
APLNN 04-01	4	R1/8	7.5	11.3	18.8	18	10
APLNN 04-02	4	R1/4	9.5	11.3	18.8	20.5	14
APLNN 04-03	4	R3/8	10.5	11.3	18.8	21.5	17
APLNN 06-M5	6	M5	3.5	13.3	19.8	20	10
APLNN 06-M6	6	M6	4	13.3	19.8	20.5	10
APLNN 06-01	6	R1/8	7.5	13.3	19.8	20	10
APLNN 06-02	6	R1/4	9.5	13.3	19.8	22.5	14
APLNN 06-03	6	R3/8	10.5	13.3	19.8	23.5	17
APLNN 06-04	6	R1/2	13.5	13.3	19.8	27	21
APLNN 08-01	8	R1/8	7.5	15	22.8	21	12
APLNN 08-02	8	R1/4	9.5	15	22.8	23	14
APLNN 08-03	8	R3/8	10.5	15	22.8	24	17
APLNN 08-04	8	R1/2	13.5	15	22.8	27.5	21
APLNN 10-01	10	R1/8	7.5	18.7	27	28	17
APLNN 10-02	10	R1/4	9.5	18.7	27	30	17
APLNN 10-03	10	R3/8	10.5	18.7	27	26	17
APLNN 10-04	10	R1/2	13.5	18.7	27	29	21
APLNN 12-01	12	R1/8	7.5	21.3	30.3	30	17
APLNN 12-02	12	R1/4	9.5	21.3	30.3	32	17
APLNN 12-03	12	R3/8	10.5	21.3	30.3	28	17
APLNN 12-04	12	R1/2	13.5	21.3	30.3	31	21

Return Catalog

Push-in Connectors

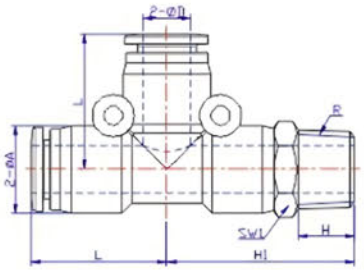
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APD threaded side tee

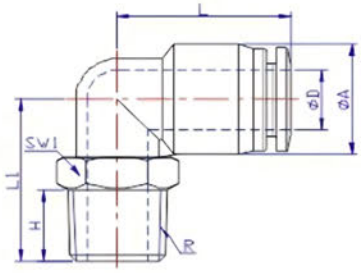




Model	D	R	H	A	L	H1	SW1
APD 04-M5	4	M5	3.5	11.3	18.8	22	10
APD 04-M6	4	M6	4	11.3	18.8	22.5	10
APD 04-01	4	R1/8	7.5	11.3	18.8	25	10
APD 04-02	4	R1/4	9.5	11.3	18.8	28	14
APD 04-03	4	R3/8	10.5	11.3	18.8	29.5	17
APD 06-M5	6	M5	3.5	13.3	19.3	23	12
APD 06-M6	6	M6	4	13.3	19.3	23.5	12
APD 06-01	6	R1/8	7.5	13.3	19.3	26	12
APD 06-02	6	R1/4	9.5	13.3	19.3	28.5	14
APD 06-03	6	R3/8	10.5	13.3	19.3	30	17
APD 06-04	6	R1/2	13.5	13.3	19.3	33.5	21
APD 08-01	8	R1/8	7.5	15	22.8	29.5	14
APD 08-02	8	R1/4	9.5	15	22.8	31.5	14
APD 08-03	8	R3/8	10.5	15	22.8	33	17
APD 08-04	8	R1/2	13.5	15	22.8	36.5	21
APD 10-01	10	R1/8	7.5	18.7	28.7	35	17
APD 10-02	10	R1/4	9.5	18.7	28.7	37	17
APD 10-03	10	R3/8	10.5	18.7	28.7	38	17
APD 10-04	10	R1/2	13.5	18.7	28.7	41.5	21
APD 12-01	12	R1/8	7.5	21.3	29.8	36	21
APD 12-02	12	R1/4	9.5	21.3	29.8	38.5	21
APD 12-03	12	R3/8	10.5	21.3	29.8	39.5	21
APD 12-04	12	R1/2	13.5	21.3	29.8	42.5	21
APD 14-03	14	R3/8	10.5	23.5	30.5	40.5	22
APD 14-04	14	R1/2	13.5	23.5	30.5	43.5	22
APD 15-03	15	R3/8	10.5	26.5	33	44	24
APD 15-04	15	R1/2	13.5	26.5	33	47	24
APD 16-03	16	R3/8	10.5	26.5	33	44	24
APD 16-04	16	R1/2	13.5	26.5	33	47	24
APD 16-06	16	R3/4	15	26.5	33	49	27

APLN L-type threaded elbow





Model	D	R	H	A	L	L1	SW1
APLN 04-M5	4	M5	3.5	11.3	18.8	20	10
APLN 04-M6	4	M6	4	11.3	18.8	20.5	10
APLN 04-01	4	R1/8	7.5	11.3	18.8	18.5	10
APLN 04-02	4	R1/4	9.5	11.3	18.8	20	14
APLN 04-03	4	R3/8	10.5	11.3	18.8	21	17
APLN 06-M5	6	M5	3.5	13.3	19.8	21	10
APLN 06-M6	6	M6	4	13.3	19.8	21.5	10
APLN 06-01	6	R1/8	7.5	13.3	19.8	19.5	10
APLN 06-02	6	R1/4	9.5	13.3	19.8	21	14
APLN 06-03	6	R3/8	10.5	13.3	19.8	22	17
APLN 06-04	6	R1/2	13.5	13.3	19.8	25.5	21
APLN 08-01	8	R1/8	7.5	15	22.8	20.2	12
APLN 08-02	8	R1/4	9.5	15	22.8	21.7	14
APLN 08-03	8	R3/8	10.5	15	22.8	22.7	17
APLN 08-04	8	R1/2	13.5	15	22.8	26.2	21
APLN 10-01	10	R1/8	7.5	18.7	27	26.7	15
APLN 10-02	10	R1/4	9.5	18.7	27	28.2	15
APLN 10-03	10	R3/8	10.5	18.7	27	24.7	17
APLN 10-04	10	R1/2	13.5	18.7	27	28.2	21
APLN 12-01	12	R1/8	7.5	21.3	30.3	28	15
APLN 12-02	12	R1/4	9.5	21.3	30.3	29.5	15
APLN 12-03	12	R3/8	10.5	21.3	30.3	26	17
APLN 12-04	12	R1/2	13.5	21.3	30.3	29.5	21

Return Catalog

Push-in Connectors

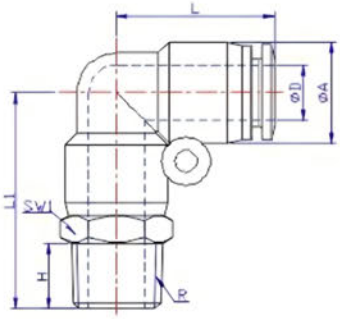
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APLL type threaded elbow

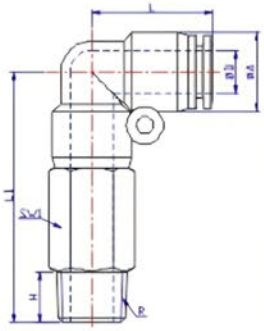




Model	D	R	H	A	L	L1	SW1
APL 04-M5	4	M5	3.5	11.3	18.8	22	10
APL 04-M6	4	M6	4	11.3	18.8	22.5	10
APL 04-01	4	R1/8	7.5	11.3	18.8	25	10
APL 04-02	4	R1/4	9.5	11.3	18.8	28	14
APL 04-03	4	R3/8	10.5	11.3	18.8	29.5	17
APL 06-M5	6	M5	3.5	13.3	19.3	23	12
APL 06-M6	6	M6	4	13.3	19.3	23.5	12
APL 06-01	6	R1/8	7.5	13.3	19.3	26	12
APL 06-02	6	R1/4	9.5	13.3	19.3	28.5	14
APL 06-03	6	R3/8	10.5	13.3	19.3	30	17
APL 06-04	6	R1/2	13.5	13.3	19.3	33.5	21
APL 08-01	8	R1/8	7.5	15	22.8	29.5	14
APL 08-02	8	R1/4	9.5	15	22.8	31.5	14
APL 08-03	8	R3/8	10.5	15	22.8	33	17
APL 08-04	8	R1/2	13.5	15	22.8	36.5	21
APL 10-01	10	R1/8	7.5	18.7	28	34.3	17
APL 10-02	10	R1/4	9.5	18.7	28	36.3	17
APL 10-03	10	R3/8	10.5	18.7	28	37.3	17
APL 10-04	10	R1/2	13.5	18.7	28	40.8	21
APL 12-01	12	R1/8	7.5	21.3	29.8	36	21
APL 12-02	12	R1/4	9.5	21.3	29.8	38.5	21
APL 12-03	12	R3/8	10.5	21.3	29.8	39.5	21
APL 12-04	12	R1/2	13.5	21.3	29.8	42.5	21
APL 14-03	14	R3/8	10.5	23.5	30.5	40.5	22
APL 14-04	14	R1/2	13.5	23.5	30.5	43.5	22
APL 15-03	15	R3/8	10.5	26.5	33	44	24
APL 15-04	15	R1/2	13.5	26.5	33	47	24
APL 16-03	16	R3/8	10.5	26.5	33	44	24
APL 16-04	16	R1/2	13.5	26.5	33	47	24
APL 16-06	16	R3/4	15	26.5	33	49	27

APLL extended L-shapedthreaded elbow





Model	D	R	H	A	L	L1	SW1
APLL 04-M5	4	M5	3.5	11.3	18.8	34	10
APLL 04-M6	4	M6	4	11.3	18.8	34.5	10
APLL 04-01	4	R1/8	7.5	11.3	18.8	37	10
APLL 04-02	4	R1/4	9.5	11.3	18.8	40	14
APLL 04-03	4	R3/8	10.5	11.3	18.8	41.5	17
APLL 06-M5	6	M5	3.5	13.3	19.3	37	12
APLL 06-M6	6	M6	4	13.3	19.3	37.5	12
APLL 06-01	6	R1/8	7.5	13.3	19.3	40	12
APLL 06-02	6	R1/4	9.5	13.3	19.3	42.5	14
APLL 06-03	6	R3/8	10.5	13.3	19.3	44	17
APLL 06-04	6	R1/2	13.5	13.3	19.3	47.5	21
APLL 08-01	8	R1/8	7.5	15	22.8	45	14
APLL 08-02	8	R1/4	9.5	15	22.8	47	14
APLL 08-03	8	R3/8	10.5	15	22.8	48	17
APLL 08-04	8	R1/2	13.5	15	22.8	52	21
APLL 10-01	10	R1/8	7.5	18.7	28	54.3	17
APLL 10-02	10	R1/4	9.5	18.7	28	56.3	17
APLL 10-03	10	R3/8	10.5	18.7	28	57.3	17
APLL 10-04	10	R1/2	13.5	18.7	28	60.8	21
APLL 12-01	12	R1/8	7.5	21.3	29.8	59	21
APLL 12-02	12	R1/4	9.5	21.3	29.8	61.5	21
APLL 12-03	12	R3/8	10.5	21.3	29.8	62.5	21
APLL 12-04	12	R1/2	13.5	21.3	29.8	65.5	21

Return Catalog

Push-in Connectors

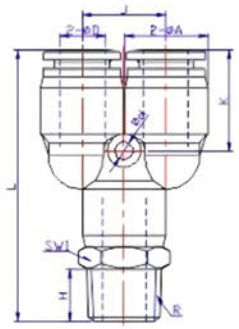
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APX Y-shaped threaded tee

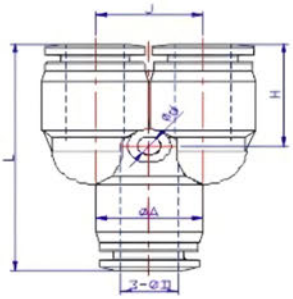




Model	D	R	H	A	L	J	d	K	SW1
APX 04-M5	4	M5	3.5	11.3	39.3	11	3.2	14.3	10
APX 04-M6	4	M6	4	11.3	39.8	11	3.2	14.3	10
APX 04-01	4	R1/8	7.5	11.6	42.3	11	3.2	14.3	10
APX 04-02	4	R1/4	9.5	11.3	45.3	11	3.2	14.3	14
APX 04-03	4	R3/8	10.5	11.3	46.8	11	3.2	14.3	17
APX 04-M5	6	M5	3.5	13.3	40.8	13	3.2	14.8	12
APX 04-M6	6	M6	4	13.3	41.3	13	3.2	14.8	12
APX 06-01	6	R1/8	7.5	13.3	43.8	13	3.2	14.8	12
APX 06-02	6	R1/4	9.5	13.3	46.3	13	3.2	14.8	14
APX 06-03	6	R3/8	10.5	13.3	47.8	13	3.2	14.8	17
APX 06-04	6	R1/2	13.5	13.3	51.3	13	3.2	14.8	21
APX 08-01	8	R1/8	7.5	15	47.1	15	3.2	18.2	14
APX 08-02	8	R1/4	9.5	15	49.1	15	3.2	3.2	14
APX 08-03	8	R3/8	10.5	15	50.6	15	3.2	18.2	17
APX 08-04	8	R1/2	13.5	15	54.1	15	3.2	18.2	21
APX 10-01	10	R1/8	7.5	18.7	56.7	18	4.2	21.2	17
APX 10-02	10	R1/4	9.5	18.7	58.7	18	4.2	21.2	17
APX 10-03	10	R3/8	10.5	18.7	59.7	18	4.2	21.2	17
APX 10-04	10	R1/2	13.5	18.7	63.2	18	4.2	21.2	21
APX 12-01	12	R1/8	7.5	21.3	59.8	21	4.2	21.8	21
APX 12-02	12	R1/4	9.5	21.3	62.3	21	4.2	21.8	21
APX 12-03	12	R3/8	10.5	21.3	63.3	21	4.2	21.8	21
APX 12-04	12	R1/2	13.5	21.3	66.3	21	4.2	21.8	21

APY plastic Y tee





Model	D	A	L	d	J	H
APY 04	4	11.3	36.1	3.2	11	14.3
APY 06	6	13.3	37.1	3.2	13	14.8
APY 08	8	15	40.4	3.2	15	18.2
APY 10	10	18.7	50.4	4.2	18	21.2
APY 12	12	21.3	53.6	4.2	21	21.8
APY 14	14	23.5	57	4.2	23	21.5
APY 15	15	26.5	58.5	4.2	25	22.5
APY 16	16	26.5	58.5	4.2	25	22.5

Return Catalog

Push-in Connectors

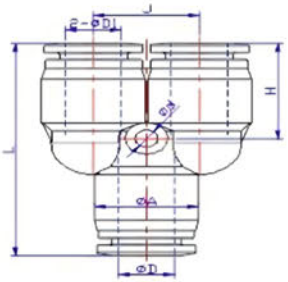
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APW plastic Y tee

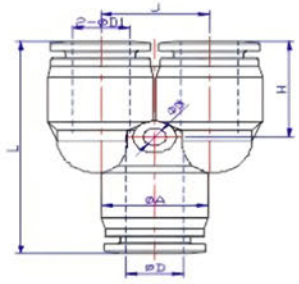




Model	D	D1	A	L	d	J	H
APW 06-04	6	4	13.3	37.1	3.2	13	14.8
APW 08-04	8	4	15	40	3.2	13	17.7
APW 08-06	8	6	15	40	3.2	15	17.7
APW 10-06	10	6	18.7	49.2	4.2	15	19.8
APW 10-08	10	8	18.7	49.5	4.2	18	20.3
APW 12-06	12	6	21.3	52	4.2	18	20.3
APW 12-08	12	8	21.3	52.6	4.2	21	20.8
APW 12-10	12	10	21.3	53.6	4.2	21	21.7
APW 14-12	14	12	23.5	56	4.2	21	22
APW 16-12	16	12	26.5	57	4.2	23	22.5
APKD 16-14	16	14	26.5	58.5	4.2	25	22.5

APWS plastic Y tee

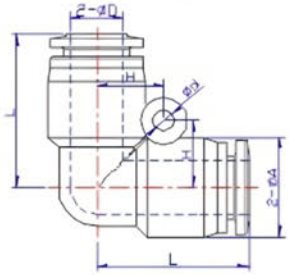




Model	D	D1	A	L	d	J	H
APWS 04-05	6	4	13.3	37.1	3.2	13	14.8
APWS 04-05	8	4	15	40	3.2	15	17.7
APWS 06-08	8	6	15	40	3.2	15	17.7
APWS 06-10	10	6	18.7	49.2	4.2	18	19.8
APWS 08-10	10	8	18.7	49.5	4.2	18	20.3
APWS 06-12	12	6	21.3	52	4.2	21	20.3
APWS 08-12	12	8	21.3	52.6	4.2	21	20.8
APWS 10-12	12	10	21.3	53.6	4.2	21	21.7
APWS 12-14	14	12	23.5	56	4.2	23	22
APWS 12-16	16	12	26.5	57	4.2	25	22.5
APWS 14-16	16	14	26.5	58.5	4.2	25	22.5

APV plastic elbow





Model	D	A	L	d	H
APV 04	4	11.3	18.8	3.2	7
APV 06	5	13.3	19.3	3.2	8
APV 08	8	15	22.8	3.2	10
APV 10	10	18.7	28	4.2	12
APV 12	12	21.3	29.8	4.2	13.5
APV 14	14	23.5	31	5.2	15
APV 15	15	26.5	33.5	5.2	15
APV 16	16	26.5	33.5	5.2	15

Return Catalog

Push-in Connectors

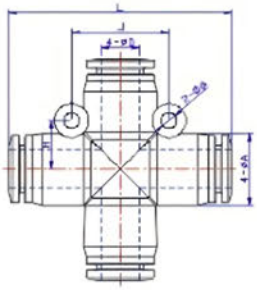
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APZ plastic four-way

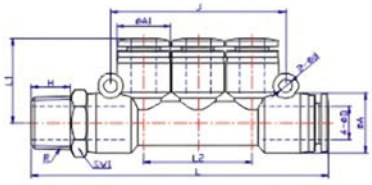




Model	D	A	L	d	J	H
APZ 04	4	11.3	37.6	3.2	14	7
APZ 06	6	13.3	38.6	3.2	16	8
APZ 08	8	15	45.6	3.2	18	9
APZ 10	10	18.7	57.4	4.2	24	12
APZ 12	12	21.3	59.6	4.2	27	13.5

APX Y-shaped threaded tee

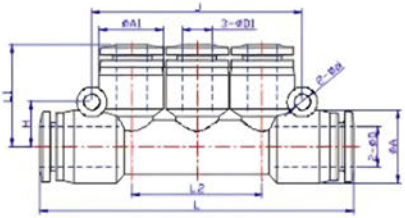




Model	D	R	H	A	L	L1	L2	J	d	SW1
APKD 04-M5	4	M5	3.5	13.3	61.3	19	22	36	3.2	12
APKD 04-01	4	R1/8	7.5	13.3	64.3	19	22	36	3.2	12
APKD 04-02	4	R1/4	9.5	13.3	66.8	19	22	36	3.2	14
APKD 04-03	4	R3/8	10.5	13.3	68.3	19	22	36	3.2	17
APKD 06-M5	4	M5	3.5	15	65.8	20.5	26	42	3.2	14
APKD 06-01	6	R1/8	7.5	15	68.8	20.5	26	42	3.2	14
APKD 06-02	6	R1/4	9.5	15	70.8	20.5	26	42	3.2	14
APKD 06-03	6	R3/8	10.5	15	72.3	20.5	26	42	3.2	17
APKD 06-04	6	R1/2	13.5	15	75.8	20.5	26	42	3.2	21
APKD 08-01	6	R1/8	7.5	18.7	88.8	24	30	48	4.2	17
APKD 08-02	6	R1/4	9.5	18.7	90.8	24	30	48	4.2	17
APKD 08-03	8	R3/8	10.5	18.7	91.8	24	30	48	4.2	17
APKD 08-04	8	R1/2	13.5	18.7	95.3	24	30	48	4.2	21
APKD 10-01	8	R1/8	7.5	21.3	99.7	28.5	36	60.5	4.2	21
APKD 10-02	8	R1/4	9.5	21.3	102.2	28.5	36	60.5	4.2	21
APKD 10-03	10	R3/8	10.5	21.3	103.2	28.5	36	60.5	4.2	21
APKD 10-04	10	R1/2	13.5	21.3	106.2	28.5	36	60.5	4.2	21

APK Plastic Five Links





Model	D	D1	A	A1	L	L1	L2	J	H	d
APK 04	4	4	13.3	11.3	57.6	19	22	36	9	3.2
APK 06	6	6	15	13.3	61.6	20.5	26	42	10	3.2
APK 08	8	8	18.7	15	81.6	24	30	48	13	4.2
APK 10	10	10	21.3	18.7	93.4	28.5	36	60.5	14	4.2
APK 06-04	6	4	13.3	11.3	57.6	19	22	36	9	3.2
APK 08-04	8	4	15	13.3	61.6	20.5	26	42	10	3.2
APK 08-06	8	6	15	13.3	61.6	20.5	26	42	10	3.2
APK 10-06	10	6	18.7	15	83.4	23.5	30	48	13	4.2
APK 10-08	10	8	18.7	15	83.4	24	30	48	13	4.2

Return Catalog

Push-in Connectors

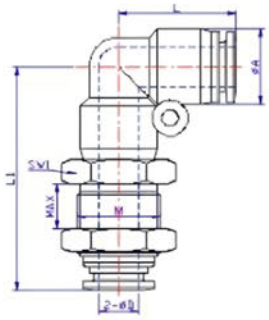
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APK Plastic Five Links

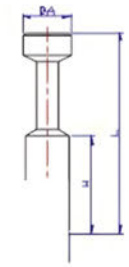




Model	D	A	L	L1	M	MAX	SW1
APLM 04	4	11.3	18.8	31	M12×1	6	14
APLM 06	6	13.3	19.3	34	M14×1	7	17
APLM 08	8	15	22.8	41	M16×1	7.5	19
APLM 10	10	18.7	28	47	M20×1	9	24
APLM 12	12	21.3	29.8	49	M22×1	10	26

APP pipe plug

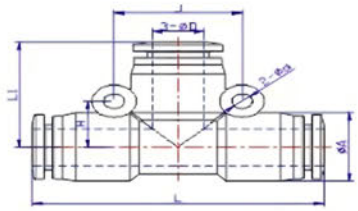




Model	D	A	H	L
APP 04	4	5	15	28
APP 06	6	7	17	33
APP 08	8	9	18	37
APP 10	10	11	20.5	42
APP 12	12	13	23	44

APE Plastic Tee





Model	D	A	L	L1	d	J	H
APE 04	4	11.3	37.6	18.8	3.2	14	7
APE 06	6	13.3	38.6	19.3	3.2	16	8
APE 08	8	15	45.6	22.8	3.2	18	9
APE 10	10	18.7	57.4	28.7	4.2	24	12
APE 12	12	21.3	59.6	29.8	4.2	27	13.5
APE 14	14	23.5	61	30.5	5.2	29.5	14.75
APE 15	15	26.5	65	32.5	5.2	30	15
APE 16	16	26.5	65	32.5	5.2	30	15

Return Catalog

Push-in Connectors

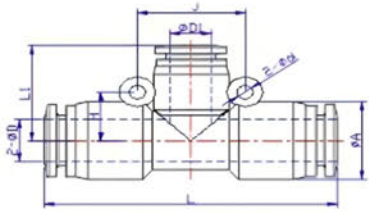
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APEG plastic tee

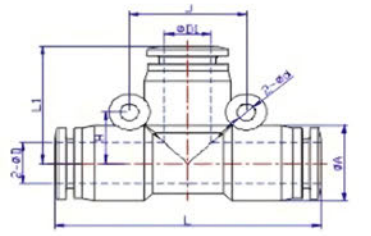




Model	D	D1	A	L	L1	d	J	H
APEG 06-04	6	4	13.3	38.6	19.3	3.2	16	8
APEG 08-04	8	4	15	45.6	22.3	3.2	18	9
APEG 08-06	8	6	15	45.6	22.3	3.2	18	9
APEG 10-06	10	6	18.7	57.4	27.3	4.2	24	12
APEG 10-08	10	8	18.7	57.4	27.8	4.2	24	12
APEG 12-06	12	6	21.3	59.6	28.3	4.2	27	13.5
APEG 12-08	12	8	21.3	59.6	28.8	4.2	27	13.5
APEG 12-10	12	10	21.3	59.6	29.7	4.2	27	13.5
APEG 14-12	14	12	23.5	61	30	5.2	29.5	14.75
APEG 16-12	16	12	26.5	65	32.5	5.2	30	15
APEG 16-14	16	14	26.5	65	32.5	5.2	30	15

APEGS plastic tee





Model	D	D1	A	L	L1	d	J	H
APEGS 04-06	4	6	13.3	38.6	19.3	3.2	16	8
APEGS 04-08	4	8	15	45.6	22.3	3.2	18	9
APEGS 06-08	6	8	15	45.6	22.3	3.2	18	9
APEGS 06-10	6	10	18.7	57.4	27.3	4.2	24	12
APEGS 06-12	6	12	21.3	59.6	28.3	4.2	27	13.5
APEGS 08-10	8	10	18.7	57.4	27.8	4.2	24	12
APEGS 08-12	8	12	21.3	59.6	28.8	4.2	27	13.5
APEGS 10-12	10	12	21.3	59.6	29.7	4.2	27	13.5
APEGS 12-14	12	14	23.5	61	30	5.2	29.5	14.75
APEGS 12-16	12	16	26.5	65	32.5	5.2	30	15
APEGS 14-16	14	16	26.5	65	32.5	5.2	30	15

Return Catalog

Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

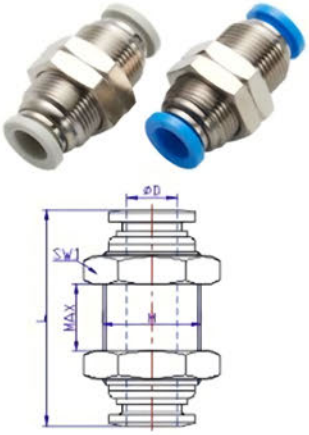
Cylinder series/Gas source series/Valve series/Other series

APPF pipe cap



Model	D	A	L
APPE 04	4	11.3	17.5
APPE 06	6	13.3	17.7
APPE 08	8	15	21.5
APPE 10	10	18.7	25
APPE 12	12	21.3	26

APM partition straight through



Model	D	L	M	MAX	SW1
APM 04	4	30.1	M12×1	13	14
APM 06	6	31.2	M14×1	12.5	17
APM 08	8	34.9	M16×1	12.5	19
APM 10	10	40	M20×1	13.5	24
APM 12	12	45	M22×1	19	26
APM 16	16	51	M26×1	23	29

APU plastic straight through



Model	D	A	L
APU 04	4	11.3	33.6
APU 06	6	13	35.1
APU 08	8	15	39.1
APU 10	10	18.7	48.6
APU 12	12	21.3	49.6
APU 14	14	23.5	51
APU 15	15	26.5	50.5
APU 16	16	26.5	50.5

Return Catalog

Push-in Connectors

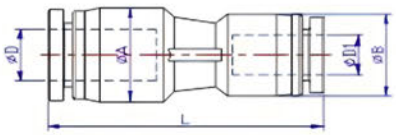
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APG plastic straight through

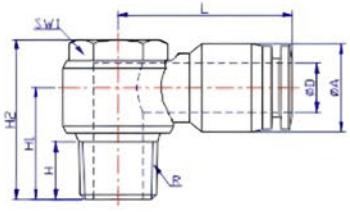




Model	D	D1	A	B	L
APG 06-04	6	4	13	11.3	34
APG 08-04	8	4	14.5	13	37
APG 08-06	8	6	14.5	13	37
APG 10-06	10	6	18.7	14.5	43
APG 10-08	10	8	18.7	14.5	43
APG 12-06	12	6	21.3	18.7	47.5
APG 12-08	12	8	21.3	18.7	48
APG 12-10	12	10	21.3	18.7	48
APG 14-12	14	12	23.5	23.5	50.5
APG 16-12	16	12	26.5	26.5	50.5
APG 16-14	16	14	26.5	26.5	51

APH external hexagonal joint





Model	D	R	H	H1	H2	A	L	SW1
APH 04-M5	4	M5	3.5	10.7	17.3	11.3	20.6	8
APH 04-01	4	R1/8	7.5	15	23.5	11.3	22.6	12
APH 04-01	4	R1/4	9.5	16.8	26.5	11.3	25.2	14
APH 06-M5	6	M5	3.5	11.5	17.3	13.3	22	8
APH 06-01	6	R1/8	7.5	15	23.5	13.3	23.5	12
APH 06-02	6	R1/4	9.5	16.2	26.5	13.3	25	14
APH 06-03	6	R3/8	10.5	19	32	13.3	26.8	19
APH 06-04	6	R1/2	13.5	24.2	38.5	13.3	31.8	24
APH 08-01	8	R1/8	7.5	15.7	23.5	15	25.6	12
APH 08-02	8	R1/4	9.5	17.5	26.5	15	28.6	14
APH 08-03	8	R3/8	10.5	19	32	15	29.3	19
APH 08-04	8	R1/2	13.5	24	38.5	15	32.3	24
APH 10-01	10	R1/8	7.5	18	23.5	18.7	30.5	12
APH 10-02	10	R1/4	9.5	19.5	26.5	18.7	32.8	14
APH 10-03	10	R3/8	10.5	21	32	18.7	33.2	19
APH 10-04	10	R1/2	13.5	24.2	38.5	18.7	36.2	24
APH 12-01	12	R1/8	7.5	19	23.5	21.3	31.6	12
APH 12-02	12	R1/4	9.5	20.8	26.5	21.3	33.6	14
APH 12-03	12	R3/8	10.5	22.2	32	21.3	35.8	19
APH 12-04	12	R1/2	13.5	25.5	38.5	21.3	36.8	24

Return Catalog

Push-in Connectors

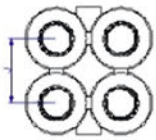
Pneumatic Fittings

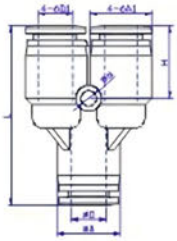
VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APXG plastic Y fve way connector



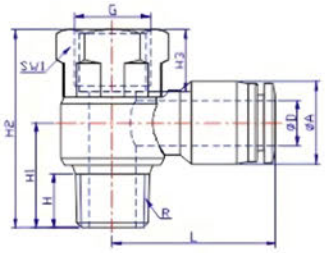




Model	D	D1	A	A1	L	J	H	d
APXG 06-04	6	4	13.3	11.3	36.5	11	15	3.2
APXG 06	8	8	14.8	14.8	51	15	16.5	3.2
APXG 08-04	8	4	14.8	11.3	38.5	11	15	3.2
APXG 08-06	8	6	14.8	13.3	40	13	15.5	3.2

APHF series connector





Model	D	R	G	H	A	H1	H2	H3	SW1
APHF 04-M5	4	M5	M5	3.5	11.3	12	17.5	5.5	8
APHF 04-01	4	R1/8	G1/8	7..5	11.3	15	30	8.5	14
APHF 04-02	4	R1/4	G1/4	9.5	11.3	16.8	35	11	17
APHF 06-M5	6	M5	M5	3.5	13.3	12	17.5	5.5	8
APHF 06-01	6	R1/8	G1/8	7.5	13.3	15	30	8.5	14
APHF 06-02	6	R1/4	G1/4	9.5	13.3	16.2	35	11	17
APHF 06-03	6	R3/8	G3/8	10.5	13.3	19	40	12	20
APHF 06-04	6	R1/2	G1/2	13.5	13.3	24.2	47.5	14	24
APHF 08-01	8	R1/8	G1/8	7.5	15	15.7	30	8.5	14
APHF 08-02	8	R1/4	G1/4	9.5	15	17.5	35	11	17
APHF 08-03	8	R3/8	G3/8	10.5	15	19	40	12	20
APHF 08-04	8	R1/2	G1/2	13.5	15	24	47.5	14	24
APHF 10-01	10	R1/8	G1/8	7.5	18.7	18	30	8.5	14
APHF 10-02	10	R1/4	G1/4	9.5	18.7	19.5	35	11	17
APHF 10-03	10	R3/8	G3/8	10.5	18.7	21	40	12	20
APHF 10-04	10	R1/2	G1/2	13.5	18.7	24.2	17.5	14	24
APHF 12-02	12	R1/4	G1/4	9.5	21.3	20.8	35	11	17
APHF 12-03	12	R3/8	G3/8	10.5	21.3	22.2	40	12	20
APHF 12-04	12	R1/2	G1/2	13.5	21.3	25.5	47.5	14	24

Return Catalog

Push-in Connectors

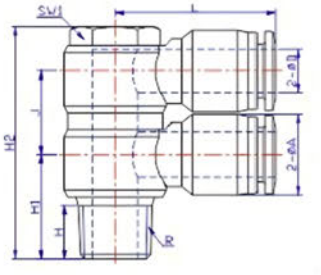
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APH (2) series right angle (2)

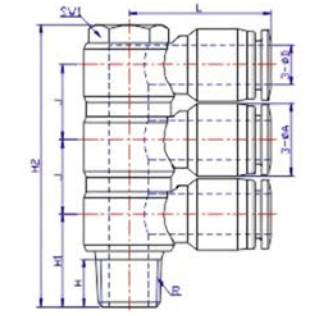




Model	D	R	H	H1	H2	A	L	J	d	SW1
APH 04-01(2)	4	R1/8	7.5	15	38	11.3	22.6	15	3.2	12
APH 04-02(2)	4	R1/4	9.5	16.8	41.5	11.3	25.2	15	3.2	14
APH 06-01(2)	6	R1/8	7.5	15	38	13.3	23.5	15	3.2	12
APH 06-02(2)	6	R1/4	9.5	16.2	41.5	13.3	25	15	3.2	14
APH 06-03(2)	6	R3/8	10.5	19	49.5	13.3	26.8	15.7	3.2	19
APH 06-04(2)	6	R1/2	13.5	24.2	60	13.3	31.8	21.5	3.2	24
APH 08-01(2)	8	R1/8	7.5	15.7	38	15	25.6	15	3.2	12
APH 08-02(2)	8	R1/4	9.5	17.5	41.5	15	28.6	15	3.2	14
APH 08-03(2)	8	R3/8	10.5	19	49.5	15	29.3	15.7	3.2	19
APH 08-04(2)	8	R1/2	13.5	24	60	15	32.3	21.5	4.2	24
APH 10-01(2)	10	R1/8	7.5	18	44	18.7	30.5	19	4.2	12
APH 10-02(2)	10	R1/4	9.5	19.5	44.8	18.7	32.8	21.5	4.2	14
APH 10-03(2)	10	R3/8	10.5	21	53	18.7	33.2	21.5	4.2	19
APH 10-04(2)	10	R1/2	13.5	24.2	60	18.7	36.2	21.5	4.2	24
APH 12-02(2)	12	R1/4	9.5	20.8	44.8	21.3	33.6	21.5	4.2	14
APH 12-03(2)	12	R3/8	10.5	22.2	53	21.3	35.8	21.5	4.2	19
APH 12-04(2)	12	R1/2	13.5	25.5	60	21.3	36.8	21.5	4.2	24

APH (3) series right angle (3)





Model	D	R	H	H1	H2	A	L	J	SW1
APH 04-01(3)	4	R1/8	7.5	15	53	11.3	22.6	15	12
APH 04-02(3)	4	R1/4	9.5	16.8	56.5	11.3	25.2	15	14
APH 06-01(3)	6	R1/8	7.5	15	53	13.3	23.5	15	12
APH 06-02(3)	6	R1/4	9.5	16.2	56.5	13.3	25	15	14
APH 06-03(3)	6	R3/8	10.5	19	65.3	13.3	26.8	15.7	19
APH 06-04(3)	6	R1/2	13.5	24.2	81.5	13.3	31.8	21.5	24
APH 08-01(3)	8	R1/8	7.5	15.7	53	15	25.6	15	12
APH 08-02(3)	8	R1/4	9.5	17.5	56.5	15	28.6	15	14
APH 08-03(3)	8	R3/8	10.5	19	65.3	15	29.3	15.7	19
APH 08-04(3)	8	R1/2	13.5	24	81.5	15	32.3	21.5	24
APH 10-01(3)	10	R1/8	7.5	18	63	18.7	30.5	19	12
APH 10-02(3)	10	R1/4	9.5	19.5	69.5	18.7	32.8	21.5	14
APH 10-03(3)	10	R3/8	10.5	21	78	18.7	33.2	21.5	19
APH 10-04(3)	10	R1/2	13.5	24.2	81.5	18.7	36.2	21.5	24
APH 12-02(3)	12	R1/4	9.5	20.8	69.5	21.3	33.6	21.5	14
APH 12-03(3)	12	R3/8	10.5	22.2	78	21.3	35.8	21.5	19
APH 12-04(3)	12	R1/2	13.5	25.5	81.5	21.3	36.8	21.5	24

Return Catalog

Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

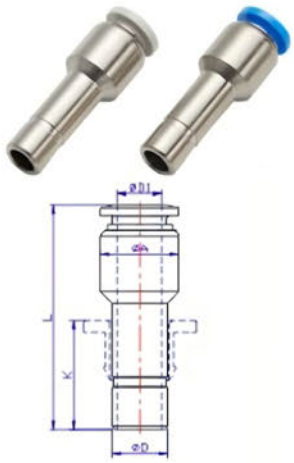
Cylinder series/Gas source series/Valve series/Other series

APYJ plug-in type Y tee



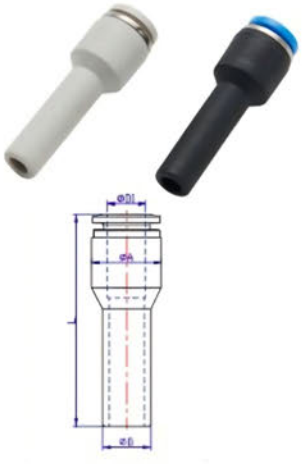
Model	D	D1	A1	L	J	d	K	H
APYJ 04	4	4	11.3	52.3	11	3.2	13	14.3
APYJ 06	6	6	13.3	53.3	13	3.2	13	14.8
APYJ 08	8	8	15	57.1	15	3.2	14	18.2
APYJ 10	10	10	18.7	69.2	18	4.2	17	21.2
APYJ 12	12	12	21.3	75.3	21	4.2	19	21.8
APYJ 06-04	6	4	11.3	52.3	11	3.2	13	14.3
APYJ 08-06	8	6	13.3	53.3	13	3.2	14	14.8
APYJ 10-08	10	8	15	60.1	15	3.2	17	18.2
APYJ 12-10	12	10	18.7	72.2	18	4.2	19	21.2

APGJ plug-in straight through



Model	D	D1	A	L	K
APGJ 06-04	6	4	10	34.3	13
APGJ 08-04	8	4	10	33.3	14
APGJ 08-06	8	6	12	35.6	14
APGJ 10-06	10	6	12	37.1	17
APGJ 10-08	10	8	14	40.7	17
APGJ 12-06	12	6	13.5	39.1	19
APGJ 12-08	12	8	14	41.7	19
APGJ 12-10	12	10	17	46.5	19

PPGJ plug-in plastic straight through



Model	D	D1	A	L
PPGJ 06-04	6	4	11	36.5
PPGJ 08-04	8	4	11	36.5
PPGJ 08-06	8	6	13	39
PPGJ 10-06	10	6	13	38.5
PPGJ 10-08	10	8	14.5	44
PPGJ 12-06	12	6	13	39.5
PPGJ 12-08	12	8	14.5	43
PPGJ 12-10	12	10	18.5	50

Return Catalog

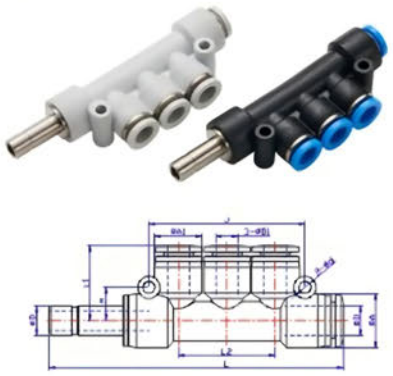
Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

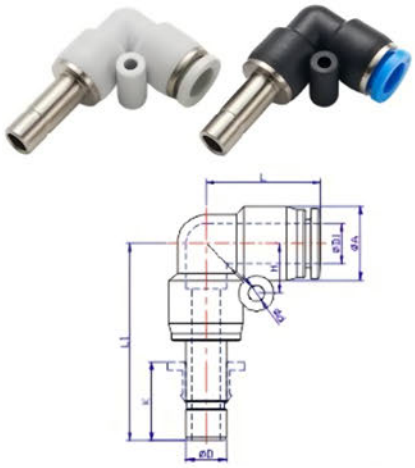
Cylinder series/Gas source series/Valve series/Other series

APKJ plug-in type five way connector



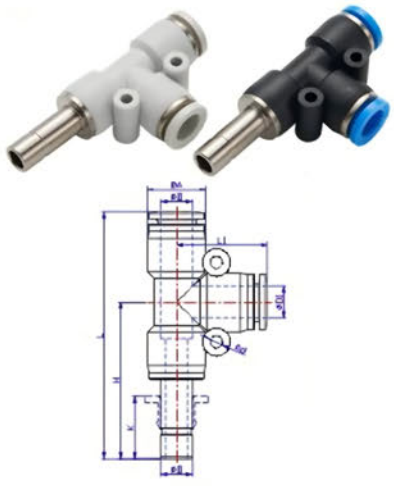
Model	D	D1	A	A1	L	L1	J	H	d
APKJ 04	4	4	13.3	11.3	73.8	19	36	9	3.2
APKJ 06	6	6	15	13.3	77.8	20.5	42	10	3.2
APKJ 08	8	8	18.7	15	98.3	24	48	13	4.2
APKJ 10	10	10	21.3	18.7	112.2	28.5	60.5	14	4.2
APKJ 06-04	6	4	13.3	11.3	73.8	19	36	9	3.2
APKJ 08-04	8	4	15	13.3	79.3	20.5	42	10	3.2
APKJ 08-06	8	6	15	13.3	79.3	20.5	42	10	3.2
APKJ 10-06	10	6	18.7	15	102.2	23.5	48	13	4.2
APKJ 10-08	10	8	18.7	15	102.2	24	48	13	4.2

APLJ plug-in elbow



Model	D	D1	A		L	L1	d	K	H
APLJ 04	4	4	11.3		18.8	35	3.2	13	7
APLJ 06	6	6	13.3		19.3	35.5	3.2	13	8
APLJ 08	8	8	15		22.8	39.5	3.2	14	10
APLJ 10	10	10	18.7		28	46.8	4.2	17	12
APLJ 12	12	12	21.3		29.8	51.5	4.2	19	13.5
APLJ 06-04	6	4	11.3		18.8	35	3.2	13	7
APLJ 08-06	8	6	13.3		19.3	36.5	3.2	14	8
APLJ 10-06	10	8	15		22.8	42.5	3.2	17	10
APLJ 12-08	12	10	18.7		28	49.8	4.2	19	12

APDJinsertion type side tee



Model	D	D1	A	L	L1	d	K	H
APDJ 04	4	4	11.3	53.8	18.8	3.2	13	35
APDJ 06	6	6	13.3	54.8	19.3	3.2	13	35.5
APDJ 08	8	8	15	62.3	22.8	3.2	14	39.5
APDJ 10	10	10	18.7	76.2	28	4.2	17	46.8
APDJ 12	12	12	21.3	81.3	29.8	4.2	19	51.5
APDJ 06-04	6	4	13.3	54.8	19.3	3.2	13	35.5
APDJ 08-06	8	6	15	62.3	22.3	3.2	14	39.5
APDJ 10-06	10	8	18.7	76.2	27.8	4.2	17	46.8
APDJ 12-08	12	10	21.3	81.3	29.7	4.2	19	51.5

Return Catalog

Push-in Connectors

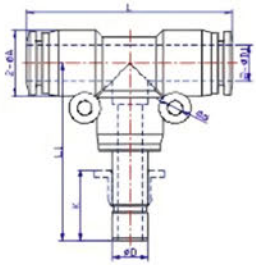
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APDJ insertion type side tee

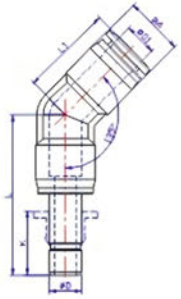




Model	D	D1	A	L	L1	d	K
APBJ 04	4	4	11.3	37.6	35	3.2	13
APBJ 06	6	6	13.3	38.6	35.5	3.2	13
APBJ 08	8	8	15	45.6	39.5	3.2	14
APBJ 10	10	10	18.7	57.4	46.8	4.2	17
APBJ 12	12	12	21.3	59.6	51.5	4.2	19
APBJ 06-04	6	4	11.3	37.6	35	3.2	13
APBJ 08-06	8	6	13.3	38.6	36.5	3.2	14
APBJ 10-08	10	8	15	45.6	42.5	3.2	17
APBJ 12-10	12	10	18.7	57.4	49.8	4.2	19

APLJ45 insertion type 45degree elbow

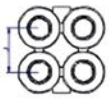


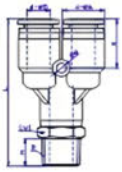


Model	D	D1	A	L	L1	K
APLJ 45 04	4	4	11.3	35	18.8	13
APLJ 45 06	6	6	13.3	35.5	19.3	13
APLJ 45 08	8	8	15	39.5	22.8	14
APLJ 45 10	10	10	18.7	46.8	28	17
APLJ 45 12	12	12	21.3	51.5	29.8	19
APBJ 45 06-04	6	4	11.3	35	18.8	13
APBJ 45 08-06	8	6	13.3	36.5	19.3	14
APBJ 45 10-08	10	8	15	42.5	22.8	17
APBJ 45 12-10	12	10	18.7	49.8	28	19

APXT Y-shaped threaded five way connector







Model	D	R	H	A	L	k	d	SW1
APXT 04-01	4	R1/8	7.5	11.3	43	15	3.2	12
APXT 04-02	4	R1/4	9.5	11.3	45.5	15	3.2	14
APXT 06-01	6	R1/8	7.5	13.3	47	15.5	3.2	14
APXT 06-02	6	R1/4	9.5	13.3	49	15.5	3.2	14
APXT 06-03	6	R3/8	10.5	13.3	50.5	15.5	3.2	17
APXT 06-04	6	R1/2	13.5	13.3	54	15.5	3.2	21
APXT 08-01	8	R1/2	7.5	15	48	16.5	3.2	14
APXT 08-02	8	R1/4	9.5	15	50	16.5	3.2	14
APXT 08-03	8	R3/8	10.5	15	51.5	16.5	3.2	17
APXT 08-03	8	R1/2	13.5	13.5	56	16.5	3.2	21

Return Catalog

Push-in Connectors

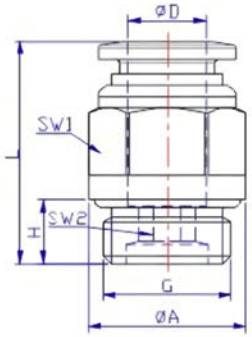
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APC-G thread straightthrough -G thread

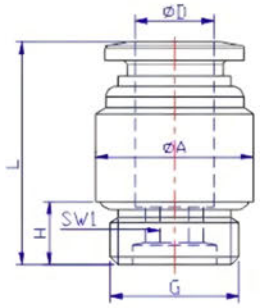




Model	D	G	H	A	L	SW1	SW2
APC 04-G01	4	G1/8	5.5	14	19.2	10	3
APC 04-G02	4	G1/4	7.5	17	18.7	10	3
APC 04-G03	4	G3/8	7.5	20	18.7	10	3
APC 06-G01	6	G1/8	5.5	14	20.1	12	4
APC 06-G02	6	G1/4	7.5	17	21.6	12	4
APC 06-G03	6	G3/8	7.5	20	20.1	12	4
APC 06-G04	6	G1/2	10	24	22.6	12	4
APC 08-G01	8	G1/8	5.5	14	24.7	14	4
APC 08-G02	8	G1/4	7.5	17	23.7	14	5
APC 08-G03	8	G3/8	7.5	20	21.2	14	6
APC 08-G04	8	G1/2	10	24	23.7	14	6
APC 10-G01	10	G1/8	5.5	14	27.4	17	4
APC 10-G02	10	G1/4	7.5	17	29.4	17	6
APC 10-G03	10	G3/8	7.5	20	25.9	17	8
APC 10-G04	10	G1/2	10	24	25.9	17	8
APC 12-G01	12	G1/8	5.5	14	30.2	21	4
APC 12-G02	12	G1/4	7.5	17	32.2	21	6
APC 12-G03	12	G3/8	7.5	20	28.2	21	8
APC 12-G04	12	G1/2	10	24	30.7	20	8
APC 14-G03	14	G1/8	7.5	20	33.5	22	8
APC 14-G04	14	G1/2	10	24	31.5	24	10
APC 15-G03	15	G3/8	7.5	20	36	24	8
APC 15-G04	15	G1/2	10	24	32.5	24	10
APC 16-G03	16	G3/8	7.5	20	36	24	8
APC 16-G04	16	G1/2	10	24	38	24	10

APOC-G round threadstraight through -G thread





Model	D	G	H	L	A	SW1
APOC 04-G01	4	G1/8	5.5	19.2	14	3
APOC 04-G02	4	G1/4	7.5	18.7	17	3
APOC 06-G01	6	G1/8	5.5	19.6	14	4
APOC 06-G02	6	G1/4	7.5	21.6	17	4
APOC 06-G03	6	G3/8	7.5	18.1	20	4
APOC 06-G04	6	G1/2	10	19.1	24	4
APOC 08-G01	8	G1/8	5.5	24.7	14	4
APOC 08-G02	8	G1/4	7.5	23.7	17	5
APOC 08-G03	8	G3/8	7.5	20.2	20	6
APOC 08-G04	8	G1/2	10	21.2	24	6
APOC 10-G01	10	G1/8	5.5	27.4	17	4
APOC 10-G02	10	G1/4	7.5	29.4	17	6
APOC 10-G03	10	G3/8	7.5	25.9	20	8
APOC 10-G04	10	G1/2	10	24.4	24	8
APOC 12-G01	12	G1/8	5.5	30.2	20	4
APOC 12-G02	12	G1/4	7.5	32.2	20	6
APOC 12-G03	12	G3/8	7.5	27.7	20	8
APOC 12-G04	12	G1/2	10	30.2	24	8

Return Catalog

Push-in Connectors

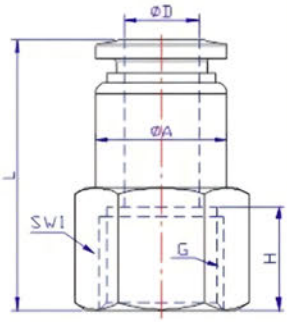
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APCF-G internal thread straightthrough -G thread

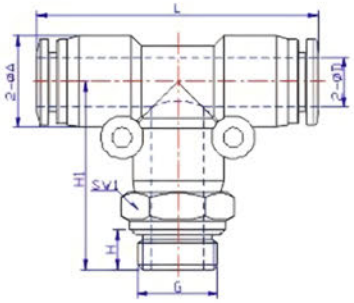




Model	D	G	H	A	L	SW1
APCF 04-G01	4	G1/8	8.1	10	23.7	14
APCF 04-G02	4	G1/4	11	10	26.2	17
APCF 06-G01	6	G1/8	8.5	12	24.1	14
APCF 06-G02	6	G1/4	11	12	26.6	17
APCF 06-G03	6	G3/8	12	12	27.6	20
APCF 06-G04	6	G1/2	14	12	29.6	24
APCF 08-G01	8	G1/8	8.5	14	26.2	14
APCF 08-G02	8	G1/4	11	14	28.7	17
APCF 08-G03	8	G3/8	12	14	29.7	20
APCF 08-G04	8	G1/2	14	14	31.7	24
APCF 10-G01	10	G1/8	8.5	17	27.9	17
APCF 10-G02	10	G1/4	11	17	31.4	17
APCF 10-G03	10	G3/8	12	17	32.4	20
APCF 10-G04	10	G1/2	14	17	34.4	24
APCF 12-G01	12	G1/8	8.5	20	30.7	20
APCF 12-G02	12	G1/4	11	20	33.7	20
APCF 12-G03	12	G3/8	12	20	34.7	20
APCF 12-G04	12	G1/2	14	20	36.7	24

APB-C thread positivetee-G thread





Model	D	G	H	A	L	H1	SW1
APB 04-G01	4	G1/8	5.5	11.3	37.6	25.5	14
APB 04-G02	4	G1/4	7.5	11.3	37.6	28	17
APB 06-G01	6	G1/8	5.5	13.3	38.6	26	14
APB 06-G02	6	G1/4	7.5	13.3	38.6	28.5	17
APB 06-G03	6	G3/8	7.5	13.3	38.6	29	20
APB 06-G04	6	G1/2	10	13.3	38.6	31.5	24
APB 08-G01	8	G1/8	5.5	15	45.6	29	14
APB 08-G02	8	G1/4	7.5	15	45.6	31.5	17
APB 08-G03	8	G3/8	7.5	15	45.6	32	20
APB 08-G04	8	G1/2	10	15	45.6	34.5	24
APB 10-G01	10	G1/8	5.5	18.7	57.4	34.5	17
APB 10-G02	10	G1/4	7.5	18.7	57.4	36.5	17
APB 10-G03	10	G3/8	7.5	18.7	57.4	37	20
APB 10-G04	10	G1/2	10	18.7	57.4	39.5	24
APB 12-G01	12	G1/8	5.5	21.3	59.6	36	21
APB 12-G02	12	G1/4	7.5	21.3	59.6	38	21
APB 12-G03	12	G3/8	7.5	21.3	59.6	38	21
APB 12-G04	12	G1/2	10	21.3	59.6	40.5	24
APB 14-G03	14	G3/8	7.5	23.5	62	39.5	22
APB 14-G04	14	G1/2	10	23.5	62	43	24
APB 15-G03	15	G3/8	7.5	26.5	65	42.5	24
APB 15-G04	15	G1/2	10	26.5	65	44.5	24
APB 16-G03	16	G3/8	7.5	26.5	65	42.5	24
APB 16-G04	16	G1/2	10	26.5	65	44.5	24

Return Catalog

Push-in Connectors

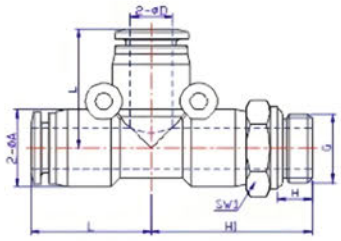
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APD-G threaded sidetees -G tees

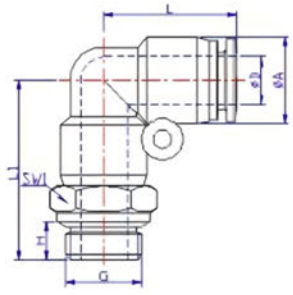




Model	D	G	H	A	L	H1	SW1
APD 04-G01	4	G1/8	5.5	11.3	18.8	25.5	14
APD 04-G02	4	G1/4	7.5	11.3	18.8	28	17
APD 06-G01	6	G1/8	5.5	13.3	19.3	26	14
APD 06-G02	6	G1/4	7.5	13.3	19.3	28.5	17
APD 06-G03	6	G3/8	7.5	13.3	19.3	29	20
APD 06-G04	6	G1/2	10	13.3	19.3	31.5	24
APD 08-G01	8	G1/8	5.5	15	22.8	29	14
APD 08-G02	8	G1/4	7.5	15	22.8	31.5	17
APD 08-G03	8	G3/8	7.5	15	22.8	32	20
APD 08-G04	8	G1/2	10	15	22.8	34.5	24
APD 10-G01	10	G1/8	5.5	18.7	28.7	34.5	17
APD 10-G02	10	G1/4	7.5	18.7	28.7	36.5	17
APD 10-G03	10	G3/8	7.5	18.7	28.7	37	20
APD 10-G04	10	G1/2	10	18.7	28.7	39.5	24
APD 12-G01	12	G1/8	5.5	21.3	29.8	36	21
APD 12-G02	12	G1/4	7.5	21.3	29.8	38	21
APD 12-G03	12	G3/8	7.5	21.3	29.8	38	21
APD 12-G04	12	G1/2	10	21.3	29.8	40.5	24
APD 14-G03	14	G3/8	7.5	23.5	31	39.5	22
APD 14-G04	14	G1/2	10	23.5	31	43	24
APD 15-G03	15	G3/8	7.5	26.5	32.5	42.5	24
APD 15-G04	15	G1/2	10	26.5	32.5	44.5	24
APD 16-G03	16	G3/8	7.5	26.5	32.5	42.5	24
APD 16-G04	16	G1/2	10	26.5	32.5	44.5	24

APL-GL type threadedelbow-G thread





Model	D	G	H	A	L	L1	SW1
APL 04-G01	4	G1/8	5.5	11.3	18.8	25.5	14
APL 04-G02	4	G1/4	7.5	11.3	18.8	28	17
APL 06-G01	6	G1/8	5.5	13.3	19.3	26	14
APL 06-G02	6	G1/4	7.5	13.3	19.3	28.5	17
APL 06-G03	6	G3/8	7.5	13.3	19.3	29	20
APL 06-G04	6	G1/2	10	13.3	19.3	31.5	24
APL 08-G01	8	G1/8	5.5	15	22.8	29	14
APL 08-G02	8	G1/4	7.5	15	22.8	31.5	17
APL 08-G03	8	G3/8	7.5	15	22.8	32	20
APL 08-G04	8	G1/2	10	15	22.8	34.5	24
APL 10-G01	10	G1/8	5.5	18.7	28	33.8	17
APL 10-G02	10	G1/4	7.5	18.7	28	35.8	17
APL 10-G03	10	G3/8	7.5	18.7	28	36.3	20
APL 10-G04	10	G1/2	10	18.7	28	38.8	24
APL 12-G01	12	G1/8	5.5	21.3	29.8	36	21
APL 12-G02	12	G1/4	7.5	21.3	29.8	38	21
APL 12-G03	12	G3/8	7.5	21.3	29.8	38	21
APL 12-G04	12	G1/2	10	21.3	29.8	40.5	24
APL 14-G03	14	G3/8	7.5	23.5	29.5	39.5	22
APL 14-G04	14	G1/2	10	23.5	29.5	43	24
APL 15-G03	15	G3/8	7.5	26.5	34	42.5	24
APL 15-G04	15	G1/2	10	26.5	34	44.5	24
APL 16-G03	16	G3/8	7.5	26.5	34	42.5	24
APL 16-G04	16	G1/2	10	26.5	34	44.5	24

Return Catalog

Push-in Connectors

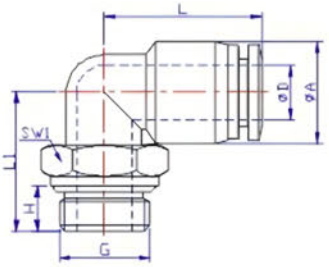
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APLN-G L-type threadedelbow -G thread

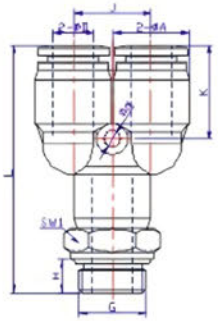




Model	D	G	H	A	L	L1	SW1
APLN 04-G01	4	G1/8	5.5	11.3	18.8	22	14
APLN 04-G02	4	G1/4	7.5	11.3	18.8	19.5	17
APLN 04-G03	4	G3/8	7.5	11.3	18.8	20	20
APLN 06-G01	6	G1/8	5.5	13.3	19.8	23	14
APLN 06-G02	6	G1/4	7.5	13.3	19.8	20.5	17
APLN 06-G03	6	G3/8	7.5	13.3	19.8	21	20
APLN 06-G04	6	G1/2	10	13.3	19.8	23.5	24
APLN 08-G01	8	G1/8	5.5	15	22.8	23.7	14
APLN 08-G02	8	G1/4	7.5	15	22.8	21.2	17
APLN 08-G03	8	G3/8	7.5	15	22.8	21.7	20
APLN 08-G04	8	G1/2	10	15	22.8	24.2	24
APLN 10-G01	10	G1/8	5.5	18.7	27	25.7	15
APLN 10-G02	10	G1/4	7.5	18.7	27	27.7	17
APLN 10-G03	10	G3/8	7.5	18.7	27	23.7	20
APLN 10-G04	10	G1/2	10	18.7	27	26.2	24
APLN 12-G01	12	G1/8	2.2	21.3	30.3	27	15
APLN 12-G02	12	G1/4	7.5	21.3	30.3	29	17
APLN 12-G03	12	G3/8	7.5	21.3	30.3	25	20
APLN 12-G04	12	G1/2	10	21.3	30.3	27.5	24
APLN 14-G03	14	G3/8	7.5	23.5	29.5	32	20
APLN 14-G04	14	G1/2	10	23.5	29.5	30.5	24
APLN 15-G03	15	G3/8	7.5	26.5	34	33	20
APLN 15-G04	15	G1/2	10	26.5	34	31.5	24
APLN 16-G03	16	G3/8					
APLN 16-G04	16	G1/2	10	26.5	34	31.5	24

APX-G Y-shaped threadedelbow-G-thread





Model	D	G	H	A	L	J	d	K	SW1
APX 04-G01	4	G1/8	5.5	11.3	42.8	11	3.2	14.3	14
APX 04-G02	4	G1/4	7.5	11.3	45.3	11	3.2	14.3	17
APX 06-G01	6	G1/8	5.5	11.3	43.8	13	3.2	14.8	14
APX 06-G02	6	G1/4	7.5	13.3	46.3	13	3.2	14.8	17
APX 06-G03	6	G3/8	7.5	13.3	46.8	13	3.2	14.8	20
APX 06-G04	6	G1/2	10	13.3	49.3	13	3.2	14.8	24
APX 08-G01	8	G1/8	5.5	13.3	46.6	15	3.2	18.2	14
APX 08-G02	8	G1/4	7.5	15	49.1	15	3.2	18.2	17
APX 08-G03	8	G3/8	7.5	15	49.6	15	3.2	18.2	20
APX 08-G04	8	G1/2	10	15	52.1	15	3.2	18.2	24
APX 10-G01	10	G1/8	5.5	15	56.2	18	4.2	21.2	17
APX 10-G02	10	G1/4	7.5	18.7	58.2	18	4.2	21.2	17
APX 10-G03	10	G3/8	7.5	18.7	58.7	18	4.2	4.2	20
APX 10-G04	10	G1/2	10	18.7	61.2	18	4.2	21.2	24
APX 12-G01	12	G1/8	5.5	18.7	59.8	21	4.2	21.8	24
APX 12-G02	12	G1/4	7.5	21.3	61.8	21	4.2	21.8	24
APX 12-G03	12	G3/8	7.5	21.3	61.8	21	4.2	21.8	24
APX 12-G04	12	G1/2	10	21.3	64.3	21	4.2	21.8	24

Return Catalog

Push-in Connectors

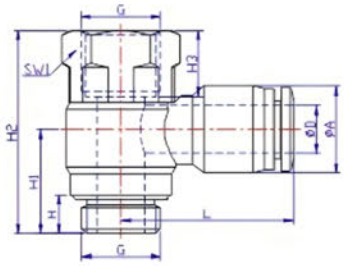
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APHF-G series connector -G thread

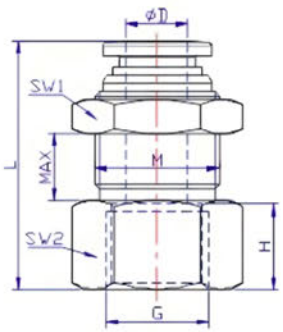




Model	D	G	H1	H2	H3	A	L	J	SW1
APHF 04-G01	4	G1/8	15	30	8.5	11.3	22.6	15	14
APHF 04-G02	4	G1/4	17.8	35	11	11.3	25.2	15	17
APHF 06-G01	6	G1/8	15	30	8.5	13.3	23.5	15	14
APHF 06-G02	6	G1/4	17.2	35	11	13.3	25	15	17
APHF 06-G03	6	G3/8	19	40	12	13.3	26.8	15.7	20
APHF 06-G04	6	G1/2	25.2	47.5	14	13.3	31.8	21.5	24
APHF 08-G01	8	G1/8	15.7	30	8.5	15	25.6	15	14
APHF 08-G02	8	G1/4	18.5	35	11	15	28.6	15	17
APHF 08-G03	8	G3/8	19	40	12	15	29.3	15.7	20
APHF 08-G04	8	G1/2	25	47.5	14	15	32.3	21.5	24
APHF 10-G01	10	G1/8	18	30	8.5	18.7	30.5	19	14
APHF 10-G02	10	G1/4	20.5	35	11	18.7	32.8	21.5	17
APHF 10-G03	10	G3/8	21	40	12	18.7	33.2	21.5	20
APHF 10-G04	10	G1/2	25.2	47.5	14	18.7	36.2	21.5	24
APHF 12-G02	12	G1/4	21.8	35	11	21.3	33.6	21.5	17
APHF 12-G03	12	G3/8	22.2	40	12	21.3	35.8	21.5	20
APHF 12-G04	12	G1/2	26.5	47.5	14	21.3	36.8	21.5	24

APMF-G partition internalthread straight through -G thread





Model	D	G	H	L	M	MAX	SW1	SW2
APMF 04-G01	4	G1/8	8.5	24.2	M12×1	5.5	14	14
APMF 04-G02	4	G1/4	11	26.7	M12×1	5.5	14	17
APMF 06-G01	6	G1/8	8.5	24.6	M14×1	7.5	17	17
APMF 06-G02	6	G1/4	11	29.6	M14×1	7.5	17	17
APMF 06-G03	6	G3/8	12	31.1	M14×1	7.5	17	20
APMF 06-G04	6	G1/2	14	33.1	M14×1	7.5	17	24
APMF 08-G01	8	G1/8	8.5	26.7	M16×1	9.5	19	19
APMF 08-G02	8	G1/4	11	32.2	M16×1	9.5	19	19
APMF 08-G03	8	G3/8	12	34.7	M16×1	9.5	19	20
APMF 08-G04	8	G1/2	14	36.7	M16×1	9.5	19	24
APMF 10-G01	10	G1/8	8.5	30.4	M20×1	9.5	24	21
APMF 10-G02	10	G1/4	11	31.9	M20×1	9.5	24	21
APMF 10-G03	10	G3/8	12	32.9	M20×1	9.5	24	21
APMF 10-G04	10	G1/2	14	38.4	M20×1	9.5	24	24
APMF 12-G01	12	G1/8	8.5	31.2	M22×1	9.5	26	24
APMF 12-G02	12	G1/4	11	34.2	M22×1	9.5	26	24
APMF 12-G03	12	G3/8	12	35.2	M22×1	9.5	26	24
APMF 12-G04	12	G1/2	12	37.2	M22×1	9.5	26	24

Return Catalog

Push-in Connectors

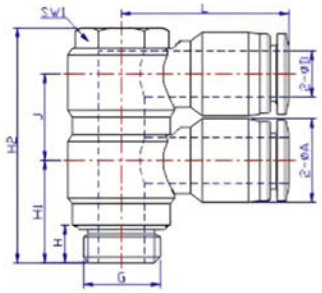
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APH-G (2) series right angle (2)-G thread

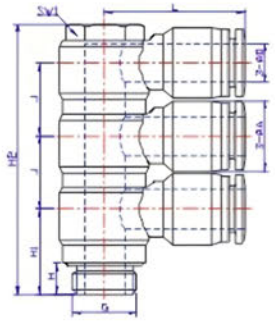




Model	D	G	H	H1	H2	A	L	J	SW1
APH 04-G01(2)	4	G1/8	5.5	14	38.2	11.3	22.6	15	12
APH 04-G02(2)	4	G1/4	7.5	17.3	41.3	11.3	25.2	15	14
APH 06-G01(2)	6	G1/8	5.5	14	38.2	13.3	23.5	15	12
APH 06-G02(2)	6	G1/4	7.5	17.3	41.3	13.3	25	15	14
APH 06-G03(2)	6	G3/8	7.5	19	48.7	13.3	26.8	15.7	19
APH 06-G04(2)	6	G1/2	10	24.5	60.5	13.3	31.8	21.5	24
APH 08-G01(2)	8	G1/8	5.5	15	38.2	15	25.6	15	12
APH 08-G02(2)	8	G1/4	7.5	18.3	41.3	15	28.6	15	14
APH 08-G03(2)	8	G3/8	7.5	19	48.7	15	29.3	15.7	19
APH 08-G04(2)	8	G1/2	10	24.5	60.5	15	32.3	21.5	24
APH 10-G01(2)	10	G1/8	5.5	16.8	42.2	18.7	30.5	19	12
APH 10-G02(2)	10	G1/4	7.5	20	47.8	18.7	32.8	21.5	14
APH 10-G03(2)	10	G3/8	7.5	21	54.2	18.7	33.2	21.5	19
APH 10-G04(2)	10	G1/2	10	25	60.5	18.7	36.2	21.5	24
APH 12-G02(2)	12	G1/4	7.5	21.5	47.8	21.3	33.6	21.5	14
APH 12-G03(2)	12	G3/8	7.5	22	54.2	21.3	35.8	21.5	19
APH 12-G04(2)	12	G1/2	10	26	60.5	21.3	36.8	21.5	24

APH-G (3) series right angle (3)-G thread





Model	D	G	H	H1	H2	A	L	J	SW1
APH 04-G01(3)	4	G1/8	5.5	14	53	11.3	22.6	15	12
APH 04-G02(3)	4	G1/4	7.5	17.3	56.5	11.3	25.2	15	14
APH 06-G01(3)	6	G1/8	5.5	14	53	13.3	23.5	15	12
APH 06-G02(3)	6	G1/4	7.5	17.3	56.5	13.3	25	15	14
APH 06-G03(3)	6	G3/8	7.5	19	65.3	13.3	26.8	15.7	19
APH 06-G04(3)	6	G1/2	10	24.5	82.5	13.3	31.8	22	24
APH 08-G01(3)	8	G1/8	5.5	15	53	15	25.6	15	12
APH 08-G02(3)	8	G1/4	7.5	18.3	56.5	15	28.6	15	14
APH 08-G03(3)	8	G3/8	7.5	19	65.3	15	29.3	15.7	19
APH 08-G04(3)	8	G1/2	10	24.5	82.5	15	32.3	22	24
APH 10-G01(3)	10	G1/8	5.5	16.8	63	18.7	30.5	19	12
APH 10-G02(3)	10	G1/4	7.5	20	69.5	18.7	32.8	21.5	14
APH 10-G03(3)	10	G3/8	7.5	21	78	18.7	33.2	21.5	19
APH 10-G04(3)	10	G1/2	10	25	82.5	18.7	36.2	22	24
APH 12-G02(3)	12	G1/4	7.5	21.5	69.5	21.3	33.6	21.5	14
APH 12-G03(3)	12	G3/8	7.5	22	78	21.3	35.8	21.5	19
APH 12-G04(3)	12	G1/2	10	26	82.5	21.3	36.8	22	24

Return Catalog

Push-in Connectors

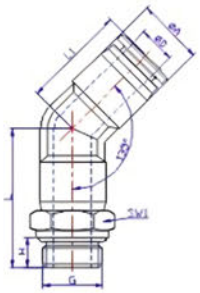
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

APL45-G 45 degree screwelbow-G thread

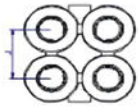


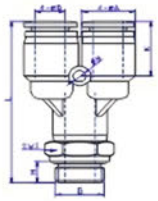


Model	D	G	H	A	L	L1	SW1
APL 45 04-G01	4	G1/8	5.5	11.3	25.5	18.8	14
APL 45 04-G02	4	G1/4	7.5	11.3	28	18.8	17
APL 45 06-G01	6	G1/8	5.5	13.3	26	19.3	14
APL 45 06-G02	6	G1/4	7.5	13.3	28.5	19.3	17
APL 45 06-G03	6	G3/8	7.5	13.3	29	19.3	20
APL 45 06-G04	6	G1/2	10	13.3	31.5	19.3	24
APL 45 08-G01	8	G1/8	5.5	15	29	22.8	14
APL 45 08-G02	8	G1/4	7.5	15	31.5	22.8	17
APL 45 08-G03	8	G3/8	7.5	15	32	22.8	20
APL 45 08-G04	8	G1/2	10	15	34.5	22.8	24
APL 45 10-G01	10	G1/8	5.5	18.7	33.8	28	17
APL 45 10-G02	10	G1/4	7.5	18.7	35.8	28	17
APL 45 10-G03	10	G3/8	7.5	18.7	36.3	28	20
APL 45 10-G04	10	G1/2	10	18.7	38.8	28	24
APL 45 12-G01	12	G1/8	5.5	21.3	36	29.8	21
APL 45 12-G02	12	G1/4	7.5	21.3	38	29.8	21
APL 45 12-G03	12	G3/8	7.5	21.3	38	29.8	21
APL 45 12-G04	12	G1/2	10	21.3	40.5	29.8	24

APXT-G Y-shaped thread5-way-G thread







Model	D	G	H	A	L	J	k	d	SW1
APXT 04-G01	4	G1/8	5.5	11.3	43	11	15	3.2	14
APXT 04-G02	4	G1/4	7.5	11.3	45.5	11	15	3.2	17
APXT 06-G01	6	G1/8	5.5	13.3	46.5	13	15.5	3.2	14
APXT 06-G02	6	G1/4	7.5	13.3	49	13	15.5	3.2	17
APXT 06-G03	6	G3/8	7.5	13.3	49.5	13	15.5	3.2	20
APXT 06-G04	6	G1/2	10	13.3	52	13	15.5	3.2	24
APXT 08-G01	8	G1/8	5.5	15	47.5	15	16.5	3.2	14
APXT 08-G02	8	G1/4	7.5	15	50	15	16.5	3.2	17
APXT 08-G03	8	G3/8	7.5	15	50.5	15	16.5	3.2	20
APXT 08-G04	8	G1/2	10	15	53	15	16.5	3.2	24

Return Catalog

Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

• Features

· Used to control the speed of the working equipment
· Because of the resin body and metal body rotation lead to the direction is free

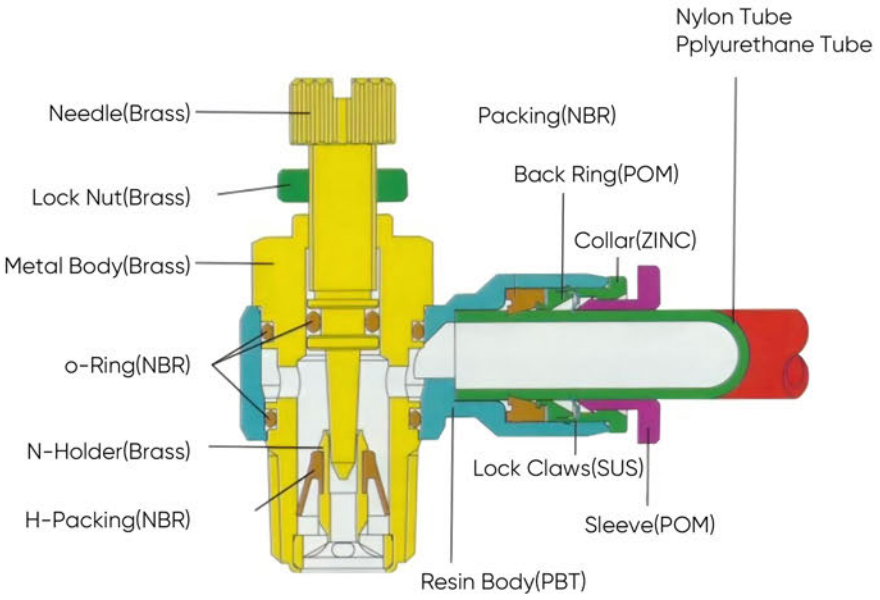
• Warning

When the needle opened slowly from the "completely closed", it is dangerous because the actuator may be sudden "come out" while adjusting of the needle incase of it is opened. It should be operating in secure, Clockwise to "off", counterclockwise to "on" Don't swing or rotate the products forcibly, it may result in damage or cause leakage

• Note

To a certain extent, the few air leakage of Speed Control is allowed when it is in a completely closed situation because of it is design, Please don't use it in theenvironment required no air leakage.

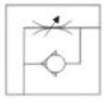
• Structure Chart



• Specifications

Fluid	Air(no other gases or liquids)
Operrating Pressure	0.1-1MPa(15-150Psi)
Max Pressure	1.5MPa(225Psi)
Operating Temperature	0-60℃
Applicable Tube	Polyurethane and Nylon

• Control Way

Type	Exhaust Control out	Entering air Control in
Type		
	Case: ASC06-01	Case: ASC06-01B

When you order control in typr,please put B at the end of model type.For example,ASC06-01B

Return Catalog

Push-in Connectors

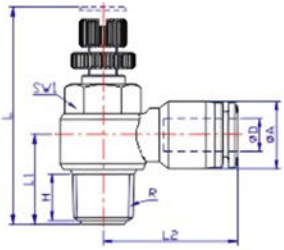
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

ASC-R throttle valve standard type

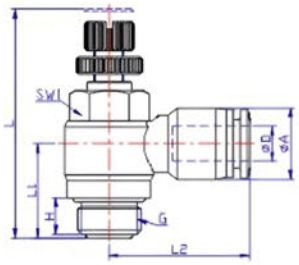




Model	D	R	H	A	L	L1	L2	SW1
ASC 04-M5(B)	4	M5	3.5	11.3	32	12	20.5	8
ASC 04-01(B)	4	R1/8	6.5	11.3	42	14	23.5	12
ASC 04-02(B)	4	R1/4	10	11.3	48	18	25.5	14
ASC 06-M5(B)	6	M5	3.5	13.3	32	12	22	8
ASC 06-01(B)	6	R1/8	6.4	13.3	42	14	23.5	12
ASC 06-02(B)	6	R1/4	10	13.3	48	18	25.4	14
ASC 06-03(B)	6	R3/8	11.4	13.3	53	20.5	29.5	19
ASC 06-04(B)	8	R1/2	14	13.3	61	25.5	32.5	24
ASC 08-01(B)	8	R1/8	6.4	15	42	14.5	26.5	12
ASC 08-02(B)	8	R1/4	10	15	48	19	29	14
ASC 08-03(B)	8	R3/8	11.4	15	53	20.5	29.5	19
ASC 08-04(B)	8	R1/2	14	15	61	25.5	32.5	24
ASC 10-01(B)	10	R1/8	6.4	18.7	42	17.5	30.3	12
ASC 10-02(B)	10	R1/4	10	18.7	48	20	32.6	14
ASC 10-03(B)	10	R3/8	11.4	18.7	53	22.5	33	19
ASC 10-04(B)	10	R1/2	14	18.7	61	25.5	36	24
ASC 12-01(B)	12	R1/8	6.5	21.3	42	18.5	31	12
ASC 12-02(B)	12	R1/4	10	21.3	48	20	3.5	14
ASC 12-03(B)	12	R3/8	11.4	21.3	53	24	35.5	19
ASC 12-04(B)	12	R1/2	14	21.3	61	30	36.5	21

ASC-G throttle valve standard type-G thread





Model	D	G	H	A	L	L1	L2	SW1
ASC 04-G01(B)	4	G1/8	5.5	11.3	42	14	23.5	12
ASC 04-G02(B)	4	G1/4	7.5	11.3	48	18	25.5	14
ASC 06-G01(B)	6	G1/8	5.5	13.3	42	14	23.5	12
ASC 06-G02(B)	6	G1/4	7.5	13.3	48	18	25.4	14
ASC 06-G03(B)	6	G3/8	7.5	13.3	53	20.5	29.5	19
ASC 06-G04(B)	6	G1/2	10	13.3	61	25.5	32.5	24
ASC 08-G01(B)	8	G1/8	5.5	15	42	14.5	26.5	12
ASC 08-G02(B)	8	G1/4	7.5	15	48	19	29	14
ASC 08-G03(B)	8	G3/8	7.5	15	53	20.5	29.5	19
ASC 08-G04(B)	8	G1/2	10	15	61	25.5	32.5	24
ASC 10-G01(B)	10	G1/8	5.5	18.7	42	17.5	30.3	12
ASC 10-G02(B)	10	G1/4	7.5	18.7	48	20	32.6	14
ASC 10-G03(B)	10	G3/8	7.5	18.7	53	22.5	33	19
ASC 10-G04(B)	10	G1/2	10	18.7	61	25.5	36	24
ASC 12-G01(B)	12	G1/8	5.5	21.3	42	18.5	31	12
ASC 12-G02(B)	12	G1/4	7.5	21.3	48	20	33.5	14
ASC 12-G03(B)	12	G3/8	7.5	21.3	53	24	35.5	19
ASC 12-G04(B)	12	G1/2	10	21.3	61	30	36.5	24

Return Catalog

Push-in Connectors

Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

ASS Free Rotation Type



Model	D	R	H	A	L	L1	L2	L3	SW1
ASS 04-M5	4	M5	3.5	11.3	32	12	20.5	11.5	8
ASS 04-01	4	R1/8	6.4	11.3	42	14	26.5	18	12
ASS 04-02	4	R1/4	10	11.3	48	18	27	20.5	14
ASS 06-M5	6	M5	3.5	13.3	32	12	22	13	8
ASS 06-01	6	R1/8	6.4	13.3	42	14	26.5	18	12
ASS 06-02	6	R1/4	10	13.3	48	18	27	20.5	14
ASS 08-01	8	R1/8	6.4	15	42	14.5	26.5	18	12
ASS 08-02	8	R1/4	10	15	48	19	27	20.5	14
ASS 10-02	10	R1/4	10	18.7	48	20	30	22	14
ASS 10-03	10	R3/8	11.4	18.7	53	22.5	31	23	19
ASS 12-02	12	R1/4	10	21.3	48	20	30	22	14
ASS 12-03	12	R3/8	11.4	21.3	53	24	31	23	19

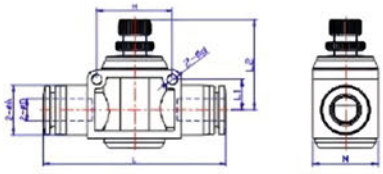
ASS-G Free Rotation Type



Model	D	R	H	A	L	L1	L2	L3	SW1
ASS 04-G01	4	G1/8	5.5	11.3	42	14	26.5	18	12
ASS 04-G02	4	G1/4	7.5	11.3	48	18	27	20.5	14
ASS 06-G01	6	G1/8	5.5	13.3	42	14	26.5	18	12
ASS 06-G02	6	G1/4	7.5	13.3	48	18	27	20.5	14
ASS 08-G01	8	G1/8	5.5	15	42	14.5	26.5	18	12
ASS 08-G02	8	G1/4	7.5	15	48	19	27	20.5	14
ASS 10-G02	10	G1/4	7.5	18.7	48	20	30	22	14
ASS 10-G03	10	G3/8	7.5	18.7	53	22.5	31	23	19
ASS 12-G02	12	G1/4	7.5	21.3	48	20	30	22	14
ASS 12-G03	12	G3/8	7.5	21.3	53	24	31	23	19

ASU pipeline valve





Model	D	A	L	L1	L2	H	d
ASU 04	4	11.3	40.5	6.5	22.5	14	3.2
ASU 06	6	13.3	48.5	8.5	34	20	4.3
ASU 08	8	15	52	9.5	34.5	22	4.3
ASU 10	10	18.7	64	10.5	40	26	4.3
ASU 12	12	21.3	74	13	40.5	32	4.3

Return Catalog

Push-in Connectors

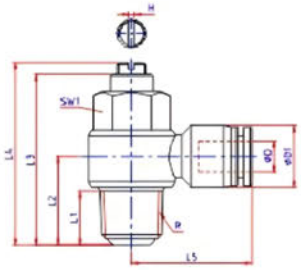
Pneumatic Fittings

VILOP PNEUMATIC CO.,LTD

Cylinder series/Gas source series/Valve series/Other series

ASCA throttle valve

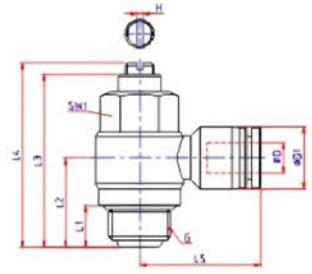




Model	D	R	L1	L2	L3	L4(MAX)	L5	D1	H	SW1
APCA 04-M5(B)	4	M5	3.2	10.5	23	23.5	20.3	11.3	0.5	8
APCA 04-01(B)	4	R1/8	7	15	29	32	23	11.3	0.8	12
APCA 04-02(B)	4	R1/4	11	18.5	34.8	37.5	25.2	11.3	1.2	14
APCA 06-M5(B)	6	M5	3.2	11.5	23	23.5	21.8	13.3	0.5	8
APCA 06-01(B)	6	R1/8	7	15	29	32	23	13.3	0.8	12
APCA 06-02(B)	6	R1/4	11	18.5	34.8	37.5	25	13.3	1.2	14
APCA 06-03(B)	6	R3/8	12.5	22	40.8	43.5	26.7	13.3	1.2	19
APCA 06-04(B)	6	R1/2	15	26	46.6	51	32	13.3	1.6	24
APCA 08-01(B)	8	R1/8	7	15.8	29	32	25.8	15	0.8	12
APCA 08-01(B)	8	R1/4	11	19.5	34.8	37.5	28.9	15	1.2	14
APCA 08-01(B)	8	R3/8	12.5	21.3	40.8	43.5	29.8	15	1.2	19
APCA 08-04(B)	8	R1/2	15	26	46.6	51	32.8	15	1.6	24
APCA 10-01(B)	8	R1/8	7	17.5	29	32	30.3	19	0.8	12
APCA 10-02(B)	10	R1/4	11	21.2	34.8	37.5	32.7	19	1.2	14
APCA 10-03(B)	10	R3/8	12.5	23.2	40.8	43.5	33	19	1.2	19
APCA 10-04(B)	10	R1/2	15	26.2	46.6	51	36	19	1.6	24
APCA 12-02(B)	12	R1/4	11	22.5	34.8	37.5	33.5	21.5	1.2	14
APCA 12-03(B)	12	R3/8	12.5	24.5	40.8	43.5	35.5	21.5	1.2	19
APCA 12-04(B)	12	R1/2	15	27.5	46.6	51	36.5	21.5	1.6	24

ASCA-G throttle valve -G thread





Model	D	G	L1	L2	L3	L4(MAX)	L5	D1	H	SW1
ASCA 04-G01(B)	4	G1/8	6	15	29	32	23	11.3	0.8	12
ASCA 04-G02(B)	4	G1/4	8.5	18.5	34.8	37.5	25.2	11.3	1.2	14
ASCA 06-G01(B)	6	G1/8	6	15	29	32	23	13.3	0.8	12
ASCA 06-G02(B)	6	G1/4	8.5	18.5	34.8	37.5	25	13.3	1.2	14
ASCA 06-G03(B)	6	G3/8	10	22	40.8	43.5	26.7	13.3	1.2	19
ASCA 06-G04(B)	6	G1/2	12	26	46.6	51	32	13.3	1.6	24
ASCA 08-G01(B)	8	G1/8	6	15.8	29	32	25.8	15	0.8	12
ASCA 08-G02(B)	8	G1/4	8.5	19.5	34.8	37.5	28.9	15	1.2	14
ASCA 08-G03(B)	8	G3/8	10	21.3	40.8	43.5	29.8	15	1.2	19
ASCA 08-G04(B)	8	G1/2	12	26	46.6	51	32.8	15	1.6	24
ASCA 10-G01(B)	10	G1/8	6	17.5	29	32	30.3	19	0.8	12
ASCA 10-G02(B)	10	G1/4	8.5	21.2	34.8	37.5	32.7	19	1.2	14
ASCA 10-G02(B)	10	G3/8	10	23.2	40.8	43.5	33	19	1.2	19
ASCA 10-G04(B)	10	G1/2	12	26.2	46.6	51	36	19	1.6	24
ASCA 12-G02(B)	12	G1/4	8.5	22.5	34.8	37.5	33.5	21.5	1.2	14
ASCA 12-G03(B)	12	G3/8	10	24.5	40.8	43.5	35.5	21.5	1.2	19
ASCA 12-G04(B)	12	G1/2	12	27.5	46.6	51	36.5	21.5	1.6	24

Return Catalog

Sensor

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series



D-Z73



D-A73



CMSH

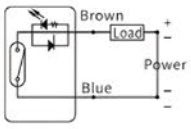
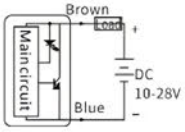
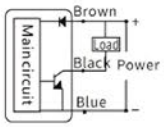
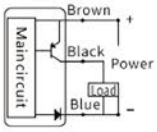


D-M9N

Ordering Code

Sensor	07	D	200	□
Series	Specification	Output	Wiring Method	Special Code
	01	R(Magneticreed two-wire)	015(0.15m)	Blank (Normal)
	07	D(Electronic two-wire)	100(1m)	L(Right angle)
	11	N(NPN electronic three-wire)	200(2m)	T (Drag chain)
	21	P(PNP electronic three-wire)	300(3m)	W (Waterproof)
	30		QD015(M8 two-wire)	V (High temp)
			QD015(M8 three-wire)	B(Normal close)
			EQD015(M8 European three-wire)	F(Anticorrosive)

Specification

Series	R	D	N	P
Wiring Diagram / Characteristic				
Wiring Mode	Two-wire		Three-wire	
Switching Logic	SPST Normallyopen	Solid state output.Normallyopen		
Switch Type	Reed switch	Solid state	Current sinking	Current Sourcing
Operating Voltage	5-240V DC/AC	10-28V DC	5-30VDC	
Max.Switching Current	100mAmax	4-40mAmax	200mA max	
Switching Range	10W max	1.5W max	6W max	
Current Consumption	-		8mA @24V DC max	
Internal Voltage Drop	3.0V max		1.5V max	
Leakage Current	-	1mA max	0.01mA max	
Indicator	Red LED		Red LED	Green LED
Cable	∮3.2 2C PVC		∮3.2 3C PVC	
Tenperature Range	-10~70°C			
Enclosure Classification	IEC529IP67			

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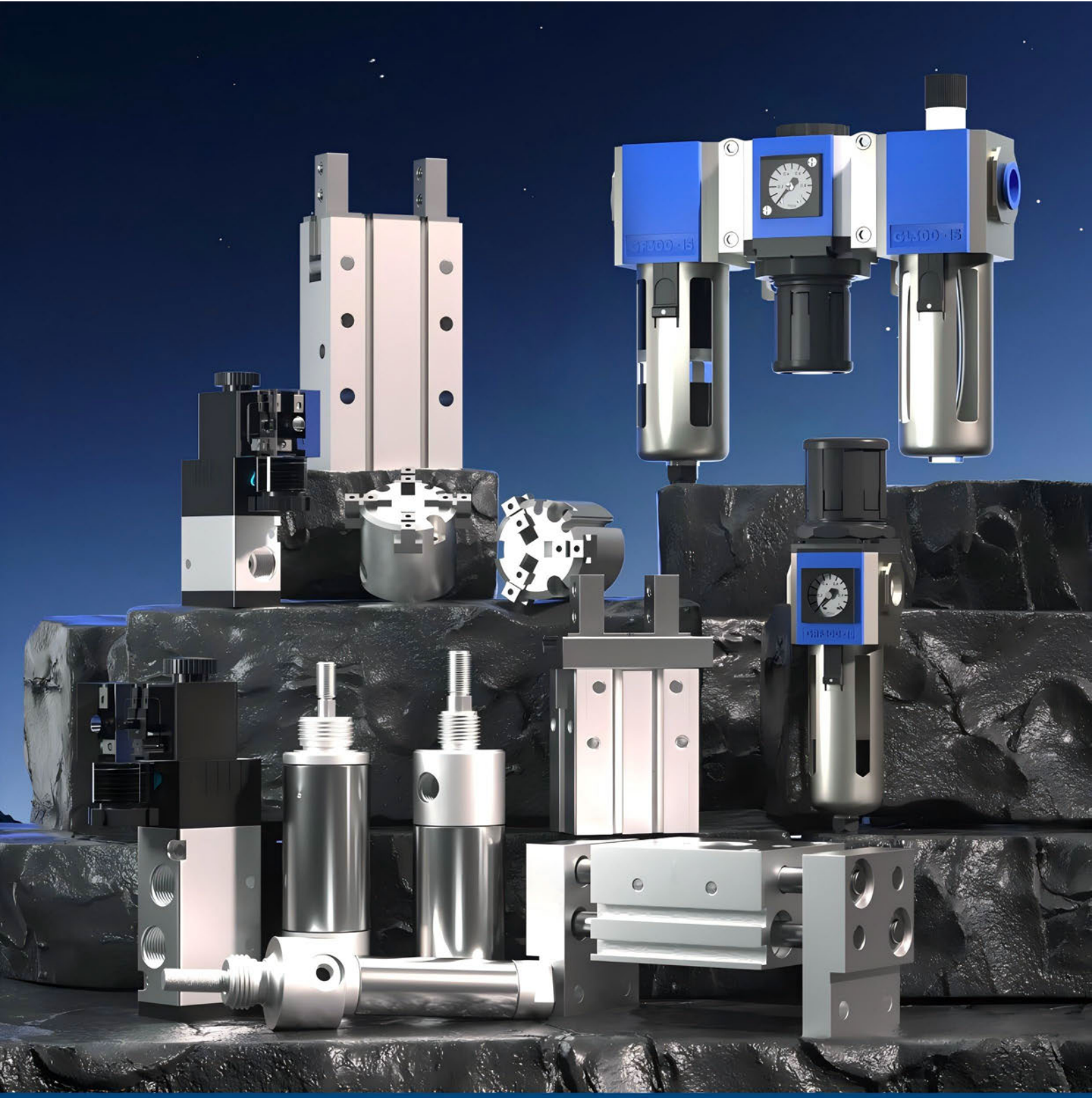
Sensor

VILOP PNEUMATIC CO.,LTD
Cylinder series/Gas source series/Valve series/Other series

Code Specification

Sensor Model		VEL-01	VEL-01	VEL-11	VEL-21	VEL-30	Accessories
Cylinder / Cylinder Groove Diagram					Need Install Accessories		
SI	All serires	All serires				●	
SQ/DNT	All serires	All serires				●	
SQ	125	125			●		PMA12
	160	160			●		PMA16
	200	200			●		PMA16
	250	250			●		PI5
	320	320			●		PI7
SC	32	32			●		PMA6
	40	40			●		PMA6
	50	50			●		PMA6
	63	63			●		PMA8
	80	80			●		PMA10
	100	100			●		PMA10
	125	125			●		PMA12
SU	32	32			●		PI2
	40	40			●		PI2
	50	50			●		PI2
	63	63			●		PI3
	80	80			●		PI4
	100	100			●		PI4
	125	125			●		PI5
DN/DSN	8	●					SKB-8
	10	●					SKB-10
	12	●					SKB-12
	16	●					SKB-16
	20	●					SKB-20
	25	●					SKB-25
	32	●					SKB-32
	40	●					SKB-40
MA/MAC	12	●					SKB-12
	16	●					SKB-16
	20	●					SKB-20
	25	●					SKB-25
	32	●					SKB-32
	40	●					SKB-40
MAL/MALC	16	●					SKL-16
	20	●					SKL-20
	25	●					SKL-25
	32	●					SKL-32
	40						SKL-40
SDA	12			●			
	16	●		●			
	20	●		●			
	25	●		●			
	32	●		●			
	40	●		●			
	50	●		●			
	63	●		●			
	80	●		●			
	100	●		●			
CQ2/TCQ2	All series		●				
ADN/TADN	All series					●	
TN	All series			●			
VGP	All series		●				
VXH	All series		●				
VXQ	All series		●				
VXS	All series		●				
VHF2	All series		●				
VHL2	All series		●				
VHY2	All series		●				
VHZ2	All series		●				
VHC2	All series		●				

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