sales@vilop.us

Xingye Avenue No.1, East 3rd Road
Panyu, GZ, GD China

+86-186 2010 7348

Vilop Pneumatic Co., ltd

Vilop is a professional manufacturer and exporter that is concerned with the design, development and production of pneumatic products. The company started in 2014 with one engineer, one computer one machine. Got invested by the first client in the end of 2014. Now, we have over 50 employees, boast an annual sales figure that exceeds $3,000,000 and currently export 85% of our production worldwide.

Aim to free hands, save labor, and achieve high efficient automation, Vilop is chasing better quality, better function, better future.

Contact us, let's get your machines automatic.

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Catelog

click the "model" will be on the model page

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AL 115
Fittings 116
A SERIES 148
USA-Standard cylinder

ISO9001:2008 CE

DNC Series
Standard Cylinder
(Conforms to ISO15552 Standard)


DNC50×150-CA


DNC80×50-FA


DNCD80×50


DNC63×150

Ordering Code

DNC	- D	- 50 x 50	- 10	- S	- LB	- MT
Series	Series Code	Bore	Stroke	Adjustable Stroke	Magnet	Mountings	Sensor
DNC: ISO 15552 Standard cylinder 	Blank: Standard double acting	32		10: 10mm	S: With magnet	Blank: Basic mountings	JEL-30R type 
	D: Double-shaft double acting 	40		20: 20mm	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: 30mm		FA: Front mounting flange FB: Back mounting flange 	
		63		50: 50mm		CA: Back clevis (Single earring) 	
		80		75: 75mm		CB: Back hinge (Double earring) 	
		100		100: 100mm		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/cm^2						
Proof Pressure	13.5 Kgf/cm^2						
Operating Temperature Range	-20 ~ 70℃						
Operating Speed Range	50 ~ 800mm/s						
Cushion	Adjustable Cushion						
Adjustable Cushion Stroke	20 mm				26 mm		
Port Size	G1/8"	G1/4"		G3/8"		G1/2"	

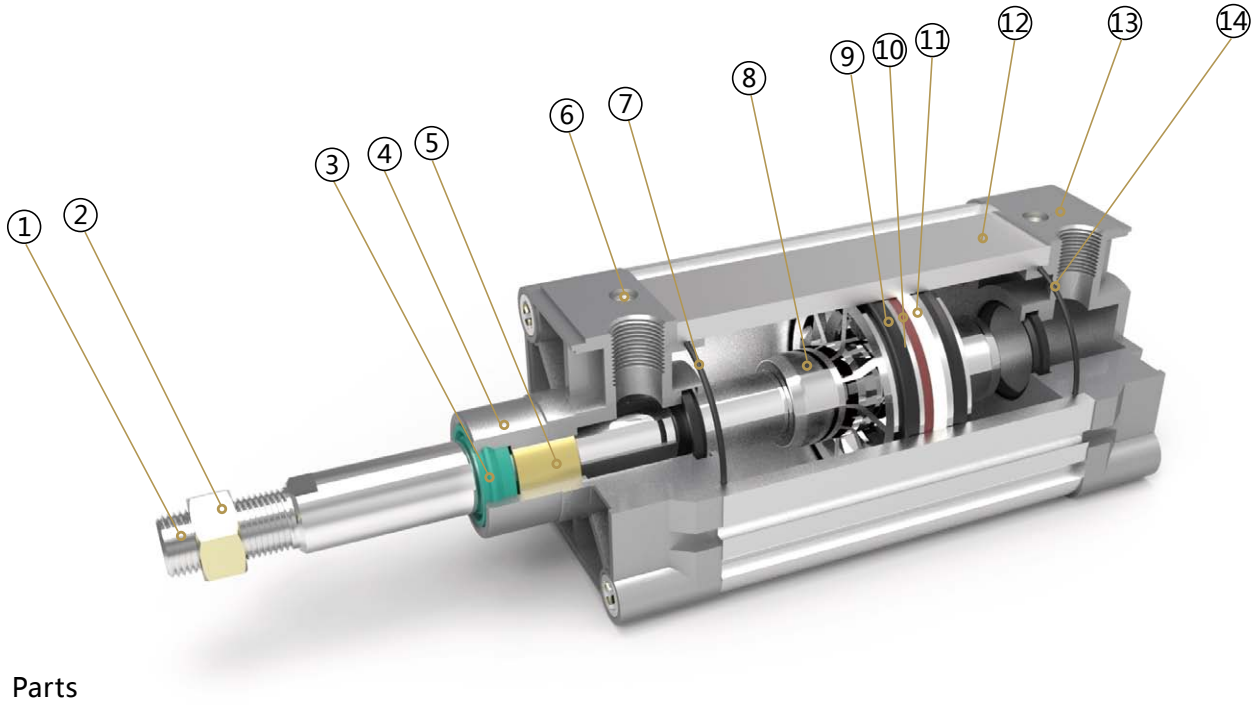
DNC Series
Standard Cylinder
(Conforms to ISO15552 Standard)

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

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

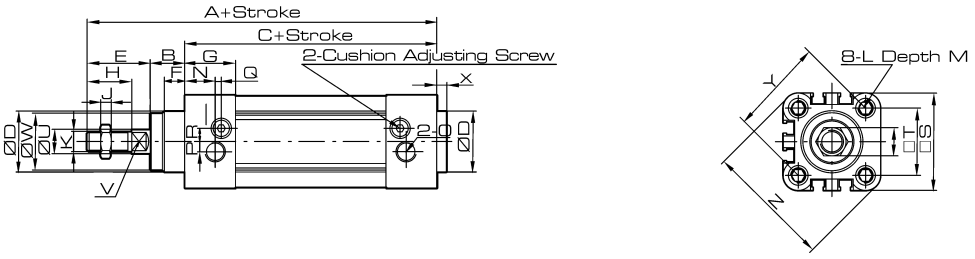


Parts

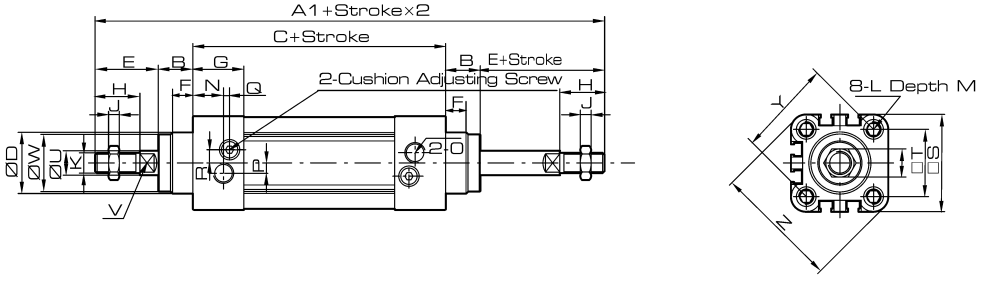
Number	Name	Number	Name
1	Piston rod	8	Piston
2	Hexagon nut	9	Y ring
3	Shaft seal	10	Magnet
4	Front cover	11	Anti-friction ring
5	Copper tube	12	Barrel
6	Cushion adjust screw	13	Back cover
7	Cushion seal	14	O ring

Overall Dimension

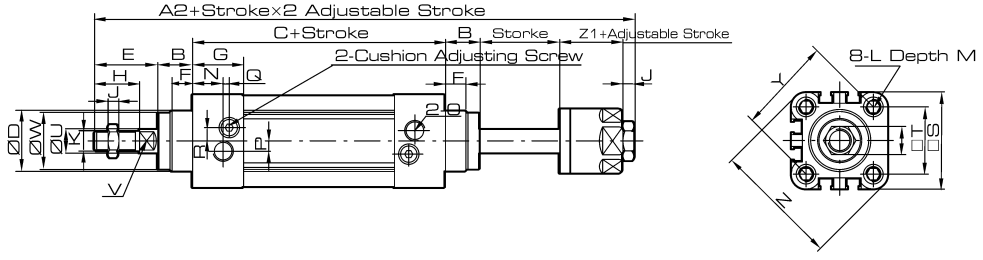
DNC



DNCD



DNCJ



Dimension

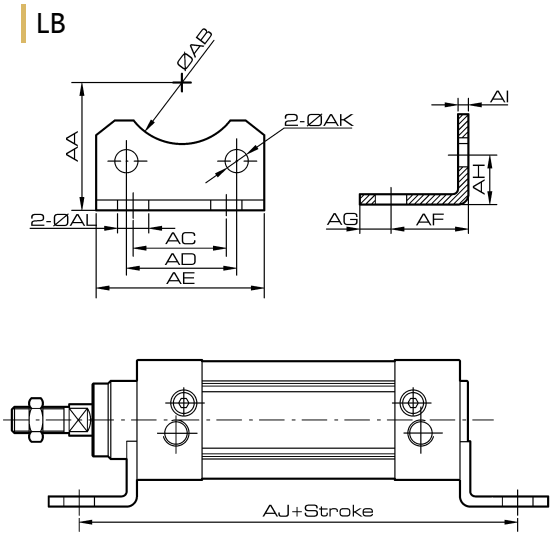
Bore/ Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	16	94	30	33	10	25	22	17	6	M10x1.25	M6
40	159	213	207	20	105	35	34	10	29.5	24	17	7	M12x1.25	M6
50	175	244	233	27	106	40	42.5	10	32	32	23	8	M16x1.5	M8
63	190	258	247	26	122	45	42	10	36	32	23	8	M16x1.5	M8
80	214	301	288	35	126	45	53	10	37	40	26	10	M20x1.5	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	M20x1.5	M10
125	277	394	378	46	160	60	71	10	43.5	54	40	10	M27x2	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

LB Foot

Overall Dimension

LB



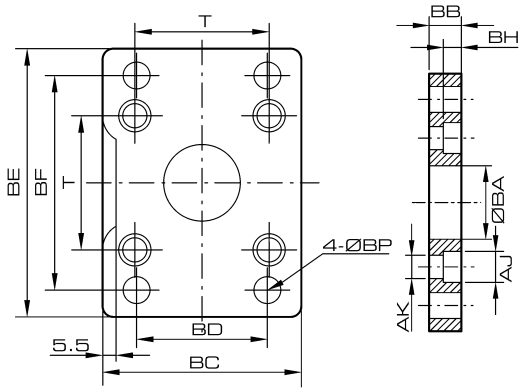
Dimension

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

FA、FB

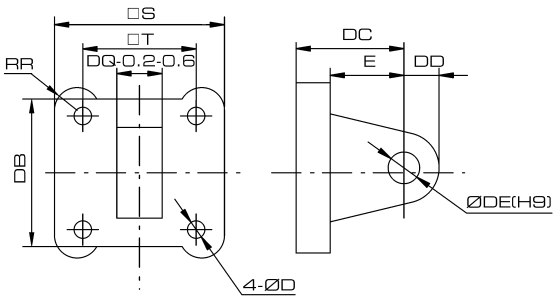


Bore/Symbol	32	40	50	63	80	100	125
BA	30.3	35.3	40.3	45.3	45.3	55.3	60.3
BB	10	10	12	12	16	16	20
BC	45	52	65	76	94	112	140
BD	32	36	45	50	63	75	90
BE	80	90	110	120	150	175	224
BF	64	72	90	100	126	150	180
BH	6.5	6.5	8.5	8.5	10.5	10.5	15
AJ	10.5	10.5	13.5	13.5	16.5	16.5	19
AK	6.5	6.5	8.5	8.5	10.5	10.5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

CA Hinge

Overall Dimension

CA

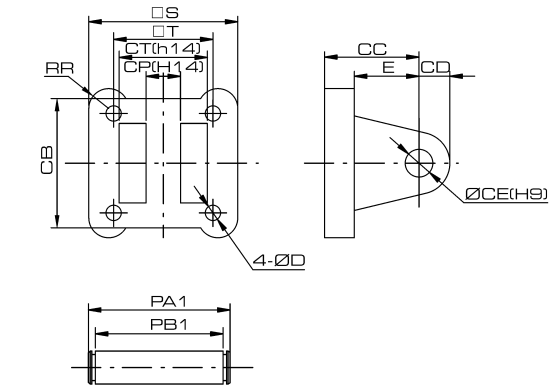


Dimension

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

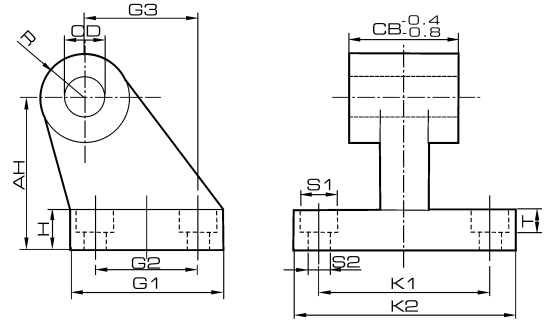
CB



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

YB



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

DNV Series
Economical Cylinder (Conforms to ISO15552 Standard)

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



Features

Economical DNV series cylinder features with the same installation dimension as SI series, conforms to ISO15552 standard. New design of profile and structure, compact and energy saving.

Ordering Code

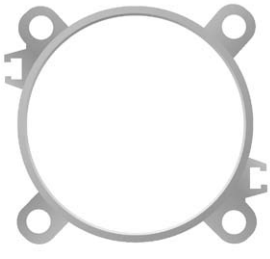
DNV	-	63	x	50	-	10	-	S	-	LB	-	MT
Series		Bore		Stroke		Adjustable Stroke		Magnet		Mountings		Sensor
DNV: Economical standard cylinder 		32		25-1000 mm		10: 10mm		S: With magnet		Blank: Basic mounting		JEL-30R type 
DNVD: Double-shaft 		40				20: 20mm		Blank: Without magnet		LB: Front and back mounting 		* Standard wire is 1 meter, please order for other length
DNVJ: Double-shaft with adjustable stroke 		50				30: 30mm				FA: Front mounting flange FB: Back mounting flange 		
		63				50: 50mm				CA: Back clevis (single earring) 		
		80				75: 75mm				CB: Back hinge (double earring) 		
		100				100: 100mm				YB: Back hinge 		
		125										

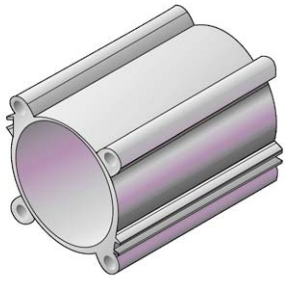
※ Please contact with VILOP for special requirements.
※ All DNV series with magnetic.

Installational Dimension

All the dimension of DNV series are the same as SI series. Please consult SI series for accessories and sensor switch for applications.

Barrel of DNV Cylinder

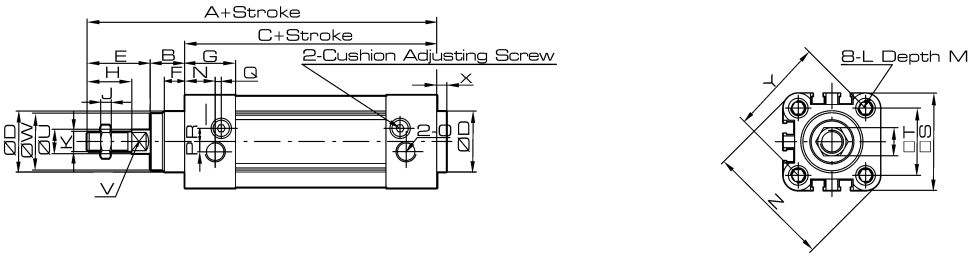




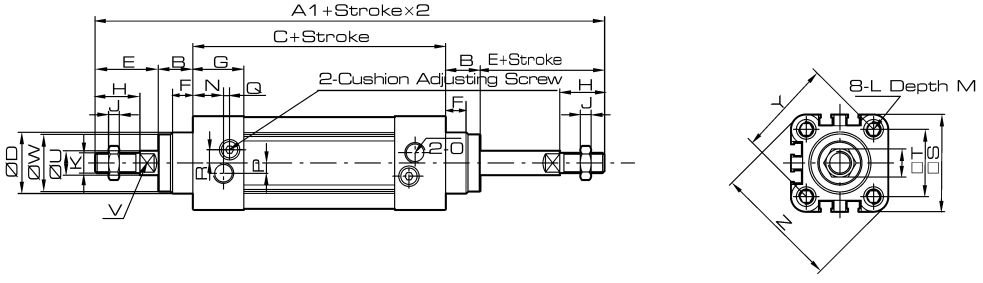
DNV Series
Standard Cylinder
(Conforms to ISO15552 Standard)

Overall Dimension

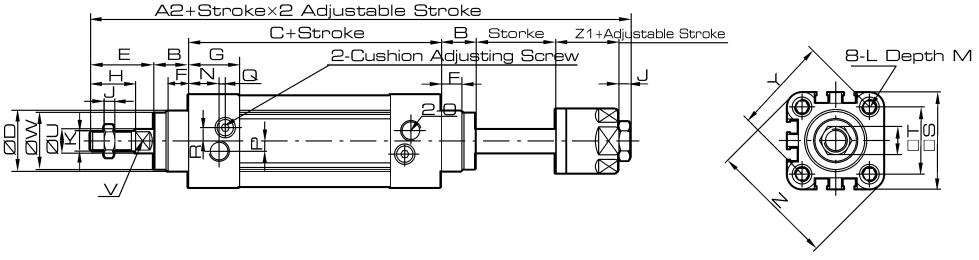
DNV



DNVD



DNVJ



Dimension

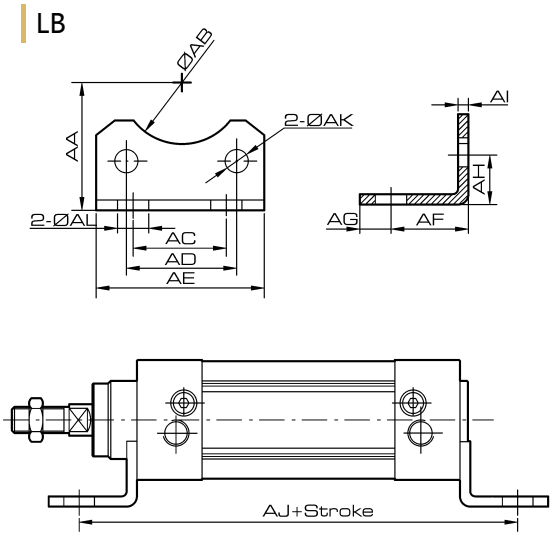
Bore/ Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	16	94	30	33	10	25	22	17	6	M10x1.25	M6
40	159	213	207	20	105	35	34	10	29.5	24	17	7	M12x1.25	M6
50	175	244	233	27	106	40	42.5	10	32	32	23	8	M16x1.5	M8
63	190	258	247	26	122	45	42	10	36	32	23	8	M16x1.5	M8
80	214	301	288	35	126	45	53	10	37	40	26	10	M20x1.5	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	M20x1.5	M10
125	277	394	378	46	160	60	71	10	43.5	54	40	10	M27x2	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

LB Foot

Overall Dimension

LB



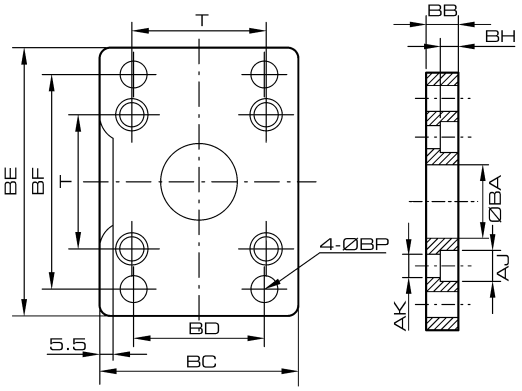
Dimension

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

FA、FB

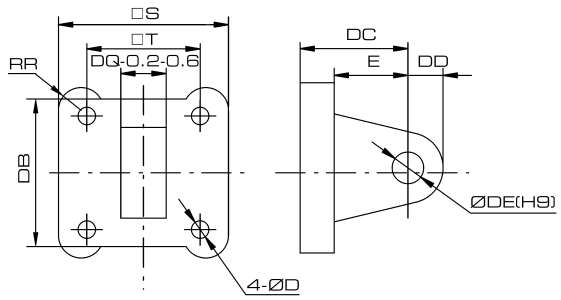


Bore/Symbol	32	40	50	63	80	100	125
BA	30.3	35.3	40.3	45.3	45.3	55.3	60.3
BB	10	10	12	12	16	16	20
BC	45	52	65	76	94	112	140
BD	32	36	45	50	63	75	90
BE	80	90	110	120	150	175	224
BF	64	72	90	100	126	150	180
BH	6.5	6.5	8.5	8.5	10.5	10.5	15
AJ	10.5	10.5	13.5	13.5	16.5	16.5	19
AK	6.5	6.5	8.5	8.5	10.5	10.5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

CA Hinge

Overall Dimension

CA

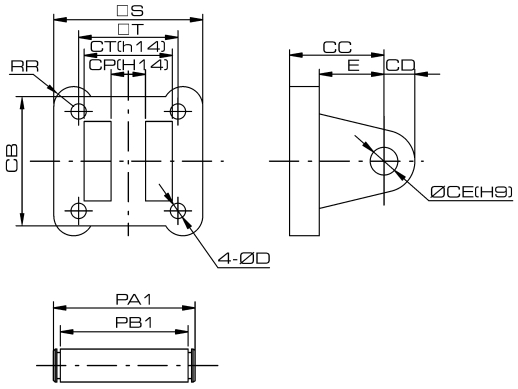


Dimension

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

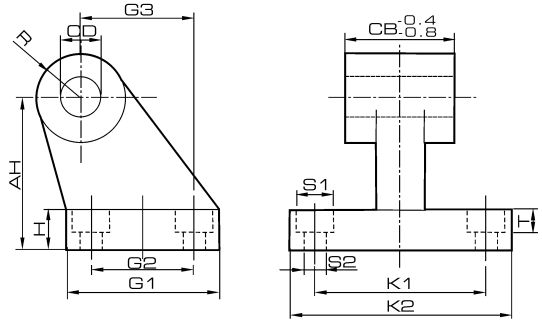
CB



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

YB



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

ISO9001:2008 CE

ADN Series
New Compact Cylinder (Conforms to ISO21287 Standard)



ADN32x30-S



ADN40x30-S



ADN50x30-S

Features

1. ADN series compact cylinder accord with ISO21287 standard.
2. ADN series cylinder with compact structure, derived lots of variety types, and wide range of applications.
3. Both end use rubber gasket to absorb the remaining energy of the high speed movement and the machine cycle.
4. Every ammsebly way has large number of accessories, so it is very sample.

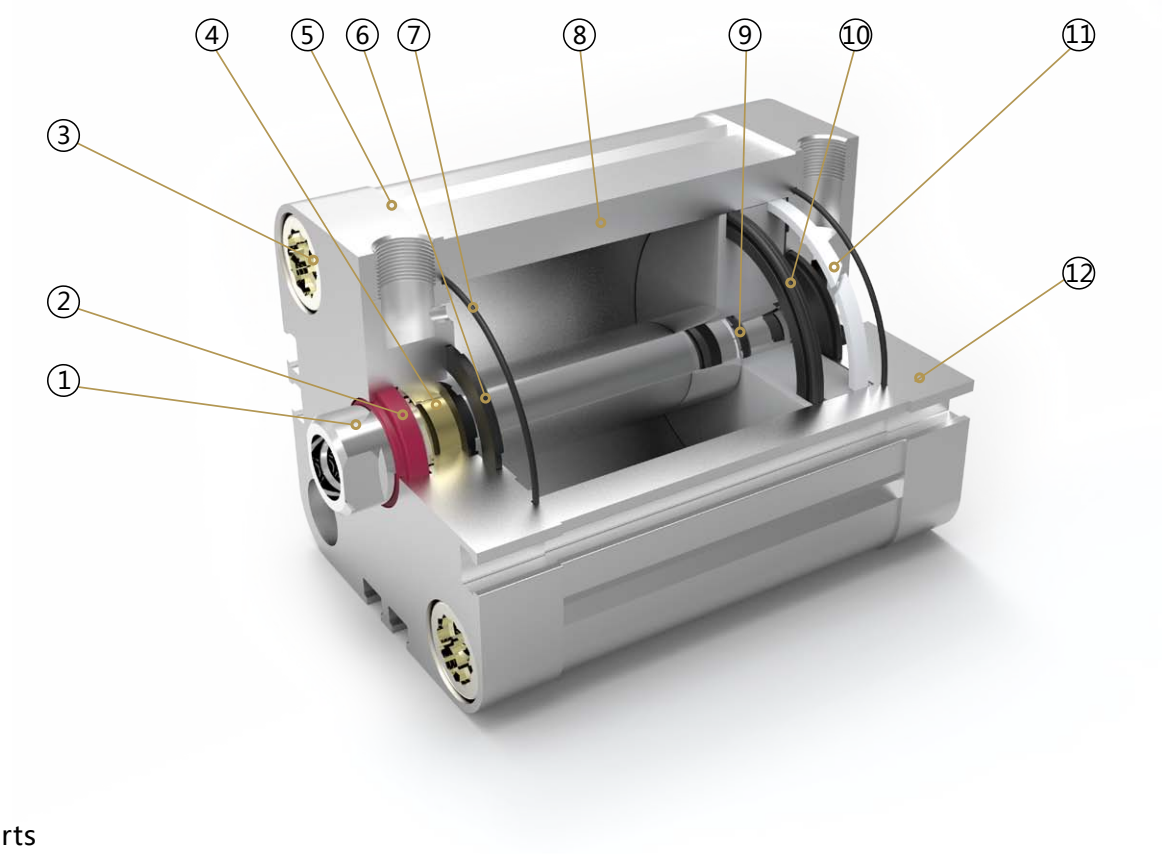
Ordering Code

ADN	-	25	x	30	-	10	-	S	-	B	-	LB	-	MT
Series		Bore		Stroke		Adjustable Stroke		Magnet		Thread Type		Mountings		Sensor
ADN: Double acting 		20		5-200mm		10: 10mm		S: With magnet		Blank: Female thread 		Blank: Basic mountings		D-Z73
ADND: Double-shaft type 		25				20: 20mm		Blank: Without magnet		B: Male thread 		LB: Front and back mounting 		* Standard wire is 1 meter, please order for other length
ADNJ: Double-shaft with adjustable stroke 		32				30: 30mm						FA: Front mounting flange FB: Back mounting flange 		
		40				50: 50mm						CA: Back clevis (Single earring) 		
		50				75: 75mm						CB: Back hinge (Double earring) 		
		63				100: 100mm						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℃							
Operating Speed Range	30 ~ 500mm/s							
Port Size	M5x0.8		G1/8"					

Internal Structure



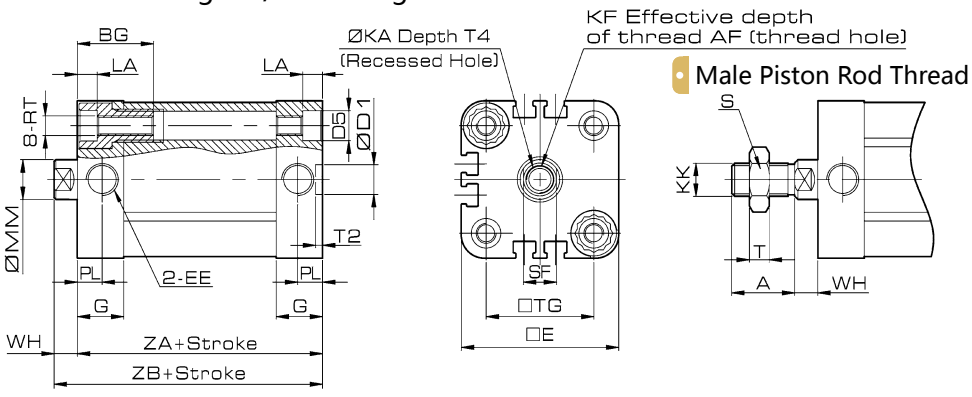
Parts

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

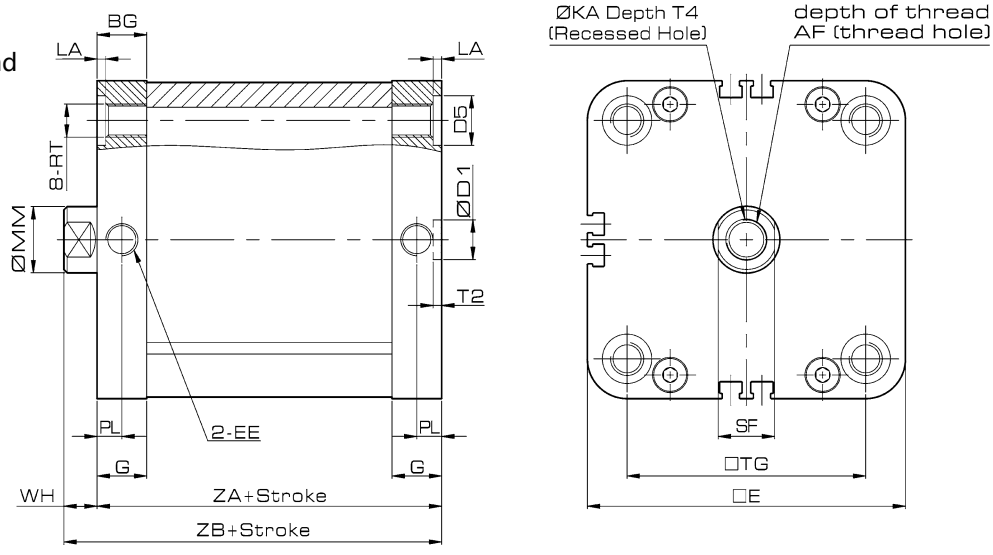
Overall Dimension

ADN Ø20~Ø100 Without magnet / With magnet

Standard female thread Ø20~Ø63



Standard female thread Ø80~Ø100



Dimension

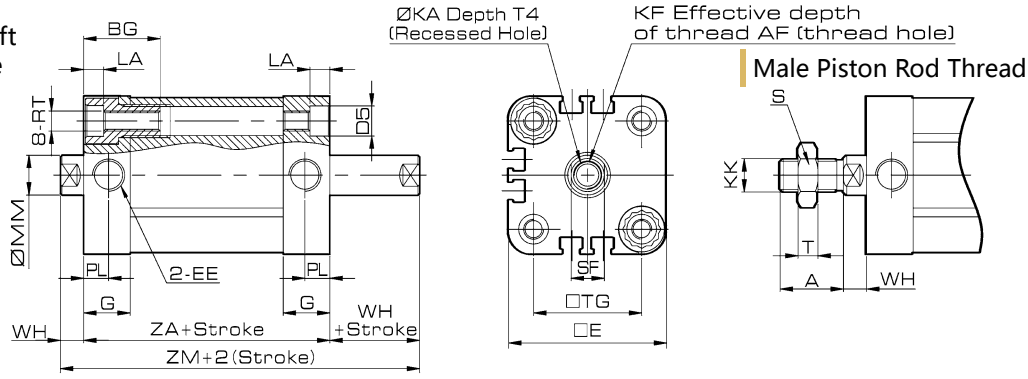
Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D1	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25							40		11				
32		19	16	16			47.5	G1/8	14	8.5	M8×1.25	M10×1.25	
40							55						
50		22	20		12	12	66			10.5	M10×1.5	M12×1.25	
63							78.3						
80		28		17		-	96		15	12.5	M12×1.75	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		45	52
50	16		M8×1.25		13	7	2.6	4.7	46.5	8		53
63									56.5		49	57
80	20		M10×1.5	23	17	8		6.1	72	10	54	64
100									89		67	77

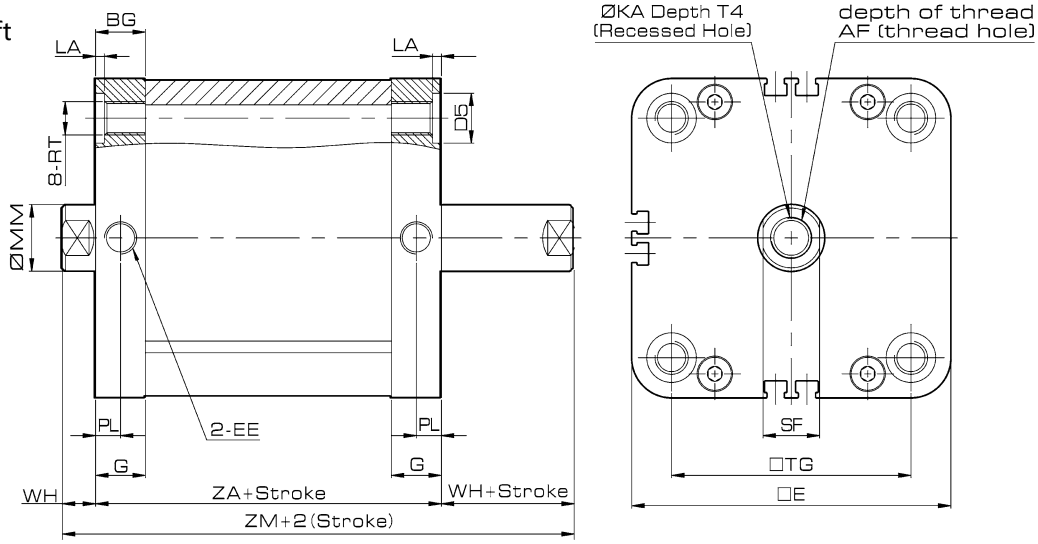
Overall Dimension

ADND Ø20~Ø100 Without magnet / With magnet

Double shaft with female thread Ø20~Ø63



Double shaft with female thread Ø80~Ø100



Dimension

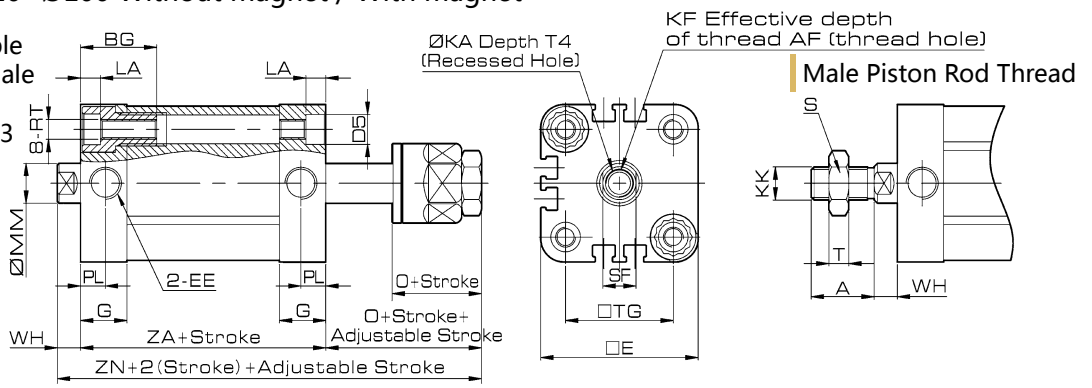
Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25						40		11				
32		19	16	16		47.5	G1/8	14	8.5	M8×1.25	M10×1.25	
40						55						
50		22	20		12	66			10.5	M10×1.5	M12×1.25	
63						78.3						
80		28		17	-	96		15	12.5	M12×1.75	M16×1.5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

Bore/Symbol	MM	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	58
40								38		45	59
50	16		M8×1.25		13	7	4.7	46.5	8		61
63								56.5		49	65
80	20		M10×1.5	23	17	8	6.1	72	10	54	74
100								89		67	87

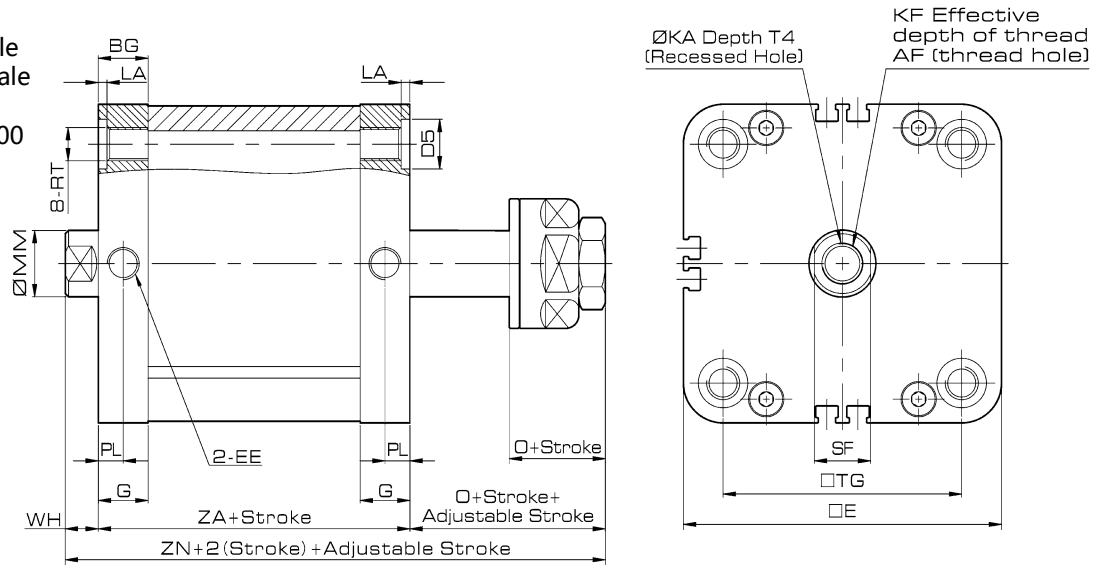
Overall Dimension

ADNJ Ø20~Ø100 Without magnet / With magnet

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

TADN Series
Guide Cylinder

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





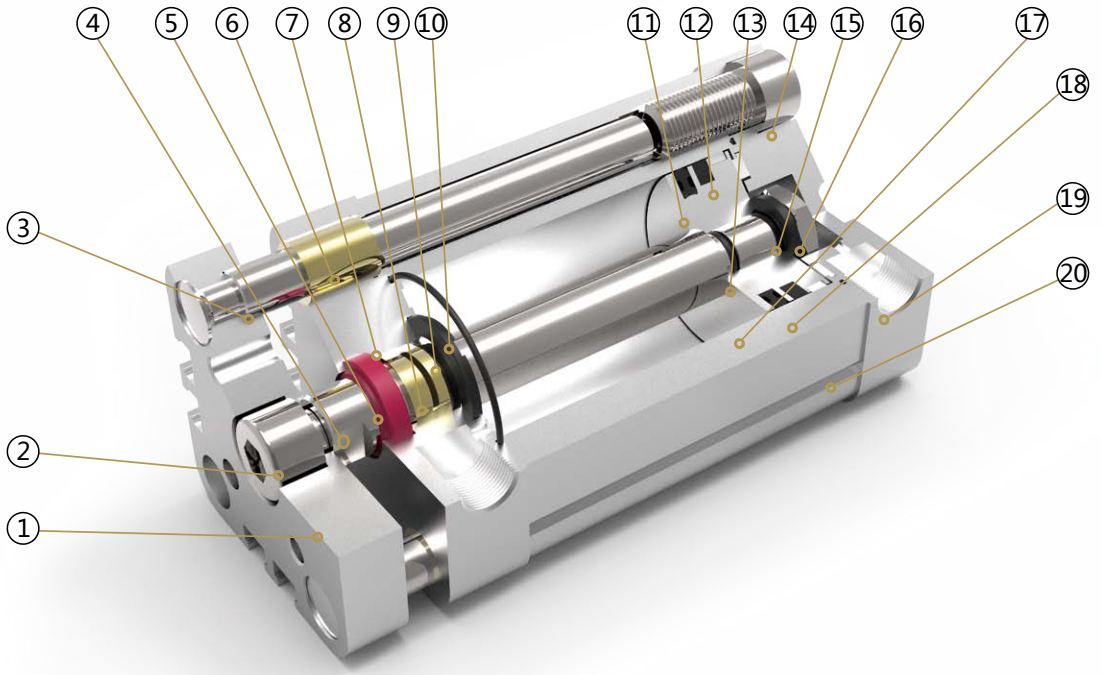
Ordering Code

TADN	-	25	x	30	-	S	-	MT
Series		Bore		Stroke		Magnet		Sensor
TADN : Double acting type guide		20 25 32 40 50 63 80 100				Blank: Without magnet S: With magnet		D-Z73 * Standard wire is 1 meter, please order for other length

Specification

Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Standard Stroke	5 ~ 100mm							
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							

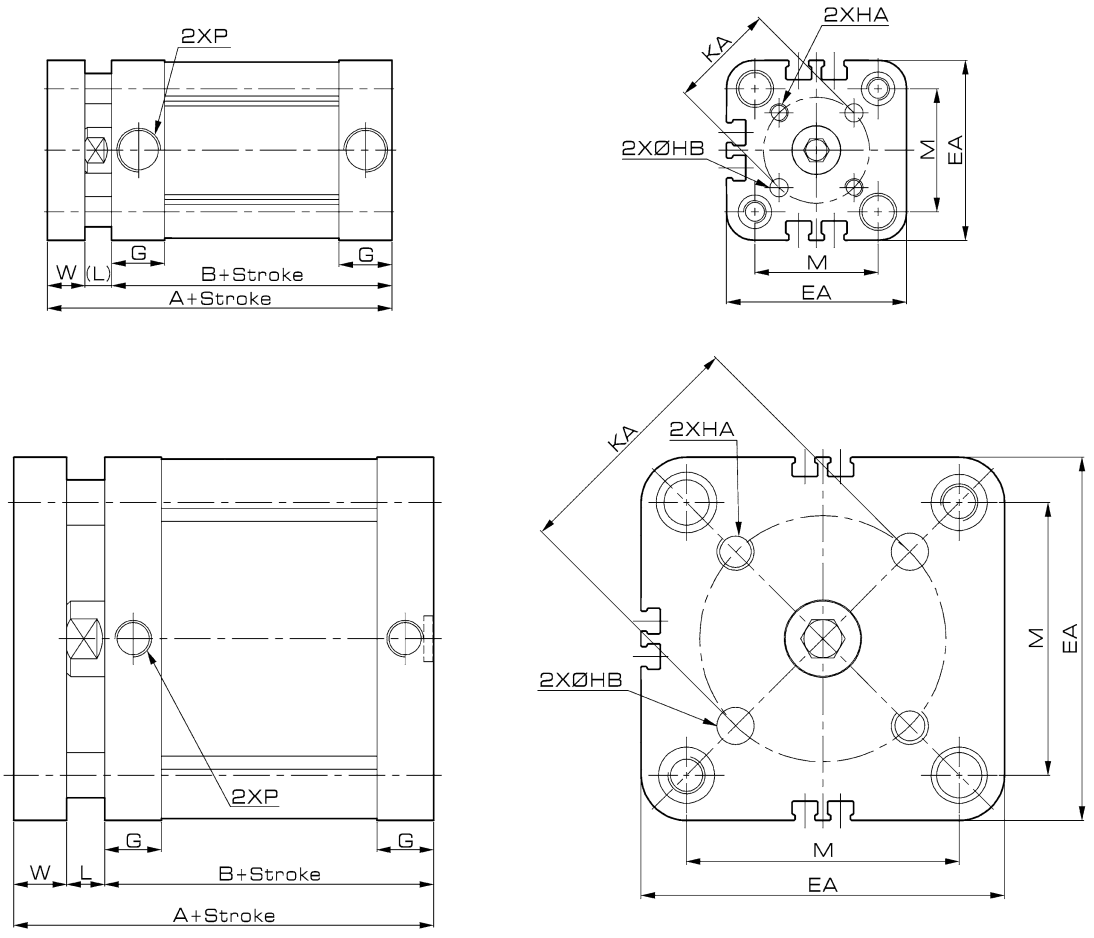
Internal Structure



Parts

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	Bearing	18	Magnet
9	Anti-collision gasket	19	Back cover
10	O ring	20	Barrel

Overall Dimension



Dimension

Bore Symbol	Stroke Range (mm)	With magnet					EA	M	HA	HB	KA	L	W
		A	B	P									
				—	IN	TF							
20	5-100	51	37	M5X0.8			36	22	M4X0.7	$4^{+0.2}_{0}$	17±0.02	6	8
25	5-100	53	39	M5X0.8			40	26	M5X0.8	$5^{+0.2}_{0}$	22±0.02	6	8
32	5-100	61	44	G1/8	PT1/8	NPT1/8	47.5	32.5	M5X0.8	$5^{+0.2}_{0}$	28±0.02	7	10
40	5-100	62	45	G1/8	PT1/8	NPT1/8	55	38	M5X0.8	$5^{+0.2}_{0}$	33±0.02	7	10
50	5-100	65	45	G1/8	PT1/8	NPT1/8	66	46.5	M6X1.0	$6^{+0.2}_{0}$	42±0.02	8	12
63	5-100	69	49	G1/8	PT1/8	NPT1/8	78.3	56.5	M6X1.0	$6^{+0.2}_{0}$	50±0.02	8	12
80	5-100	78	54	G1/8	PT1/8	NPT1/8	96	72	M8X1.25	$8^{+0.2}_{0}$	65±0.02	10	14
100	5-100	91	67	G1/8	PT1/8	NPT1/8	116	89	M10X1.5	$10^{+0.2}_{0}$	80±0.02	10	14

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

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

Features

1. Improving for adapting wide range applications, using precisepolishing of piston rod, more sense of products quality and longer life of front seal.
2. Optima design and improve the production efficiency.
3. Combined with enterprise color planning and new structure design,stainless steel series cylinder integrated as the semicircular groove cramping.
4. Using embedded gasket, increase the pressured area of pistons after collision.



DN25X75

Ordering Code

DN	- U	- 32 X	50	- 25	- S	- E	- LB	- MT
Specification	Back Form	Bore	Stroke	Adjustable stroke	Magnet	Piston rod Material	Mountings	Sensor
DN : Double Acting	Blank:Standard with eye mounting	8			S: With magnet	Blank : Carbon steel	Blank: Basic mountings	JEL-03R
DS : Single acting, Spring-out	CM:Standard with round back cover	10			Blank: Without magnet	E : Stainless steel	LB: Front and back mounting	
DT : Single acting, Spring-in	U:Standard with flat back cover	12					FA: Front mounting flange	
DND : Double-shaft		16					FB: Back mounting flange	
DNJ : Double-shaft with adjustable stroke		20					SDB: Back hinge	
		25						
		32						
		40						

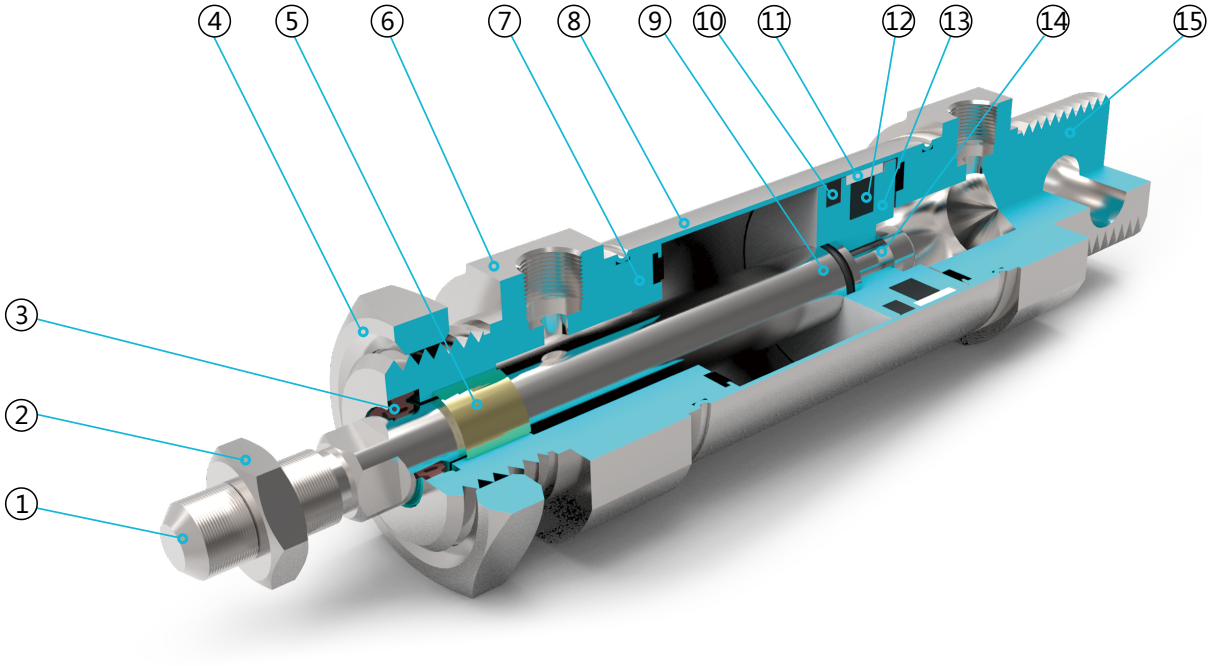
Specification

Bore(mm)	08	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℃							
Operating Speed Range	50 ~ 800mm/s							
Cushion	Gasket Cushion							
Port Size	M5x0.8			G1/8"				

CE
ISO9001:2008

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

Internal Structure



Parts

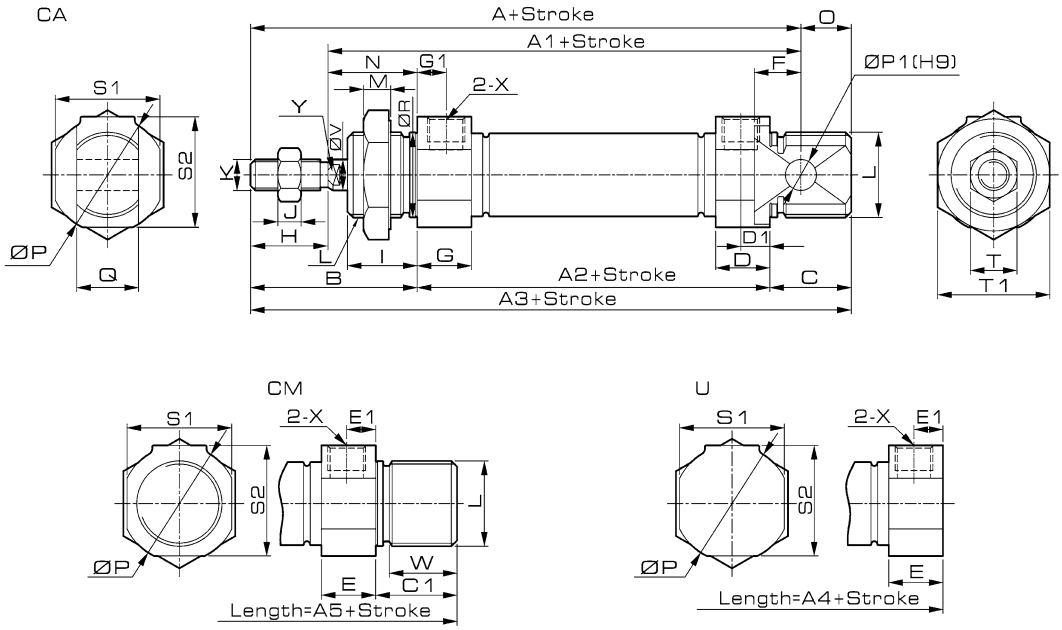
Number	Name	Number	Name
1	Piston rod	9	O ring
2	Hexagon nut	10	Piston seal
3	Shaft seal	11	Anti-friction seal
4	Hexagon nut	12	Magnet
5	DU bearing	13	Piston
6	Front cover	14	Socket head cap screw
7	Cushion adjusting screw	15	Back cover
8	Cushion		

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

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

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	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

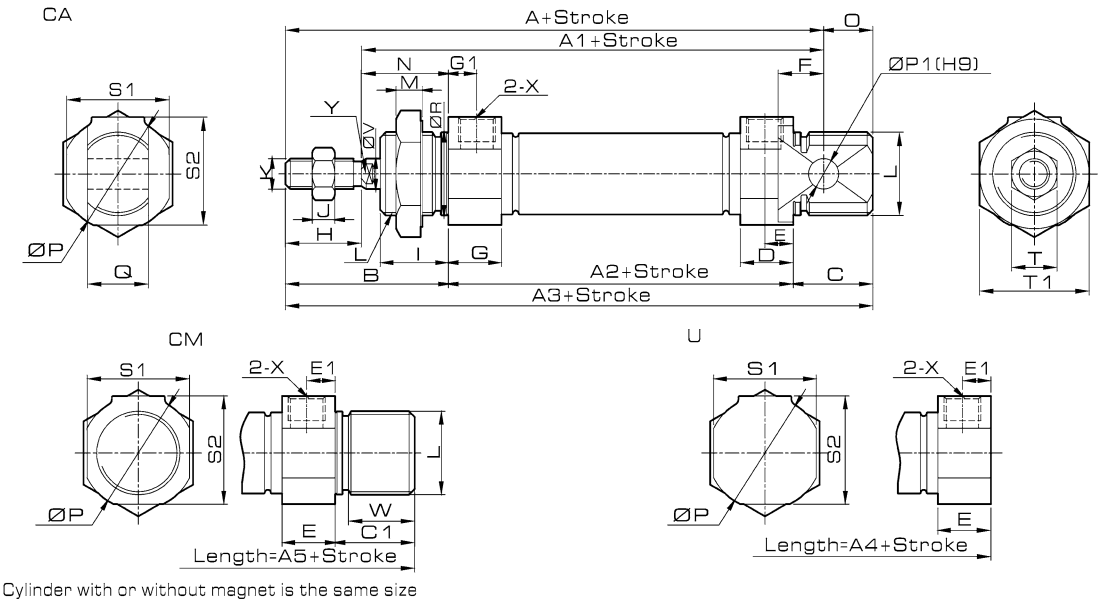
Bore Symbol	J	K	L	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	5	M6×1	M16×1.5	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	5	M6×1	M16×1.5	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	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

CE
ISO9001:2008

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

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	M12×1.25
10	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.25
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	M14×1.5	M33×2

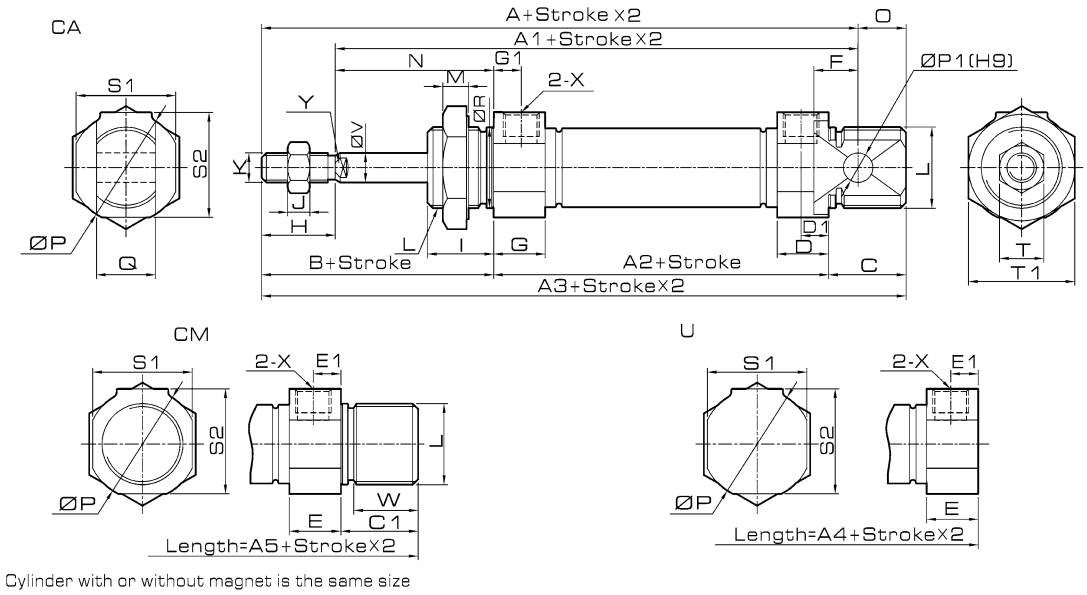
Bore Symbol	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	15.5	5
20	7	23	13	30	8	16	22	27	28.5	12	29	G1/8	8	17.5	6
25	7	28	11	30	8	16	22	27	28.5	17	29	G1/8	10	17.5	8
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

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

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

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	M12×1.25
10	28	12	12	10	5.5	10	5.5	6	10	5.5	12	12	6	M4×0.7	M12×1.25
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	M14×1.5	M33×2

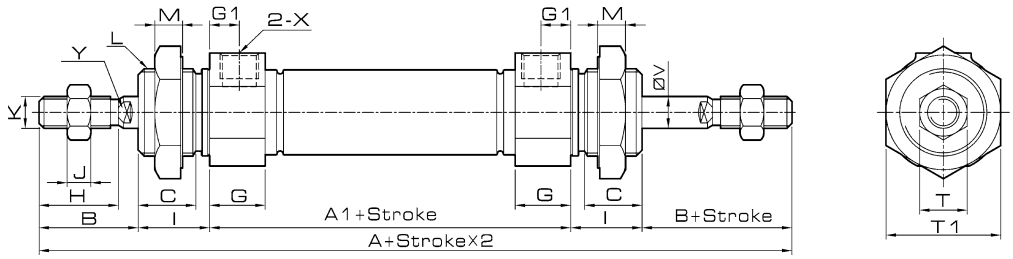
Bore Symbol	M	N	O	P	P1	Q	R	S1	S2	T	T1	X	V	W	Y
8	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
10	6	16	10	17	4	8	12	15	15	7	17	M5×0.8	4	9.3	-
12	6	22	14	21	6	12	16	19	19	10	24	M5×0.8	6	14	5
16	6	21	13	21	6	12	16	19	19	10	24	M5×0.8	6	15.5	5
20	7	23	13	30	8	16	22	27	28.5	12	29	G1/8	8	17.5	6
25	7	28	11	30	8	16	22	27	28.5	17	29	G1/8	10	17.5	8
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

CE
ISO9001:2008

DN Series
Stainless Steel Mini Cylinder
(ISO6432 Standard)

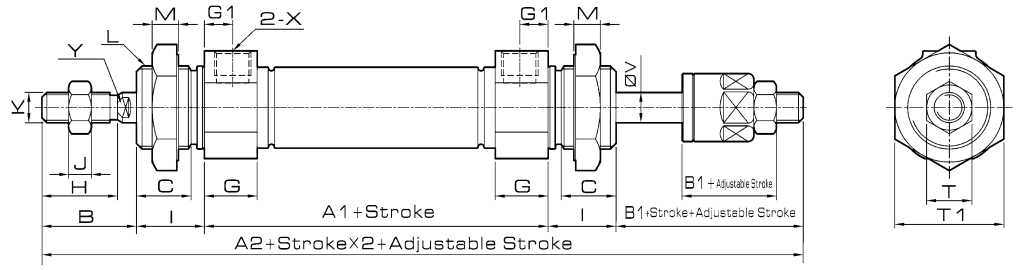
Overall Dimension

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	8	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

MA Series
Stainless Steel Mini Cylinder

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

Features

1. Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality and longer life of front seal.
2. Optima design and improve the production efficiency.
3. Combined with enterprise color planning and new structure design,stainless steel series cylinder integrated as the semicircular groove cramping.
4. Using embedded gasket , increase the pressured area of pistons after collision.



MA16X100

Ordering Code

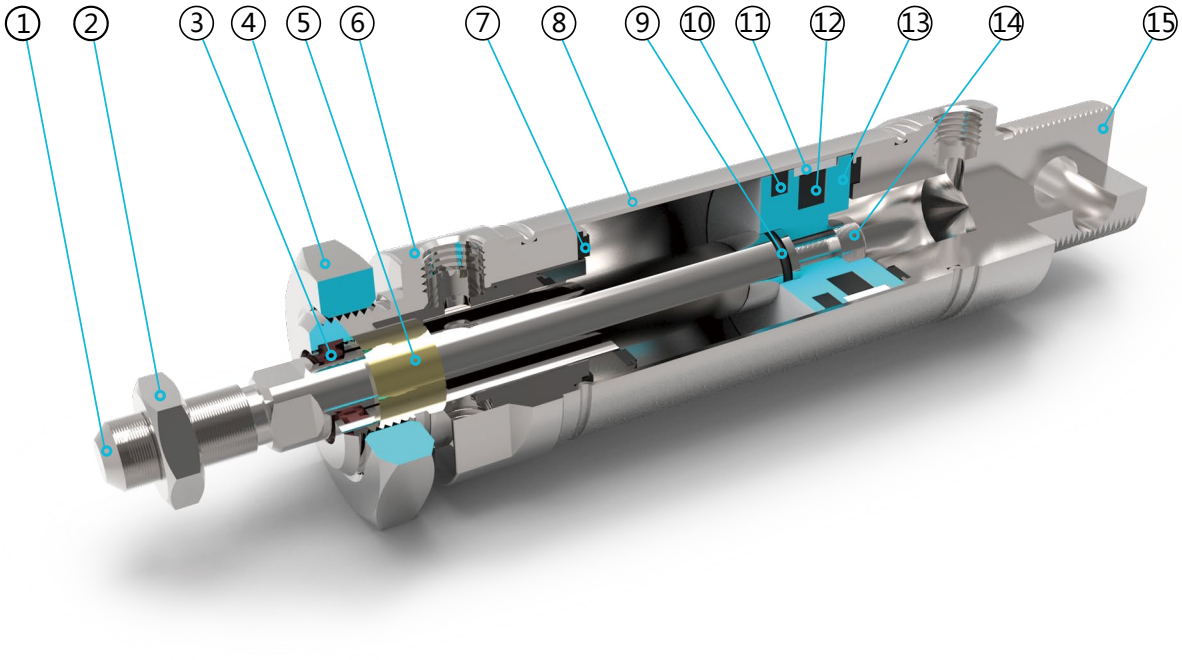
MA	-	U	-	32	x	50	-	25	-	S	-	E	-	LB	-	MT
Series		Back Form		Bore		Stroke		Adjustable stroke		Magnet		Piston rod Material		Mountings		Sensor
MA : Double Acting		Blank:Standard with eye mounting		12						S: With magnet		Blank: Carbon steel		Blank: Basic mountings		JEL-03R
MSA : Single Acting Spring-out		CM:Standard with round back cover		16						Blank: Without magnet		E: Stainless steel		LB: Front and back mounting		
MTA : Single Acting Spring-in		U:Standard with flat back cover		20										FA: Front mounting flange		
MAD : Double-shaft				25										FB: Back mounting flange		
MAJ : Double-shaft with adjustable stroke				32										SDB: Back hinge		
				40												

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℃					
Operating Speed Range	50～800mm/s					
Cushion	Gasket Cushion					
Port Size	M5×0.8		G1/8"			

MA Series
Stainless Steel Mini Cylinder

Internal Structure



Parts

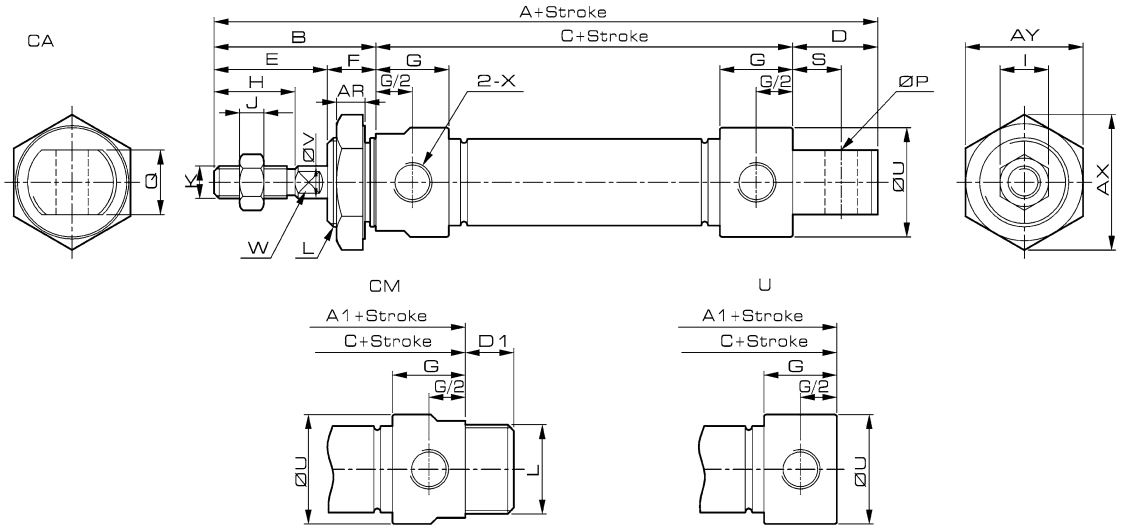
Number	Name	Number	Name
1	Piston rod	9	O ring
2	Hexagon nut	10	Piston seal
3	Shaft seal	11	Anti-friction seal
4	Hexagon nut	12	Magnet
5	DU bearing	13	Piston
6	Front cover	14	Socket head cap screw
7	Anti-collision gasket	15	Back cover
8	Barrel		

MA Series
Stainless Steel Mini Cylinder

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

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	M8×1.25
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

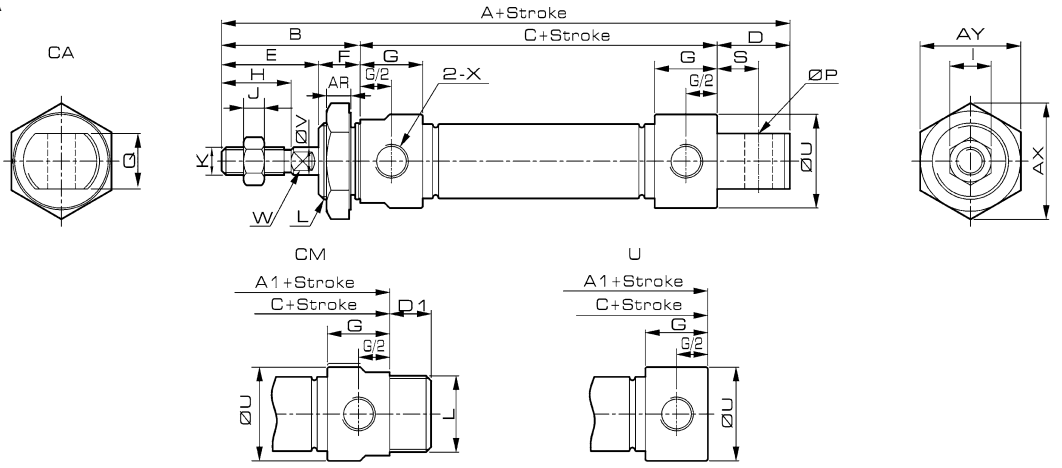
Bore/ Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	9	21	6	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	8.5
25	M22×1.5	8	16	12	30	10	8	G1/8	7	33.5	29	9.5
32	M24×2	10	16	15	35	12	10	G1/8	9	37	32	11.5
40	M30×2	12	20	15	42	16	14	G1/4	9	46	40	14

CE
ISO9001:2008

MA Series
Stainless Steel Mini Cylinder

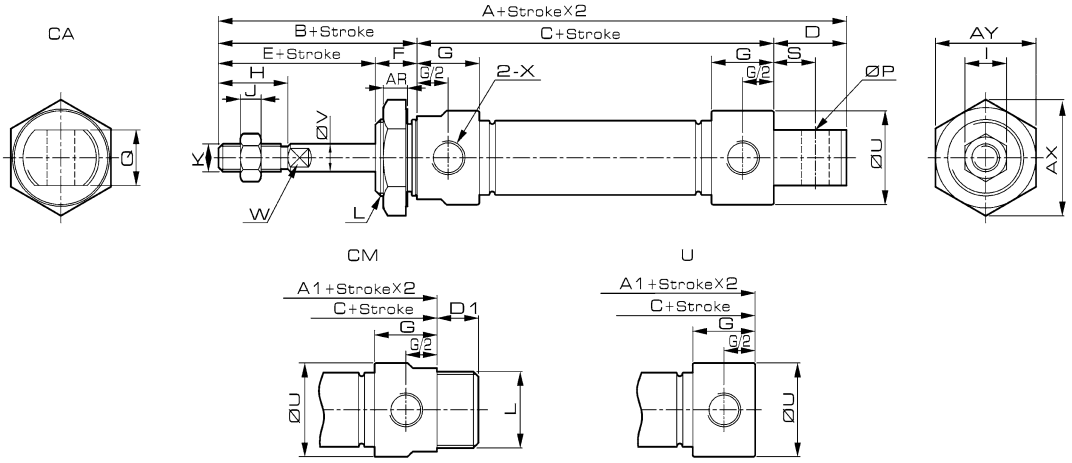
Overall Dimension

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	E	F	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

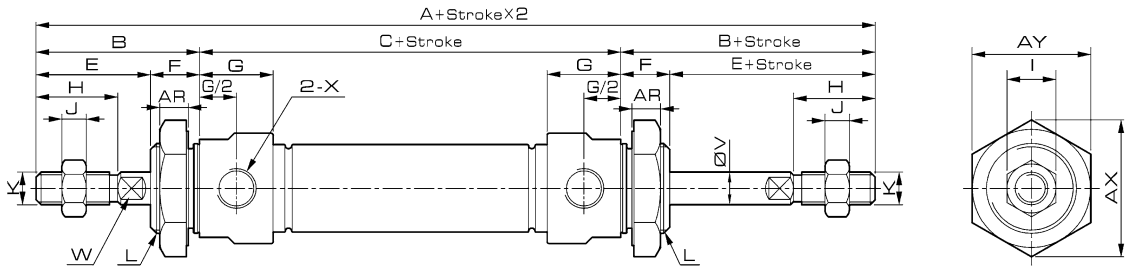
Bore/ Symbol	H	I	J	K	L	P	Q	S	U	V	W	X	AR	AX	AY
16	16	10	5	M6×1	M16×1.5	6	12	9	21	6	5	M5×0.8	6	27.8	24
20	20	12	6	M8×1.25	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29
25	22	17	6	M10×1.25	M22×1.5	8	16	12	30	10	8	G1/8	7	33.5	29
32	22	17	6	M10×1.25	M24×2	10	16	15	35	12	10	G1/8	9	37	32
40	24	19	7	M12×1.25	M30×2	12	20	15	42	16	14	G1/4	9	46	40

MA Series
Stainless Steel Mini Cylinder

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

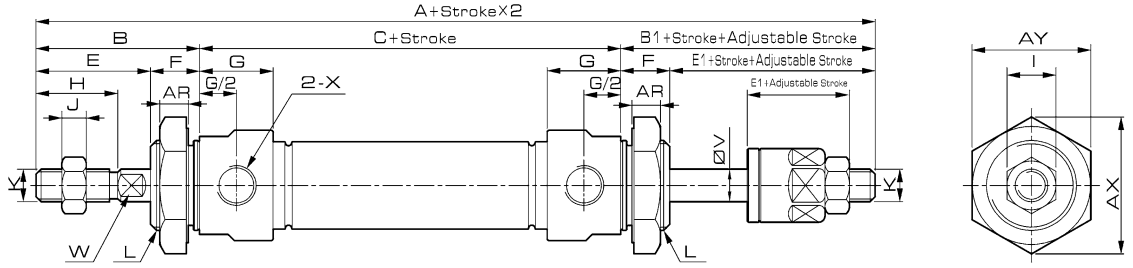
Overall Dimension

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

CE
ISO9001:2008

MAC Series
Stainless Steel Mini Cylinder


MAC16X100


MAC20X100


MAC25X100

Features

1. Improving for adapting wide range applications,using precise polishing of piston rod, more sense of products quality and longer life of front seal.
2. Optima design and improve the production efficiency.
3. Combined with enterprise color planning and new structure design,stainless steel series cylinder integrated as the semicircular groove cramping.
4. Change processing technology of cylinder cushion structure to ensure buffering function in stabilization.
5. Improved the range of buffering fine-tune, enable customers to more easily adjust the buffer throttling speed.


MAC32X100

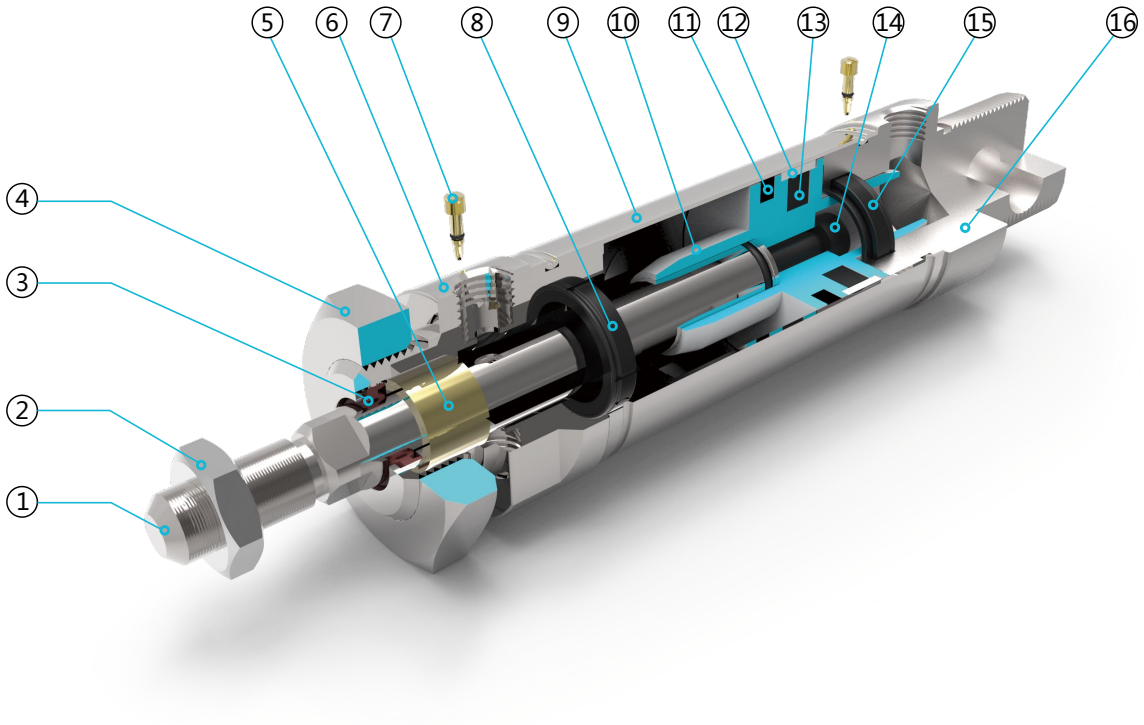
Ordering Code

MAC	-	U	-	32	x	50	-	25	-	S	-	E	-	LB	-	MT
Series		Back Form		Bore		Stroke		Adjustable stroke		Magnet		Piston rod Material		Mountings		Sensor
MAC : Double Acting MACD : Double-shaft MACJ : Double-shaft with adjustable stroke		Blank:Standard with eye mounting CM:Standard with round back cover U:Standard with flat back cover		16 20 25 32 40						S: With magnet Blank: Without magnet		Blank: Carbon steel E: Stainless steel		Blank: Basic mountings LB: Front and back mounting FA: Front mounting flange FB: Back mounting flange SDB: Back hinge		JEL-03R	

Specification

Bore(mm)	16	20	25	32	40
Operation	Double 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℃				
Operating Speed Range	50 ~ 800mm/s				
Cushion	Adjustable Air Cushion				
Port Size	M5×0.8	G1/8"			

Internal Structure



Parts

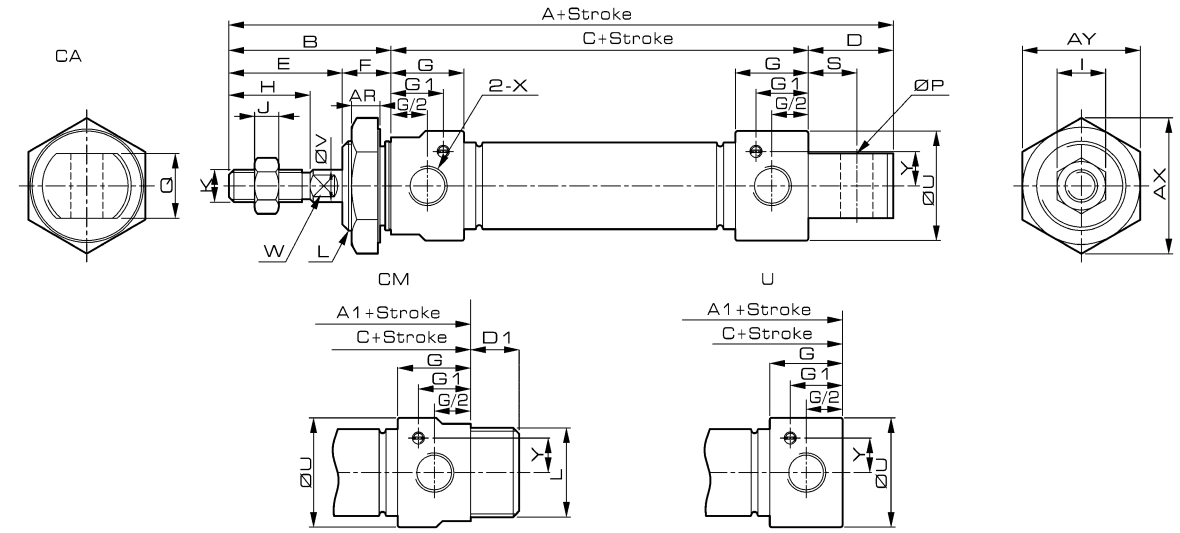
Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	Piston
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Socket head cap screw
7	Cushion adjusting screw	15	Cushion
8	Cushion	16	Back cover

CE
ISO9001:2008

MAC Series
Stainless Steel Mini Cylinder

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

CE
ISO9001:2008

MAL Series
Aluminum Alloy Mini Cylinder


MAL16X100


MAL25X100


MAL32X100

Features

1. Improving for adapting wide range applications,using precise polishing of piston rod,more sense of products quality and longer life of front seal.
2. Optima design and improve the production efficiency.
3. Combined with enterprise color planning and new structure design.
4. Using embedded gasket , increase the pressured area of pistons after collision.

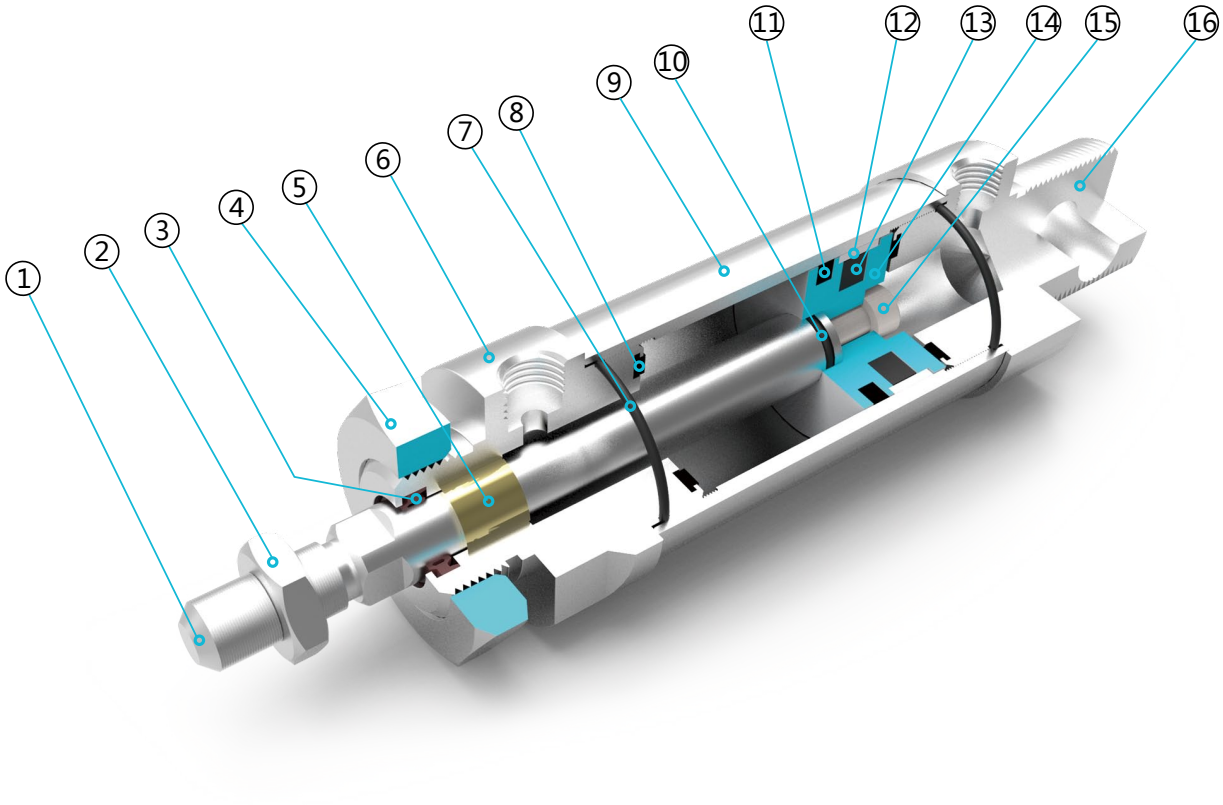
Ordering Code

MAL	-	U	-	32	x	50	-	25	-	S	-	E	-	LB	-	MT
Series		Back Form		Bore		Stroke		Adjustable stroke		Magnet		Piston rod Material		Mountings		Sensor
MAL : Double Acting		Blank:Standard with eye mounting		16						S: With magnet		Blank: Carbon steel		Blank: Basic mountings		JEL-03R
MSAL : Single Acting Spring-out		CM:Standard with round back cover		20						Blank: Without magnet		E: Stainless steel		LB: Front and back mounting		
MTAL : Single Acting Spring-in		U:Standard with flat back cover		25										FA: Front mounting flange		
MALD : Double-shaft				32										FB: Back mounting flange		
MALJ : Double-shaft with adjustable stroke				40										SDB: Back hinge		

Specification

Bore(mm)	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℃				
Operating Speed Range	50～800mm/s				
Cushion	Gasket Cushion				
Port Size	M5×0.8″	G1/8″			G1/4″

Internal Structure



Parts

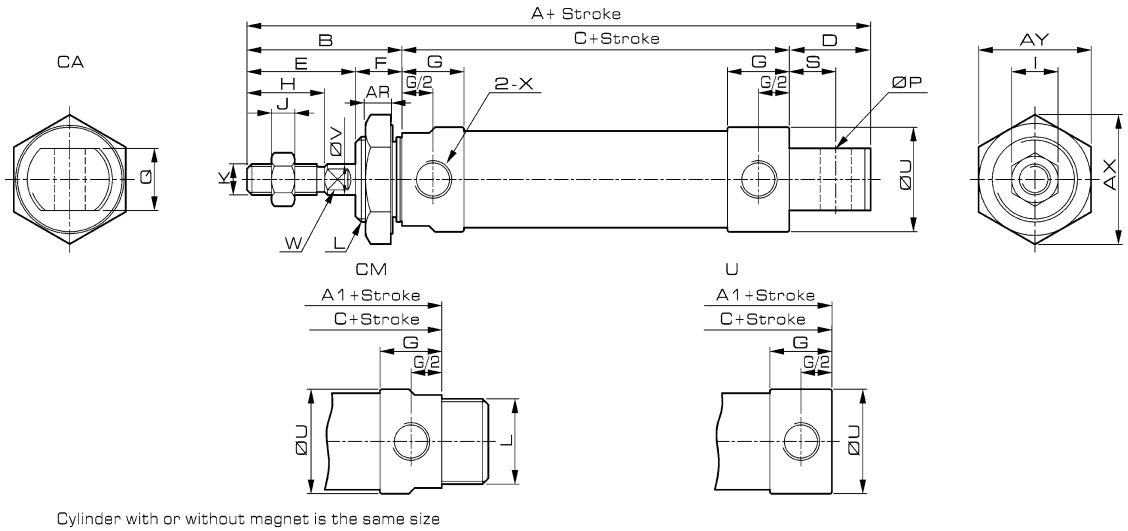
Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	O ring
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Piston
7	O ring	15	Socket head cap screw
8	Anti-collision gasket	16	Back cover

CE
ISO9001:2008

MAL Series
Aluminum Alloy Mini Cylinder

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

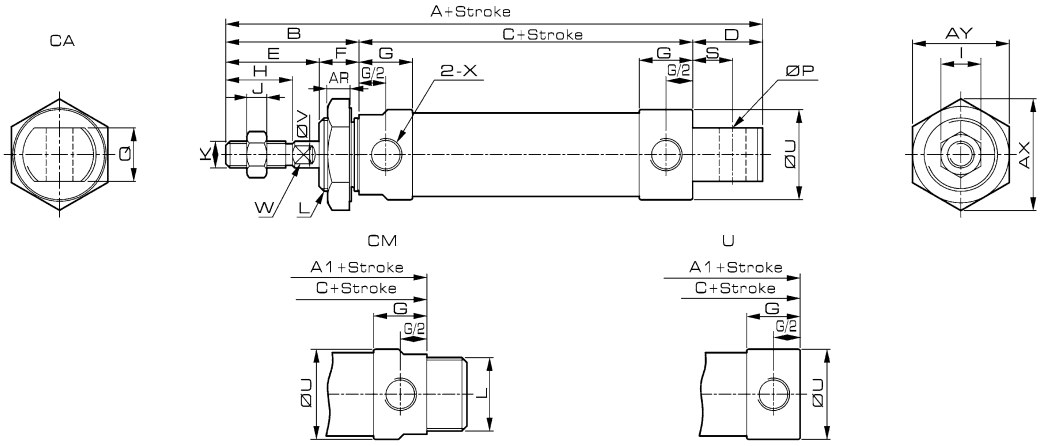
Bore/ Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	6	21	6	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	9
25	M22×1.5	8	16	12	32	10	8	G1/8	7	33.5	29	9
32	M24×2	10	16	15	39.5	12	10	G1/8	9	37	32	11.5
40	M30×2	12	20	15	47	16	14	G1/4	9	46	40	14

MAL Series
Aluminum Alloy Mini Cylinder

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

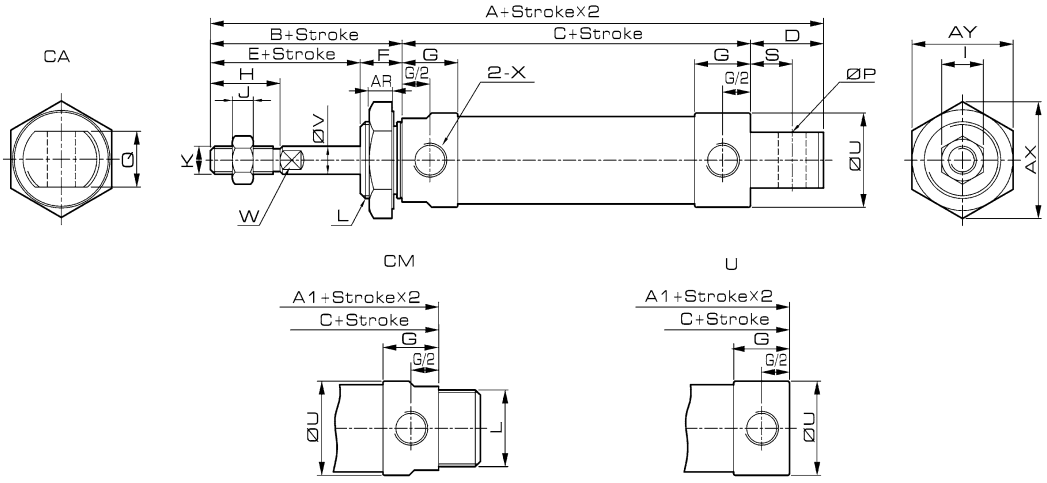
Overall Dimension

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	156	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

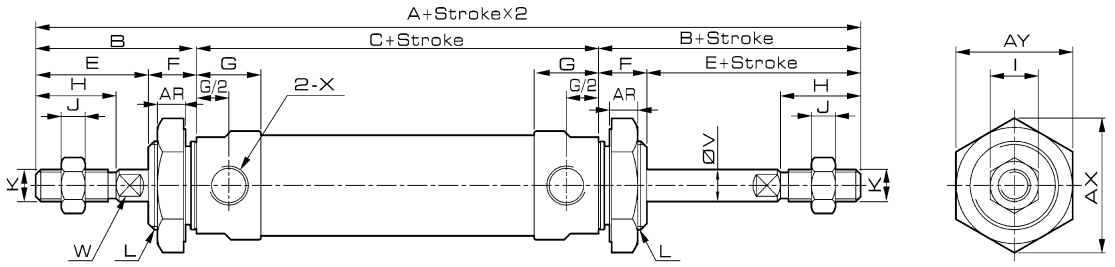
Bore/Symbol	H	I	J	K	L	P	Q	S	U	V	W	X	AR	AX	AY
16	16	10	5	M6×1	M16×1.5	6	12	6	21	6	5	M5×0.8	6	27.8	24
20	20	12	6	M8×1.25	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29
25	22	17	6	M10×1.25	M22×1.5	8	16	12	32	10	8	G1/8	7	33.5	29
32	22	17	6	M10×1.25	M24×2	10	16	15	39.5	12	10	G1/8	9	37	32
40	24	19	7	M12×1.25	M30×2	12	20	15	47	16	14	G1/4	9	46	40

CE
ISO9001:2008

MAL Series
Aluminum Alloy Mini Cylinder

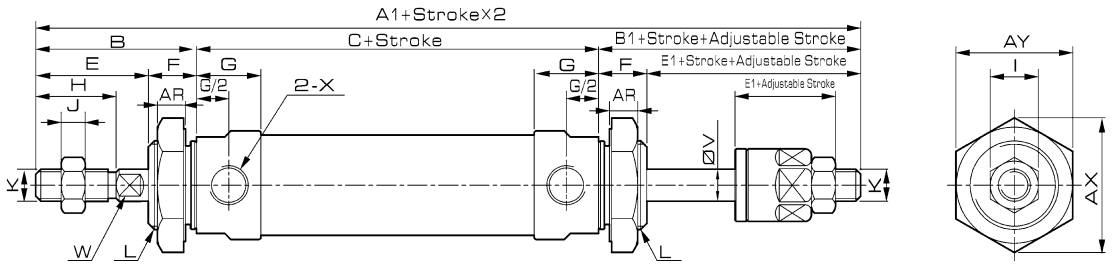
Overall Dimension

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	M22×1.5	32	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

MALC Series
Aluminum Alloy Mini Cylinder

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


MALC16X100


MALC25X100


MALC32X100

Features

1. Improving for adapting wide range applications, using precise polishing of piston rod, more sense of products quality and longer life of front seal.
2. Optima design and improve the production efficiency.
3. Combined with enterprise color planning and new structure design.
4. Change processing technology of cylinder cushion structure to ensure buffering function in stabilization.
5. Improved the range of buffering fine-tune, enable customers to more easily adjust the buffer throttling speed.

Ordering Code

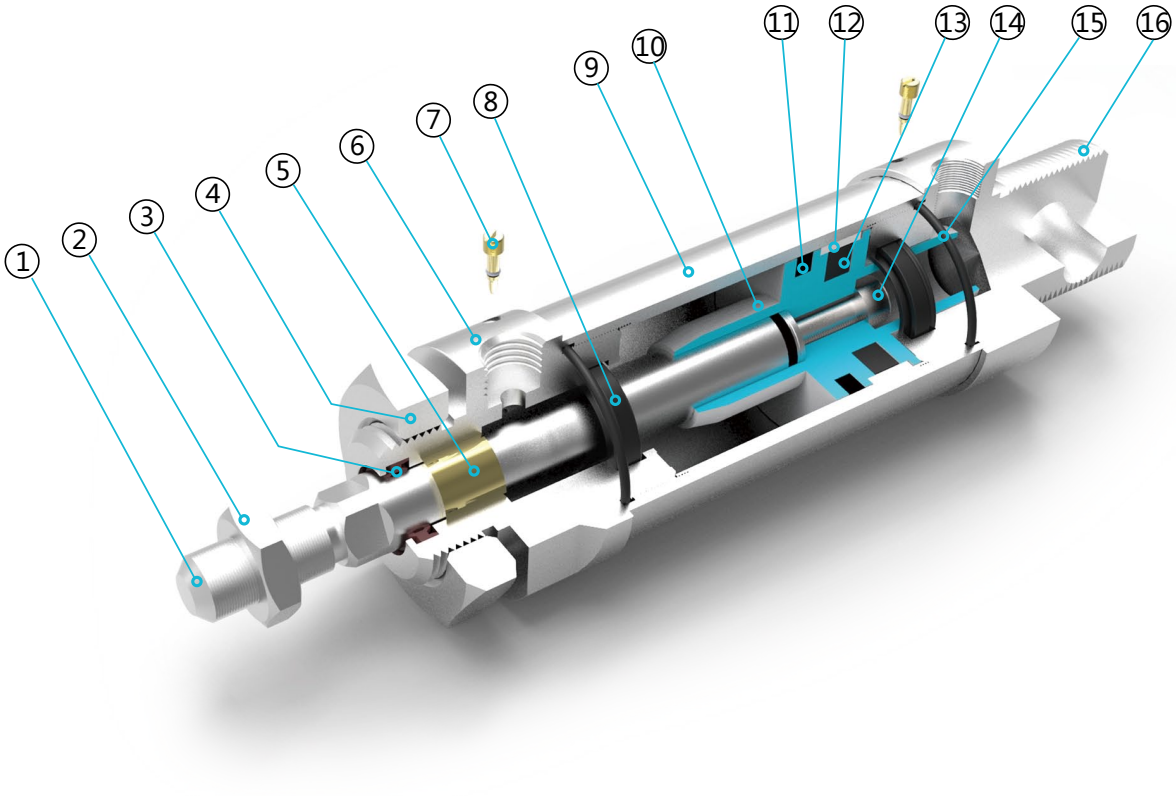
MALC	-	U	-	32	x	50	-	25	-	S	-	E	-	LB	-	MT
Series		Back Form		Bore		Stroke		Adjustable stroke		Magnet		Piston rod Material		Mountings		Sensor
MALC : Double Acting		Blank:Standard with eye mounting		16						S: With magnet		Blank: Carbon steel		Blank: Basic mountings		JEL-03R
MALCD : Double-shaft		CM:Standard with round back cover		20						Blank: Without magnet		E: Stainless steel		LB: Front and back mounting		
MALCJ : Double-shaft with adjustable stroke		U:Standard with flat back cover		25										FA: Front mounting flange		
				32										FB: Back mounting flange		
				40										SDB: Back hinge		

Specification

Bore(mm)	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℃				
Operating Speed Range	50 ~ 800mm/s				
Cushion	Adjustable Air Cushion				
Port Size	M5×0.8″	G1/8″			G1/4″

MALC Series
Aluminum Alloy Mini Cylinder

Internal Structure



Parts

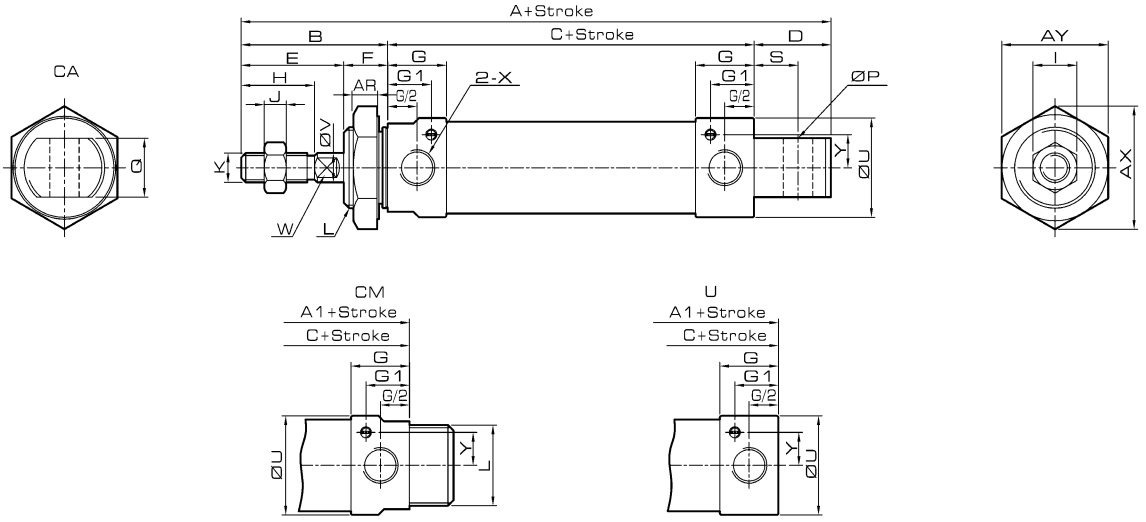
Number	Name	Number	Name
1	Piston rod	9	Barrel
2	Hexagon nut	10	Piston
3	Shaft seal	11	Piston seal
4	Hexagon nut	12	Anti-friction seal
5	DU bearing	13	Magnet
6	Front cover	14	Screw
7	Cushion adjusting screw	15	O ring
8	Cushion	16	Back cover

MALC Series
Aluminum Alloy Mini Cylinder

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

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	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

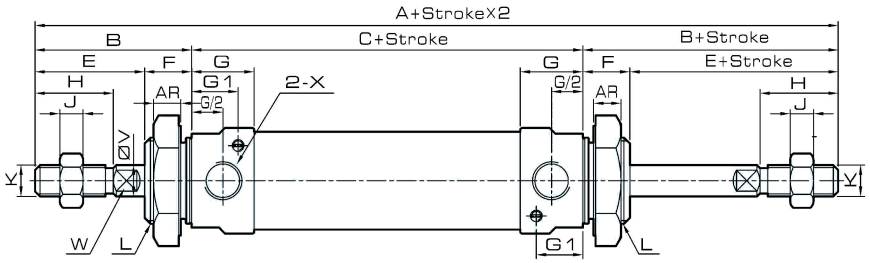
Bore/ Symbol	L	P	Q	S	U	V	W	X	AR	AX	AY	Y
16	M16×1.5	6	12	6	21	6	5	M5×0.8	6	27.8	24	6
20	M22×1.5	8	16	12	27	8	6	G1/8	7	33.5	29	9
25	M22×1.5	8	16	12	32	10	8	G1/8	7	33.5	29	9
32	M24×2	10	16	15	39.5	12	10	G1/8	9	37	32	11.5
40	M30×2	12	20	15	47	16	14	G1/4	9	46	40	14

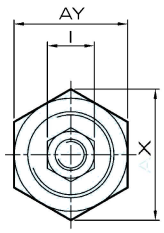
CE
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MALC Series
Aluminum Alloy Mini Cylinder

Overall Dimension

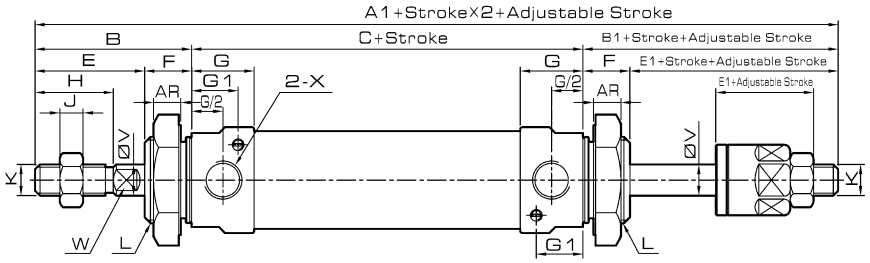
MALCD

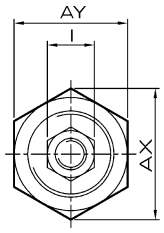




Cylinder with or without magnet is the same size

MALCJ





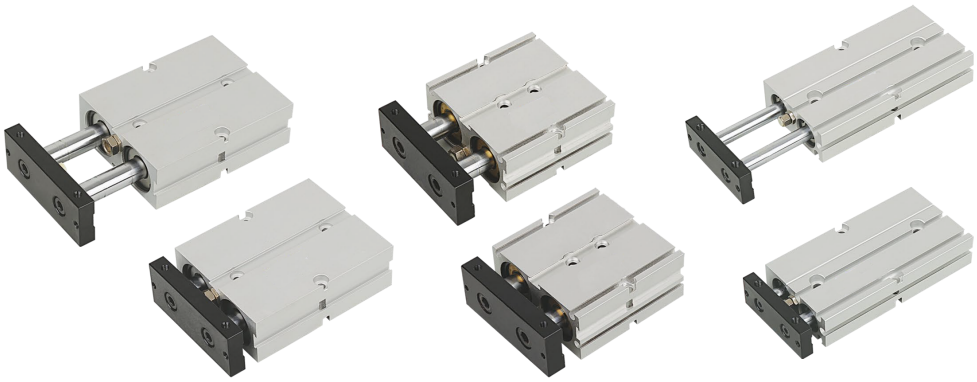
Cylinder with or without magnet is the same size

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	32	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

CE
ISO9001:2008

TN Series
Double Rod Cylinder



Features

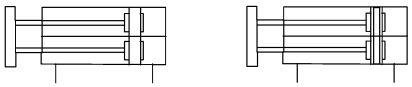
Double rod with double force for higher anti-bending and anti-twisted strength ensured durable life and perfect directional characteristic.

Ordering Code

TN	-	20	-	50	-	MT
Type		Bore		Stroke		Sensor
TN: Double-shaft double acting		10 16 20 25 32				CSI-J * Standard wire is 1 meter, please order for other length

* TN Series attached magnetic ring

Symbol



Specification

Bore (mm)	10	16	20	25	32
Working Medium	Air				
Operation	Double Acting				
Operation Pressure Range	0.1~0.9 MPa				
Ensure Pressure Resistance	1.35 MPa				
Operation Temperature Range	0~70 ℃				
Operation Speed Range	100~500 mm/s				
Adjustable Stroke	-10~0 mm				
Cushion	Not Available	Cushion Gasket			
Presion Of Non-rotating	0.4°	0.3°			
Port Size	M5 x 0.8				PT 1/8"

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

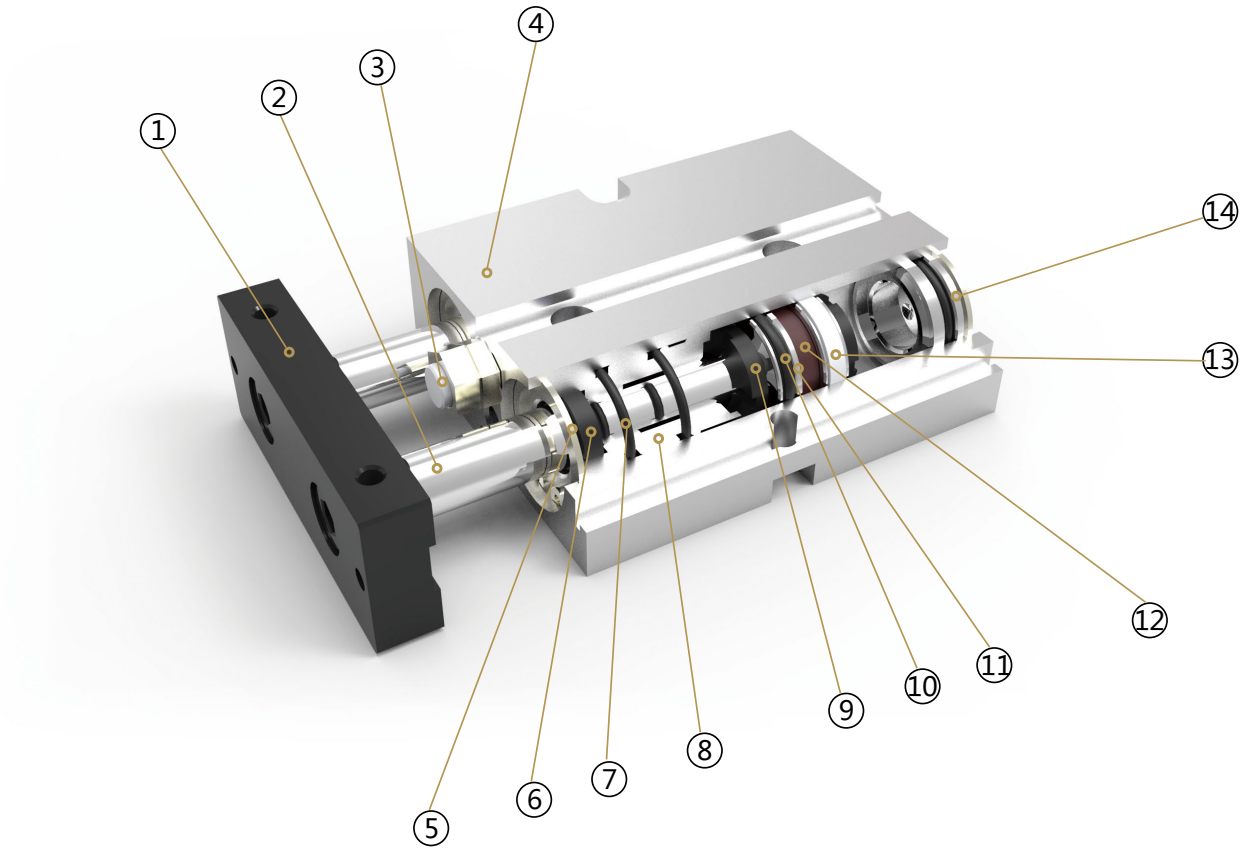
Stroke

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

TN Series
Double Rod Cylinder

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

Internal Structure



Parts

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	Hole cir-clip	12	Magnet
6	Shaft seal	13	Anti-friction ring
7	O ring	14	Back cover

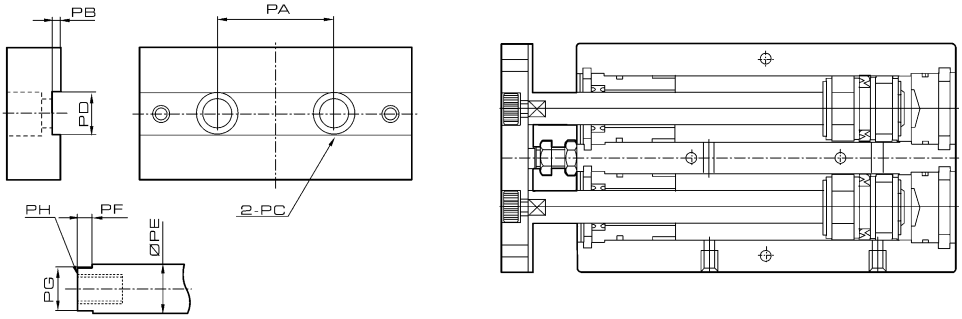
CE
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TN Series
Double Rod Cylinder

Overall Dimension

TN

Ø16~Ø25

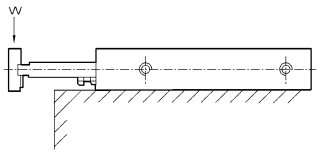


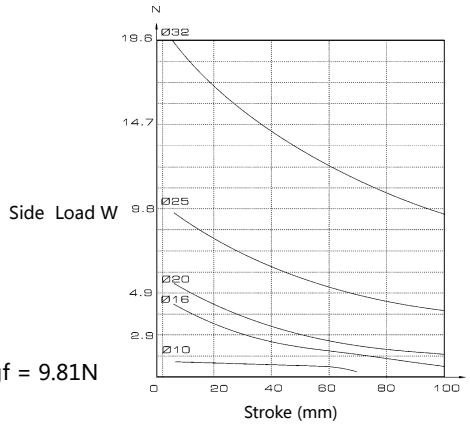
Dimension

Bore / Symbol	PA	PB	P1	PD	PE	PF	PG	P2
10	18	0.5	Φ6.2 deep 3.5 mm, Through Hole: Φ4.5	5.2	6	3	5.2	M3 × 0.5 deep 5 mm
16	24	1	Φ7.8 deep 4.6 mm, Through Hole: Φ4.5	6.2	8	3	6.2	M4 × 0.7 deep 46 mm
20	28	1	Φ11 deep 6.8 mm, Through Hole: Φ4.5	8.2	10	3	8.2	M6 × 1 deep 48 mm
25	34	1	Φ11 deep 6.8 mm, Through Hole: Φ4.5	10.2	12	3	10.2	M6 × 1 deep 48 mm
32	42	2	Φ17 deep 12 mm, Through Hole: Φ4.5	14	16	3	14	M10 × 1.5 deep 14 mm

Overall Dimension

Allowable size load





Side Load W

*1Kgf = 9.81N

Dimension

O-ring List

Inner Diameter Quantity	Front cover seal	Piston O-ring	Rear cover O-ring	Piston rod O-ring
	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

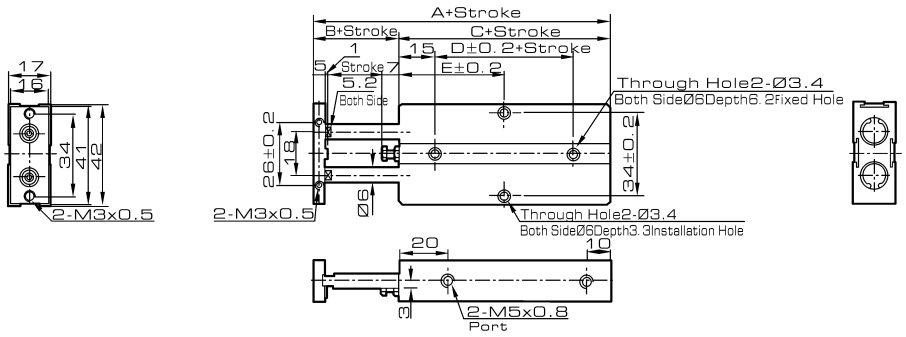
TN Series
Double Rod Cylinder

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

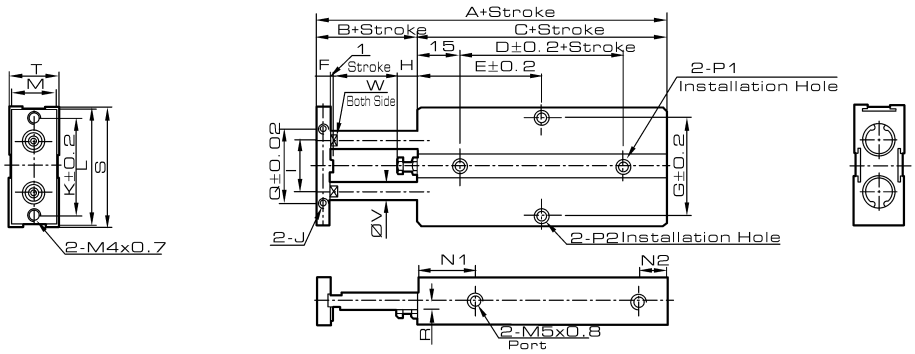
Overall Dimension

TN

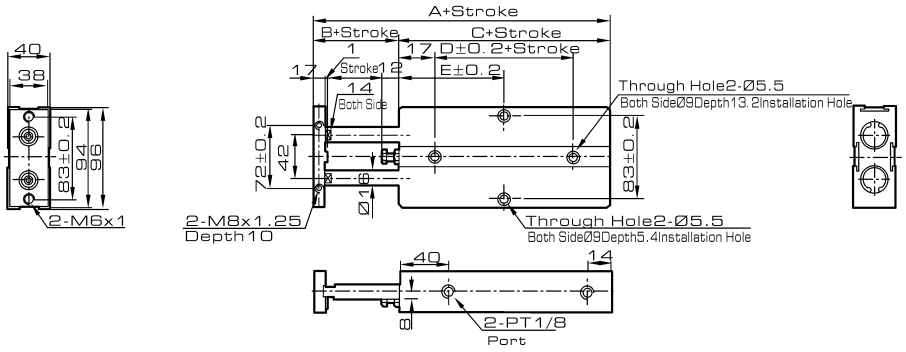
Ø10



Ø16~Ø25



Ø32



Dimension

Bore Symbol	A	B	C	D	E												F	G	H	I
					10	20	30	40	50	60	70	80	90	100	125	150				
16	68	15	53	20	30	35	40	45	50	55	60	65	70	75	87.5	100	8	47	6	24
20	78	20	58	20	35	35	40	45	50	55	60	65	70	75	87.5	100	10	55	9	28
25	81	19	62	30	40	40	45	50	55	60	65	70	75	80	92.5	105	10	66	8	34

Bore Symbol	J	K	L	M	N1	N2	P1	P2	Q	R	S	T	V	W
16	M4×0.7 deep 5	47	53	20	22	10	Double side: Φ7.5 Deep: 7.2 mm, Through Hole: Φ4.5	Double side: Φ8 Deep: 4.4 mm, Through Hole: Φ4.5	34	3	54	21	8	6.2
20	M4×0.7 deep 5	55	61	24	25	12	Double side: Φ7.5 Deep: 7.2 mm, Through Hole: Φ4.5	Double side: Φ8 Deep: 4.4 mm, Through Hole: Φ4.5	44	3.5	62	25	10	8.1
25	M4×0.8 deep 6	66	72	27	30	12	Double side: Φ7.5 Deep: 7.2 mm, Through Hole: Φ4.5	Double side: Φ8 Deep: 4.4 mm, Through Hole: Φ4.5	56	7	73	30	12	10.2

Bore Symbol	A	B	C	D	E												
					10	20	30	40	50	60	70						
10	63	12	51	10	30	30	35	40	45	50	55						
32	108	30	78	35	10	20	30	40	50	60	70	80	90	100	125	150	
					45	50	55	60	65	70	75	80	85	90	102.5	115	

CE
ISO9001:2008

CXS Series (Ø6 ~ Ø32)
Twin Rod Cylinder/Basic Type



Features

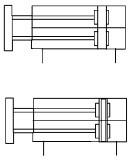
Double rod with double force for higher anti-bending and anti-twisted strength ensured durable life and perfect directional characteristic.

Ordering Code

CXS M	- 20	- 100	- MT
Type Bearing	Bore	Stroke	Sensor
M: Slidable bearing L: Ball bearing	6 20 10 25 15 32	As S/M chart	D-Z73 * Standard wire is 1 meter, please order for other length

* CXS Series attached magnetic ring

Symbol



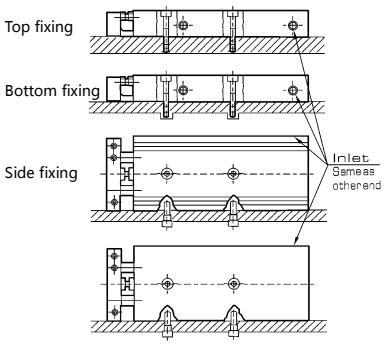
Stroke/Sensor Switch Model

Bore (mm)	Standard Stroke	*Sensor Switch Model (Install by Orbit type)
6	10, 20, 30, 40, 50	D-Z73L D-Z76L D-Z80L D-Y59AL D-Y59BL
10	10, 15, 20, 25, 30, 40, 45,50, 60, 70,75,	
15	10, 15, 20, 25, 30, 40, 45,50, 60, 70, 75, 80, 90, 100	
20		
25		
32		

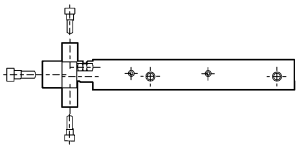
Specification

Bore (mm)		6	10	15	20	25	32
Operation Fulid		Air					
Operation		Double Acting					
Proof Pressure		1.05 MPa					
Max. Operation Pressure		0.7 MPa					
Ambient and fluid temp		5 ~ 60 ℃					
Cushion		Both end Rubber Gasket Cushion					
Piston Speed		30 ~ 800 mm/s	30 ~ 800 mm/s	30 ~ 700 mm/s		30 ~ 600 mm/s	
*Lubrication		Non-lub					
Adjustable stroke range		Returned Stroke 0 ~ -5 mm					
Bearing		Slidable bearing/Ball Bearing					
Non-rotating rod precision	Slidable bearing	± 0.1°					
	Ball Bearing	± 0.1°					
Port Size Rc		M5 x 0.8					1/8
Structure		Double Cylinder (Double force)					

Cylinder body can be fixed, position port can be choosed



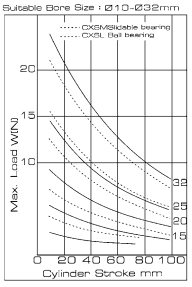
3 Panels intallstion allowed



Suitable Bore Size Ø6

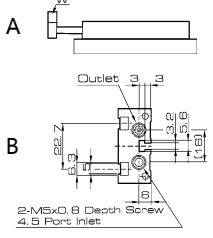
Model	Stroke				
	10	20	30	40	50
CXSM6	0.8	0.66	0.54	0.46	0.40
CXLM6	1.08	0.88	0.69	0.59	0.49

Suitable bore size Ø6



Max. Allowable Load

Below A indicates type of mouting, and below B indicates type of installation.



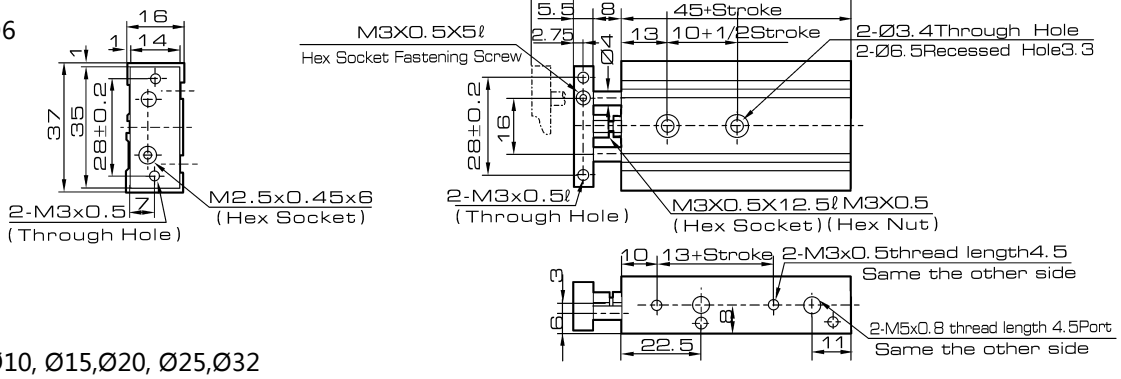
CXS Series (Ø6 ~ Ø32)
Twin Rod Cylinder/Basic Type

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

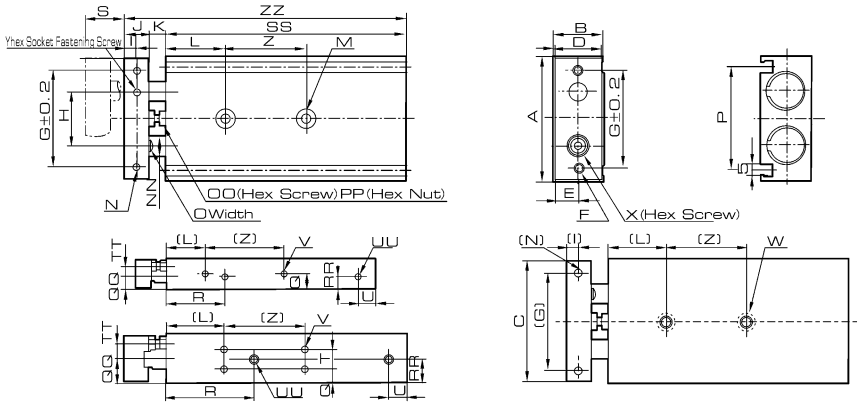
Overall Dimension

CXS

Ø6



Ø10, Ø15,Ø20, Ø25,Ø32



Dimension

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	NN	O	OO	P	PP	Q	QQ	R	RR	S	SS	T	TT	U	UU	V	W	X	Y	Z	ZZ
CXS○10-10	46	17	44	15	7.5	2-M4 x0.7 (Port)	35	20	4	8	9	20	2-Ø3.4 Port 2-Ø6.5 Thread length 3.3	2-M3 x0.5 Thread length 5	Ø6	5	M4 x 0.7 x 14.5L	33.6	M4 x 0.7	8.5	7	30	7	10	65	-	5	8	4-M5 x0.8 Thread length 4.5 (Port) (Same the other side)	4-M3 x0.5 Thread length 4.5 (Same the other side)	2-M4 x0.7 Thread length 7	M3 x 0.5 x 10L	M3 x 0.5 x 5L	30	82
CXS○10-20																								20	75										92
CXS○10-30																								30	85									40	102
CXS○10-40																								40	95										112
CXS○10-50																								50	105										122
CXS○15-10	58	20	56	18	9	2-M5 x0.8 (Port)	45	25	5	10	9	30	2-Ø4.3 Port 2-Ø8 Thread length 4.4	2-M4 x0.7 Thread length 6	Ø8	6	M4 x 0.7 x 14.5L	48	M4 x 0.7	10	10	38.5	10	10	70	-	5	8	4-M5 x0.8 Thread length 4.5 (Port) (Same the other side)	4-M4 x0.7 Thread length 5 (Same the other side)	2-M5 x0.8 Thread length 8	M5 x 0.8 x 10L	M4 x 0.7 x 4L	25	89
CXS○15-20																								20	80										99
CXS○15-30																								30	90									35	109
CXS○15-40																								40	100										119
CXS○15-50																								50	110										129
CXS○20-10	64	25	62	23	11.5	2-M5 x0.8 (Port)	50	28	6	12	12	30	2-Ø5.5 Port 2-Ø9.5 Thread length 5.3	2-M4 x0.7 Thread length 6	Ø10	8	M6 x 1.0 x 18.5L	53	M6 x 1.0	12.5	12.5	45	7.76	10	80	9.5	6.5	8	4-M5 x0.8 Thread length 4.5 (Port) (Same the other side)	8-M4 x0.7 Thread length 6 (Same the other side)	2-M6 x1.0 Thread length 10	M6 x 1.0 x 12L	M5 x 0.8 x 5L	30	104
CXS○20-20																								20	90										114
CXS○20-30																								30	100										124
CXS○20-40																								40	110									40	134
CXS○20-50																								50	120										144
CXS○20-75																								75	145									60	169
CXS○20-100																								100	170										194
CXS○25-10	80	30	78	28	14	2-M6 x1.0 (Port)	60	35	6	12	12	30	2-Ø6.9 Port 2-Ø11 Thread length 6.3	2-M5 x0.8 Thread length 7.5	Ø12	10	M6 x 1.0 x 18.5L	64	M6 x 1.0	15	15	46	15	10	82	13	9	9	4-1/8 Thread length 6.5 (Port) (Same the other side)	8-M5 x0.8 Thread length 7.5 (Same the other side)	2-M8 x1.25 Thread length 12	M6 x 1.0 x 14L	M6 x 1.0 x 5L	30	106
CXS○25-20																								20	92										116
CXS○25-30																								30	102										126
CXS○25-40																								40	112									40	136
CXS○25-50																								50	122										146
CXS○25-75																								75	147									60	171
CXS○25-100																								100	172										196
CXS○32-10	98	38	96	36	18	2-M6 x1.0 (Port)	75	44	8	16	14	30	2-Ø6.9 Port 2-Ø11 Thread length 6.3	2-M5 x0.8 Thread length 8	Ø16	13	M8 x 1.25 x 23L	76	M8 x 1.25	19	19	56	19	10	92	20	11.5	10	4-1/8 Thread length 6.5 (Port) (Same the other side)	8-M5 x0.8 Thread length 7.5 (Same the other side)	2-M8 x1.25 Thread length 12	M8 x 1.25 x 16L	M8 x 1.25 x 8L	40	122
CXS○32-20																								20	102										132
CXS○32-30																								30	112									50	142
CXS○32-40																								40	122										152
CXS○32-50																								50	132										162
CXS○32-75																								75	157									70	187
CXS○32-100																								100	182										212

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MGP New Compact
Tri-rod Cylinder (Ø20 ~ Ø100)

Features

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



Ordering Code

MGPM	-	32	-	50	-	MT
Type Bearing		Bore		Stroke		Sensor

Type Bearing	Bore	Stroke	Sensor
M: Slidable bearing	12 16		MT2
L: Ball bearing	20 25		* Standard wire is 1 meter, please order for other length
	32 40		
	50 63		
	80 100		

Ordering Code: (examples)

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

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/cm^2)									
Max. Operation Pressure		1.0 MPa (10.2 kgf/cm^2)									
Min. Operation Pressure		0.12 MPa (1.2 kgf/cm^2)									
Ambient and fluid temperature		5 ~+60 ℃									
Piston Speed		50~500 mm/s								50~400 mm/s	
Buffer		Rubber Buffer									
Stroke Tolerance		+1.5 mm 0									
*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°		± 0.09°		± 0.08°		± 0.06°		± 0.05°	
Port Size Rc (PT)		M5 x 0.8		1/8"				1/4"		3/8"	

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

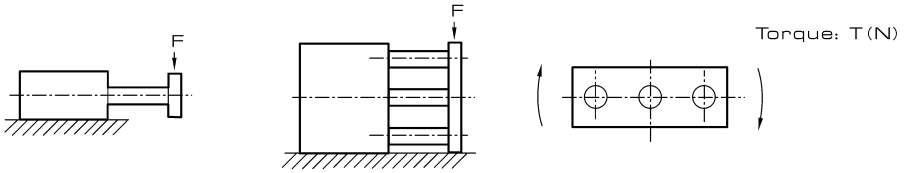
Stroke

Bore (mm)	Standard Stroke (mm)	** Sensor Switch Optional Model (For slide installation)
12 , 16	10 , 20 , 30 , 40 , 50 , 75 , 100	D-Z73L D-Z76L D-Z80L D-Y59AL D-Y59BL
20 , 25	20 , 30 , 40 , 50 , 75 , 100 , 125 , 175 , 200	
32 , 40 , 50 , 63 , 80 , 100	20 , 50 , 75 , 100 , 125 , 150 , 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.

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	9.50	8.60	7.86	7.24
-	-	7.02	-	-	5.76	12.3	10.9	11.2	10.2	9.40	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

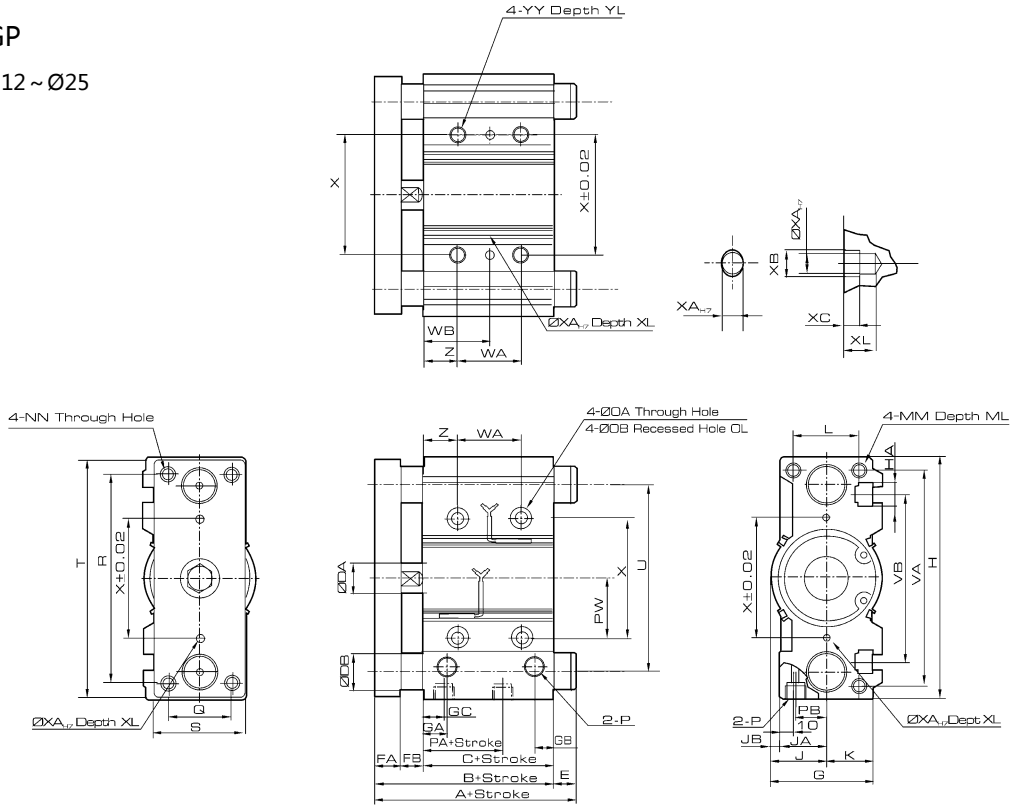
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MGP New Compact
Tri-Rod Cylinder (Ø20 ~ Ø100)

Overall Dimension

MGP

Ø12 ~ Ø25



Dimension

MGPM, MGPL (Ø12 ~ 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	M4x0.7	10	M4x0.7	4.3	8	4.5	M5x0.8	13	8	18	14
16		46	33	8	8	5	30	11	8	64	M4	15	15	22	M5x0.8	12	M5x0.8	4.3	8	4.5	M5x0.8	15	10	19	16
20		53	37	10	10	6	36	10.5	8.5	83	M5	18	18	24	M5x0.8	13	M5x0.8	5.6	9.5	5.5	Rc1/8	12.5	10.5	25	18
25	20,30,40,50,75,100, 125,150,175,200	53.5	37.5	12	10	6	42	11.5	9	93	M5	21	21	30	M6x1.0	15	M6x1.0	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 or above	Below 30st	40st to 100st	125st or below								
12	10,20,30,40,	48	22	56	41	50	37	20	40	-	15	25	-	23	3	3.5	3	6	M5x0.8	10	5
16	50,75,100	54	25	62	46	56	38	24	44	-	17	27	-	24	3	3.5	3	6	M5x0.8	10	5
20	20,30,40,50,75,	70	30	81	54	72	44	24	44	120	29	39	77	28	3	3.5	3	6	M6x1.0	12	17
25	100,125,150,175,200	78	38	91	64	82	50	24	44	120	29	39	77	34	4	4.5	3	6	M6x1.0	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	19	49
20	63	80	104	10	10	27	51
25	69.5	80.5	104.5	13	16	32	51

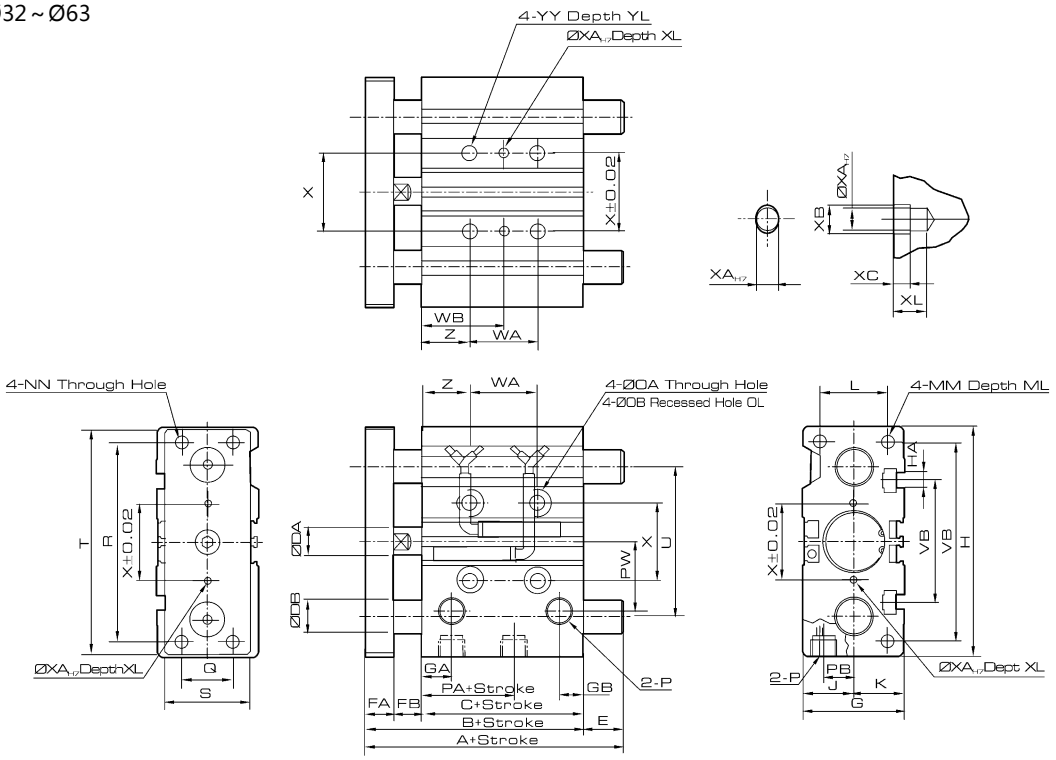
MGP New Compact
Tri-rod Cylinder (Ø20~Ø100)

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

Overall Dimension

MGP

Ø32~Ø63



Dimension

MGPM, MGPL (Ø32~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	M8x1.25	20	M8x1.25	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	M8x1.25	20	M8x1.25	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	M10x1.5	22	M10x1.5	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	M10x1.5	22	M10x1.5	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	M8x1.25	16	21
40		104	44	118	86	106	72	24	48	124	34	46	84	50	4	4.5	3	6	M8x1.25	16	22
50		130	60	146	110	130	92	24	48	124	36	48	86	66	5	6	4	8	M10x1.5	20	24
63		130	70	158	124	142	110	28	52	128	38	50	88	80	5	6	4	8	M10x1.5	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

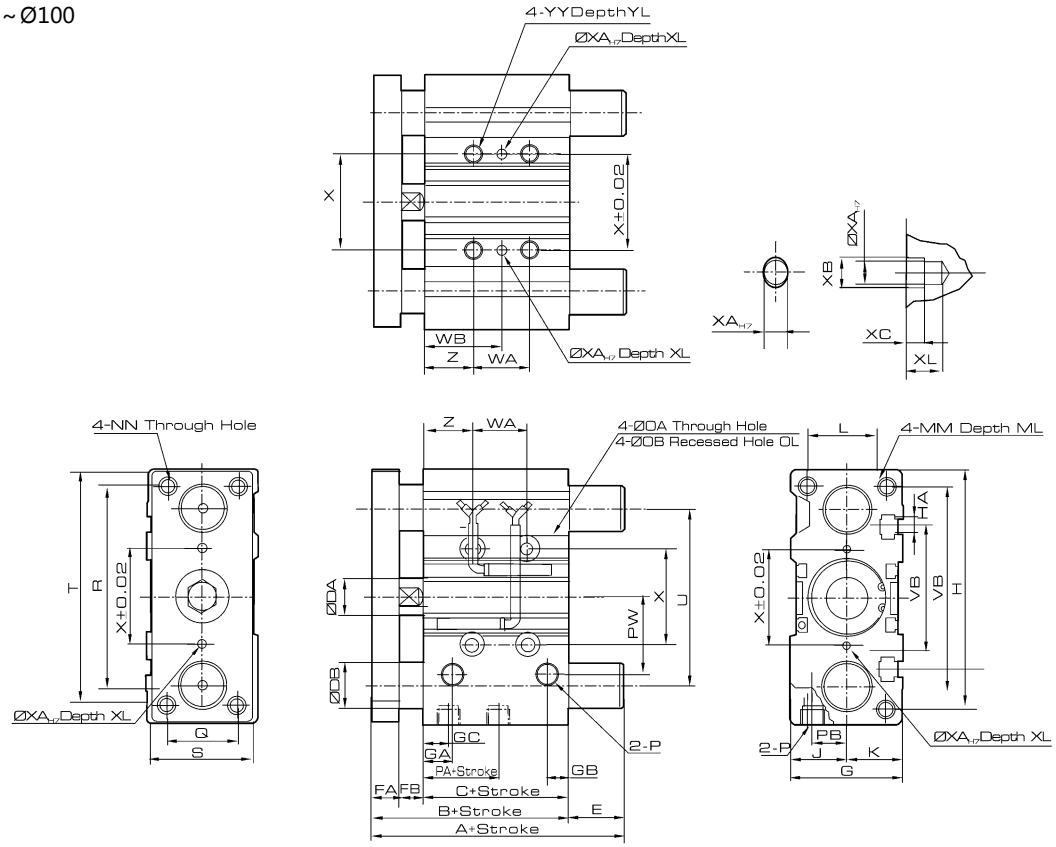
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MGP New Compact
Tri-Rod Cylinder (Ø20 ~ Ø100)

Overall Dimension

MGP

Ø80 ~ Ø100



Dimension

MGPM, MGPL Dimension (Ø80 ~ 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	38	7.5	46	54	M12x1.75	30	M12x1.75	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	45	10.5	56	62	M14x2.0	32	M14x2.0	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	M12x1.75	24	28
100		210	90	236	188	210	166	48	72	148	35	47	85	124	6	7	5	10	M14x2.0	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

ISO9001:2008 CE

SC / SU Series
Standard Cylinder



SU50×100-FA | SCJ40×75-50 | SC40×100-S | SC80×50-S | SC100×150

Ordering Code

SC	-	D	-	50	x	50	-	25	-	S	-	LB	-	MT
Series		Series Code		Bore		Stroke		Adjustable Stroke		Magnet		Mountings		Sensor

Series
- SC: Tie rod type
- SU: Profile type

Series Code
- Blank: Standard double acting
- D: Double-shaft double acting
- J: Double-shaft with adjustable stroke type

Bore
32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320

Stroke

Adjustable Stroke
- 10: 10mm
- 20: 20mm
- 30: 30mm
- 50: 50mm
- 75: 75mm
- 100: 100mm

Magnet
- S: With magnet
- Blank: Without magnet

Mountings
- Blank: Basic mounting
- LB: Foot
- FA: Front flange
- FB: Back flange
- CA: Back hinge
- CB: Back hinge
- TC-M: Center trunnion

Sensor
- JEL-21R Type
- SC: Bracket for switch
- SU: Bracket for switch

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

Specification

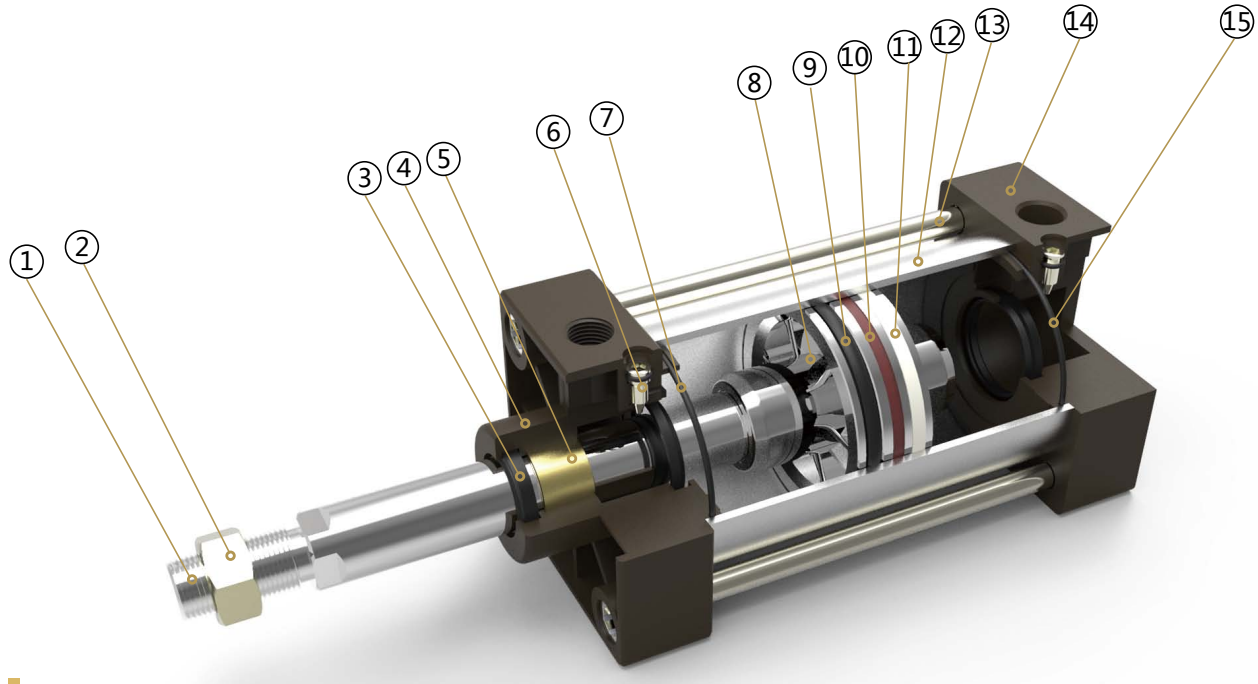
Bore (mm)	32	40	50	63	80	100	125	160	200	250	320
Operation	Double Acting										
Working Medium	Air										
*Mountings	Basic FA FB CA CB LB TC TC-M										
Operating Pressure Range	1 ~ 9.0Kgf/cm^2										
Proof Pressure	13.5Kgf/cm^2										
Operating Temperature Range	-20 ~ 70℃										
Operating Speed Range	50 ~ 800mm/s										
Cushion	Adjustable Cushion										
Adjustable Cushion Stroke	20mm				26mm				45mm	52mm	66mm
Port Size	G1/8"	G1/4"		G3/8"		G1/2"			G3/4"	G1"	

* SCD, SCJ mountings: FA, FB, LB, TC and TC-M type.

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
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

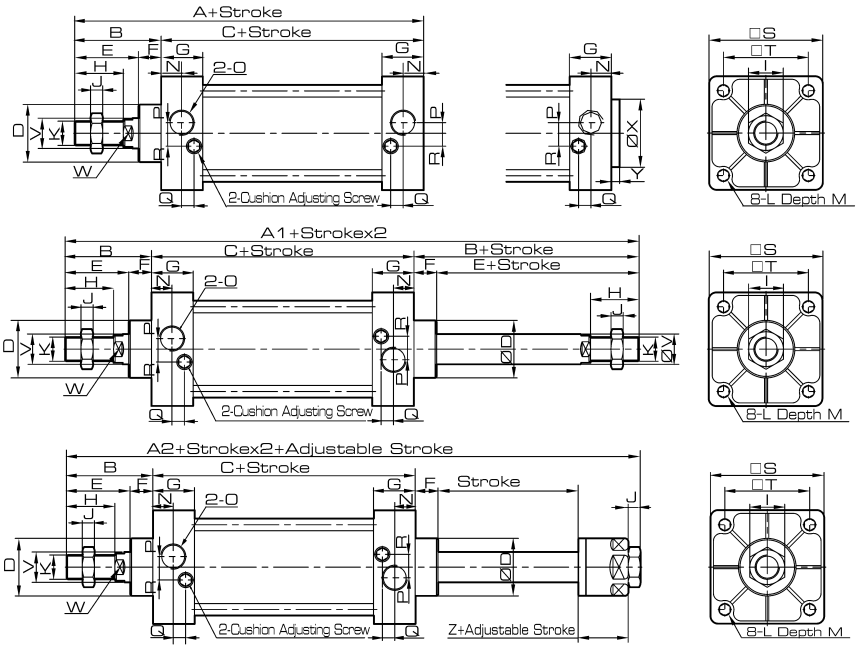
Internal Structure



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		

Overall Dimension



Dimension

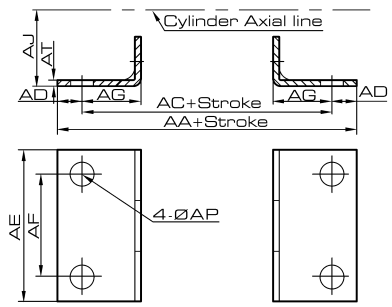
Bore/ Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25	M6
40	141	191	185	48	93	32	34	15	27.5	24	17	7	M12×1.25	M6
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16×1.5	M6
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16×1.5	M8
80	183	258	243	75	108	47	54	21	33	40	26	10	M20×1.5	M10
100	189	264	249	75	114	47	54	21	33	40	26	10	M20×1.5	M10
125	226	330	313	104	122	55	70	34	33	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	45	33	12	10	21	/	/
40	9.5	1.5	G1/4	6	8.2	9	50	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

LB Foot

Overall Dimension

LB

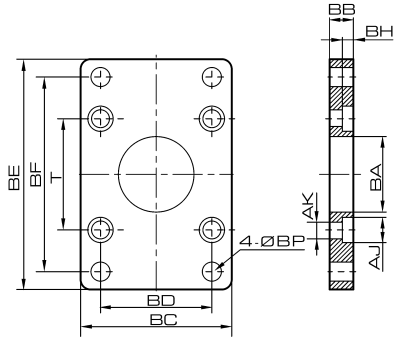


Dimension

Bore/Symbol	32	40	50	63	80	100	125	160	200
AA	153	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	30
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	8.5	9

FA / FB Flange

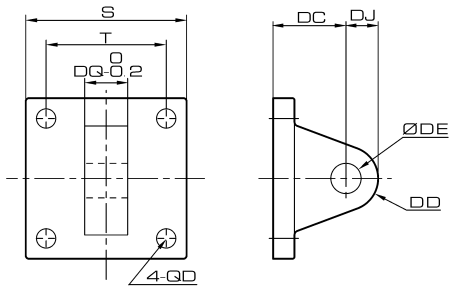
FA、FB



Bore/Symbol	32	40	50	63	80	100	125	160	200
BA	28.3	32.3	38.3	38.3	47.3	47.3	56	63	81
BB	10	10	10	12	16	16	20	20	25
BC	47	52	65	76	95	115	140	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	224	280	320
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	15	20	20
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	16.5	16.5
BP	7	7	9	9	12	12	16	18	22
T	33	37	47	56	70	84	110	140	175

CA Clevis

CA



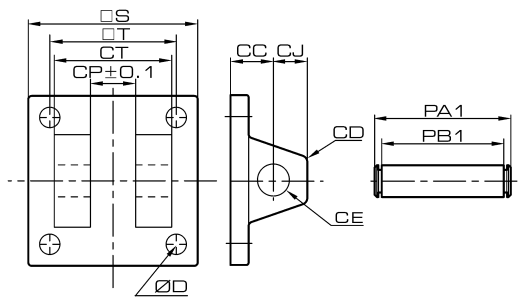
Bore/Symbol	32	40	50	63	80	100	125	160	200
S	45	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	15	15	20	20	25	30	30
DE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	25	30	30
DQ	16	20	20	20	32	32	70	90	90
D	6.5	6.5	6.5	8.5	10.5	10.5	12.5	16.5	16.5

CB Double Earring

Overall Dimension

Dimension

CB

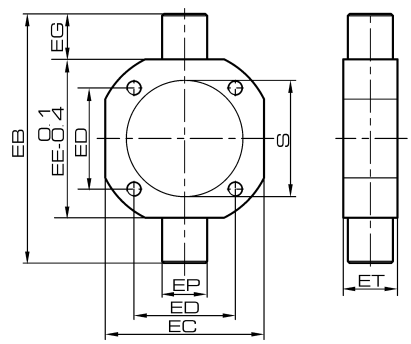


Bore/Symbol	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	3	8	8	25	30	30
CE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	30	30
CP	16.3	20.5	20.3	20.3	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	160	160
PAI	41	53	61	61	75	75	136	184	194
PBI	34	46	54	54	66	66	124	170	180
S	48	50	62	75	94	112	140	180	220
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	16.5	16.5

TC Center Trumion

Overall Dimension

TC

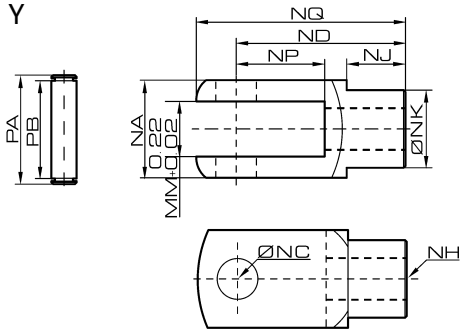


Bore/Symbol	32	40	50	63	80	100	125	160	200
EB	87	113	126	138	164	182	210	264	316
EC	53	63	76	88	114	132	160	200	233
ED	33	37	47	56	70	84	110	140	175
EE	55	63	76	88	114	132	160	200	233
EG	16	25	25	25	25	25	25	32	35
EP	16	25	25	25	25	25	30	32	32
ET	30	30	30	30	35	40	38	38	46
S	37.5	45.5	55.5	68.5	87.5	107.5	134.5	172.5	215

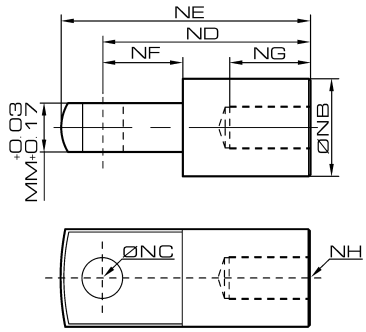
Y/I Knuckle

Overall Dimension

Y



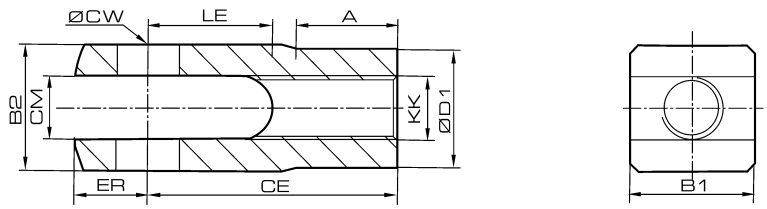
I



Dimension

Bore/Symbol	NA	NB	NC	ND	NE	NF	NG	NH	NJ	NK	MM	NP	NQ	PA	PB
32	19	20	10	40	52	15	20	M10×1.25	15.5	16	10	20	52	30	21
40	24	24	12	48	67	24	20	M12×1.25	20.5	20	12	24	62	36	27
50	32	32	16	64	89	32	23	M16×1.5	26	30	16	32	83	44	34
63	32	32	16	64	89	32	23	M16×1.5	26	30	16	32	83	44	34
80	40	40	20	80	112	40	30	M20×1.5	30	38	20	39.5	105	52	42
100	40	40	20	80	112	40	30	M20×1.5	30	38	20	39.5	105	52	42
125	62	49	20	99	122	54	50	M27×2	28	38	30	43	120	75	66
160	70	61	30	125	155	43	70	M36×2	40	53	40	43	153	96	82
200	70	61	30	125	155	43	70	M36×2	40	53	40	43	153	96	82

CK Type Y Knuckle

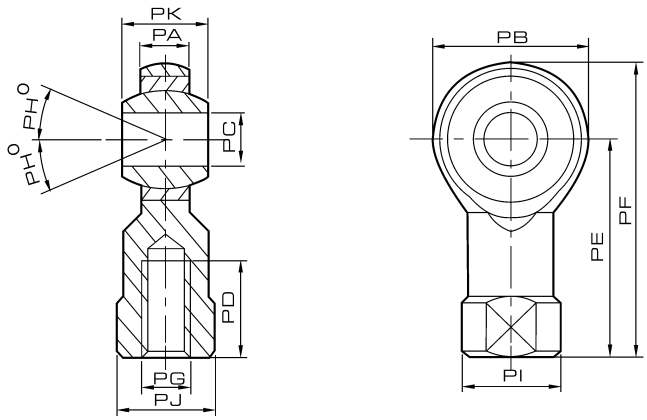


Dimension

Bore/Symbol	NH	KK	A	B1	B2	CE	CW	CM	D1	ER	LE
20	CK-M6×1	M6×1	9.5	12	12	24	6	6	10	7	12
25	CK-M8×1.25	M8×1.25	13.5	16	16	32	8	8	14	10	16
32	CK-M10×1.25	M10×1.25	15.5	19	19	40	10	10	16	12	20
40	CK-M12×1.25	M12×1.25	20.5	24	24	48	12	12	20	14	24
50/63	CK-M16×1.5	M16×1.5	26	32	32	64	16	16	30	19	32
80/100	CK-M20×1.5	M20×1.5	30	40	40	80	20	20	39	25	39.5

PHSA Universal Piston Rod Eye

Overall Dimension

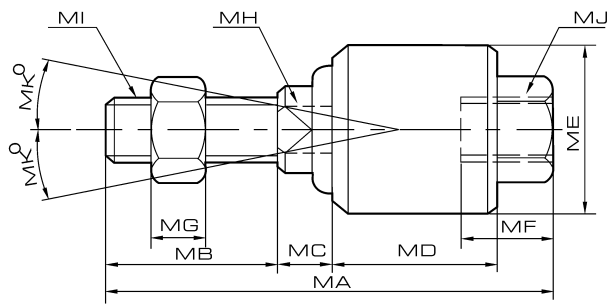


Dimension

Bore/Symbol	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK
32	11	26	10	20	43	56	M10×1.25	13	19	17	14
40	12	32	12	24	50	66	M12×1.25	13	22	19	16
50	15	40	16	28	64	84	M16×1.5	15	27	22	21
63	15	40	16	28	64	84	M16×1.5	15	27	22	21
80	18	46	20	35	77	100	M20×1.5	15	34	30	25
100	18	46	20	35	77	100	M20×1.5	15	34	30	25

FDJT Piston Floating Jiont

Overall Dimension



Dimension

Bore/Symbol	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK
32	58	22	7	21	26	11.5	7	10	M10×1.25	M10×1.25	12
40	58	22	8	21	28	11.5	8	12	M12×1.25	M12×1.25	12
50	90	27	10	41	44.5	20	10	17	M16×1.5	M16×1.5	7
63	90	27	10	41	44.5	20	10	17	M16×1.5	M16×1.5	7
80	102	29	13	46	53	24	13	22	M20×1.5	M20×1.5	10
100	102	29	13	46	53	24	13	22	M20×1.5	M20×1.5	10

SDA Series
Compact Cylinder

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


SDA32X5


SDA25X60-B


SDA16X30


SDA50X60-B


SDA50X60

Features

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


The back cover cramping

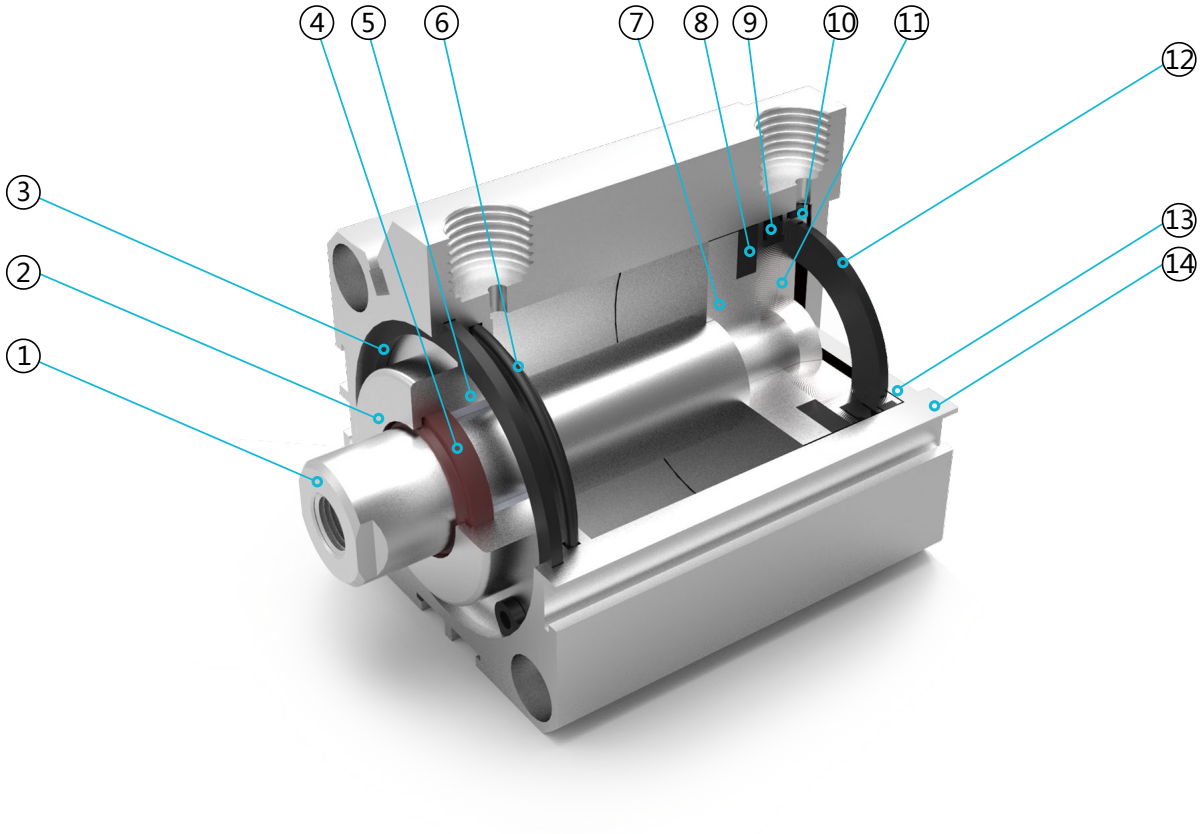
Ordering Code

SDA	-	20	x	30	-	25	-	S	-	B	-	MT
Series		Bore		Stroke		Adjustable Stroke		Magnet		Thread Type		Sensor
SDA : Double acting		12 16		5-130mm				S : With magnet		Blank : Female thread		JEL-11R
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 ℃									
Operating Speed Range	Double Acting	30 ~ 500 mm/s					30 ~ 350 mm/s		30 ~ 250 mm/s		
	Single Acting	50 ~ 500 mm/s								-	
Port Size		M5×0.8				G1/8"		G1/4"		G3/8"	

Internal Structure

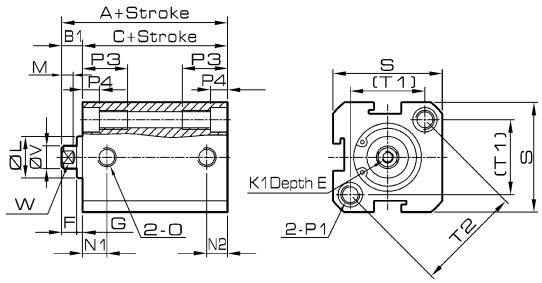


Parts

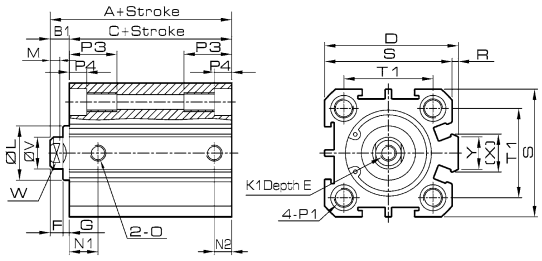
Number	Name	Number	Name
1	Piston rod	8	Magnet
2	Front cover	9	Piston seal
3	C clip	10	Anti-friction seal
4	Shaft seal	11	Magnet base
5	DU bearing	12	Anti-collision gasket
6	O ring	13	Back cover
7	Piston	14	Body

Overall Dimension

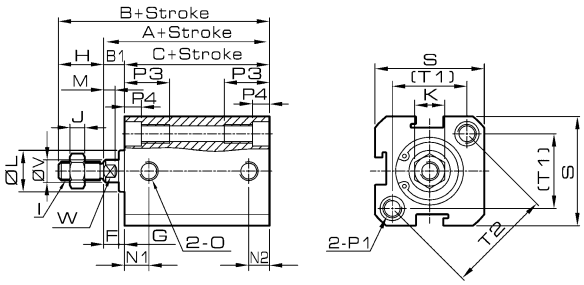
SDA12-16 Female thread



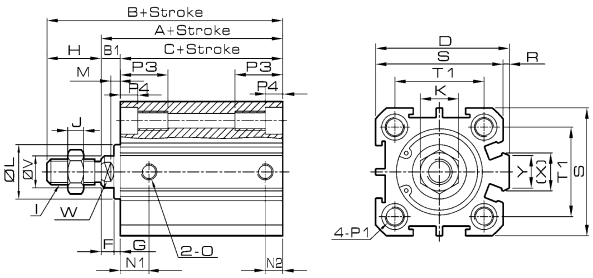
SDA20-100 Female thread



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	7.5		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	8		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	8.5		5.5	
25	27	37	44	54	21	31	6	42	10	4	2	17	M8×1.25	6	14	M5×0.8	17	3	9		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	9		6.5	8
40	33	43	61	71	26	36	7	58.5	12	4	3	28	M14×1.5	8	22	M8×1.25	28	3	9		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

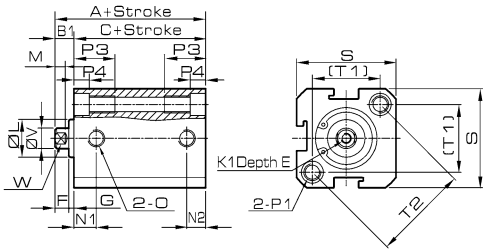
Bore/ Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	2	40	28	-	10	8	12	10
32	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	10	114	90	-	32	27	35.5	26

CE
ISO9001:2008

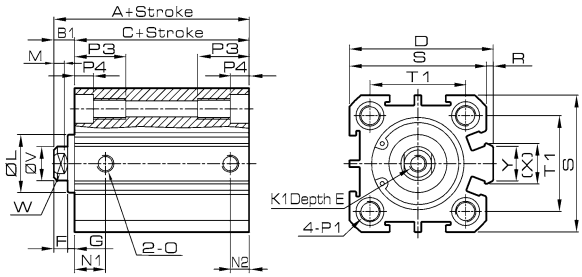
SDA Series
Compact Cylinder

Overall Dimension

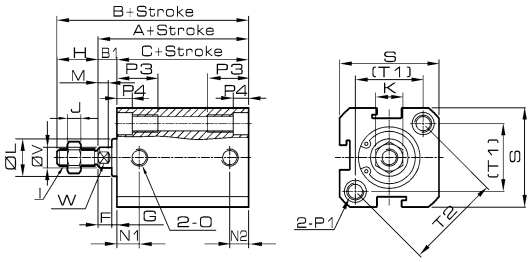
SSA12-16 Female thread



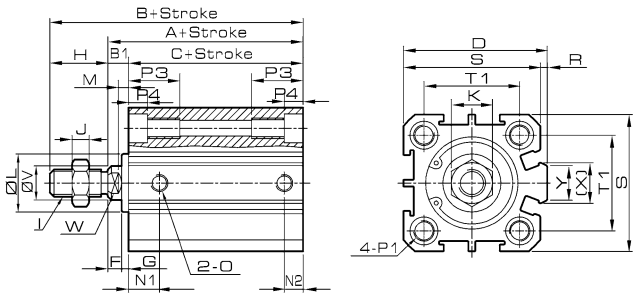
SSA20-63 Female thread



SSA12-16 Male thread



SSA20-63 Male thread



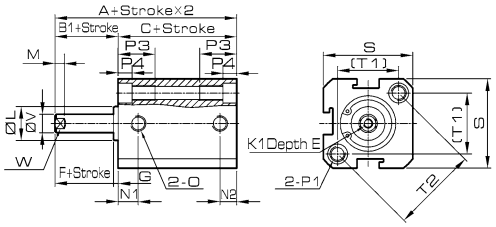
Dimension

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	M8×1.25	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	M8×1.25
50	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	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5
80	62	72	72	82	95	105	105	115	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

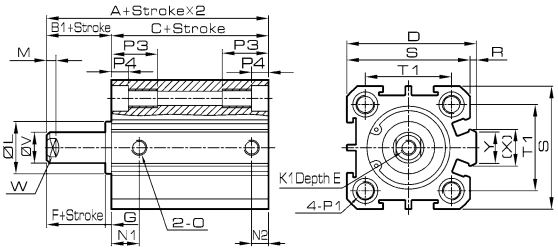
Bore/ Symbol	L	M	N1		N2		O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
Stroke			S=5	S>5	S=5	S>5												
12	10	3	7.5		5		M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	11	3	8		5	5.5	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	13	3	8.5		5.5		M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	17	3	9		5.5		M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	2	40	28	-	10	8	12	10
32	22	3	9		6.5	8	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	6	44	34	-	12	10	18	14
40	28	3	9		7.5		G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	38	3	8	10.5	8	10.5	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	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: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	45	4	11.5	14	11.5	14	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	10	94	74	-	25	22	36	26
100	55	4	15	20	15	18	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	10	114	90	-	32	27	35.5	26

Overall Dimension

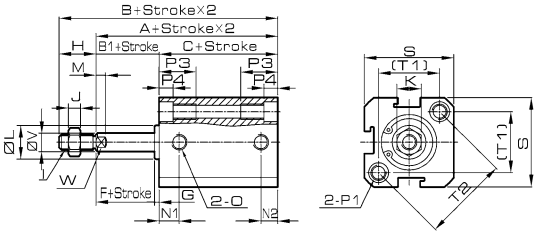
STA12-16 Female thread



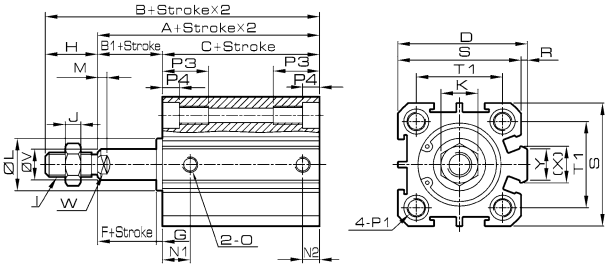
STA20-63 Female thread



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	M8×1.25	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	M8×1.25
50	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	84.5	15	5	4	28	M18×1.5	9	27	M10×1.5
80	62	72	72	82	95	105	105	115	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

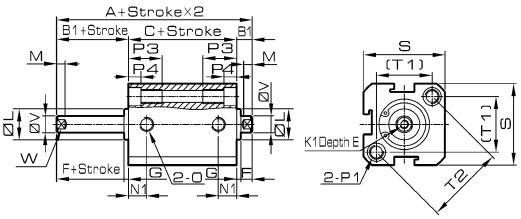
Bore/ Symbo	L	M	N1		N2		O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
Stroke			S=5	S>5	S=5	S>5												
12	10	3	7.5		5		M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	11	3	8		5	5.5	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	13	3	8.5		5.5		M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	17	3	9		5.5		M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	2	40	28	-	10	8	12	10
32	22	3	9		6.5	8	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	6	44	34	-	12	10	18	14
40	28	3	9		7.5		G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	38	3	8	10.5	8	10.5	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	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: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	45	4	11.5	14	11.5	14	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	10	94	74	-	25	22	36	26
100	55	4	15	20	15	18	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	10	114	90	-	32	27	35.5	26

CE
ISO9001:2008

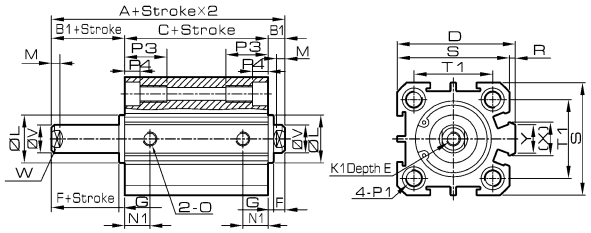
SDA Series
Compact Cylinder

Overall Dimension

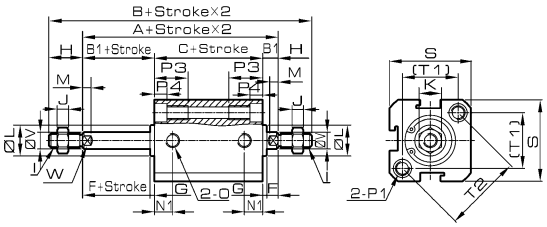
SDAD12-16 Female thread



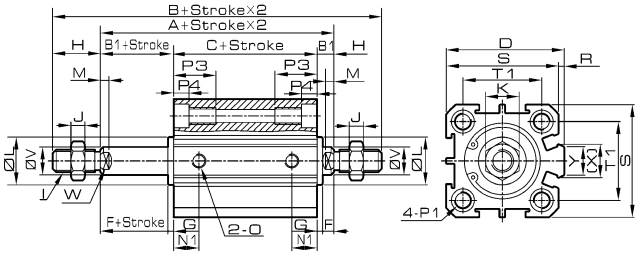
SDAD20-100 Female thread



SDAD12-16 Male thread



SDAD20-100 Male thread



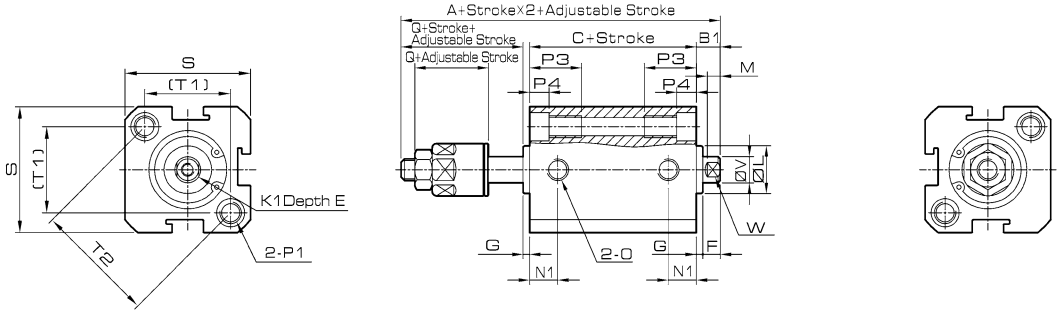
Dimension

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	22	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

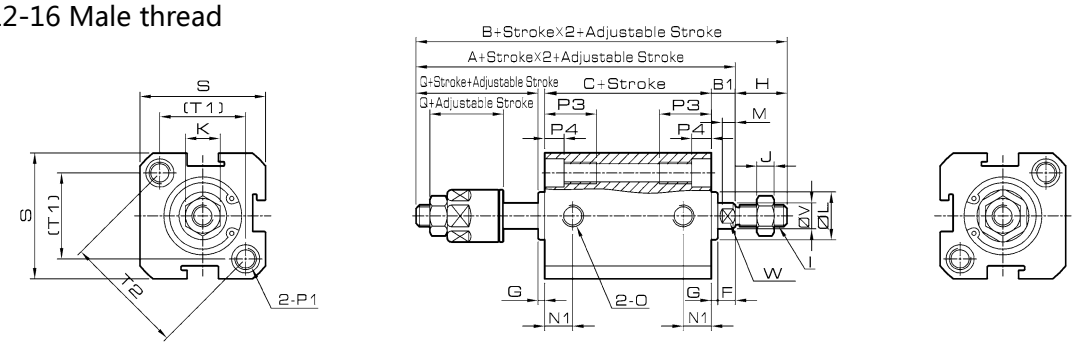
Bore/ Symbol	O	P1	P3	P4	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	2	40	28	-	10	8	12	10
32	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	10	114	90	-	32	27	35.5	26

Overall 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	22	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

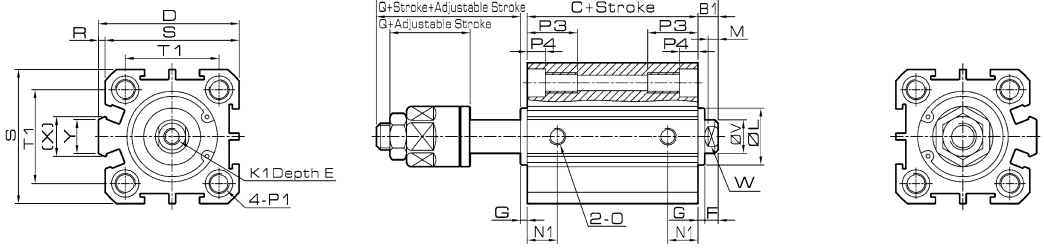
Bore/ Symbol	O	P1	P3	P4	Q	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	17	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	17	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	21	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	24	2	40	28	-	10	8	12	10
32	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	27	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	28	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	29	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	29	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	35.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	42.5	10	114	90	-	32	27	35.5	26

CE
ISO9001:2008

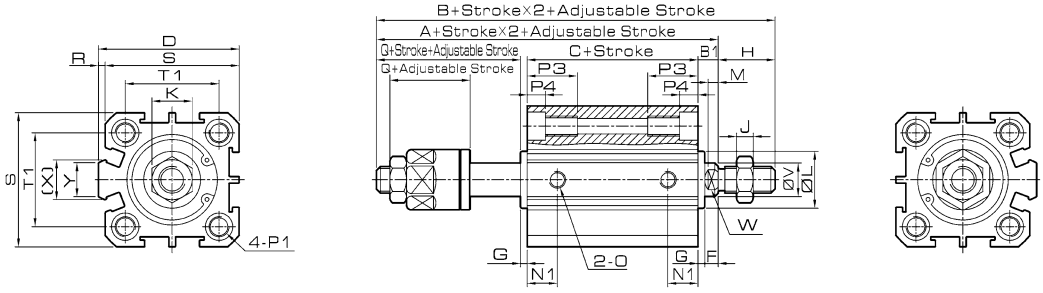
SDA Series
Compact Cylinder

Overall 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	22	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	Q	R	S	T1	T2	V	W	X	Y
12	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	17	-	25	16.3	23	6	5	-	-
16	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	12	4.5	17	-	29	19.8	28	6	5	-	-
20	M5×0.8	Double Side: Φ6.5、Cog: M5×0.8、Through Hole: Φ4.2	14	4.5	21	2	34	24	-	8	6	11.2	10
25	M5×0.8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	15	5.5	24	2	40	28	-	10	8	12	10
32	G1/8	Double Side: Φ8.2、Cog: M6×1、Through Hole: Φ4.6	16	5.5	27	6	44	34	-	12	10	18	14
40	G1/8	Double Side: Φ10、Cog: M8×1.25、Through Hole: Φ6.7	20	7.5	28	6.5	52	40	-	16	14	21	14
50	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	29	9.5	62	48	-	20	17	29.5	19
63	G1/4	Double Side: Φ11、Cog: M8×1.25、Through Hole: Φ6.7	25	8.5	29	9.5	75	60	-	20	17	26	19
80	G3/8	Double Side: Φ15、Cog: M12×1.75、Through Hole: Φ9.2	25	10.5	35.5	10	94	74	-	25	22	36	26
100	G3/8	Double Side: Φ17.5、Cog: M14×2、Through Hole: Φ11.3	30	13	42.5	10	114	90	-	32	27	35.5	26

CQ2 Series
Thin Type Cylinder

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



Features

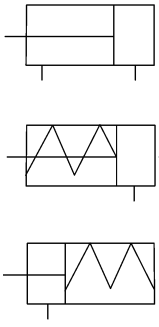
1. Changed coopper bearing and use DU bearing.
2. Changed NBR seal and use PU seal.
3. Changed anti-friction seal and use new POM anti-friction seal.
4. Using new SDA rolling technique for the piston rod and piston.
5. Using SDA rolling technique for the tail barrel (S > 100, end cover use snap ring structure).
6. Gasket use SDA anti-collision gasket structure.
7. Barrel appearance is same with SMC new type-CQ2 series, easy to install the sensor and save material.

Ordering Code

CDQ2 - W - B - 32 x 30 - 10 - M - MT

Inner Magnet	Operation	Mountings	Bore	Stroke	Adjustable Stroke	Thread	Sensor
Blank: Without magnet	Blank: Standard Double acting	B: Thru hole (Standard)	12		10: 10mm	Blank: Female thread	D-A73
D: With magnet	S: Single acting, spring-out	A: Both end thread hole	16		20: 20mm	M: Male thread	* Standard wire is 1 meter, please order for other length
	T: Single acting, spring-in		20		30: 30mm		
	W: Double shaft		25		50: 50mm		
	J: Adjustable		32		75: 75mm		
			40		100: 100mm		
			50				
			63				
			80				
			100				

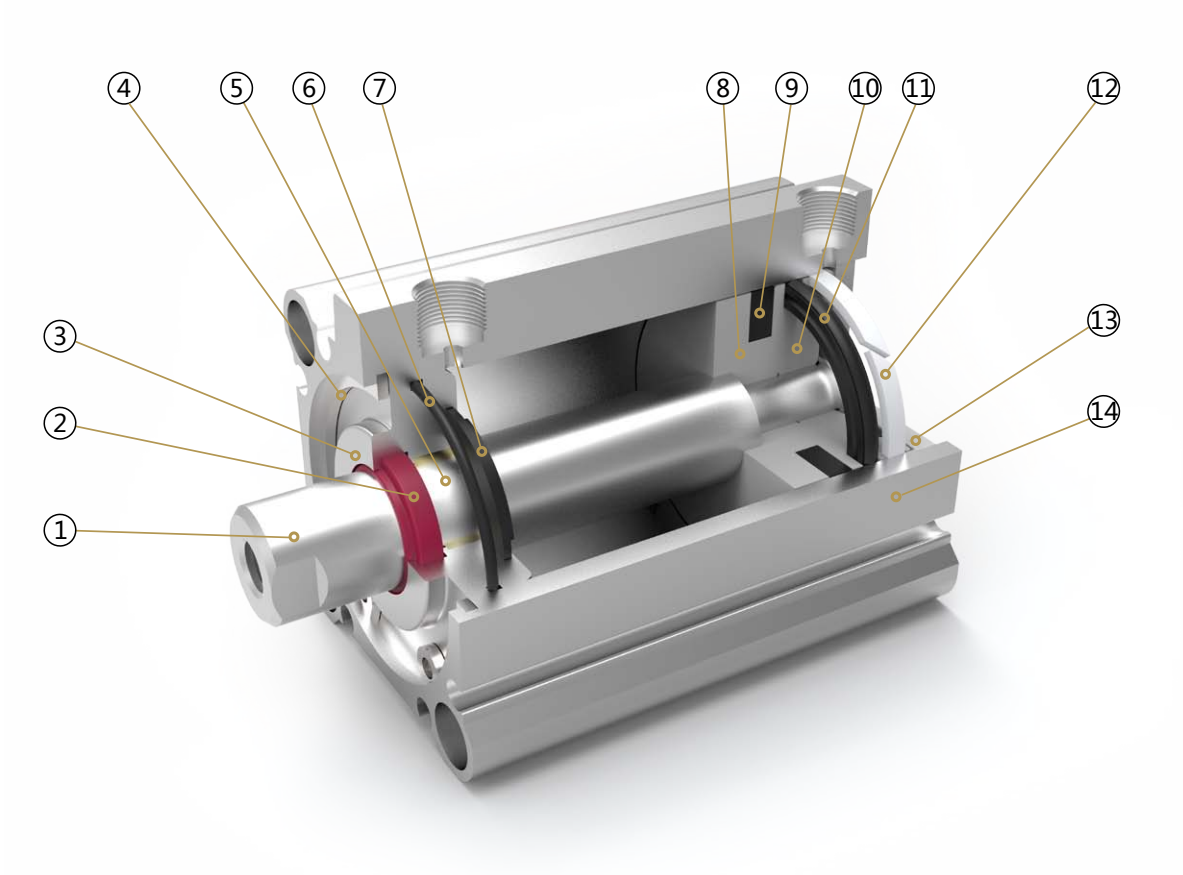
Symbol



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		1.5MPa									
Operating Temperature Range		-20 ~ 70℃									
Operating Speed Range	Double Acting	30 ~ 500mm/s					30 ~ 350mm/s		30 ~ 250mm/s		
	Single Acting	50 ~ 500mm/s								-	
Port Size		M5x0.8				G1/8		G1/4		G3/8	

Internal Structure



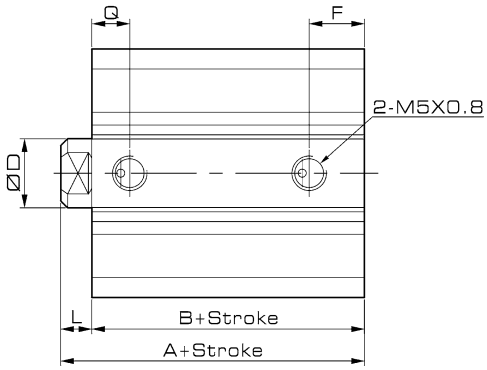
Parts

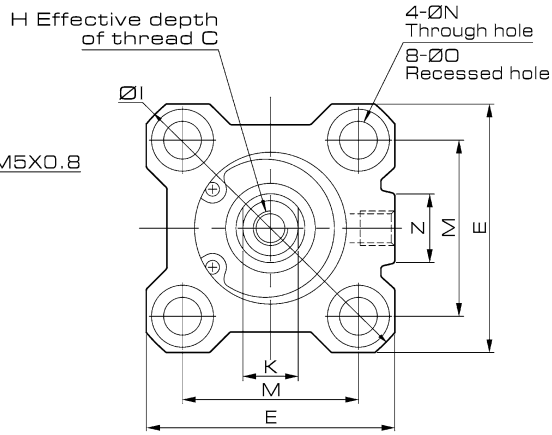
Number	Name	Number	Name
1	Piston rod	8	Piston
2	Shaft seal	9	Magnet
3	Front cover	10	Magnet base
4	C clip	11	Piston seal
5	DU bearing	12	Anti-friction seal
6	O ring	13	Back cover
7	Anti-collision gasket	14	Body

Overall Dimension

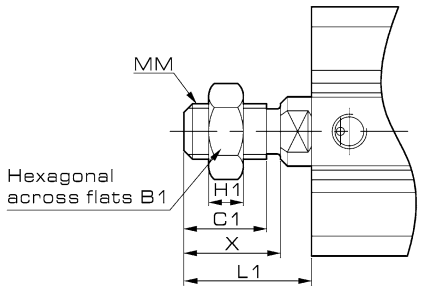
Ø12~Ø25 Without magnet

Standard (Thru hole) / CQ2B

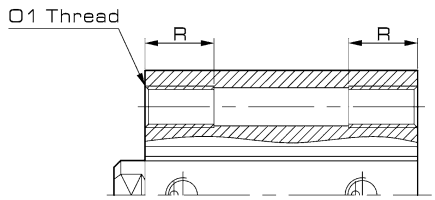




Male Piston Rod Thread



Both Ends of Thread / CQ2A



Dimension

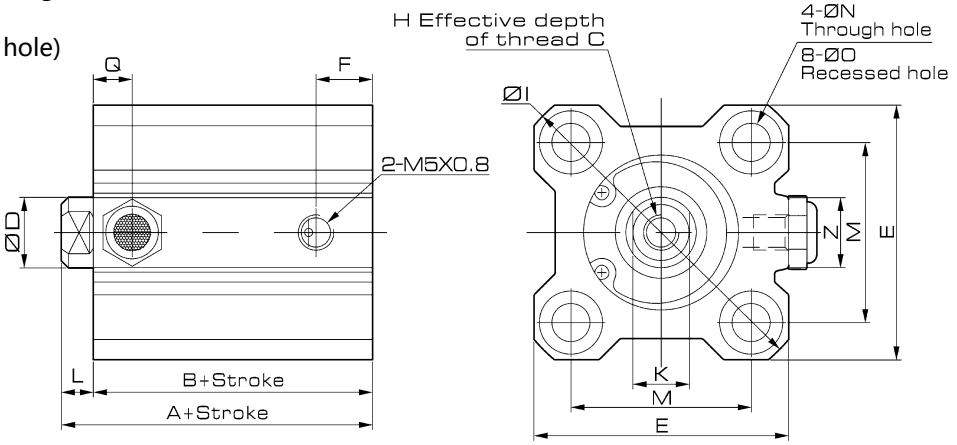
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5~30	20.5	17	6	6	25	5	M3×0.5	32	5	3.5	15.5
16	5~30	22	18.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
20	5~50	24	19.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
25	5~50	27.5	22.5	12	12	40	5.5	M6×1	52	10	5	28

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	12	M4×0.7	7
20	5.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1	10
25	5.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1	10

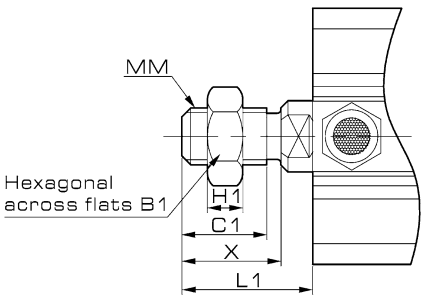
Overall Dimension

Ø12~Ø25 Without magnet

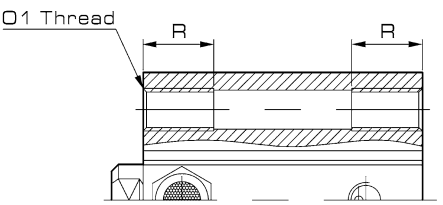
Spring-out (Thru hole) CQ2SB



Male Piston Rod Thread



Both Ends of Thread / CQ2SA



Dimension

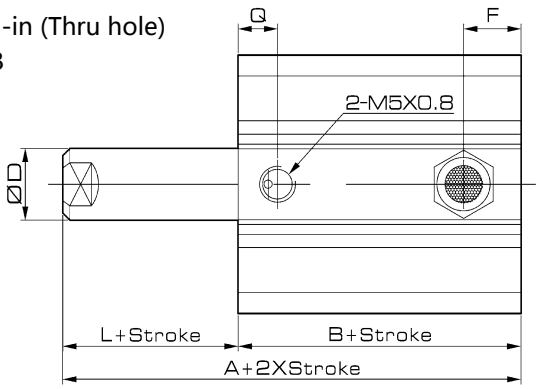
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5/10	30.5	27	6	6	25	5	M3×0.5	32	5	3.5	15.5
	15/20	40.5	37									
16	5/10	32	28.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
	15/20	42	38.5									
20	5/10	34	29.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
	15/20/25/30	44	39.5									
25	5/10	37.5	32.5	12	12	40	5.5	M6×1	52	10	5	28
	15/20/25/30	47.5	42.5									

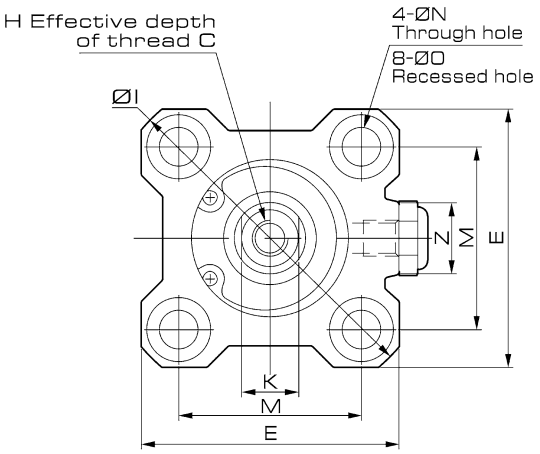
Bore/Symbol	N	O	Q	Z	B1	C1	H1	L1	MM	X	O1	R
12	3.5	6.5 deep 3.5	7.5	-	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	3.5	6.5 deep 3.5	8	10	10	10	5	15.5	M6×1	12	M4×0.7	7
20	5.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1	10
25	5.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1	10

Overall Dimension

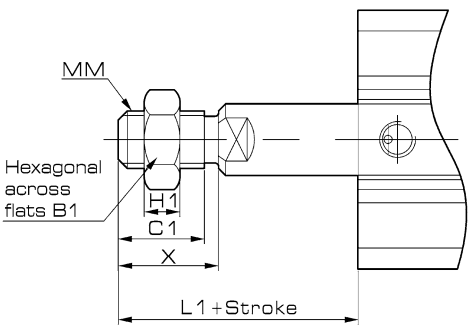
Ø12~Ø25 Without magnet

Spring-in (Thru hole) CQ2TB

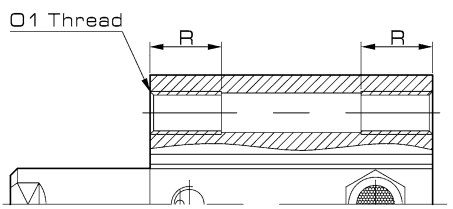




Male Piston Rod Thread



Both Ends of Thread / CQ2TA



Dimension

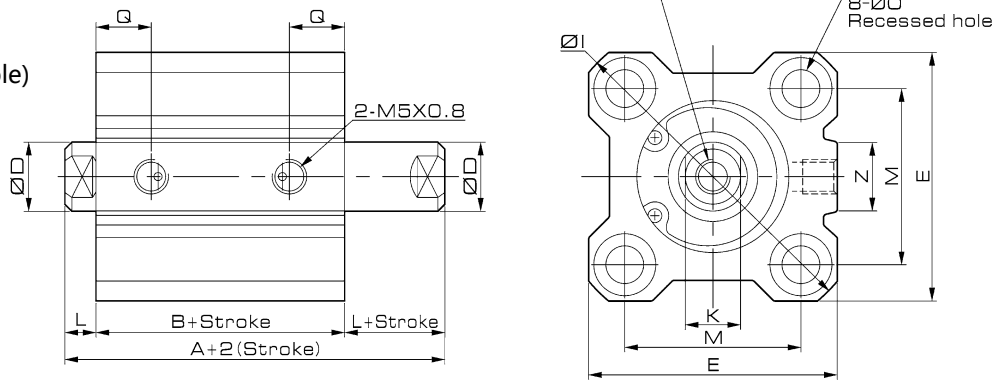
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	F	H	I	K	L	M
12	5/10	30.5	27	6	6	25	5	M3×0.5	32	5	3.5	15.5
	15/20	40.5	37									
16	5/10	32	28.5	8	8	29	5.5	M4×0.7	38	6	3.5	20
	15/20	42	38.5									
20	5/10	34	29.5	7	10	36	5.5	M5×0.8	47	8	4.5	25.5
	15/20/25/30	44	39.5									
25	5/10	37.5	32.5	12	12	40	5.5	M6×1	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	12	M4×0.7	7
20	5.5	9 deep 7	8	10	13	12	5	18.5	M8×1.25	14	M6×1	10
25	5.5	9 deep 7	9	10	17	15	6	22.5	M10×1.25	17.5	M6×1	10

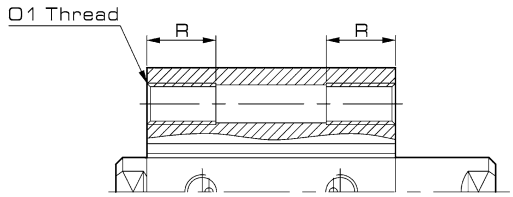
Overall Dimension

Ø12~Ø25 Without magnet

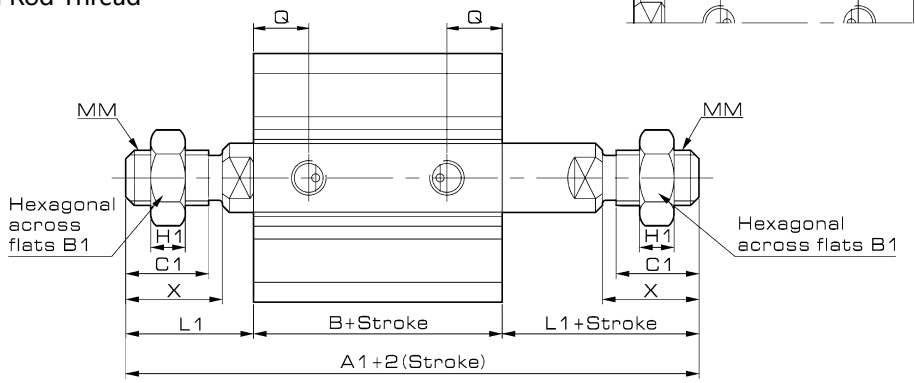
Standard (Thru hole) CQ2WB



Both Ends of Thread / CQ2WA



Male Piston Rod Thread



Dimension

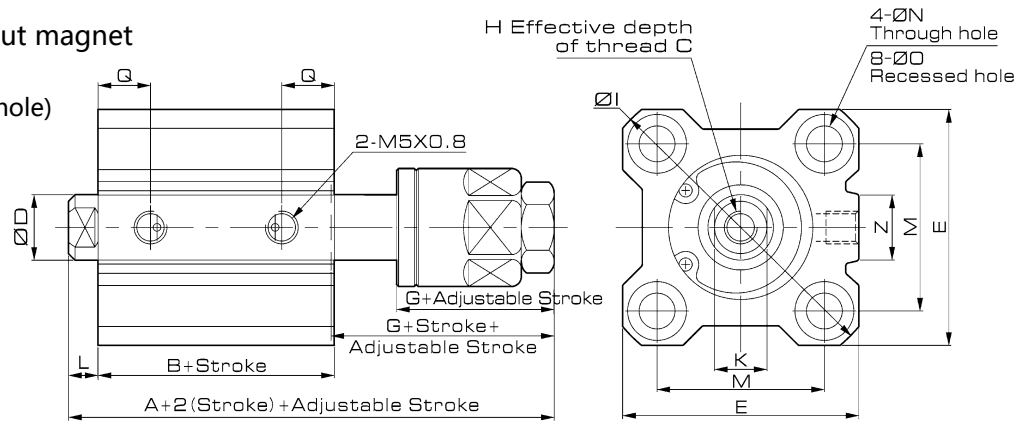
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	H	I	K	L	M	N
12	5~30	32.2	25.2	6	6	25	M3×0.5	32	5	3.5	15.5	3.5
16	5~30	33	26	8	8	29	M4×0.7	38	6	3.5	20	3.5
20	5~50	35	26	7	10	36	M5×0.8	47	8	4.5	25.5	5.5
25	5~50	39	29	12	12	40	M6×1	52	10	5	28	5.5

Bore/Symbol	O	Q	Z	A1	B1	C1	H1	L1	MM	X	O1	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	12	M4×0.7	7
20	9 deep 7	8	10	63	13	12	5	18.5	M8×1.25	14	M6×1	10
25	9 deep 7	9	10	74	17	15	6	22.5	M10×1.25	17.5	M6×1	10

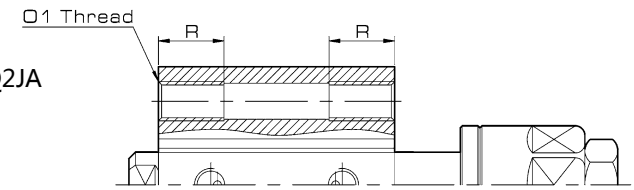
Overall Dimension

Ø12~Ø25 Without magnet

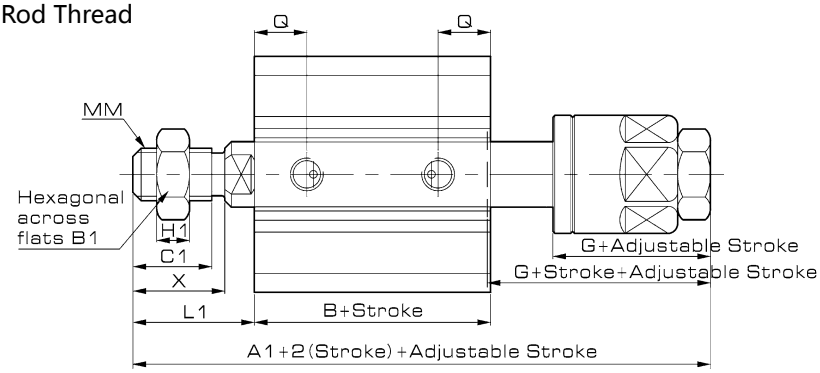
Standard (Thru hole)
CQ2JB



Both Ends of Thread / CQ2JA



Male Piston Rod Thread



Dimension

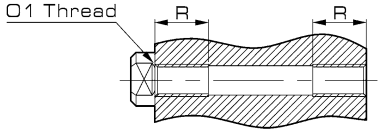
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	G	H	I	K	L	M	N
12	5~30	45.2	25.2	6	6	25	17	M3×0.5	32	5	3.5	15.5	3.5
16	5~30	50	26	8	8	29	21	M4×0.7	38	6	3.5	20	3.5
20	5~50	54	26	7	10	36	24	M5×0.8	47	8	4.5	25.5	5.5
25	5~50	60.5	29	12	12	40	27	M6×1	52	10	5	28	5.5

Bore/Symbol	O	Q	Z	A1	B1	C1	H1	L1	MM	X	O1	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	12	M4×0.7	7
20	9 deep 7	8	10	68	13	12	5	18.5	M8×1.25	14	M6×1	10
25	9 deep 7	9	10	78	17	15	6	22.5	M10×1.25	17.5	M6×1	10

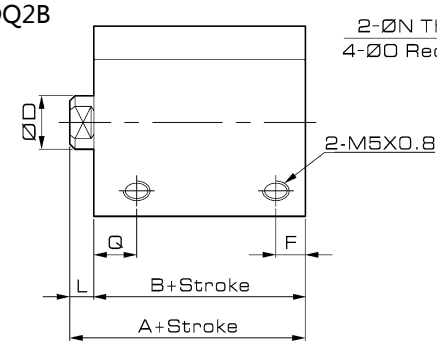
Overall Dimension

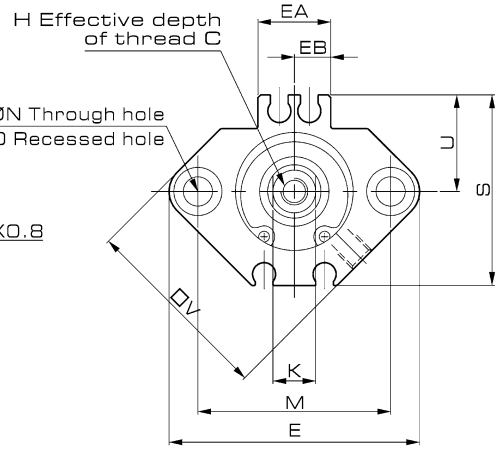
Ø12~Ø25 With magnet

Both Ends of Thread / CDQ2A

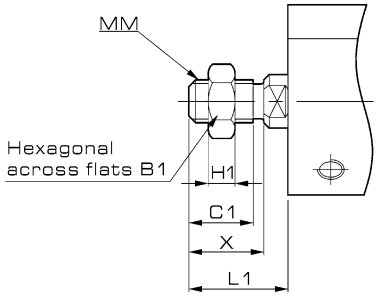


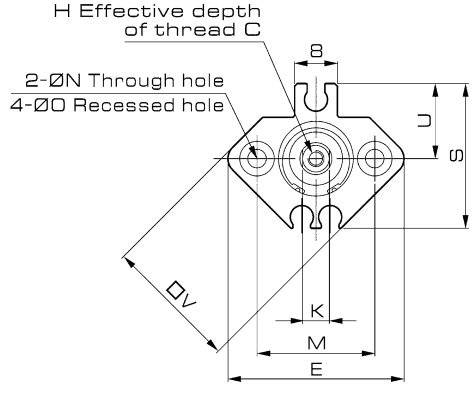
Standard (Thru hole) / CDQ2B Ø16~Ø25





Male Piston Rod Thread Ø12





Dimension

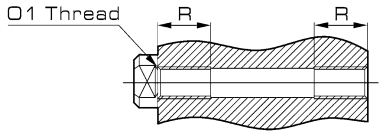
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M	N
12	5~30	31.5	28	6	6	33	-	-	7	M3×0.5	5	3.5	22	3.5
16	5~30	34	30.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28	3.5
20	5~50	36	31.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36	5.5
25	5~50	37.5	32.5	12	12	52	13.6	6.8	5.5	M6×1	10	5	40	5.5

Bore/Symbol	O	Q	S	U	V	B1	C1	H1	L1	MM	X	O1	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	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	10
25	9 deep 7	9	40.5	21	40	17	15	6	22.5	M10×1.25	17.5	M6×1	10

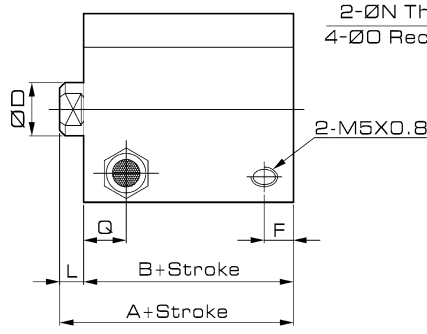
Overall Dimension

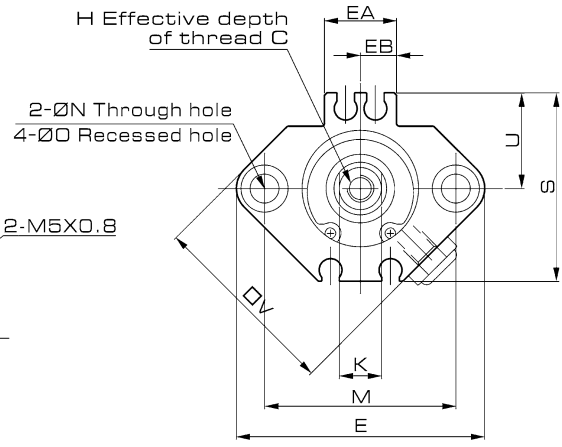
Ø12~Ø25 With magnet

Both Ends of Thread
CDQ2SA



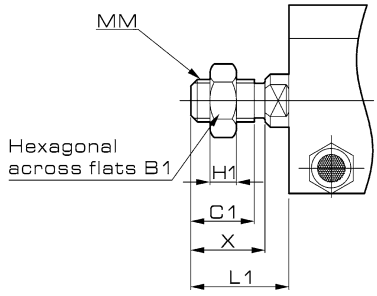
Spring-out (Thru hole)
CDQ2SB
Ø16~Ø25

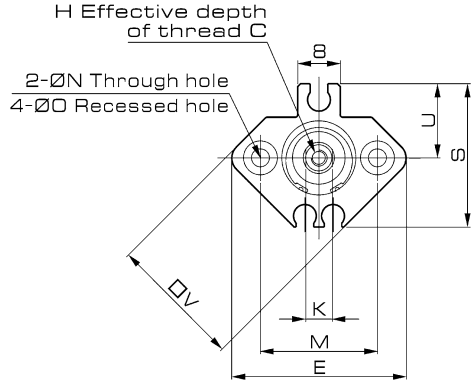




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

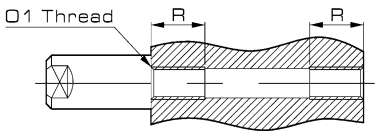
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M
12	5/10	41.5	38	6	6	33	-	-	7	M3×0.5	5	3.5	22
	15/20	51.5	48										
16	5/10	44	40.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28
	15/20	54	50.5										
20	5/10	46	41.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36
	15/20/25/30	56	51.5										
25	5/10	47.5	42.5	12	12	52	13.6	6.8	5.5	M6×1	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	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	10
25	5.5	9 deep 7	9	40.5	21	40	17	15	6	22.5	M10×1.25	17.5	M6×1	10

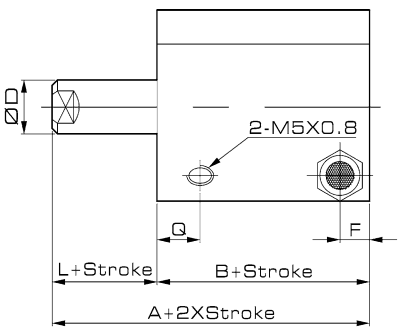
Overall Dimension

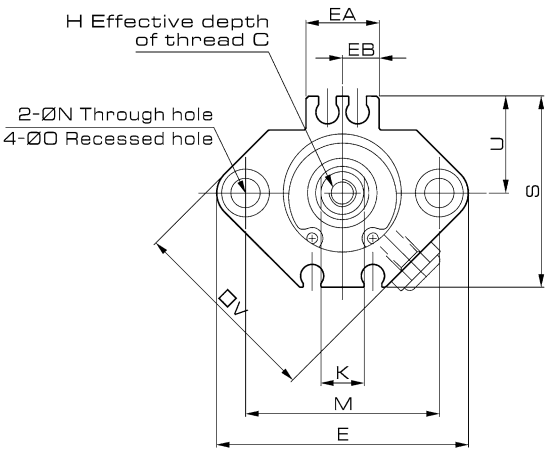
Ø12~Ø25 With magnet

Both Ends of Thread
CDQ2TA



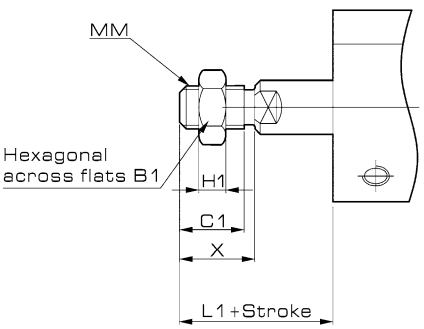
Spring-in (Thru hole)
CDQ2TB
Ø16~Ø25

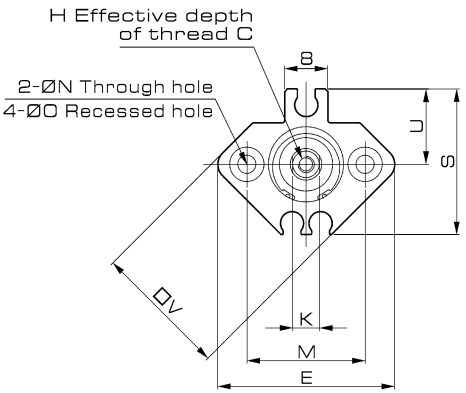




Ø16~Ø25

Male Piston Rod Thread





Ø12

Dimension

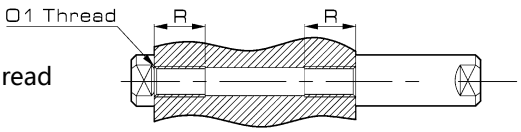
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M
12	5/10	41.5	38	6	6	33	-	-	7	M3×0.5	5	3.5	22
	15/20	51.5	48										
16	5/10	44	40.5	8	8	37	13.2	6.6	5.5	M4×0.7	6	3.5	28
	15/20	54	50.5										
20	5/10	46	41.5	7	10	47	13.6	6.8	5.5	M5×0.8	8	4.5	36
	15/20/25/30	56	51.5										
25	5/10	47.5	42.5	12	12	52	13.6	6.8	5.5	M6×1	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	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	10
25	5.5	9 deep 7	9	40.5	21	40	17	15	6	22.5	M10×1.25	17.5	M6×1	10

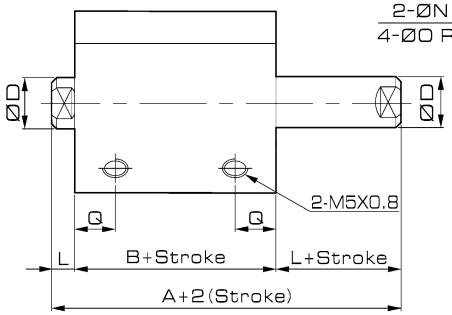
Overall Dimension

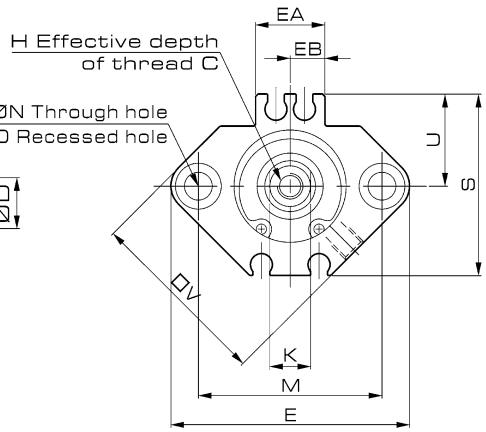
Ø12~Ø25
With magnet

Both Ends of Thread
CDQ2WA



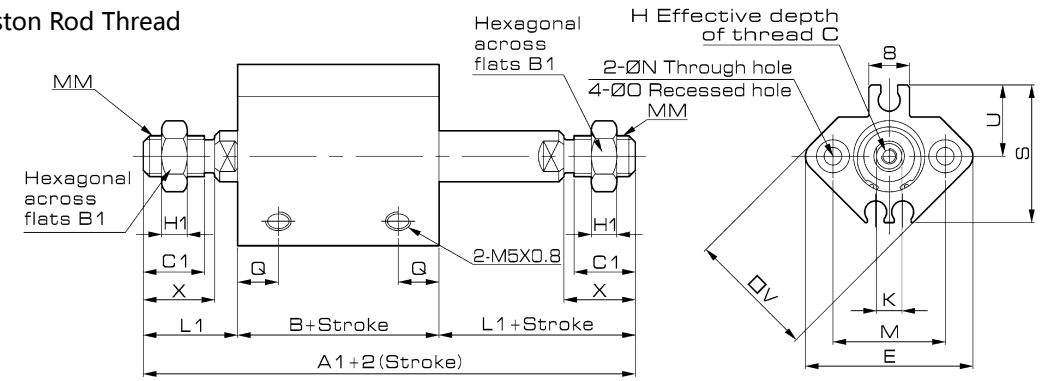
Standard (Thru hole) / CDQ2WB
Ø16~Ø25





Ø16~Ø25

Male Piston Rod Thread



Ø12

Dimension

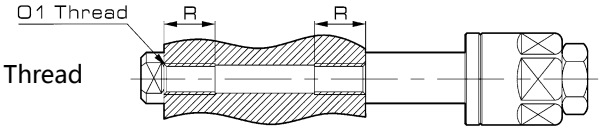
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	H	K	L	M	N	O
12	5~30	39.4	32.4	6	6	33	-	-	M3×0.5	5	3.5	22	3.5	6.5 deep 3.5
16	5~30	43	36	8	8	37	13.2	6.6	M4×0.7	6	3.5	28	3.5	6.5 deep 3.5
20	5~50	47	38	7	10	47	13.6	6.8	M5×0.8	8	4.5	36	5.5	9 deep 7
25	5~50	49	39	12	12	52	13.6	6.8	M6×1	10	5	40	5.5	9 deep 7

Bore/Symbol	Q	S	U	V	A1	B1	C1	H1	L1	MM	X	O1	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	12	M4×0.7	7
20	8	35.5	18	36	75	13	12	5	18.5	M8×1.25	14	M6×1	10
25	9	40.5	21	40	84	17	15	6	22.5	M10×1.25	17.5	M6×1	10

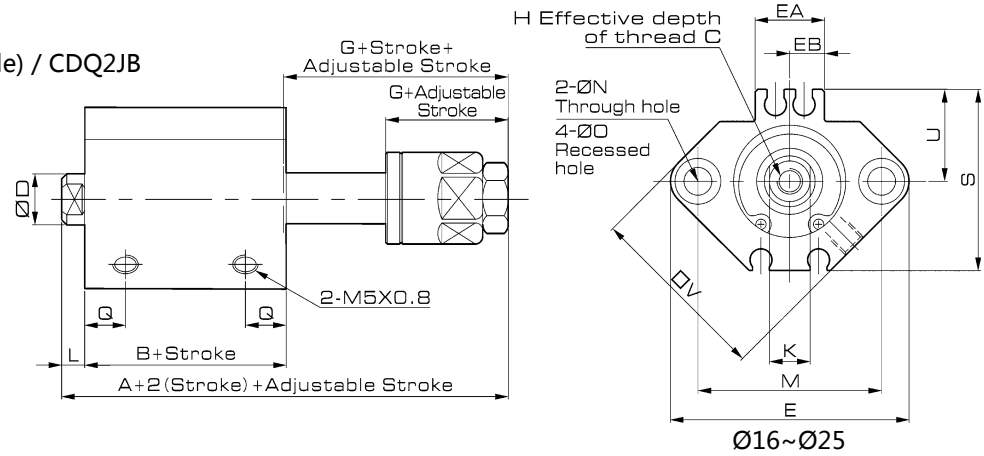
Overall Dimension

Ø12~Ø25 With magnet

Both Ends of Thread
CDQ2JA

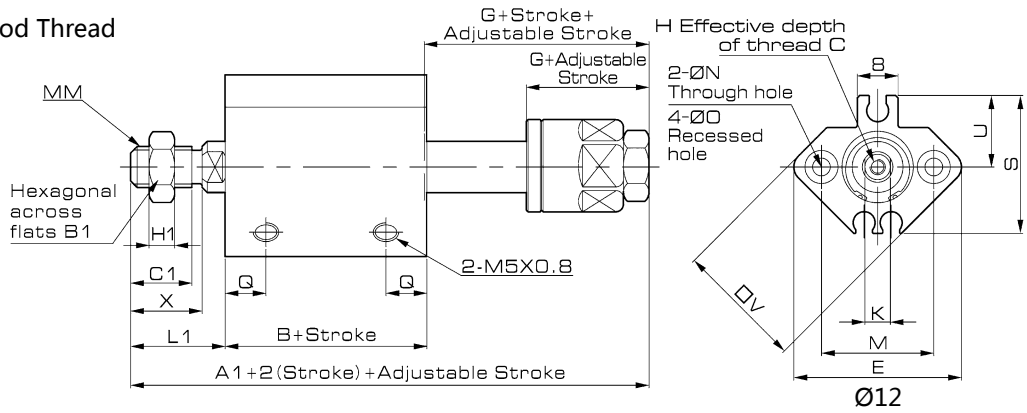


Standard (Thru hole) / CDQ2JB
Ø16~Ø25



Ø16~Ø25

Male Piston Rod Thread



Ø12

Dimension

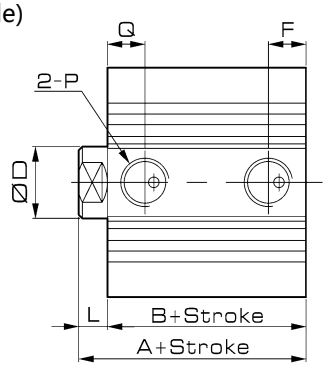
Bore/Symbol	Stroke Range (mm)	A	B	C	D	E	EA	EB	G	H	K	L	M	N
12	5~30	52.4	32.4	6	6	33	-	-	17	M3×0.5	5	3.5	22	3.5
16	5~30	60	36	8	8	37	13.2	6.6	21	M4×0.7	6	3.5	28	3.5
20	5~50	66	38	7	10	47	13.6	6.8	24	M5×0.8	8	4.5	36	5.5
25	5~50	70.5	39	12	12	52	13.6	6.8	27	M6×1	10	5	40	5.5

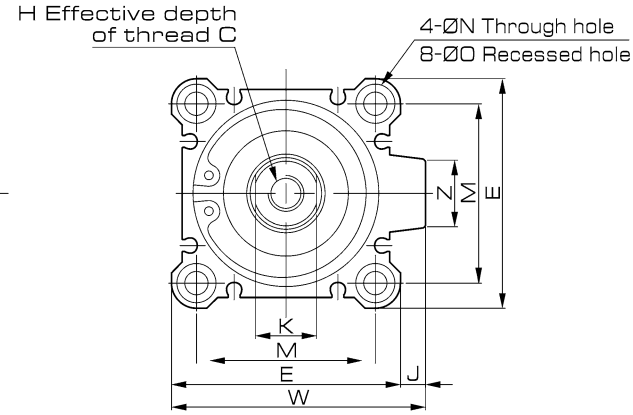
Bore/Symbol	O	Q	S	U	V	A1	B1	C1	H1	L1	MM	X	O1	R
12	6.5 deep 3.5	9	27.5	14	25	62.9	8	9	4	14	M5×0.8	10.5	M4×0.7	7
16	6.5 deep 3.5	9.5	29.5	15	29	72	10	10	5	15.5	M6×1	12	M4×0.7	7
20	9 deep 7	8	35.5	18	36	80	13	12	5	18.5	M8×1.25	14	M6×1	10
25	9 deep 7	9	40.5	21	40	88	17	15	6	22.5	M10×1.25	17.5	M6×1	10

Overall Dimension

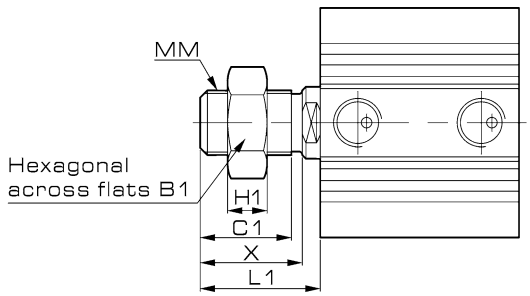
Ø32~Ø100 Without magnet / With magnet

Standard (Thru hole)
CQ2B / CDQ2B

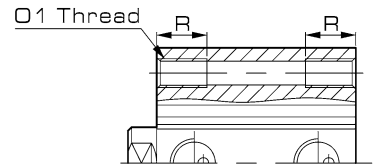




Male Piston Rod Thread



Both Ends of Thread
CQ2A / CDQ2A



Dimension

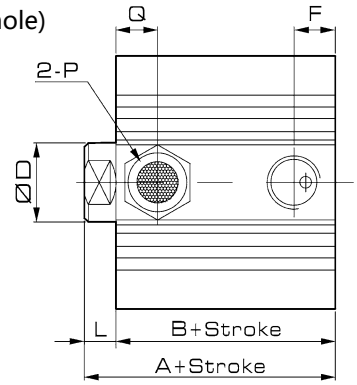
Bore/Symbol	Stroke Range (mm)	Without magnet A	Without magnet B	Without magnet F	Without magnet Q	With magnet A	With magnet B	With magnet F	With magnet Q	C	D	E	H	J	K
32	5	30	23	6.5	7.5	40	33	7.5	10	13	16	45	M8×1.25	4.5	14
	10~50			7.5	10										
	50~100	40	33												
40	5	36.5	29.5	8	11	46.5	39.5	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	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												

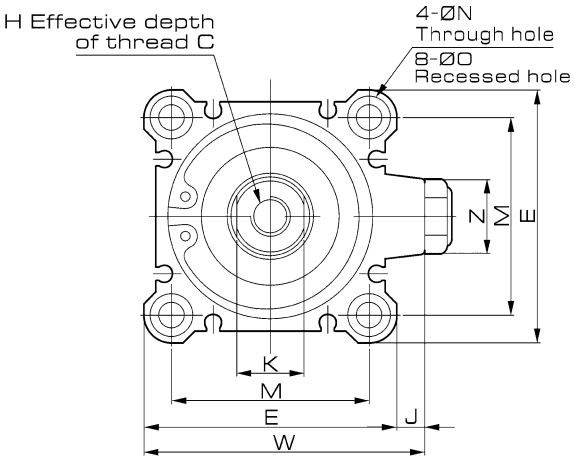
Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
32	7	34	5.5	9 deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
40	7	40	5.5	9 deep 7	1/8	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
50	8	50	6.6	11 deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
63	8	60	9	14 deep 10.5	1/4	84	19	27	26	11	33.5	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

Overall Dimension

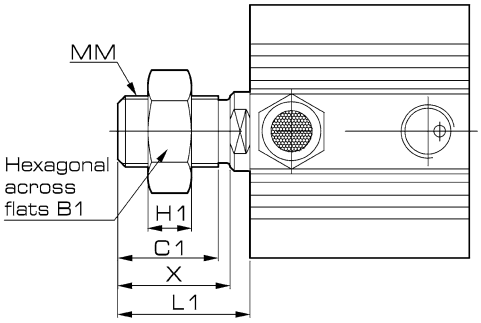
Ø32~Ø100 Without magnet / With magnet

Spring-out (Thru hole)
CQ2SB / CDQ2SB

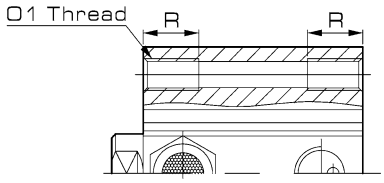




Male Piston Rod Thread



Both Ends of Thread
CQ2SA / CDQ2SA



Dimension

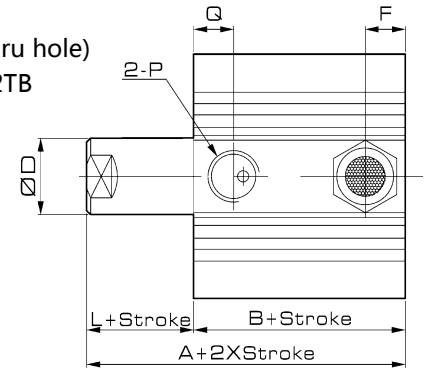
Bore/Symbol	Stroke Range (mm)	Without magnet				With magnet				C	D	E	H	J	K
		A	B	F	Q	A	B	F	Q						
32	5/10	40	33	7.5	10	50	43	7.5	10	13	16	45	M8×1.25	4.5	14
	15/20/25/30	50	43			60	53								
40	5/10	36.5	29.5	7.5	12.5	56.5	49.5	7.5	12.5	13	16	52	M8×1.25	5	14
	15/20/25/30	46.5	39.5			66.5	59.5								
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								

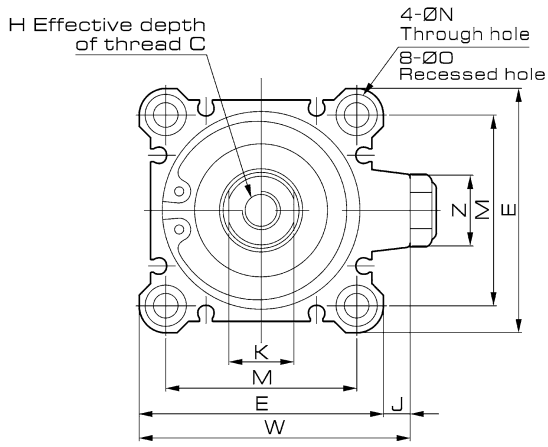
Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
12	7	34	5.5	9 deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
16	7	40	5.5	9 deep 7	1/8	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
20	8	50	6.6	11 deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
25	8	60	9	14 deep 10.5	1/4	84	19	27	26	11	33.5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

Overall Dimension

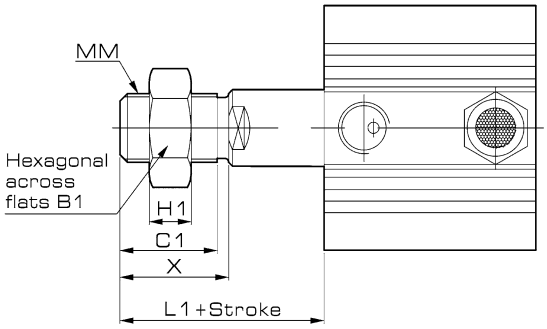
Ø32~Ø100 Without magnet / With magnet

Spring-out (Thru hole)
CQ2TB / CDQ2TB

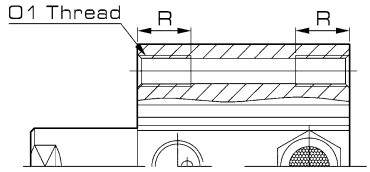




Male Piston Rod Thread



Both Ends of Thread
CQ2TA / CDQ2TA



Dimension

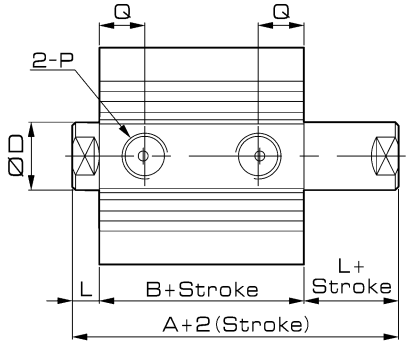
Bore/Symbol	Stroke Range (mm)	Without magnet				With magnet				C	D	E	H	J	K
		A	B	F	Q	A	B	F	Q						
32	5/10	40	33	7.5	10	50	43	7.5	10	13	16	45	M8×1.25	4.5	14
	15/20/25/30	50	43			60	53								
40	5/10	36.5	29.5	7.5	12.5	56.5	49.5	7.5	12.5	13	16	52	M8×1.25	5	14
	15/20/25/30	46.5	39.5			66.5	59.5								
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								

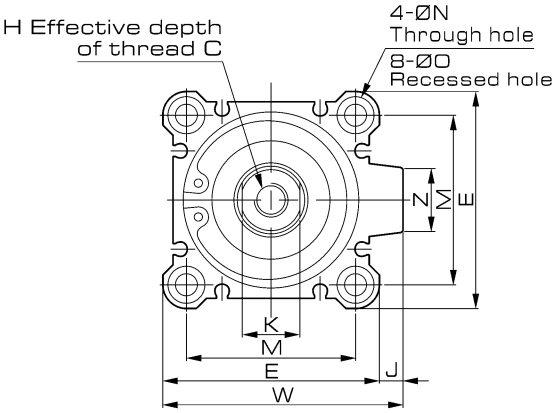
Bore/Symbol	L	M	N	O	P	W	Z	B1	C1	H1	L1	MM	X	O1	R
12	7	34	5.5	9 deep 7	1/8	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
16	7	40	5.5	9 deep 7	1/8	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
20	8	50	6.6	11 deep 8	1/4	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
25	8	60	9	14 deep 10.5	1/4	84	19	27	26	11	33.5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

Overall Dimension

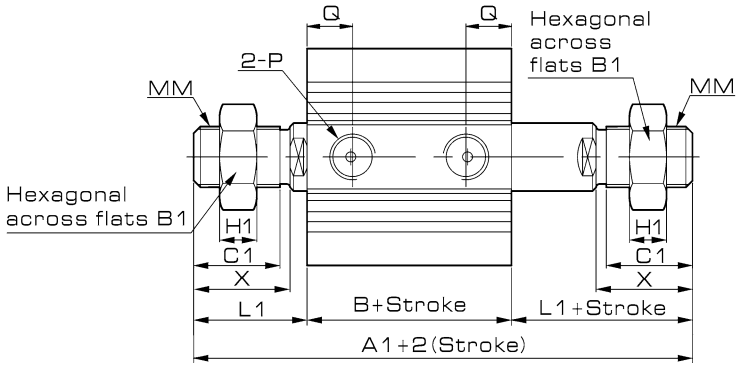
Ø32~Ø100 Without magnet / With magnet

Standard (Thru hole)
CQ2WB / CDQ2WB

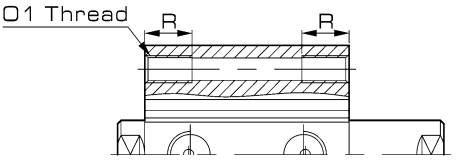




Male Piston Rod Thread



Both Ends of Thread
CQ2WA / CDQ2WA



Dimension

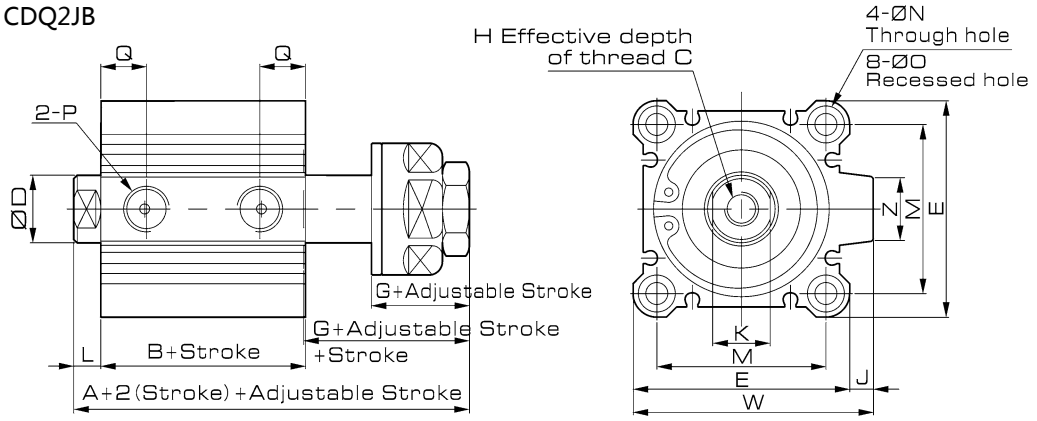
Bore/Symbol	Stroke Range (mm)	Without magnet			With magnet			C	D	E	H	J	K	L	M	N	o
		A	A1	B	A	A1	B										
32	5~50	44.5	87.5	30.5	54.5	97.5	40.5	13	16	45	M8×1.25	4.5	14	7	34	5.5	9 deep 7
	50~100	54.5	97.5	40.5													
40	5~50	54	97	40	64	107	50	13	16	52	M8×1.25	5	14	7	40	5.5	9 deep 7
	50~100	64	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	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 Stroke10~50mm and 50~100mm: 16	84	19	27	26	11	33.5	M18×1.5	28.5	M10×1.5	18
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

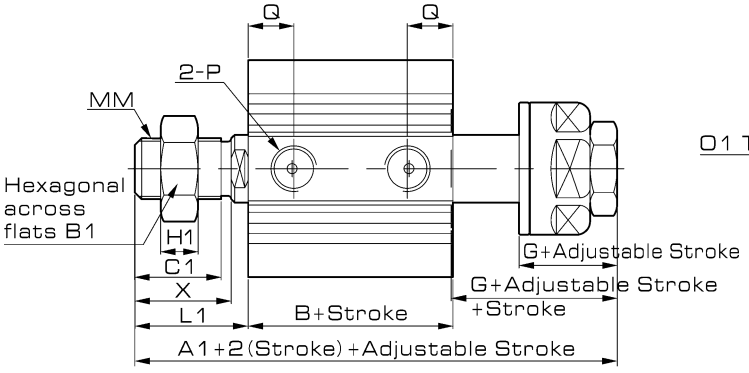
Overall Dimension

Ø32~Ø100 Without magnet / With magnet

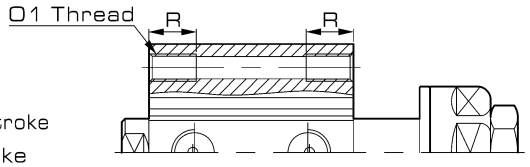
Standard (Thru hole)
CQ2JB / CDQ2JB



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	75	96.5	40.5	13	16	45	28	M8×1.25	4.5	14	7	34	5.5
	50~100	75	96.5	40.5													
40	5~50	74.5	96	40	84.5	106	50	13	16	52	28	M8×1.25	5	14	7	40	5.5
	50~100	84.5	106	50													
50	5~50	77	102.5	40.5	87	112.5	50.5	15	20	64	29	M10×1.5	7	17	8	50	6.6
	50~100	87	112.5	50.5													
63	5~50	78.5	104	42	88.5	114	52	15	20	77	29	M10×1.5	7	17	8	60	9
	50~100	88.5	114	52													
80	5~50	96	129.5	51	106	139.5	61	21	25	98	35.5	M16×2	6	22	10	77	11
	50~100	106	139.5	61													
100	5~50	114.5	146	60.5	124.5	156	70.5	27	32	117	42.5	M20×2.5	6.5	27	12	94	11
	50~100	124.5	156	70.5													

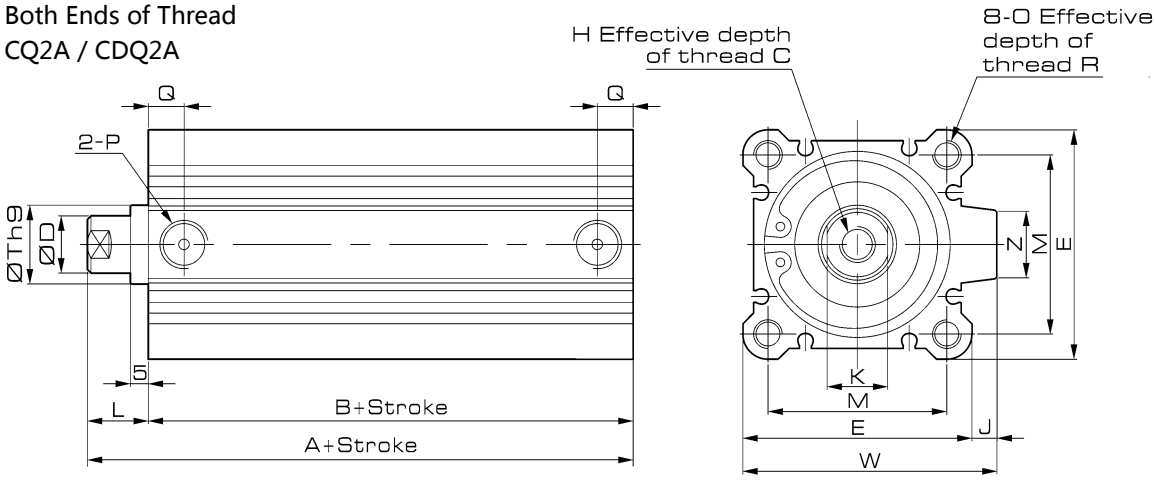
Bore/Symbol	O	P	Q	W	Z	B1	C1	H1	L1	MM	X	O1	R
32	9 deep 7	1/8	10	49.5	14	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
40	9 deep 7	1/8	13	57	15	22	20.5	8	28.5	M14×1.5	23.5	M6×1	10
50	11 deep 8	1/4	13	71	19	27	26	11	33.5	M18×1.5	28.5	M8×1.25	14
63	14 deep 10.5	1/4	Stroke 5~50mm : 14.5 Stroke 50~100mm : 16	84	19	27	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

Overall Dimension

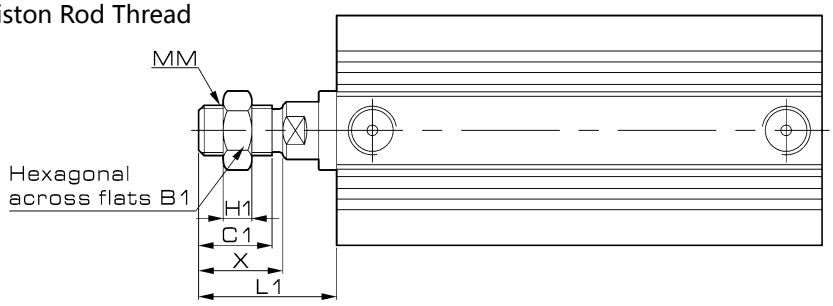
Ø32~Ø100 Without magnet / With magnet

Cylinder with or without magnet is the same size

Both Ends of Thread
CQ2A / CDQ2A



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	64	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	6	22	20	77	3/8	19
100		97.5	75.5	27	32	117	M20×2.5	6.5	27	22	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	10	$22^{0}_{-0.052}$
40	57	15	22	20.5	8	38.5	M14×1.5	23.5	M6×1	10	$28^{0}_{-0.052}$
50	71	19	27	26	11	43.5	M18×1.5	28.5	M8×1.25	14	$35^{0}_{-0.052}$
63	84	19	27	26	11	43.5	M18×1.5	28.5	M10×1.5	18	$35^{0}_{-0.052}$
80	104	25	32	32.5	13	53.5	M22×1.5	35.5	M12×1.75	22	$43^{0}_{-0.052}$
100	123.5	25	41	32.5	16	53.5	M26×1.5	35.5	M12×1.75	22	$59^{0}_{-0.052}$

TCQ2 Series
Guide Cylinder





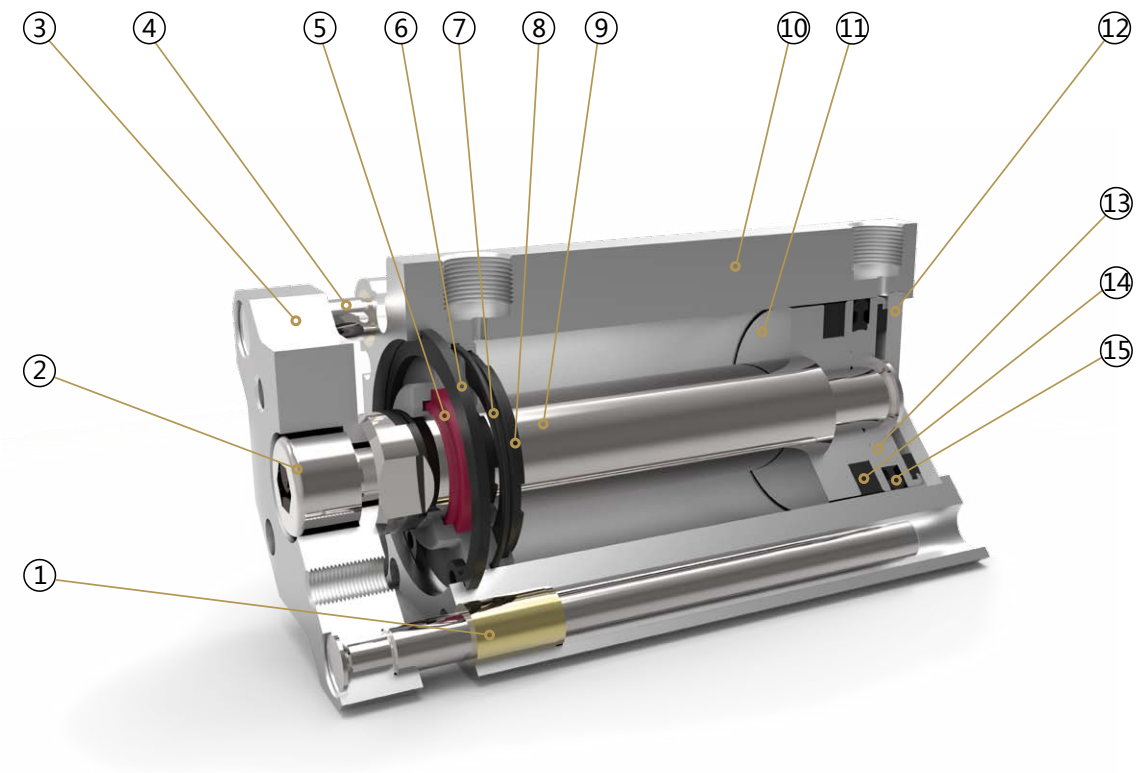
Ordering Code

T	C D Q2	-	C	-	32	x	30	-	MT
Function Code	Inner Magnet		Mounting		Bore		Stroke		Sensor
Thin type with guide cylinder	Blank: Without magnet D: With magnet		Counterbore with thread type		32 40 50 63 80 100		5-50 75,100		AR-07R * Standard wire is 1 meter, please order for other length

Specification

Bore (mm)		32	40	50	63	80	100
Operation		Double Acting					
Working Medium		Air					
Operating Pressure Range	Double Acting	0.1 ~ 1.0MPa					
Proof Pressure		1.5MPa					
Operating Temperature Range		-20 ~ 70℃					
Operating Speed Range	Double Acting	30 ~ 500mm/s	30 ~ 350mm/s		30 ~ 250mm/s		
Port Size		G1/8		G1/4		G3/8	

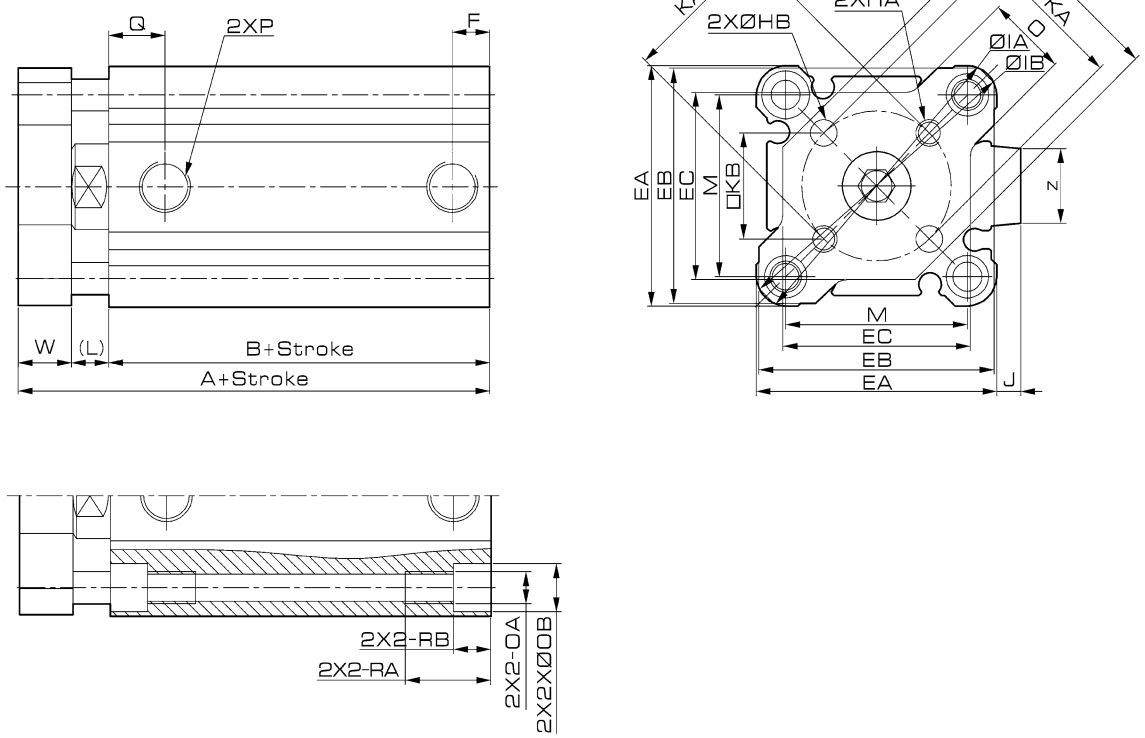
Internal Structure



Parts

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		

Overall Dimension



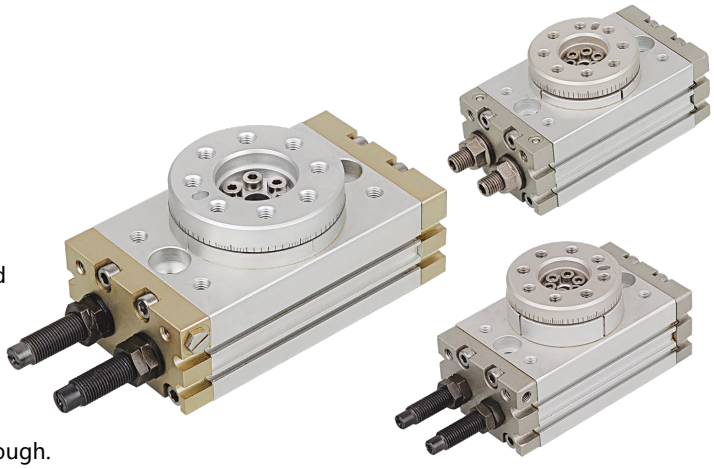
Dimension

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	M5X0.8	—	—	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										
	75、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	M5X0.8	M6X1.0	$5^{+0.2}_{0}$	60	58.5	4.5	28±0.02	19.8	7	34	5.5	9	17	7	35	10	14	15
40	M5X0.8	M6X1.0	$5^{+0.2}_{0}$	69	67.5	5	33±0.02	23.3	7	40	5.5	9	17	7	42	10	14	15
50	M6X1.0	M8X1.25	$6^{+0.2}_{0}$	86	84.5	7	42±0.02	29.7	8	50	6.6	11	22	8	54.5	12	19	16
63	M6X1.0	M10X1.5	$6^{+0.2}_{0}$	103	100	7	50±0.02	35.4	8	60	9	14	28.5	10.5	68	12	19	19
80	M8X1.25	M12X1.75	$8^{+0.2}_{0}$	132	129	6	65±0.02	46	10	77	11	17.5	35.5	13.5	86	14	25	22
100	M10X1.5	M12X1.75	$10^{+0.2}_{0}$	156	153	6.5	80±0.02	56.6	10	94	11	17	35.5	13.5	108	16	25	25

MSQ Series
Rotational Platform (Gear Type)

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



Features

1. High precision balls used in bearing, vertical and horizontal precision are up to ±0.01 mm.
2. Rotational type is easy for installation.
3. Rolling bearing design, load is 3 to 4 times larger than CRQ series.
4. Rotation is smooth and accurate.
5. Hollowed center rods for wire or tube to go through.
6. Standard angle adjusting device for wider angle adjustment (0° ~ 190°).
7. With magnet ring for sensor switch application.

Ordering Code

MSQB	-	10	-	A	-	MT
Model		Bore		Type		Sensor
		10 70 20 100 30 200 50		A: With angle adjusting screw R: With hydralic Cushion device		Blank: Without sensor * To choose proper sensor switch, please refer to stroke/ sensor switch chart.

Stroke / Sensor Switch Model

Model	*Sensor Switch Model (For Slide Installation)
10	D-A90L D-A93L D-A96L D-F9NL D-F9BL
20	
30	
50	
70	
100	
200	

Specification

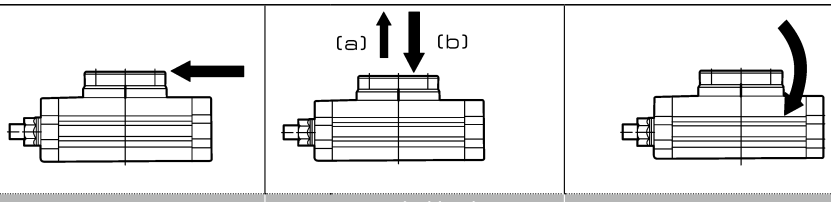
Bore (mm)		10	20	30	50	70	100	200
Operation Fulid		Air (Non-lub)						
Operation		Double Acting						
Max. Operation Pressure	With angle adjusting screw	1 MPa						
	With hydralic Cushion	0.6 MPa						
Min. Operation Pressure		0.1 MPa						
Ambient and fluid temperature		0~60 ℃						
Cushion		Rubber Buffer (Standard) / Hydralic Cushion device (Optional)						
Function	With angle adjusting screw	0.007J	0025J	0.048 J	0.081J	0.24J	0.32J	0.56J
	With hydralic Cushion	0.039J	0.116J		0.294J	1.1J	1.6J	2.9J
Angle adjusting range		0~190°						
Max. rotating angle		190°						
Steady rotating Time range	With angle adjusting screw	0.2~1.0s/90°				0.2~1.5s/90°	0.2~2.0s/90°	0.2~2.5s/90°
	With hydralic Cushion	0.2~0.7s/90°				0.2~1.0s/90°		
Bore		Φ15	Φ18	Φ21	Φ25	Φ28	Φ32	Φ40
Port Size		M5 x 0.8		Rc1/8				

Max. operation pressure is subject to the Max. load of hydraulic Cushion device.

CE
ISO9001:2008

MSQ Series
Rotational Platform (Gear Type)

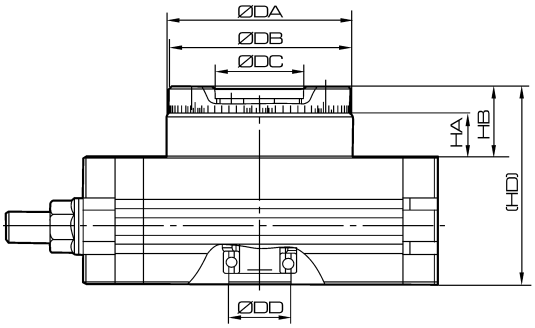
Max. Load



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

Overall Dimension

MSQA



Model	DA	DB	DC	DD	HA	HB	BD
MSQA10□	46h8	45h8	20H8	15H8	10	18.5	52.5
MSQA20□	61h8	60h8	28H8	17H8	15.5	26	63
MSQA30□	67h8	65h8	32H8	22H8	16.5	27	67
MSQA50□	77h8	75h8	35H8	26H8	17.5	30	76

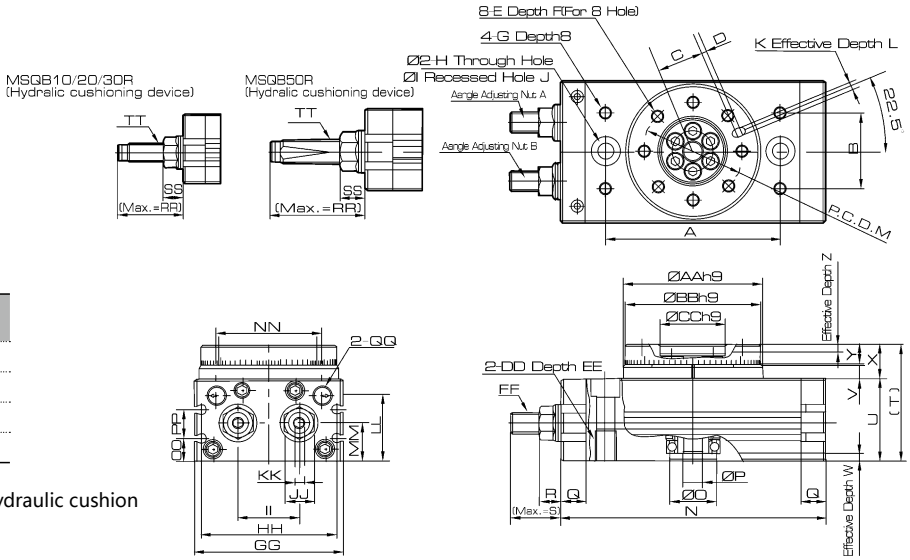
MSQ Series
Rotational Platform (Gear Type)

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

Overall Dimension

MSQB

Ø10, 20, 30, 50



Model	Adjusting angle reached per round*
MSQB10□	Aboves 10.2°
MSQB20□	Aboves 7.2°
MSQB30□	Aboves 6.5°
MSQB50□	Aboves 8.2°

In case of angle adjusting screw or hydraulic cushion twisting one circle.

Dimension

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MSQB10□	60	27	15	2	M5 x 0.8	8	M5x0.8	6.8	11	6.5	3H9	3.5	32	92	15H9	5	9.5	8.6	17.7	47	34	4.5	3	13	8	4
MSQB20□	76	34	20.5	2	M6 x 1	10	M6x1	8.6	14	8.5	4H9	4.5	43	117	17H9	9	12	10.6	25	54	37	6.5	2.5	17	10	6
MSQB30□	84	37	23	2	M6 x 1	10	M6x1	8.6	14	8.5	4H9	4.5	48	127	22H9	9	12	10.6	25	57	40	6.5	3	17	10	4.5
MSQB50□	100	50	26.5	2	M8 x 1.25	12	M8x1.25	10.5	18	10.5	5H9	5.5	55	152	26H9	10	15.5	14	31.4	66	46	7.5	3	20	12	5

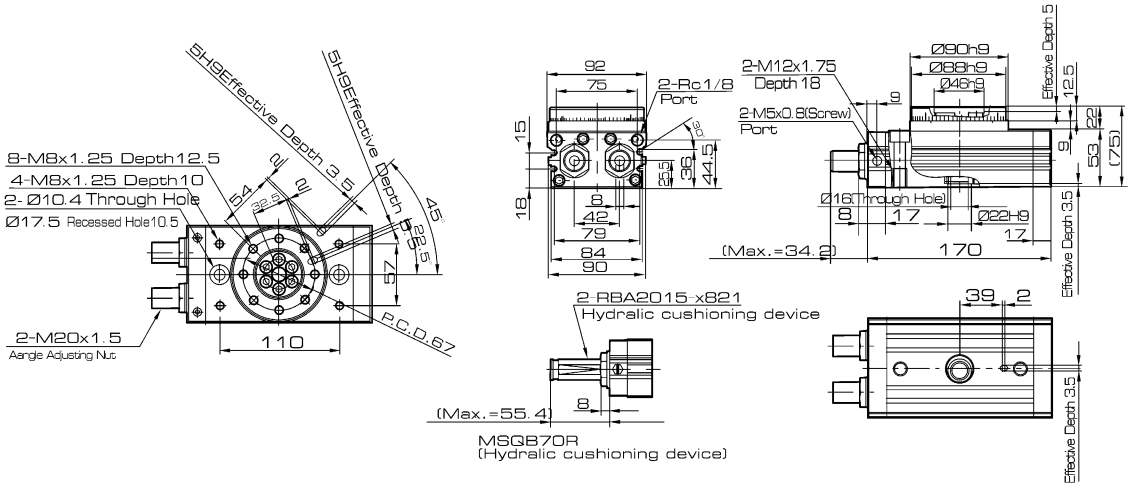
Model	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	Code of Hydralic Cushion device
MSQB10□	46	45	20	M8 x 1.25	12	M8 x 1	50	45	20	12	4	27.8	15.5	34.5	9	13	M5 x 0.8	31.5	8.6	M8 x 1	RBA0805-X692
MSQB20□	61	60	28	M10 x 1.5	15	M10 x 1	65	60	27.5	14	5	28.8	16	51	10	12	M5 x 0.8	34.7	10.6	M10 x 1	RBA1006-X692
MSQB30□	67	65	32	M10 x 1.5	15	M10 x 1	70	65	29	14	5	32	18.5	50	11.5	14	1/8	34.7	10.6	M10 x 1	RBA1006-X692
MSQB50□	77	75	35	M12 x 1.75	18	M14 x 1.5	80	75	38	19	6	37.5	22	63	14.5	15	1/8	51.7	14	M14 x 1.5	RBA1411-X692

Max. measurement is at Max. rotation angle (190°)

Overall Dimension

MSQB

Ø70

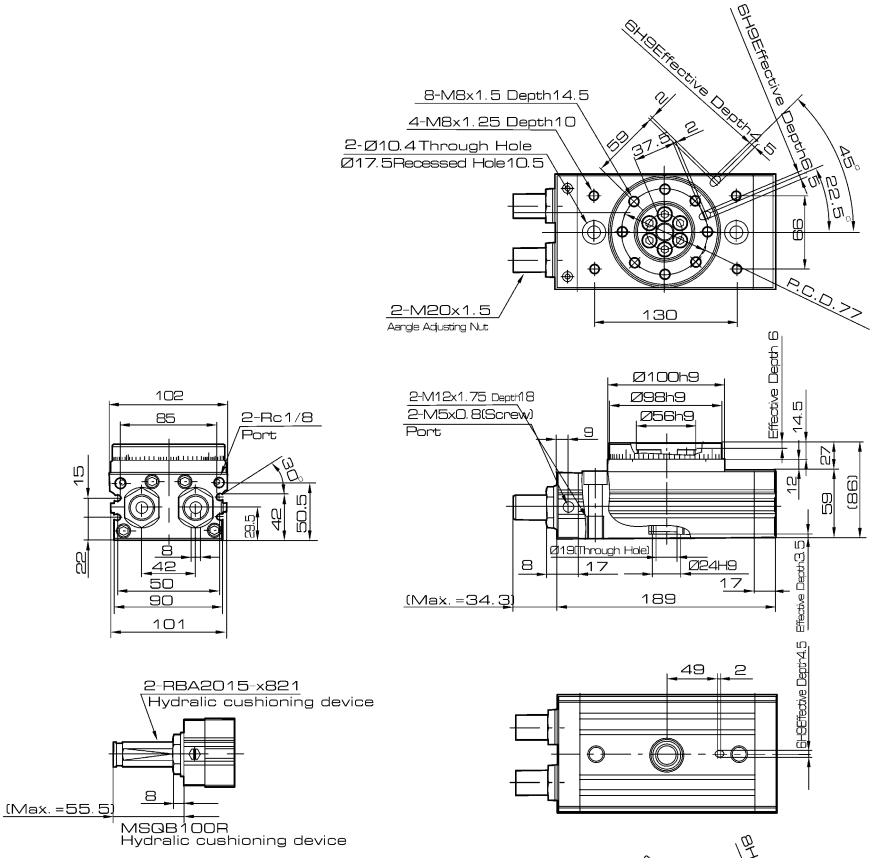


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ISO9001:2008

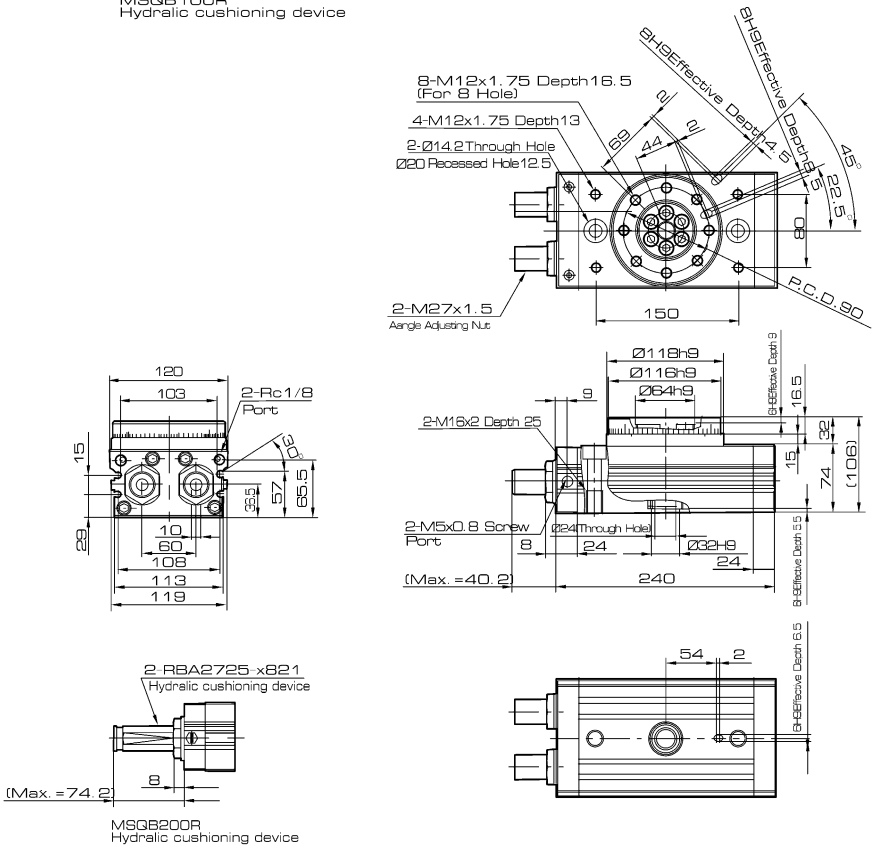
MSQ Series
Rotational Platform (Gear Type)

Overall Dimension

MSQB
Ø100



MSQB
Ø200



CE
ISO9001:2008

MHZ2/MHC2/MHY2 Series
Pneumatic Gripper

Features

- Built-in magnetic ring, can install magnetic switch.
- 180° open-close, simplify pick-and-place action.
- Can be suitable for use under special circumstances, the special design of finger open and close can prevent the tiny objects to enter.
- Easy mounting, location hole attached.


MHZ2 Series


MHC2 Series


MHY2 Series

Pneumatic Grippers (Parallel opening-closing)

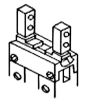
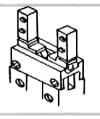
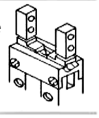
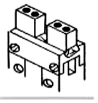
Ordering Code

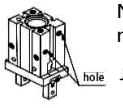
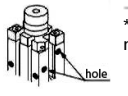
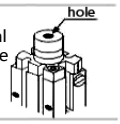
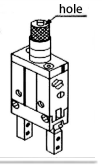
MHZ	-	10	-	D	-	1	-	E	-	MT
Specification		Bore		Acting type		Finger optional brand		Gripper optional brand		Sensor

Specification
- **MHZ**: Standard
- **MHZA**: Small size
- **MHZAJ**: Small size with dust cover
- **MHZL**: Long stroke
- **MHZJ**: With dust cover

Bore
6, 10, 16, 20, 25, 32, 40

Acting type
- **D**: Double action
- **S**: Single action (normally open)
- **C**: Single action (normally closed)

Finger optional brand
- No mark: basic type 
- **1**: Side screws installation 
- **2**: Open and close direction through-hole installation 
- **3**: Flat finger 

Gripper optional brand
- No mark: Basic type 
- **E**:End stage side piping (Double action /Single action) 
- **M**:End stage axial direction M5 hole (Single action) 
- **H**:End stage axial hole with 4 flexible pipe connectors (Single action)hole 

Sensor
- No mark: non-magnetic switch
- JEL-30R: 
- D-A93: 

*small size(A.AJ) with no magnetic switch

Pneumatic Grippers(Fulcurm open-close) /Standard

Ordering Code

MHC	-	16	-	D	-	MT
Model		Bore		Acting type		Sensor

Model
- **MHC**: Standard
- **MHCA**: Small size (Φ6)

Bore
10, 16, 20, 25

Acting type
D: Double action
S: Single action (normally open)

Sensor
- No mark: non-magnetic switch
- JEL-30R: 

Pneumatic Grippers(Fulcrum open-close) /Cam 180° open close

Ordering Code

MHY	-	15	-	D	-	2	-	MT
Model		Bore		Acting type		Finger optional brand		Sensor

Model

Bore
10, 16, 20, 25

Acting type
D: Double action

Finger optional brand
- No mark: Screw installation(Standard)
- **2**: Open and close direction through-hole installation

Sensor
- No mark: non-magnetic switch
- JEL-30R: 

CKS Series
Pneumatic Gripper

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



CKS2系列



CKS3系列



CKS4系列

Features

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

CKS2 Series Pneumatic Gripper(Two fingers)

Ordering Code

CKS	-	2	-	20	-	D	-	MT
Model		Qty of Fingers		Bore		Acting type		Sensor
				16 20 25 32 40 50 63		D: Double acting		Blank: non-magnetic switch JEL-30R:

CKS3 Series Pneumatic Gripper(Three fingers)

Ordering Code

CKS	-	L	-	3	-	32	-	D	-	MT
Model		Specification		Qty of Fingers		Bore		Acting type		Sensor
		Blank: Standard L: Long stroke				16 20 25 32 40 50 63 80 100 125		D: Double acting		Blank: non-megnetic switch JEL-30R:

CKS4 Series Pneumatic Gripper(Four fingers)

Ordering Code

CKS	-	4	-	20	-	D	-	MT
Model		Qty of Fingers		Bore		Acting type		Sensor
				16 20 25 32 40 50 63		D: Double acting		Blank: non-megnetic switch JEL-30R:

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4V100 Series
Solenoid Valve, Air Piloted Valve


4A110-06


4V110-06


4V120-06


4V130-06

Ordering Code

4V	-	1	-	10	-	06	-	B	-	AC220V	-	W	-	F
Specification		Series Code		Coil and Type		Port size		Connection and Initial status		Standard Voltage		Wiring		Joint
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		1 F-20 F
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				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				

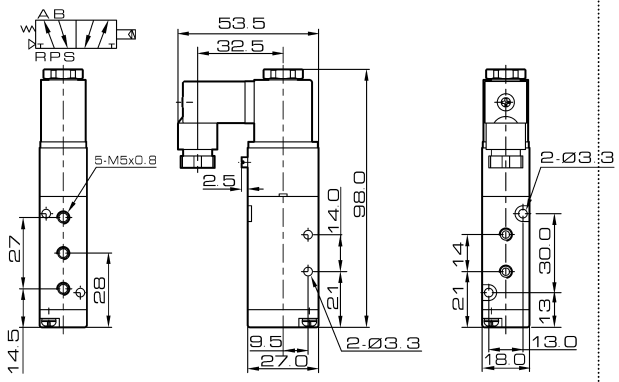
Specification

Model	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 mm^2 (CV = 0.56)		7 mm^2 (CV = 0.40)			12 mm^2 (CV = 0.67)		9 mm^2 (CV = 0.5)		

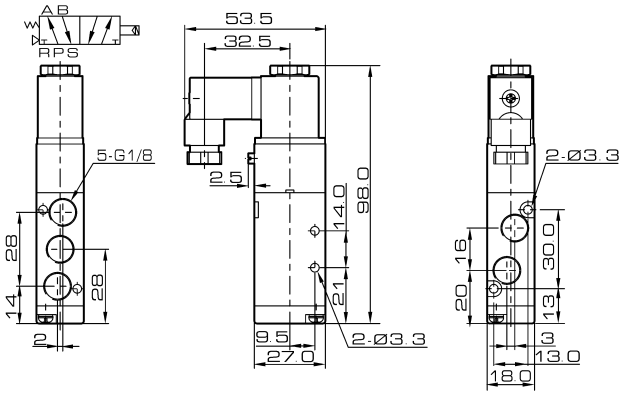
Model	3V110-M5	3V120-M5	3A110-M5	3A120-M5	3V110-06	3V120-06	3A110-06	3A120-06
Valve Type	3/2 way							
Effective Cross Section Area	10 mm^2 (CV = 0.56)				12 mm^2 (CV = 0.67)			
Port Size	Inlet, Outlet, Exhaust Port = M5 × 0.8				Inlet, Outlet, Exhaust Port = G 1/8"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15 ~ 0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5 ~ 50 ℃							
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.							

Overall Dimension

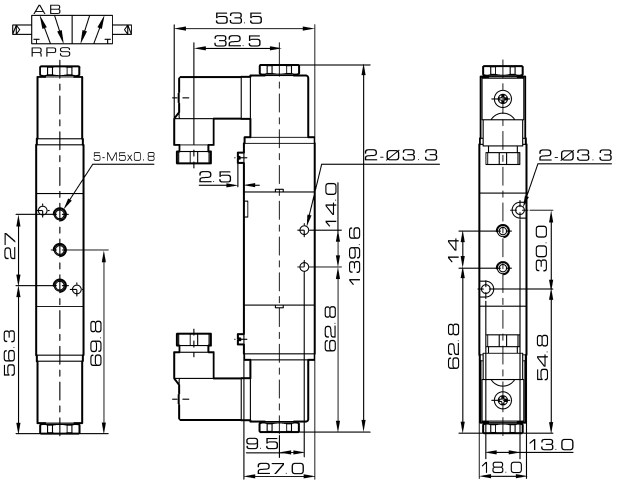
4V110-M5



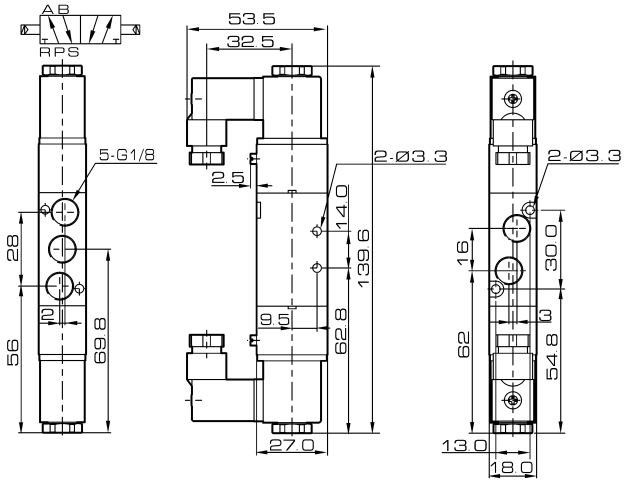
4V110-06



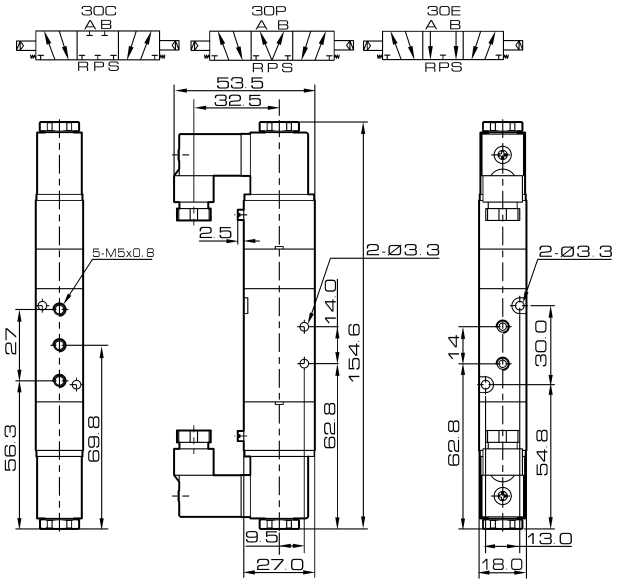
4V120-M5



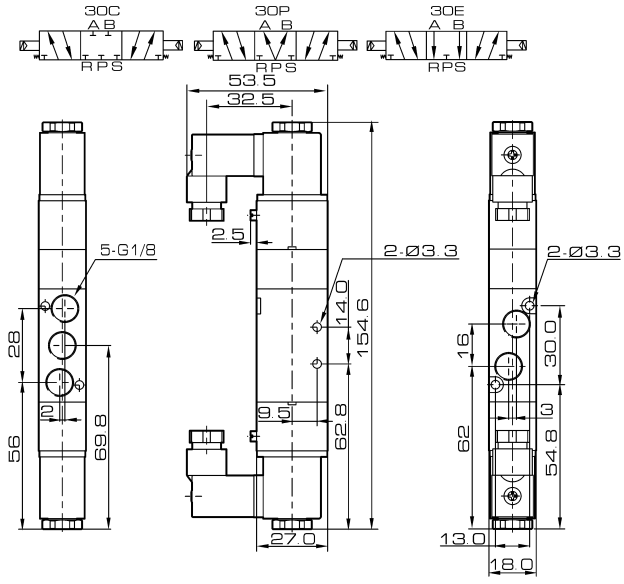
4V120-06



4V130-M5



4V130-06

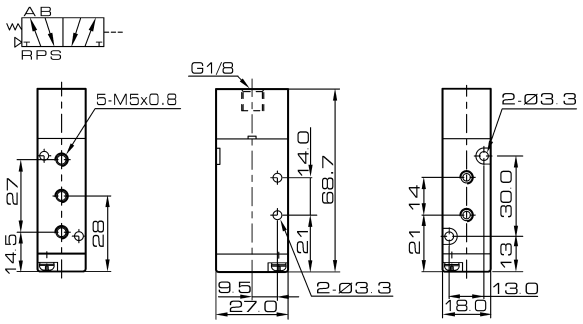


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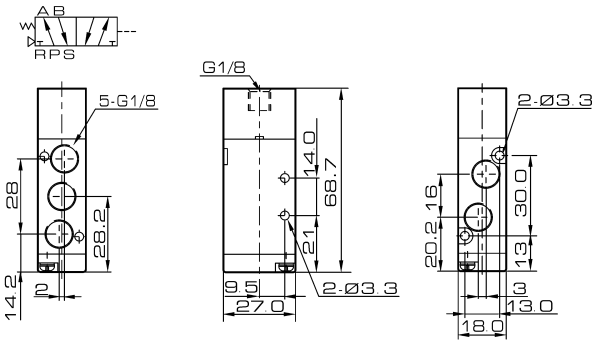
4V100 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

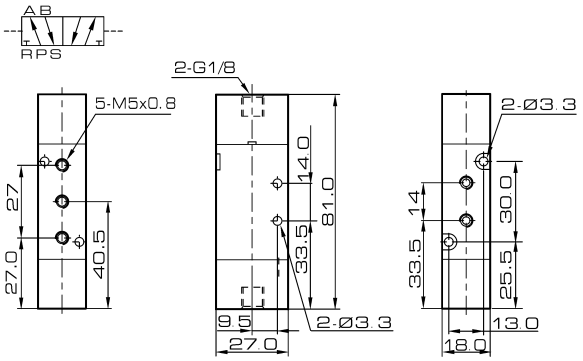
4A110-M5



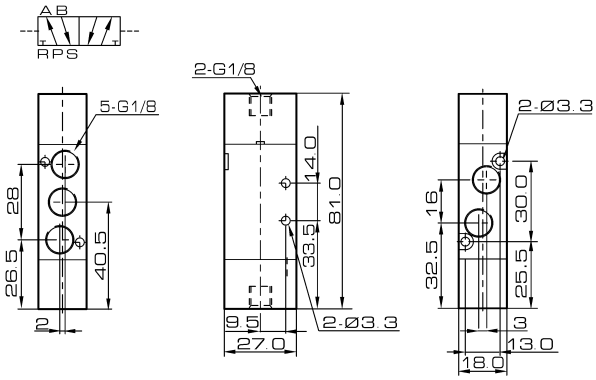
4A110-06



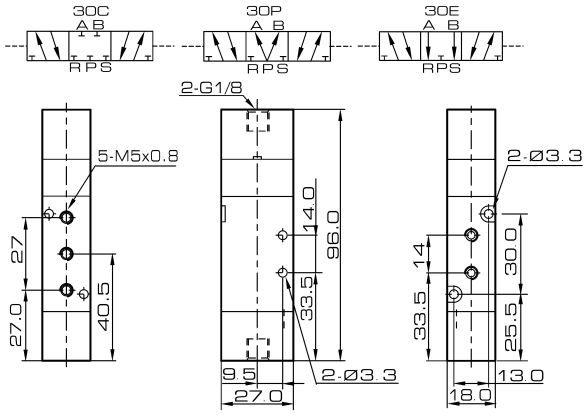
4A120-M5



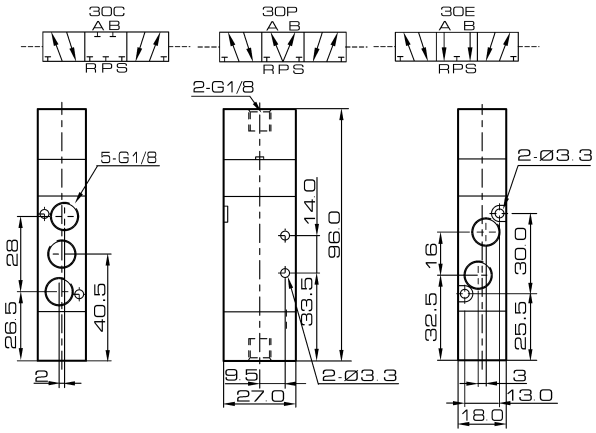
4A120-06



4A130-M5



4A130-06

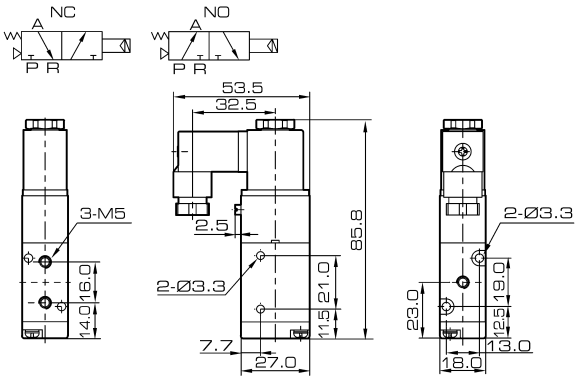


4V100 Series
Solenoid Valve, Air Pilot Valve

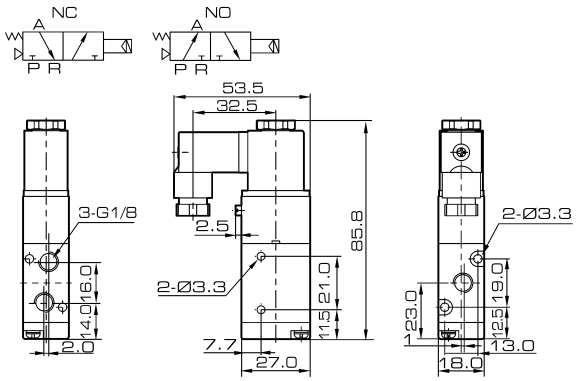
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

Overall Dimension

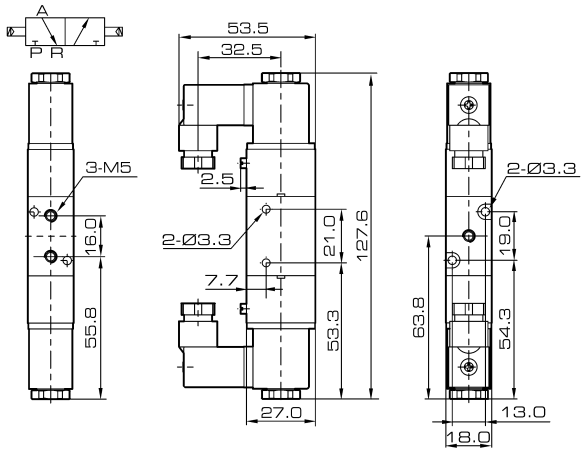
3V110-M5



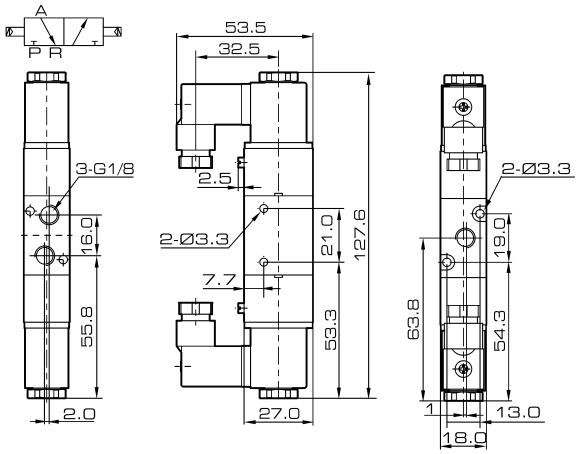
3V110-06



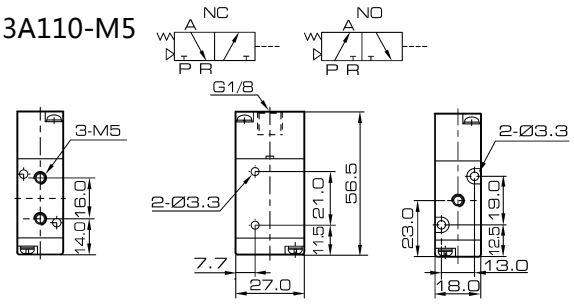
3V120-M5



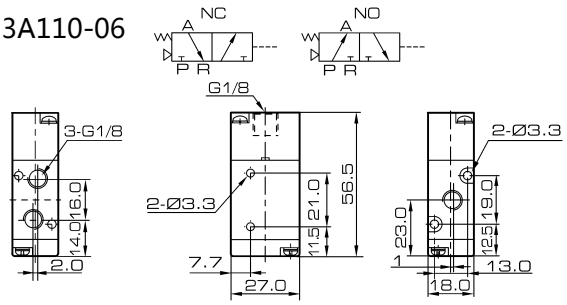
3V120-06



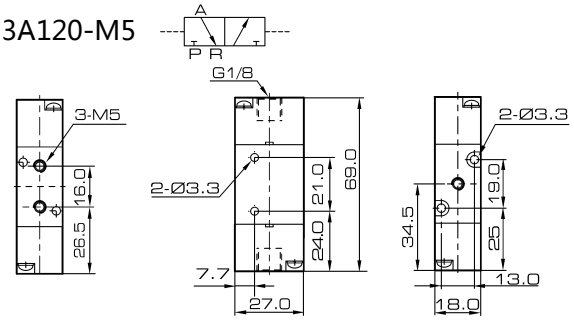
3A110-M5



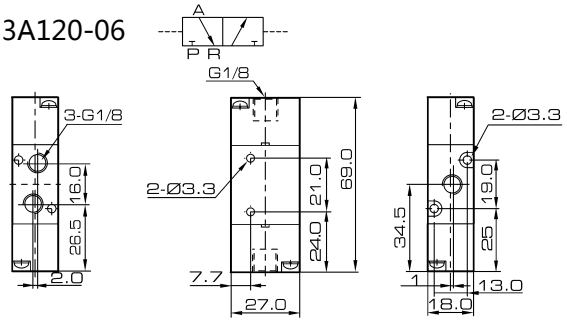
3A110-06



3A120-M5



3A120-06



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4V200 Series
Solenoid Valve, Air Piloted Valve



4A210-08


4V210-08


4V220-08


4V210-08B


4V210-08


4V230C-08

Ordering Code

4V	-	2	-	10	-	08	-	B	-	AC220V	-	W	-	F
Specification		Series Code		Coil and Type		Port size		Connection and Initial Status		Standard Voltage		Wiring		Joint
4V: 5/2 (3) way solenoid valve		200 Series		10: Single coil		06: 1/8"		Blank: Threaded		DC12V DC24V		Blank: Without light terminal		1 F-20 F
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				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				

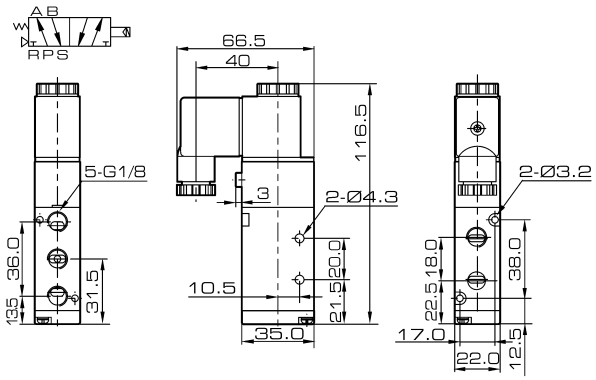
Specification

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	4A210-06	4A220-06	4A230C-06	4A230E-06	4A230P-06	4A210-08	4A220-08	4A230C-08	4A230E-08	4A230P-08
Valve Type	5/2 way		5/3 way			5/2 way		5/3 way		
Effective Cross Section Area	14 mm^2 (CV=0.78)		12 mm^2 (CV=0.67)			16 mm^2 (CV=0.89)		12 mm^2 (CV=0.67)		

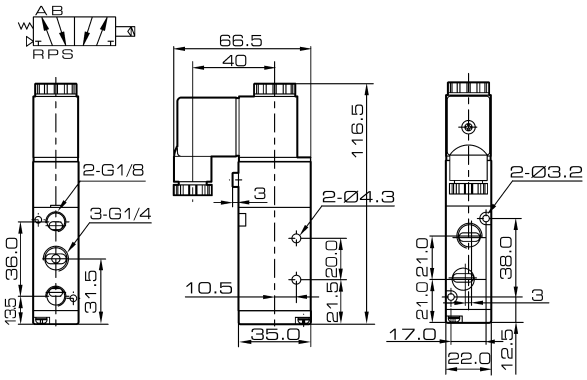
Model	3V210-06	3V220-06	3A210-06	3A220-06	3V210-08	3V220-08	3A210-08	3A220-08
Valve Type	3/2 way							
Effective Cross Section Area	14 mm^2 (CV = 0.78)				16 mm^2 (CV = 0.89)			
Port Size	Inlet, Outlet, Exhaust Port = G 1/8"				Inlet, Outlet = G 1/4", Exhaust Port = G 1/8"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15 ~ 0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5 ~ 50 ℃							
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.							

Overall Dimension

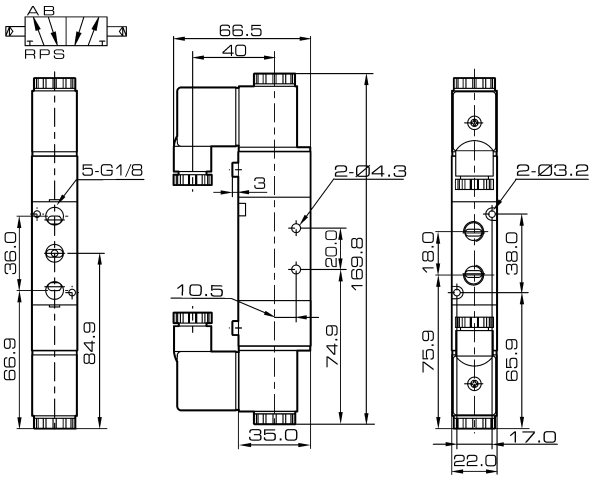
4V210-06



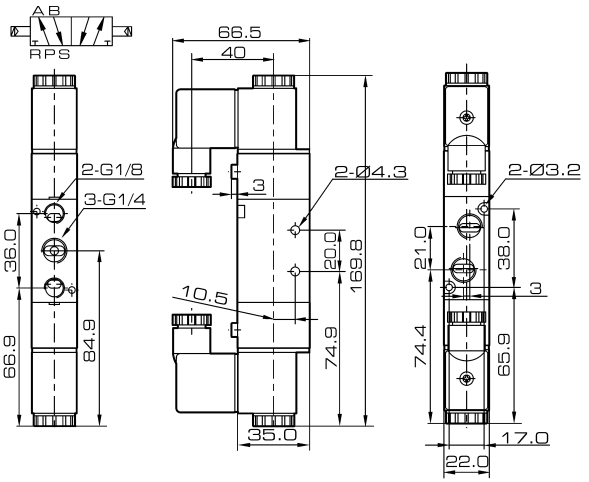
4V210-08



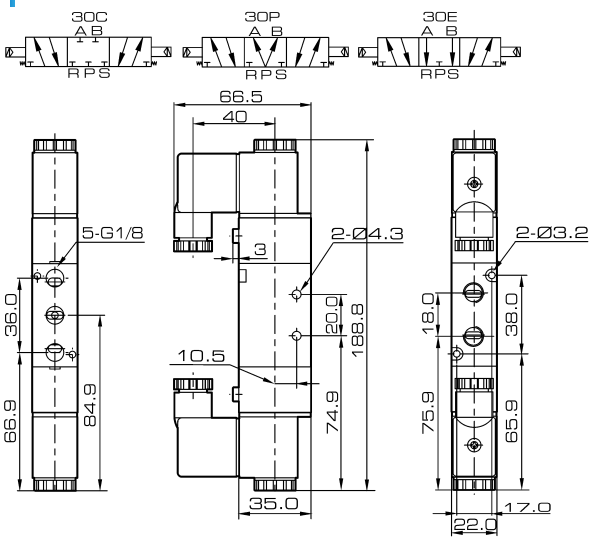
4V220-06



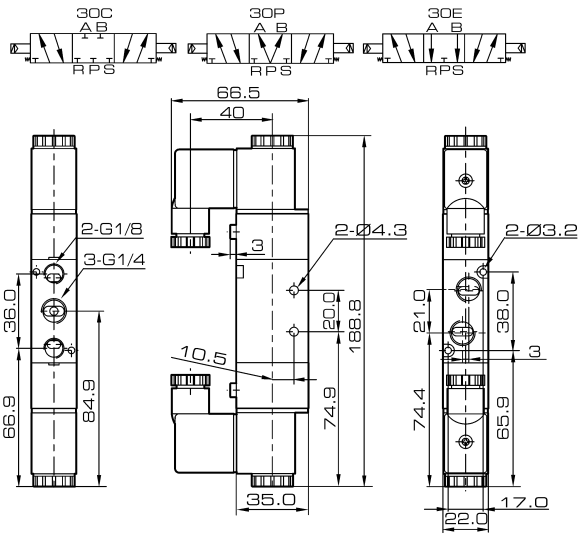
4V220-08



4V230-06



4V230-08

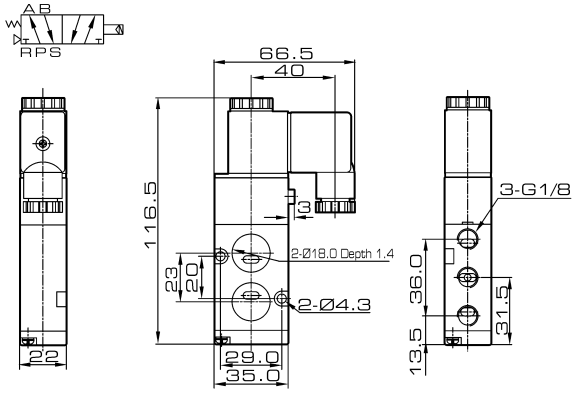


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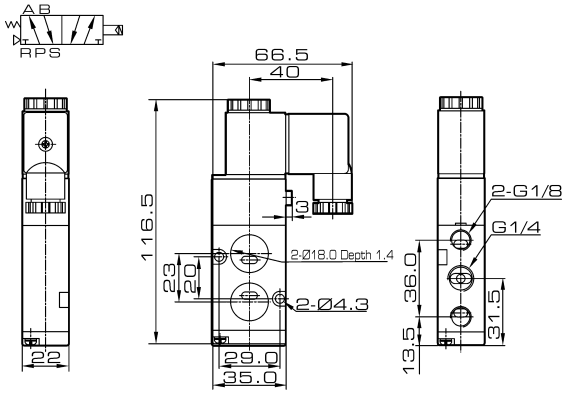
4V200 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

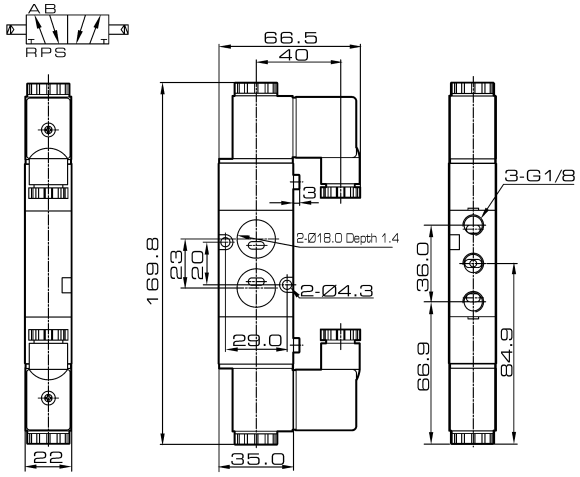
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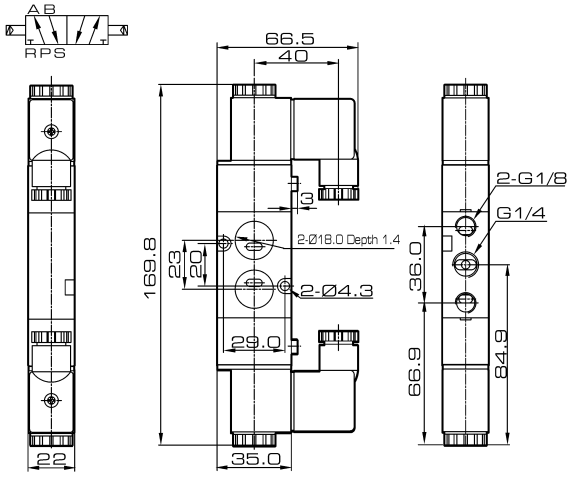
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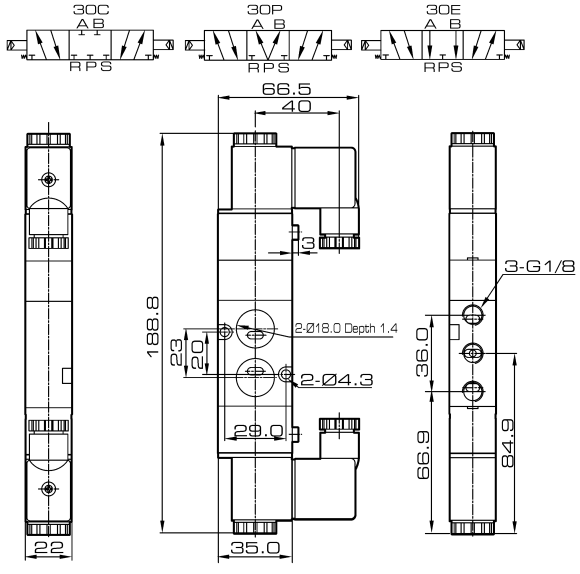
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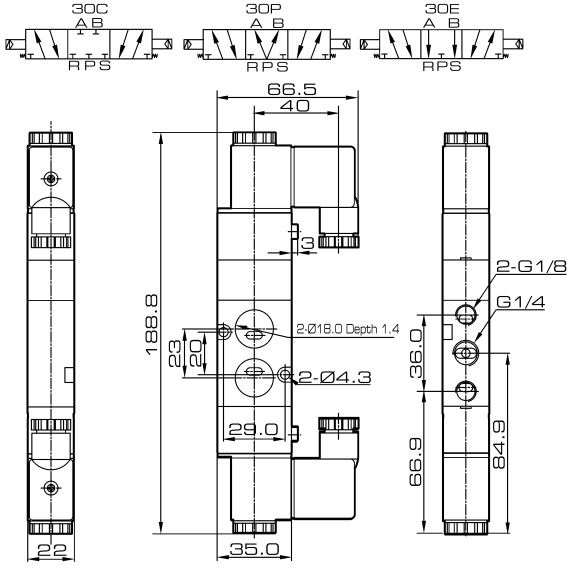
4V220-08B



4V230-06B

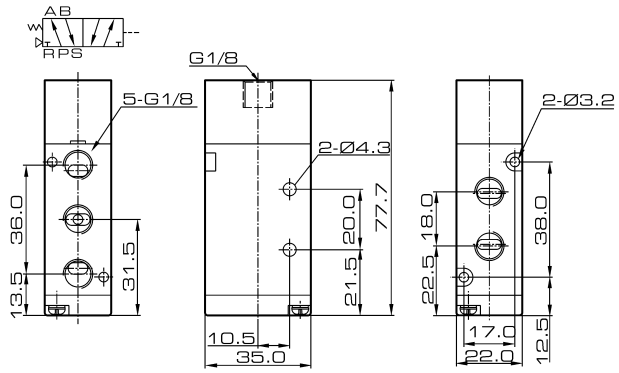


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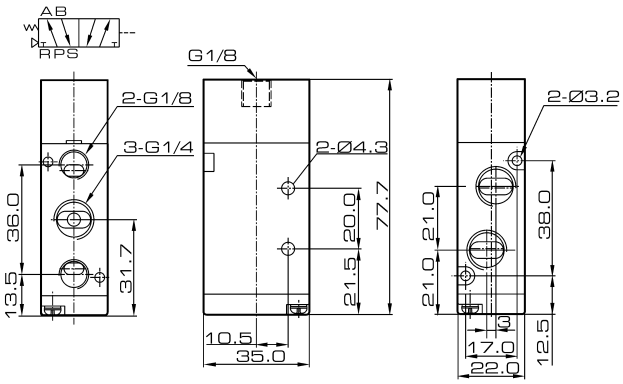


Overall Dimension

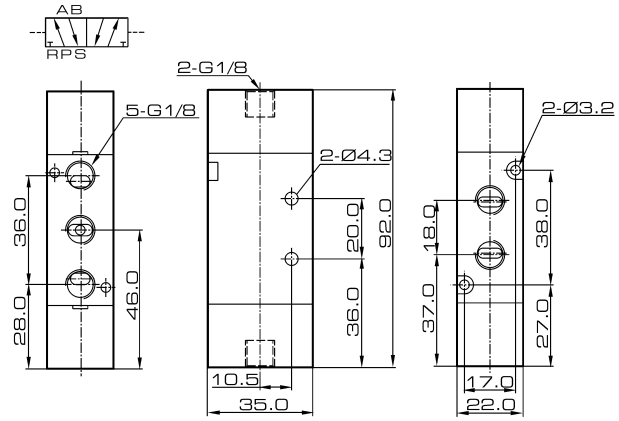
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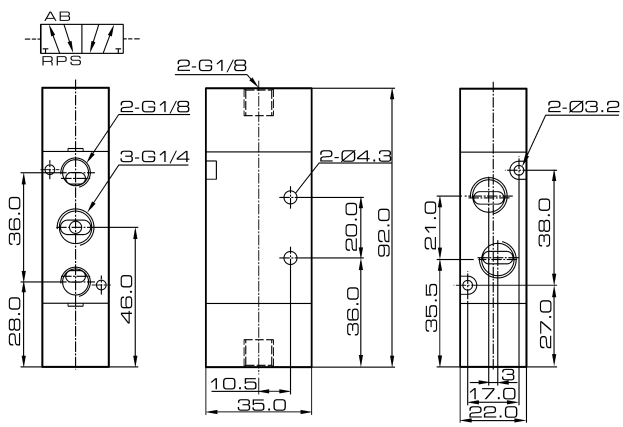
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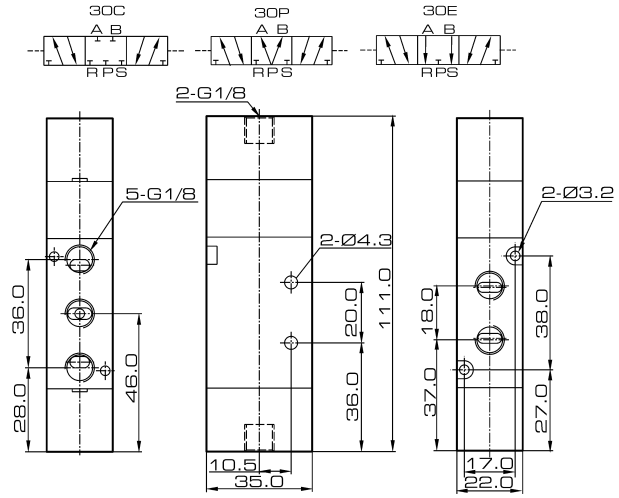
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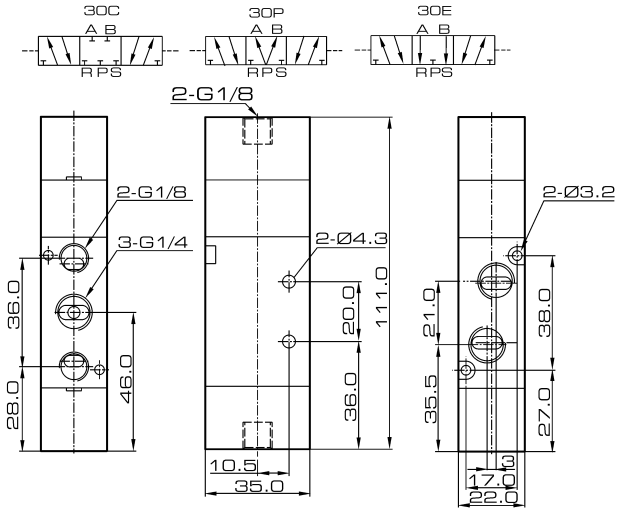
4A220-08



4A230-06



4A230-08

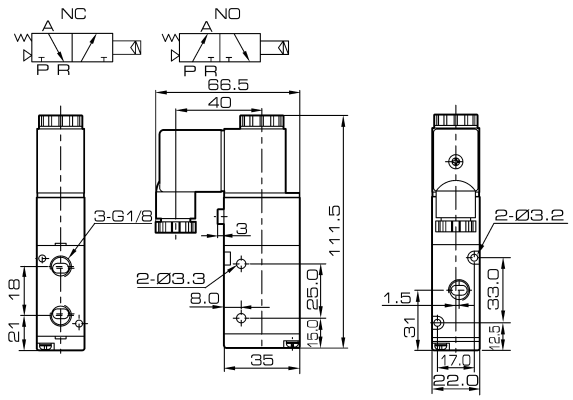


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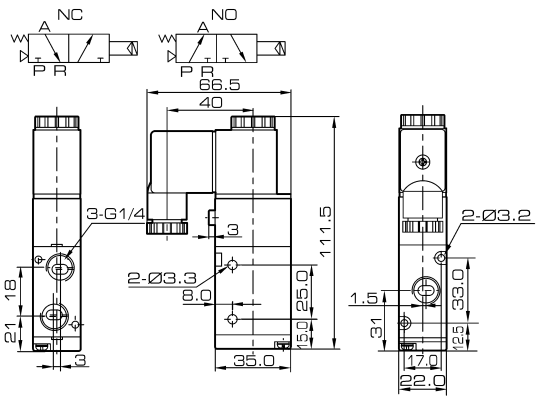
4V200 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

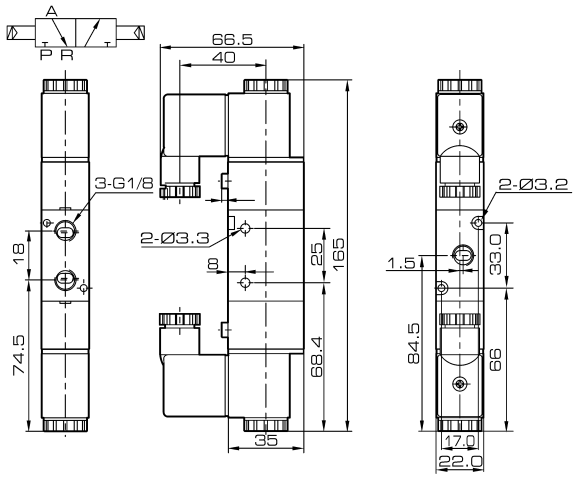
3V210-06



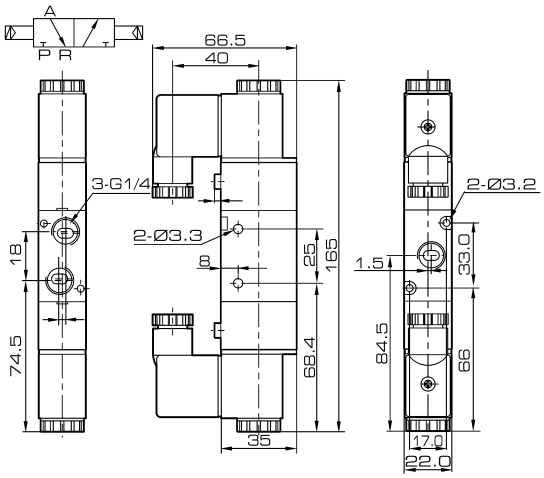
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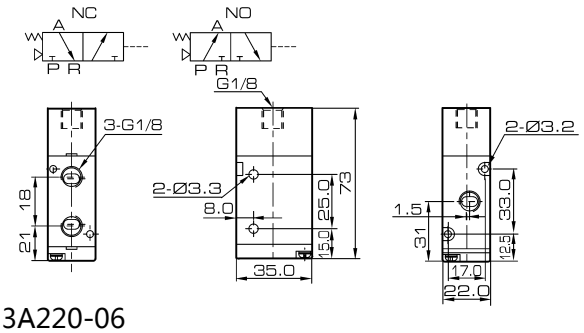
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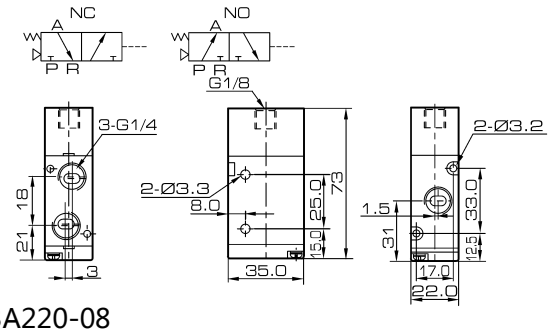
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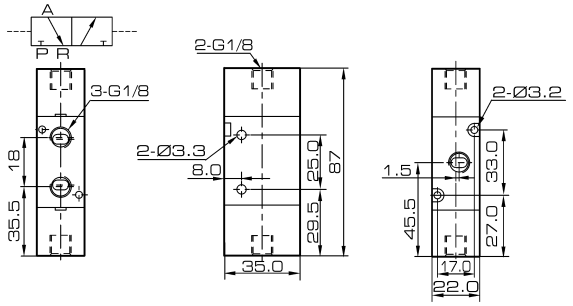
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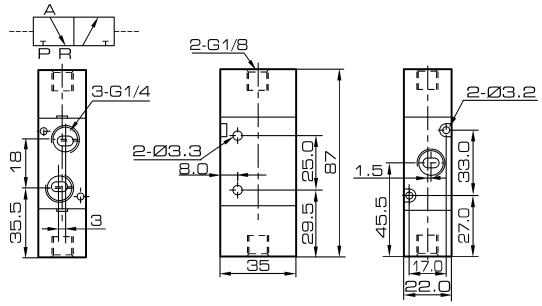
3A210-08



3A220-06



3A220-08



4V300 Series
Solenoid Valve, Air Piloted Valve

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





Ordering Code

4V	-	3	-	10	-	10	-	B	-	AC220V	-	W	-	F
Specification		Series Code		Coil and Type		Port size		Connection and Initial status		Standard Voltage		Wiring		Joint
4V: 5/2 (3) way solenoid valve		300 Series		10: Single coil		08: 1/4"		Blank: Threaded		DC12V DC24V		Blank: Without light terminal		1 F-20 F
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				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	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	4A320-10	4A330C-10	4A330E-10	4A330P-10
Valve Type	5/2 way		5/3 way			5/2 way		5/3 way		
Effective Cross Section Area	25 mm^2 (CV = 1.40)		18 mm^2 (CV = 1.00)			30 mm^2 (CV = 1.68)		18 mm^2 (CV = 1.00)		

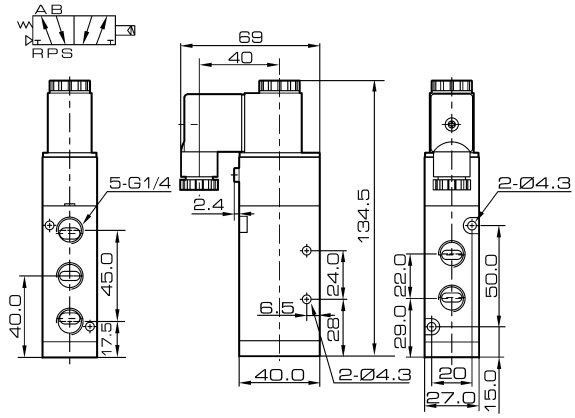
Model	3V310-08	3V320-08	3A310-08	3A320-08	3V310-10	3V320-10	3A310-10	3A320-10
Valve Type	3/2 way							
Effective Cross Section Area	25 mm^2 (CV = 1.40)				30 mm^2 (CV = 1.68)			
Port Size	Inlet, Outlet, Exhaust Port = G 1/4"				Inlet, Outlet = G 3/8" Exhaust Port = G 1/4"			
Working Medium	40 Micron Filtered Air							
Operation	Internal piloted							
Working-pressure	0.15 ~ 0.8 MPa							
Max. Test Pressure	1.2 MPa							
Ambient Temperature	5 ~ 50 ℃							
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.							

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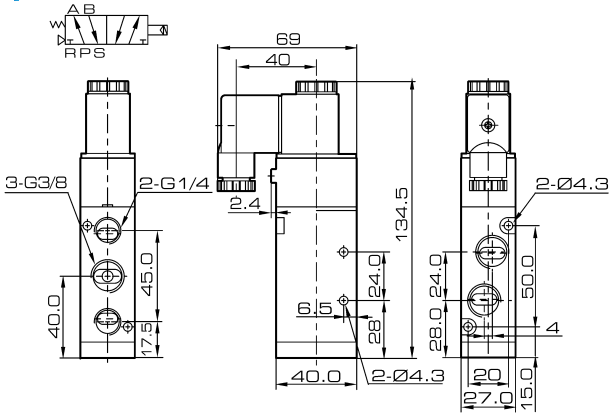
4V300 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

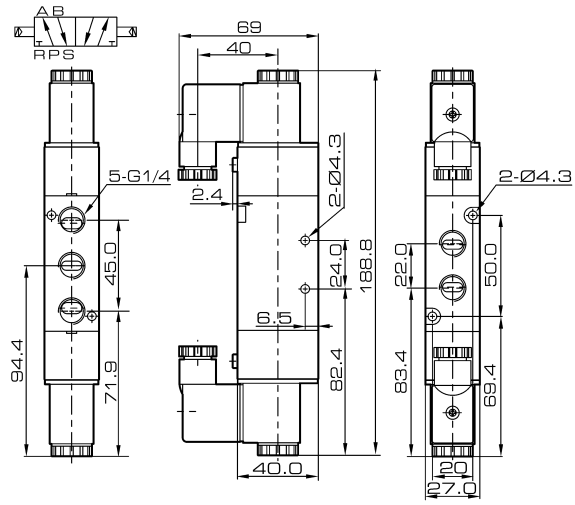
4V310-08



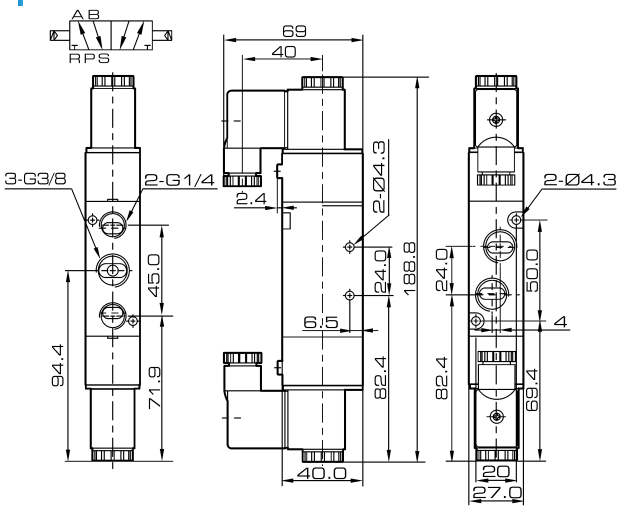
4V310-10



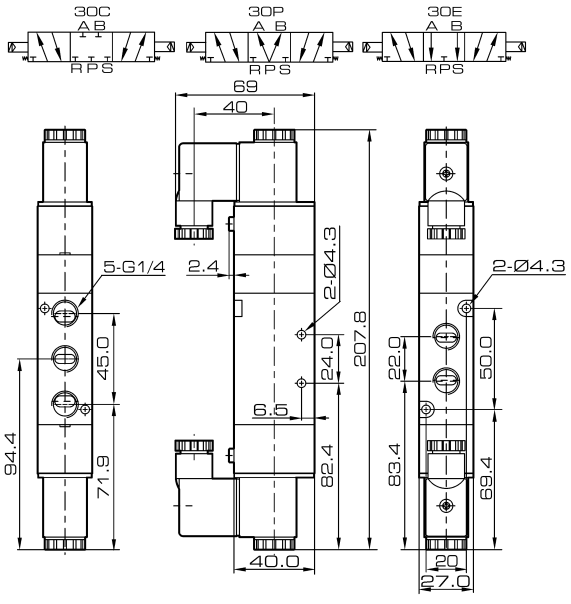
4V320-08



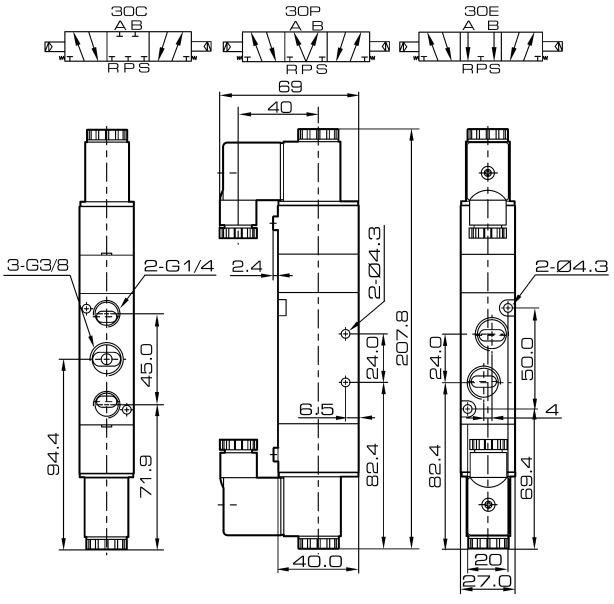
4V320-10



4V330-08



4V330-10

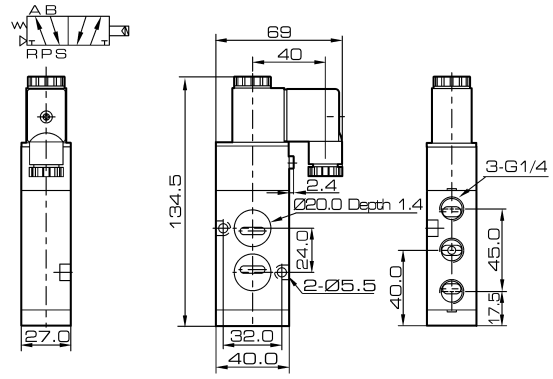


4V300 Series
Solenoid Valve, Air Piloted Valve

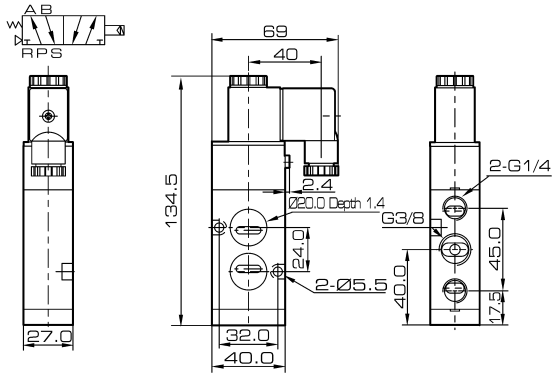
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

Overall Dimension

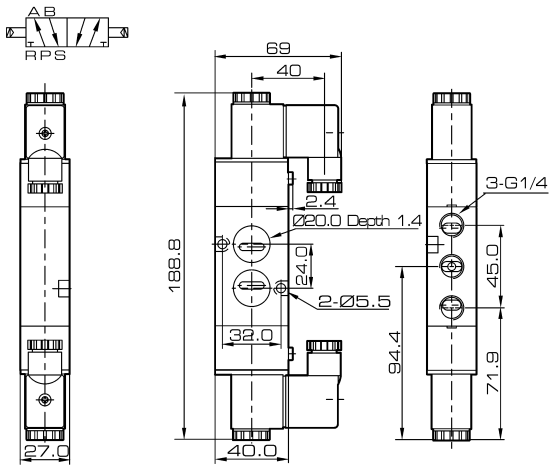
4V310-08B



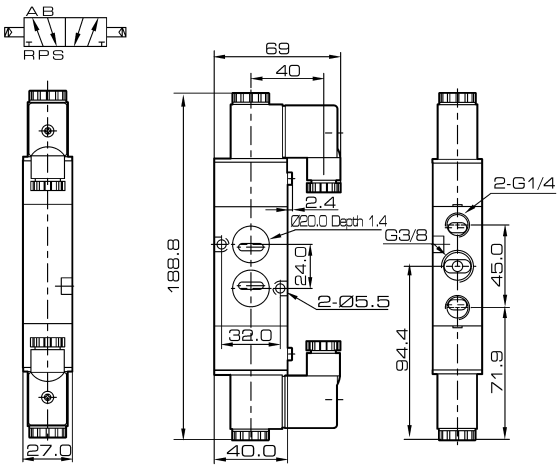
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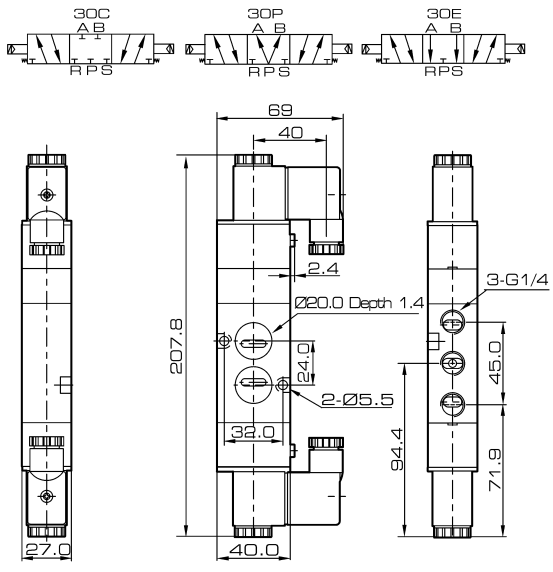
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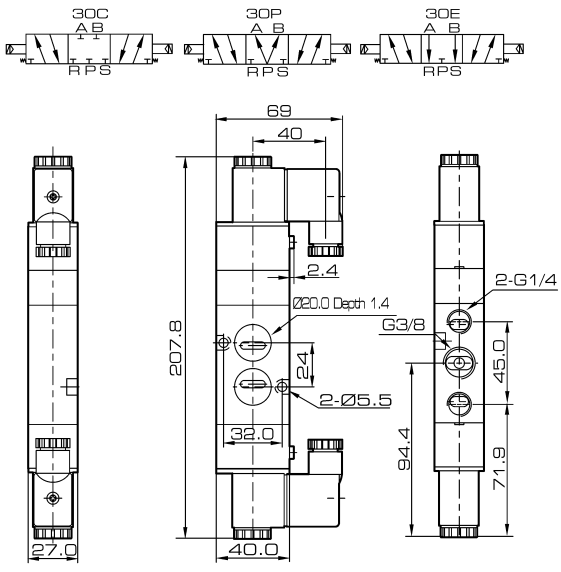
4V320-10B



4V330-08B



4V330-10B

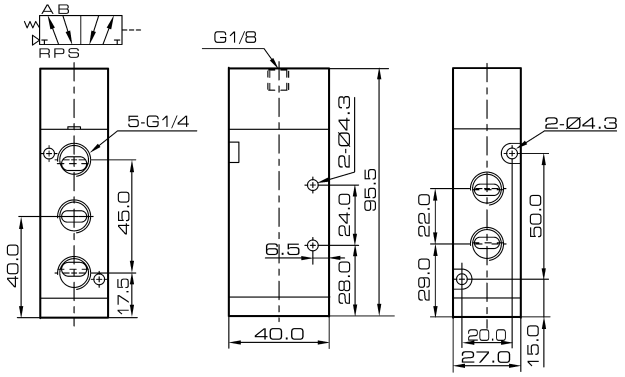


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ISO9001:2008

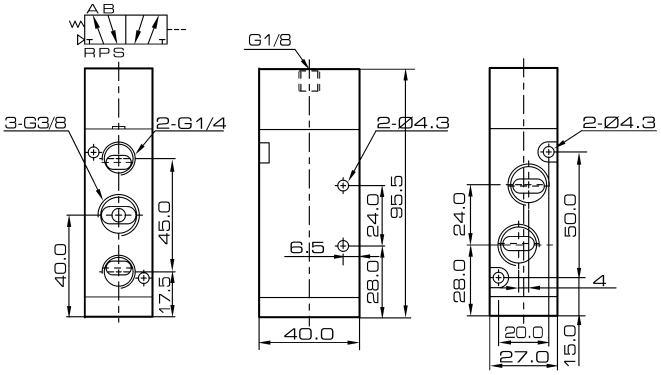
4V300 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

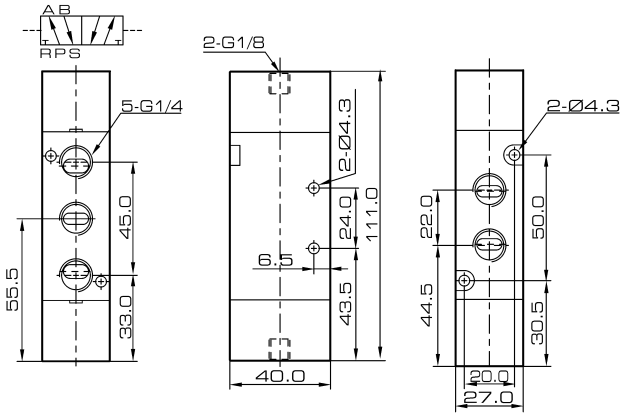
4A310-08



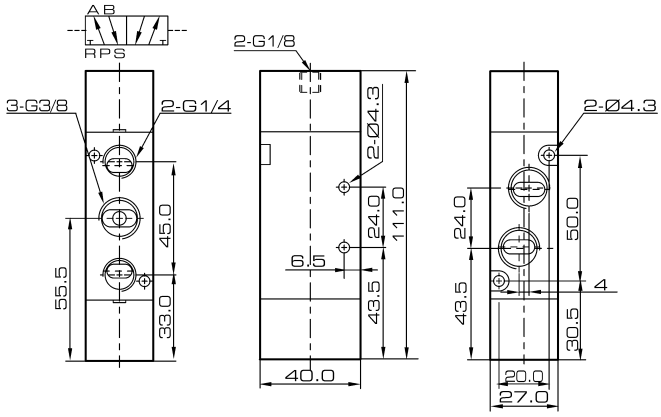
4A310-10



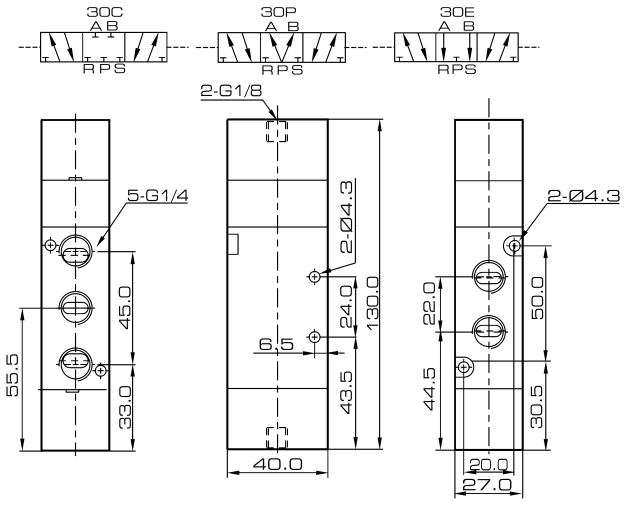
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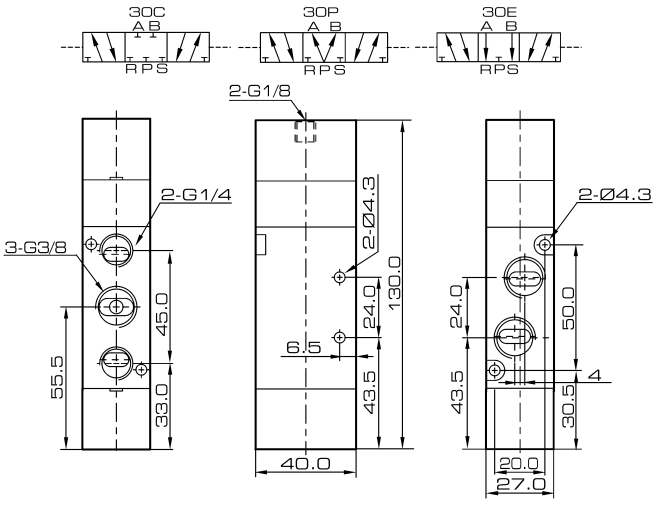
4A320-10



4A330-08



4A330-10

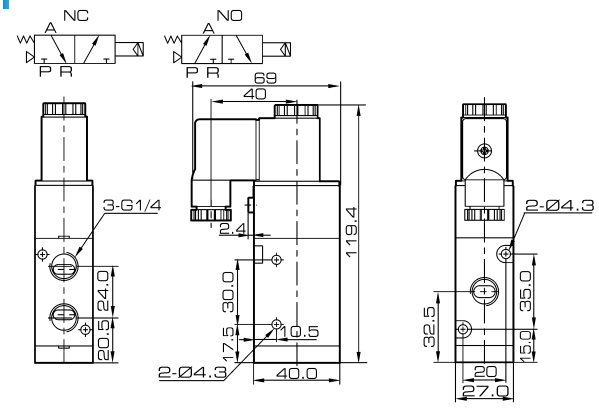


4V300 Series
Solenoid Valve, Air Piloted Valve

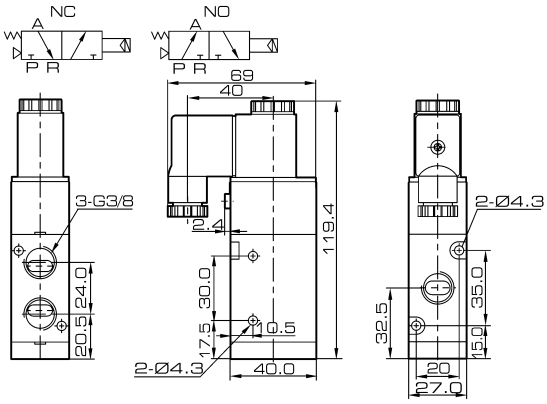
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

Overall Dimension

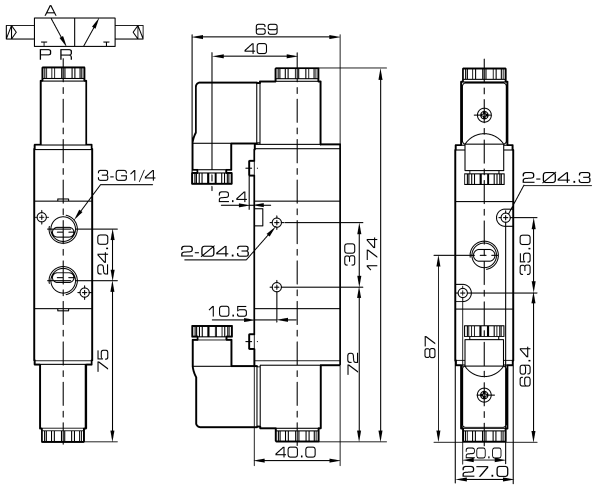
3V310-08



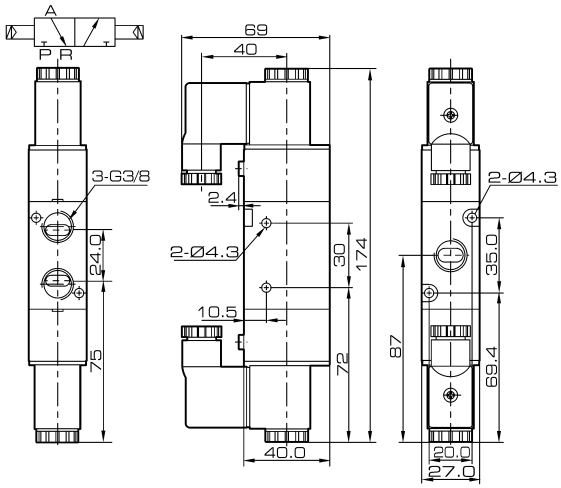
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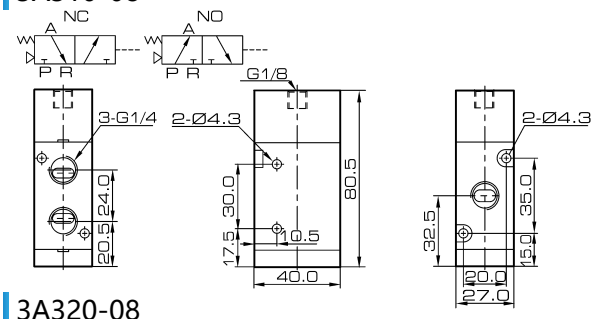
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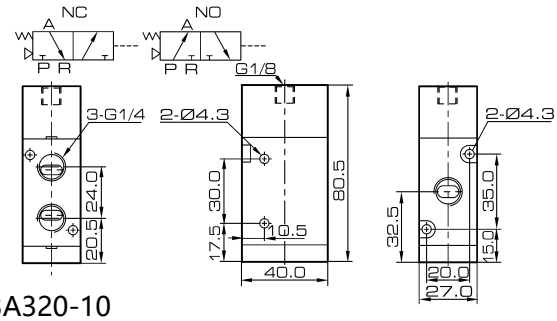
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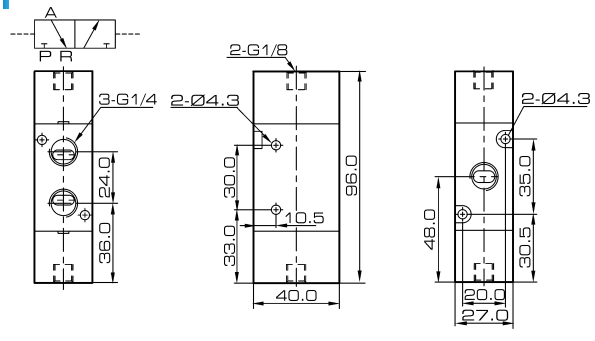
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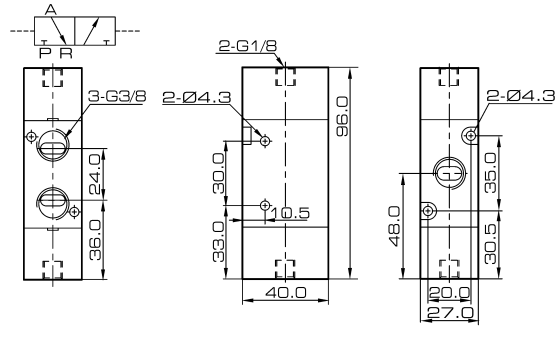
3A310-10



3A320-08

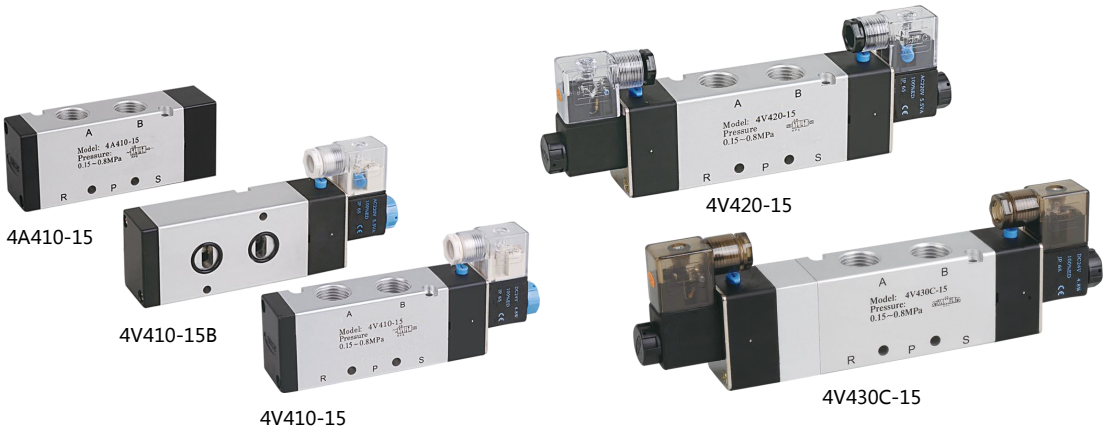


3A320-10



CE
ISO9001:2008

4V400 Series
Solenoid Valve, Air Piloted Valve



Ordering Code

4V	-	4	-	10	-	15	-	B	-	AC220V	-	W	-	F
Specification		Series Code		Coil and Type		Port size		Connection and Initial status		Standard Voltage		Wiring		Joint
4V: 5/2(3) way solenoid valve		400 Series		10: Single coil		15: 1/2"		Blank: Threaded		DC12V DC24V		Blank: Without light terminal		1 F-20 F
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 / 4A410-15	4V420-15 / 4A420-15	4V430C-15 / 4A430C-15	4V430E-15 / 4A430E-15	4V430P-15 / 4A430P-15
Valve Type	5/2 Way		5/3 Way		
Effective Cross Section Area	50 mm^2 (CV=2.79)		30 mm^2 (CV=1.68)		

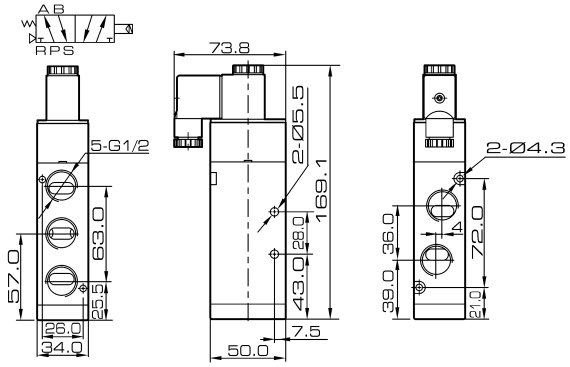
Model	3V410-15	3V420-15	3A410-15	3A420-15
Valve Type	3/2 Way			
Effective Cross Section Area	50mm^2 (CV=2.79)			
Port Size	Inlet, Outlet, Exhaust Port = G1/2"			
Working Medium	40 Micron Filtered Air			
Operation	Internal piloted			
Working-pressure	0.15 ~ 0.8 MPa			
Max. Test Pressure	1.2 MPa			
Ambient Temperature	5 ~ 50 ℃			
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.			

4V400 Series
Solenoid Valve, Air Piloted Valve

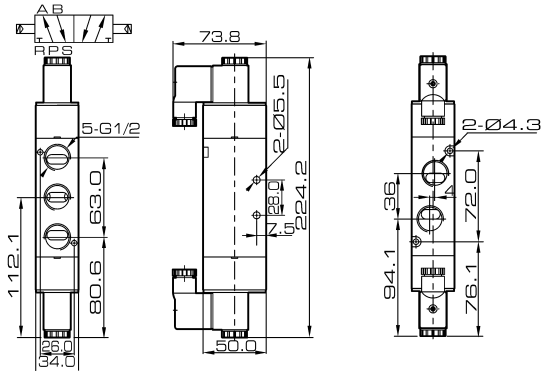
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

Overall Dimension

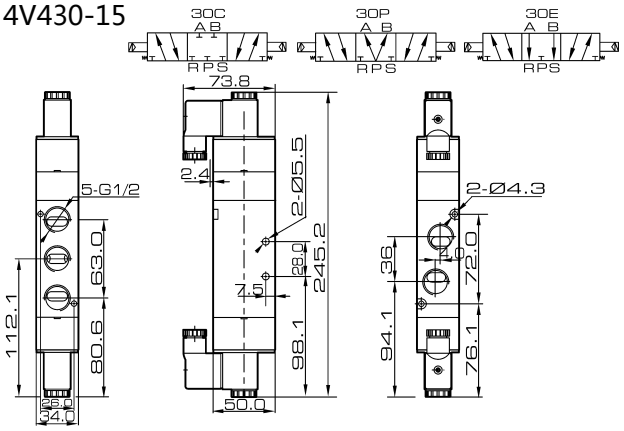
4V410-15



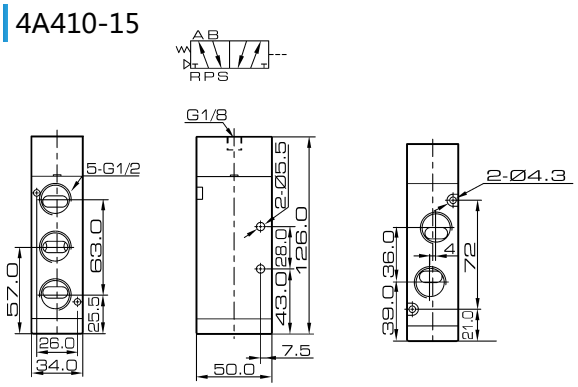
4V420-15



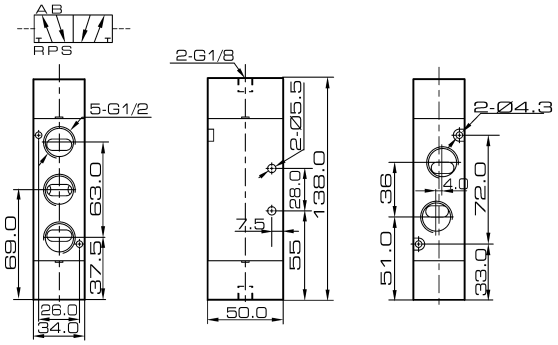
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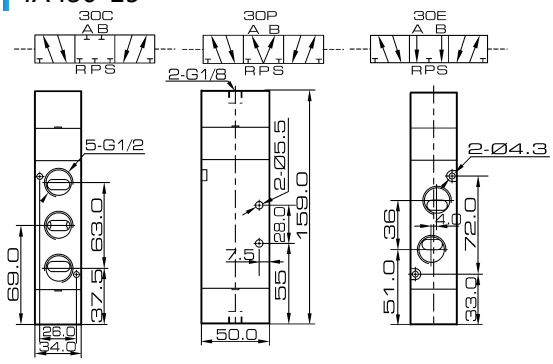
4A410-15



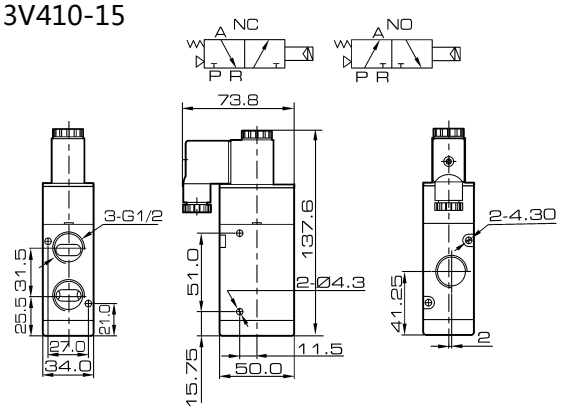
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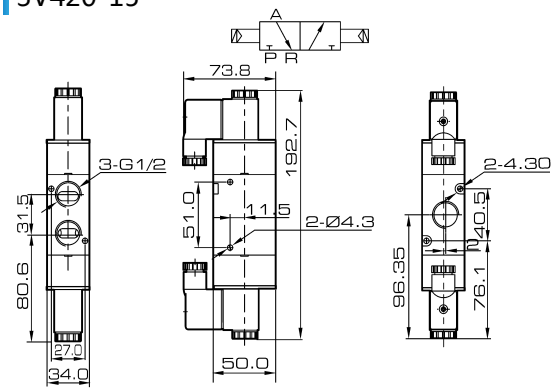
4A430-15



3V410-15



3V420-15

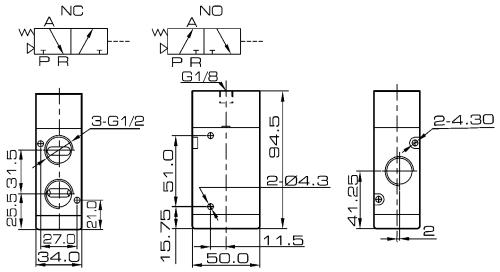


CE
ISO9001:2008

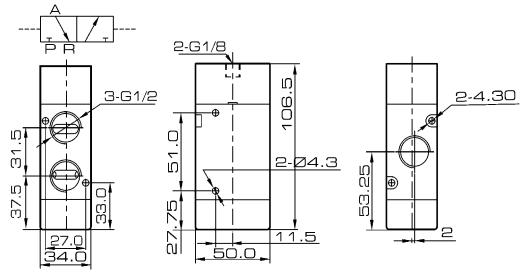
4V400 Series
Solenoid Valve, Air Piloted Valve

Overall Dimension

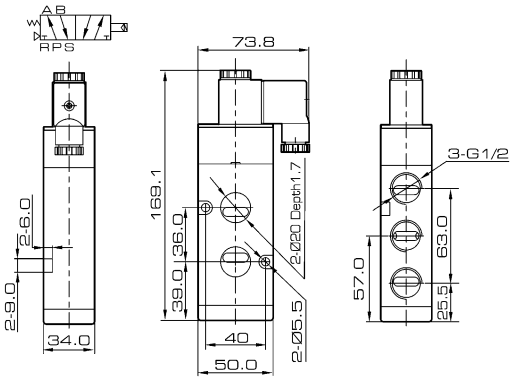
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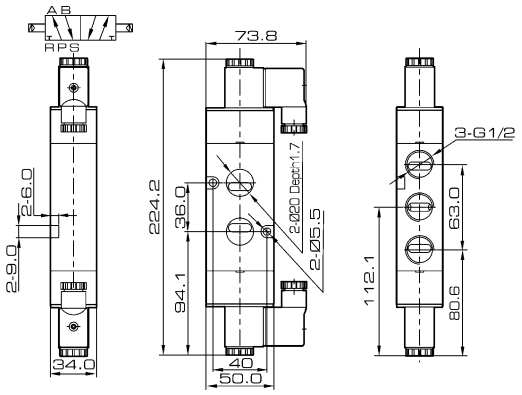
3A420-15



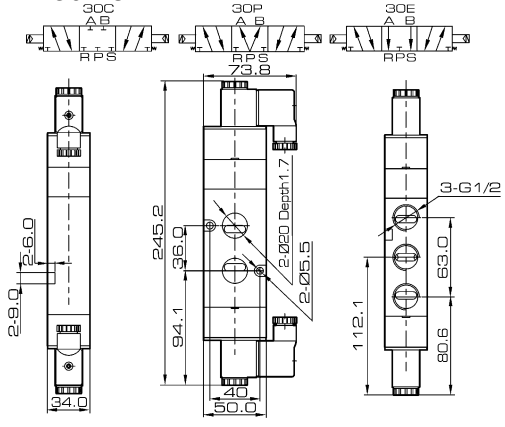
4V410-15B



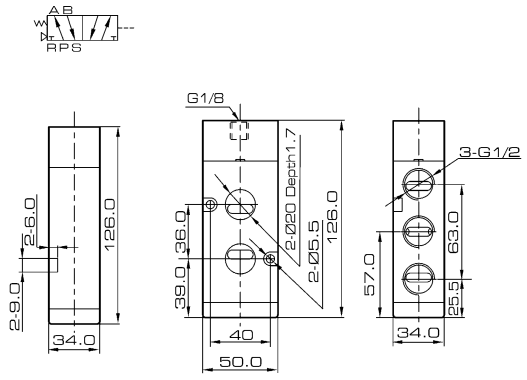
4V420-15B



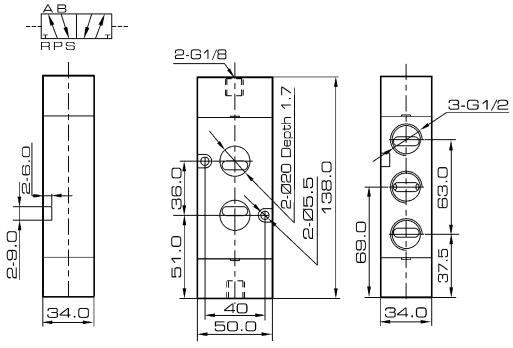
4V430-15B



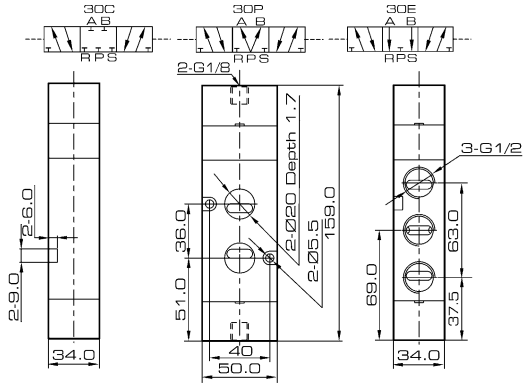
4A410-15B



4A420-15B



4A430-15B



GC Series
Air Source Treatment
(3 or 2 Combination)

Vilop®
PNEUMATIC EQUIPMENT
Cylinder series/ Gas source series/ Valve series/ Other serises


GC


GFC


GFR

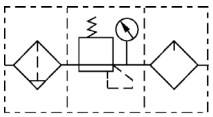

GR

Ordering Code

GC	-	200	-	08	-	M	-	F	-	1	-	W	-	G
Code		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		2: 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														

*Note: No Auto Drain type is available on GC 200 Series.
**Note: Max. adjustable pressure is at 0.4 MPa on Low pressure type.

Symbol



Specification

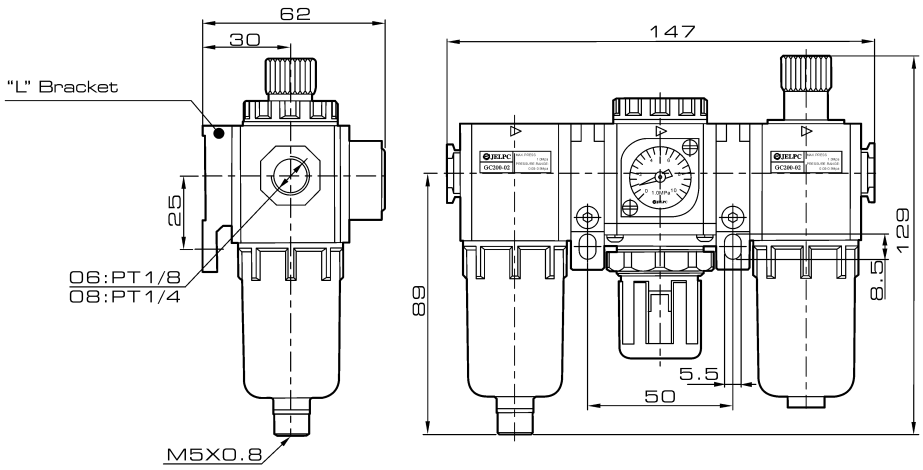
Model		GC200-06	GC200-08	GC300-08	GC300-10	GC300-15	GC400-10	GC400-15
Working medium		Air						
Port Size		PT 1/8	PT 1/4	PT 1/4	PT 3/8	PT 1/2	PT 3/8	PT 1/2
Filtration		40 μ or 5 μ						
Adjustable pressure range		0.15 ~ 0.9 MPa						
Maximum working pressure		1.0 MPa						
Proof Pressure		1.5 MPa						
Operating Temperature Range		5 ~ 60 ℃						
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	GF 200-06	GF 200-08	GF 300-08	GF 300-10	GF 300-15	GF 400-10	GF 400-15
	Regulator	GR 200-06	GR 200-08	GR 300-08	GR 300-10	GR 300-15	GR 400-10	GR 400-15
	Lubricator	GL 200-06	GL 200-08	GL 300-08	GL 300-10	GL 300-15	GL 400-10	GL 400-15

CE
ISO9001:2008

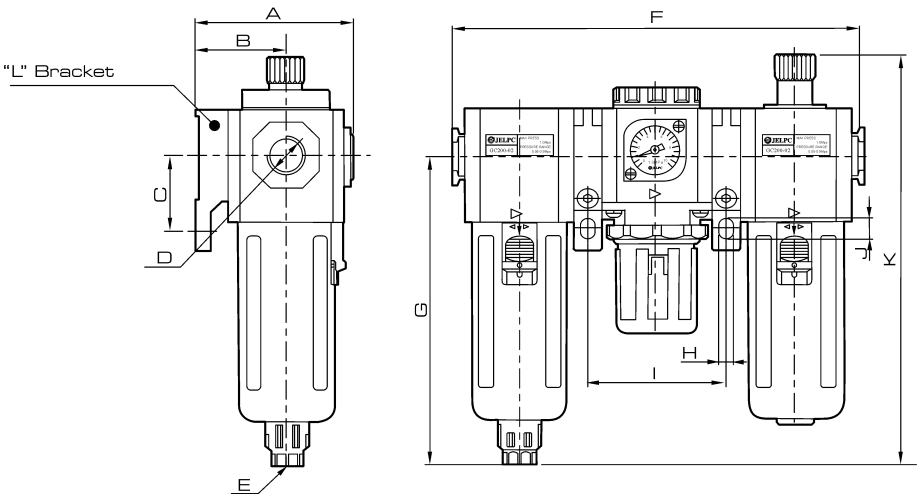
GC Series
Air Source Treatment
(3 or 2 Combination)

Overall Dimension

GC 200



GC 300
GC 400



Dimension

Model / Symbol	A	B	C	D	E	F	G	H	I	J	K
GC300-08	71	41.5	35	PT 1/4	PS 1/8	188	143	6.5	64	9	188
GC300-10	71	41.5	35	PT 3/8	PS 1/8	188	143	6.5	64	9	188
GC300-15	71	41.5	35	PT 1/2	PS 1/8	188	143	6.5	64	9	188
GC400-10	85.5	50	40	PT 3/8	PS 1/4	248	166.5	8.6	84	12	216
GC400-15	85.5	50	40	PT 1/2	PS 1/4	248	166.8	8.6	84	12	216

CE
ISO9001:2008

AL, BL Series
Lubricator



AL2000



AL2000

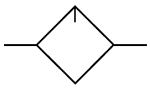


BL (2000 ~ 4000)

Ordering Code

BL	-	3000
Model		Port Size
AL: Small 		1500: G 1/8"
		2000: G 1/4"
		3000: G 3/8"
BL: Medium 		4000: G 1/2"

Symbol

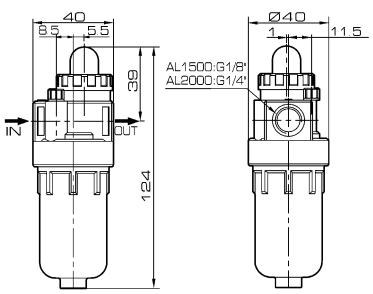


Specification

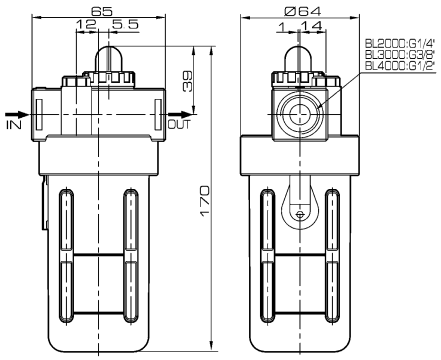
Model		AL1500	AL2000	BL2000	BL3000	BL4000
Operating Fluid		Air				
Port Size		G 1/8"	G 1/4"	G 1/4"	G 3/8"	G 1/2"
Range of Adjustable Pressure		1.5 MPa				
Proof Pressure Resistance		5 ~ 60 ℃				
Operating Temperature Range		ISO VG 32 or Same Grade Oil				
Capacity of Filter Cup		25 cc		90 cc		
Weight		0.17 KG		0.25 KG		
Material	Body	Aluminum Alloy Die-casting Forming				
	Container Cup	PC				
	Protective Cover	-		Iron		

Overall Dimension

AL



BL



ISO9001:2008 CE

Push-in Connectors
Pneumatic Fittings

用途 / Application

为用于气压配管的单触式管连接口，根据使用者的情况，可用于多种用途。

One-touch tube joint is for the application of air pressure tubing. However, it applies to other application depend upon the user condition.

特点 / Characteristics

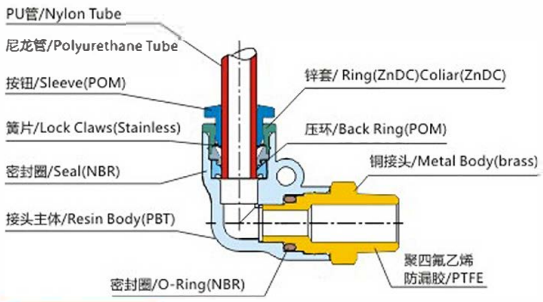
1.快速安装，简单灵巧，节省空间；
2.型式多样，满足任何气动布管需要；
3.即使安装以后，塑料管体也可任意转向；
4.按扭采用椭圆型设计，拆卸更加省力方便；
5.所有锥管螺纹预涂聚四氟乙烯防漏胶，密封性能好；
6.接头均带内六角孔，便于狭窄处安装。

1.Quick installation,simple and flexible,space-saving.
2.The tube fitting comes in a wide variety of models to meet all your needs in pneumatic piping.
3.Even after installation,the direction of tubing can be changed freely.
4.The release ring adopts the ellipse design to make it more convenient and labor-saving for disconnection.
5.All taper pipe threads are pre-coated with Teflon with fine seal performance.
6.All fittings are equipped with the internal hexagonal holes.It is easy for them to be mounted in the narrow places.

技术参数/ Specification

使用流体/ Fluid	空气，真空/ Air, Vacuum
使用压力范围/ Pressure Range	0~1.0MPa
负压/ Negative Pressure	-100KPa(10Torr)
耐压/ Max Pressure	1.5MPa
使用温度范围/ Temerature Range	-10~80℃
适用软管/ Applicable Tube	尼龙及PU / Nylon(PA) Polyurethane (PU)

结构图/ Structure Chart



型号命名/ Product Code System

A P C 8 - 01
① ② ③ ④

① 系列号/ Series：无：黑色系列,A：灰色系列。
nothing： indicates black series, A： grey series.
② 型号/ Type
③ 气管外径/ Tube outer diameter

注意 Caution

在使用前必读懂样本共同注意事项和管接头使用注意事项。
在连接管接头和气管时，请把气管插到底。
如没有连接好，则可能发生漏气或气管脱落现象。
Please pay attention to the caution and warming before usage.
Please insert the tube to the bottom when connecting the fittings and tubes.Air leaking or tube falling may happened if not connect well.

警告 Warning

如使用流体为水，请检查确认与产品规格所示条件是否吻合后再使用。
如不然，则可能发生管接头的破损，漏气及管脱落现象。
If use waterfuid, Please check and confirm to comply with specitication otherwise, breakage, air leakage, falling would happen.

	公制管/ Metric Size						英制管/ Inch Size					
代号/Code	4	6	8	10	12	16	5/32	3/16	1/14	5/16	3/8	1/2
气管外径 Tube outer diameter mm	Φ4	Φ6	Φ8	Φ10	Φ12	Φ16	Φ5/32	Φ3/16	Φ1/14	Φ5/16	Φ3/8	Φ1/2

④ 螺纹型式及尺寸/Thread Type and size

	公制/ Metric Size								
代号/Code	M5	M6	M8	M10	M12	M12A	M14	M16	M20
螺纹/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°锥管螺纹/ 55°Taper Pipe Thread				
代号/Code	01	02	03	04	06
螺纹/Thread	R1/8	R1/4	R3/8	R1/2	R3/4

	55°G螺纹/ 55°G - Thread				
Code	G01	G02	G03	G04	G06
Size	G1/8	G1/4	G3/8	G1/2	G3/4

	统一细牙螺纹/ UNF	美制60°锥管螺纹/American Standard taper pipe thread(NPT)				
代号/Code	U10	N01	N02	N03	N04	N06
螺纹/Thread	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

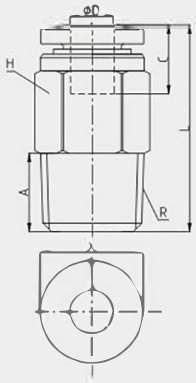
※注：本公司可供各种气管外径与螺纹型式的任意组合，如客户另有特殊要求，可与本公司联系。

※Note:Our company may provide any combination form of various outside diameter of air pipe and thread type.For special requirements,clients may contact our company.

PC

1) 螺纹直通
Straight



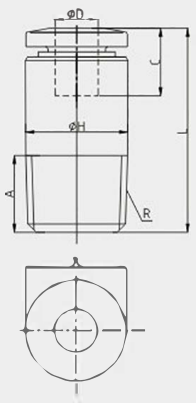


型号 MODEL	D	R	A	L	H	内六角	X	C
PC4-M5	4	M5	3.5	20.8	10	2	9.9	14.8
PC4-01	4	R1/8	7.5	20.3	10	3	9.9	14.8
PC4-02	4	R1/4	9.5	18.4	14	3	9.9	14.8
PC6-M5	6	M5	3.5	21.5	12	2	11.8	15.8
PC6-01	6	R1/8	7.5	21	12	4	11.8	15.8
PC6-02	6	R1/4	9.5	22.8	14	4	11.8	15.8
PC6-03	6	R3/8	10.5	20.8	17	4	11.8	15.8
PC6-04	6	R1/2	13.5	24.8	21	4	11.8	15.8
PC8-01	8	R1/8	7.5	26	14	5	13.8	17.3
PC8-02	8	R1/4	9.5	25	14	6	13.8	17.3
PC8-03	8	R3/8	10.5	22	17	6	13.8	17.3
PC8-04	8	R1/2	13.5	26	21	6	13.8	17.3
PC10-01	10	R1/8	7.5	28.6	17	5	16.8	19.6
PC10-02	10	R1/4	9.5	30.4	17	6	16.8	19.6
PC10-03	10	R3/8	10.5	27.4	17	8	16.8	19.6
PC10-04	10	R1/2	13.5	26.7	21	8	16.8	19.6
PC12-01	12	R1/8	7.5	31.6	21	5	19.8	22.2
PC12-02	12	R1/4	9.5	33.1	21	6	19.8	22.2
PC12-03	12	R3/8	10.5	30.1	21	8	19.8	22.2
PC12-04	12	R1/2	13.5	33.1	21	8	19.8	22.2
PC16-03	16	R3/8	10.5	38.1	24	8	27	25
PC16-04	16	R1/2	13.5	35.1	24	10	27	25

POC

2) 圆螺纹直通
Hex.Holed Straight



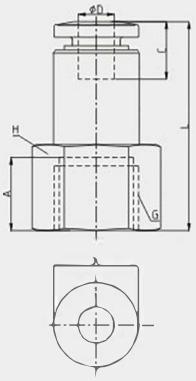


型号 MODEL	D	R	A	L	H	内六角	X	C
POC4-M5	4	M5	3.5	20.8	10	2	9.9	14.8
POC4-01	4	R1/8	7.5	20.3	10	3	9.9	14.8
POC4-02	4	R1/4	9.5	18.4	14	3	9.9	14.8
POC6-M5	6	M5	3.5	21.5	12	2	11.8	15.8
POC6-01	6	R1/8	7.5	21	12	4	11.8	15.8
POC6-02	6	R1/4	9.5	22.8	14	4	11.8	15.8
POC6-03	6	R3/8	10.5	20.8	17	4	11.8	15.8
POC6-04	6	R1/2	13.5	24.8	21	4	11.8	15.8
POC8-01	8	R1/8	7.5	26	14	5	13.8	17.3
POC8-02	8	R1/4	9.5	25	14	6	13.8	17.3
POC8-03	8	R3/8	10.5	22	17	6	13.8	17.3
POC8-04	8	R1/2	13.5	26	21	6	13.8	17.3
POC10-01	10	R1/8	7.5	28.6	17	5	16.8	19.6
POC10-02	10	R1/4	9.5	30.4	17	6	16.8	19.6
POC10-03	10	R3/8	10.5	27.4	17	8	16.8	19.6
POC10-04	10	R1/2	13.5	26.7	21	8	16.8	19.6
POC12-01	12	R1/8	7.5	31.6	21	5	19.8	22.2
POC12-02	12	R1/4	9.5	33.1	21	6	19.8	22.2
POC12-03	12	R3/8	10.5	30.1	21	8	19.8	22.2
POC12-04	12	R1/2	13.5	33.1	21	8	19.8	22.2
POC16-03	16	R3/8	10.5	38.1	24	8	27	25
POC16-04	16	R1/2	13.5	35.1	24	10	27	25

PCF

3) 内螺纹直通
Bulkhead Female Straight



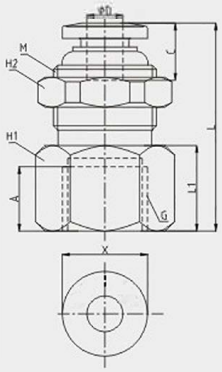


型号 MODEL	D	G	A	L	H	X	C
PCF4-M5	4	M5	5.5	21.3	10	9.9	14.8
PCF4-G01	4	G1/8	8.5	24.3	14	9.9	14.8
PCF4-G02	4	G1/4	11	26.8	17	9.9	14.8
PCF6-M5	6	M5	5.5	22.3	12	11.8	15.8
PCF6-G01	6	G1/8	8.5	25.3	14	11.8	15.8
PCF6-G02	6	G1/4	11	27.8	17	11.8	15.8
PCF6-G03	6	G3/8	12	28.5	21	11.8	15.8
PCF6-G04	6	G1/2	14	30.5	24	11.8	15.8
PCF8-G01	8	G1/8	8.5	26.5	14	13.8	17.3
PCF8-G02	8	G1/4	11	29	17	13.8	17.3
PCF8-G03	8	G3/8	12	30	21	13.8	17.3
PCF8-G04	8	G1/2	14	32.3	24	13.8	17.3
PCF10-G01	10	G1/8	8.5	29.1	17	16.8	19.6
PCF10-G02	10	G1/4	11	31.6	17	16.8	19.6
PCF10-G03	10	G3/8	12	32.6	21	16.8	19.6
PCF10-G04	10	G1/2	14	35.8	24	16.8	19.6
PCF12-G01	12	G1/8	8.5	31.6	21	19.8	22.2
PCF12-G02	12	G1/4	11	34.1	21	19.8	22.2
PCF12-G03	12	G3/8	12	35.1	21	19.8	22.2
PCF12-G04	12	G1/2	14	37.1	24	19.8	22.2

PMF

4) 内螺纹隔板直通
Female Straight Bulkhead Union



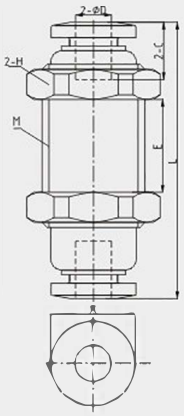


型号 MODEL	D	G	A	L	L1	H1	M	H2	X	C
PMF4-G01	4	G1/8	8.5	23.8	11	14	M12	14	9.9	14.8
PMF4-G02	4	G1/4	11	29.2	14	17	M12	14	9.9	14.8
PMF4-G03	4	G3/8	12	30.2	15	21	M12	14	9.9	14.8
PMF6-G01	6	G1/8	8.5	27.1	9	17	M14	17	11.8	15.8
PMF6-G02	6	G1/4	11	30.2	13.5	17	M14	17	11.8	15.8
PMF6-G03	6	G3/8	12	31.2	15	19	M14	17	11.8	15.8
PMF8-G01	8	G1/8	8.5	32	10	19	M16	19	13.8	17.3
PMF8-G02	8	G1/4	11	35	14	19	M16	19	13.8	17.3
PMF8-G03	8	G3/8	12	36	15	19	M16	19	13.8	17.3
PMF8-G04	8	G1/2	14	37.7	19	24	M16	19	13.8	17.3
PMF10-G01	10	G1/8	8.5	31	11	22	M20	24	16.8	19.6
PMF10-G02	10	G1/4	11	36.2	14	24	M20	24	16.8	19.6
PMF10-G03	10	G3/8	12	35	15	24	M20	24	16.8	19.6
PMF10-G04	10	G1/2	14	39	19	24	M20	24	16.8	19.6
PMF12-G01	12	G1/8	8.5	31	10	24	M22	27	19.8	22.2
PMF12-G02	12	G1/4	11	38.1	13	24	M22	27	19.8	22.2
PMF12-G03	12	G3/8	12	38.1	15	24	M22	27	19.8	22.2
PMF12-G04	12	G1/2	14	41.5	19	24	M22	27	19.8	22.2

PM

5) 隔板直通
Bulkhead Union



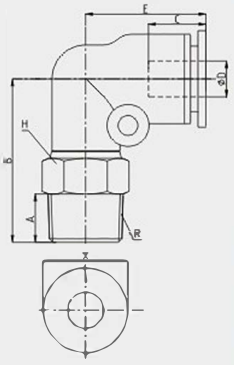


型号 MODEL	D	M	E	H	L	X	C
PM4	4	M12	10.4	14	31.6	9.9	14.8
PM6	6	M14	8.2	17	32.5	11.8	15.8
PM8	8	M16	8	19	35.5	13.8	17.3
PM10	10	M20	10.4	24	40.2	16.8	19.6
PM12	12	M22	14	27	45.7	19.8	22.2
PM16	16	M27	20	30	51.2	27	25

PL

6) L型螺纹二通
Male Elbow L



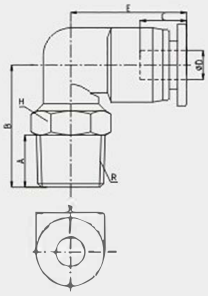


型号 MODEL	D	R	A	E	B	H	X	C
PL4-M5	4	M5	3.5	17.9	17	8	9.9	15.3
PL4-01	4	R1/8	7.5	17.9	24.2	10	9.9	15.3
PL4-02	4	R1/4	9.5	17.9	27.2	14	9.9	15.3
PL6-M5	6	M5	3.5	20.1	17	8	11.8	15.9
PL6-01	6	R1/8	7.5	20	26.5	12	11.8	16.7
PL6-02	6	R1/4	9.5	20	29	14	11.8	16.7
PL6-03	6	R3/8	10.5	20	30.5	17	11.8	16.7
PL6-04	6	R1/2	13.5	20	34	21	11.8	16.7
PL8-01	8	R1/8	7.5	23.5	30	14	13.8	19.1
PL8-02	8	R1/4	9.5	23.5	32	14	13.8	19.1
PL8-03	8	R3/8	10.5	23.5	33.5	17	13.8	19.1
PL8-04	8	R1/2	13.5	23.5	37	21	13.8	19.1
PL10-01	10	R1/8	7.5	26.8	33.8	17	16.8	21.2
PL10-02	10	R1/4	9.5	26.8	35.9	17	16.8	21.2
PL10-03	10	R3/8	10.5	26.8	36.9	17	16.8	21.2
PL10-04	10	R1/2	13.5	26.8	40.3	21	16.8	21.2
PL12-01	12	R1/8	7.5	30.8	37.5	21	19.8	24.4
PL12-02	12	R1/4	9.5	30.8	39.5	21	19.8	24.4
PL12-03	12	R3/8	10.5	30.8	40.5	21	19.8	24.4
PL12-04	12	R1/2	13.5	30.8	43.5	21	19.8	24.4
PL16-03	16	R3/8	10.5	32.5	43.5	24	27	25
PL16-04	16	R1/2	13.5	32.5	47.3	24	27	25

GPL

7) L型螺纹二通
Male Elbow L

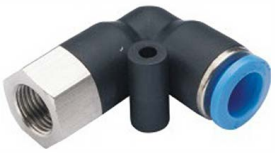


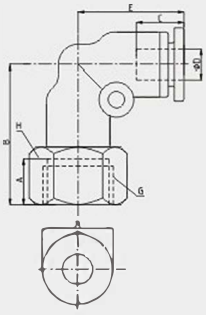


型号 MODEL	D	R	A	E	B	H	X	C
GPL4-01	4	R1/8	7.5	17.9	19.5	10	9.9	15.3
GPL4-02	4	R1/4	9.5	17.9	22.5	14	9.9	15.3
GPL6-01	6	R1/8	7.5	20.5	22	10	11.8	16.7
GPL6-02	6	R1/4	9.5	20.5	22.8	14	11.8	16.7
GPL6-03	6	R3/8	10.5	20.5	24.3	17	11.8	16.7
GPL6-04	6	R1/2	13.5	20.5	27.8	21	11.8	16.7
GPL8-01	8	R1/8	7.5	23.3	26.9	12	13.8	19.1
GPL8-02	8	R1/4	9.5	23.3	24	14	13.8	19.1
GPL8-03	8	R3/8	10.5	23.3	25.5	17	13.8	19.1
GPL8-04	8	R1/2	13.5	23.3	29	21	13.8	19.1
GPL10-01	10	R1/8	7.5	27	28.9	17	16.8	21.2
GPL10-02	10	R1/4	9.5	27	31	17	16.8	21.2
GPL10-03	10	R3/8	10.5	27	31	17	16.8	21.2
GPL10-04	10	R1/2	13.5	27	31	21	16.8	21.2
GPL12-01	12	R1/8	7.5	29.3	30.1	17	19.8	24.4
GPL12-02	12	R1/4	9.5	29.3	32.2	17	19.8	24.4
GPL12-03	12	R3/8	10.5	29.3	32.2	17	19.8	24.4
GPL12-04	12	R1/2	13.5	29.3	32.2	21	19.8	24.4
GPL16-03	16	R3/8	10.5	33.5	33.7	20	27	25
GPL16-04	16	R1/2	13.5	33.5	33.7	21	27	25

PLF

8) L 型内螺纹二通
Female Elbow L



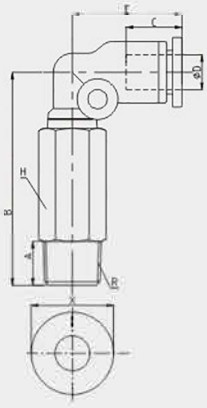


型号 MODEL	D	G	A	E	B	H	X	C
PLF4-M5	4	M5	5.5	17.9	15	10	9.9	15.3
PLF4-G01	4	G1/8	8.5	17.9	23.2	14	9.9	15.3
PLF4-G02	4	G1/4	11	17.9	26.2	17	9.9	15.3
PLF6-M5	6	M5	5.5	20.1	15	12	11.8	15.9
PLF6-G01	6	G1/8	8.5	20	25	14	11.8	16.7
PLF6-G02	6	G1/4	11	20	28	17	11.8	16.7
PLF6-G03	6	G3/8	12	20	29.5	21	11.8	16.7
PLF6-G04	6	G1/2	14	20	32	24	11.8	16.7
PLF8-G01	8	G1/8	8.5	23.5	26.5	14	13.8	19.1
PLF8-G02	8	G1/4	11	23.5	31	17	13.8	19.1
PLF8-G03	8	G3/8	12	23.5	32.5	21	13.8	19.1
PLF8-G04	8	G1/2	14	23.5	35	24	13.8	19.1
PLF10-G01	10	G1/8	8.5	26.8	27.5	17	16.8	21.2
PLF10-G02	10	G1/4	11	26.8	34.3	17	16.8	21.2
PLF10-G03	10	G3/8	12	26.8	35.8	21	16.8	21.2
PLF10-G04	10	G1/2	14	26.8	38.3	24	16.8	21.2
PLF12-G01	12	G1/8	8.5	30.8	31	24	19.8	24.4
PLF12-G02	12	G1/4	11	30.8	37.5	21	19.8	24.4
PLF12-G03	12	G3/8	12	30.8	39	21	19.8	24.4
PLF12-G04	12	G1/2	14	30.8	41.5	24	19.8	24.4
PLF16-G03	16	R3/8	12	33	40.5	24	27	25
PLF16-G04	16	R1/2	14	33	42.5	24	27	25

PLL

9) L 型加长螺纹二通
Male Long Elbow





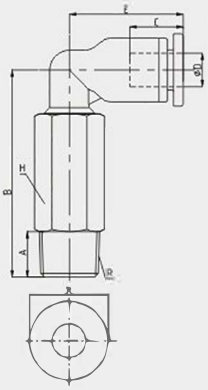
型号 MODEL	D	R	A	E	B	H	X	C
PLL4-M5	4	M5	3.5	17.9	29.5	8	9.9	15.3
PLL4-01	4	R1/8	7.5	17.9	36.7	10	9.9	15.3
PLL4-02	4	R1/4	9.5	17.9	39.7	14	9.9	15.3
PLL6-M5	6	M5	3.5	20.1	31.5	8	11.8	15.9
PLL6-01	6	R1/8	7.5	20	41	12	11.8	16.7
PLL6-02	6	R1/4	9.5	20	43.5	14	11.8	16.7
PLL6-03	6	R3/8	10.5	20	45	17	11.8	16.7
PLL6-04	6	R1/2	13.5	20	48.5	21	11.8	16.7
PLL8-01	8	R1/8	7.5	23.5	46	14	13.8	19.1
PLL8-02	8	R1/4	9.5	23.5	48	14	13.8	19.1
PLL8-03	8	R3/8	10.5	23.5	49.5	17	13.8	19.1
PLL8-04	8	R1/2	13.5	23.5	53	21	13.8	19.1
PLL10-01	10	R1/8	7.5	26.8	53.8	17	16.8	21.2
PLL10-02	10	R1/4	9.5	26.8	55.9	17	16.8	21.2
PLL10-03	10	R3/8	10.5	26.8	56.9	17	16.8	21.2
PLL10-04	10	R1/2	13.5	26.8	60.3	21	16.8	21.2
PLL12-01	12	R1/8	7.5	30.8	61.1	21	19.8	24.4
PLL12-02	12	R1/4	9.5	30.8	63.1	21	19.8	24.4
PLL12-03	12	R3/8	10.5	30.8	64.1	21	19.8	24.4
PLL12-04	12	R1/2	13.5	30.8	67.1	21	19.8	24.4
PLL16-03	16	R3/8	10.5	33	74	24	27	25
PLL16-04	16	R1/2	13.5	33	78.5	24	27	25

GPLL

L 型加长螺纹二通

10) **Male Long Elbow**





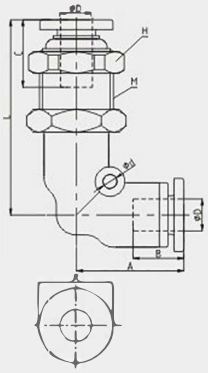
型号 MODEL	D	R	A	E	B	H	X	C
GPLL4-01	4	R1/8	7.5	17.9	32	10	9.9	15.3
GPLL4-02	4	R1/4	9.5	17.9	35	14	9.9	15.3
GPLL6-01	6	R1/8	7.5	20	36	10	11.8	16.7
GPLL6-02	6	R1/4	9.5	20	37.3	14	11.8	16.7
GPLL6-03	6	R3/8	10.5	20	38.8	17	11.8	16.7
GPLL6-04	6	R1/2	13.5	20	42.3	21	11.8	16.7
GPLL8-01	8	R1/8	7.5	23.5	42.9	12	13.8	19.1
GPLL8-02	8	R1/4	9.5	23.5	40	14	13.8	19.1
GPLL8-03	8	R3/8	10.5	23.5	41.5	17	13.8	19.1
GPLL8-04	8	R1/2	13.5	23.5	45	21	13.8	19.1
GPLL10-01	10	R1/8	7.5	26.8	48.9	17	16.8	21.2
GPLL10-02	10	R1/4	9.5	26.8	51	17	16.8	21.2
GPLL10-03	10	R3/8	10.5	26.8	51	17	16.8	21.2
GPLL10-04	10	R1/2	13.5	26.8	51	21	16.8	21.2
GPLL12-01	12	R1/8	7.5	30.8	53.7	17	19.8	24.4
GPLL12-02	12	R1/4	9.5	30.8	55.8	17	19.8	24.4
GPLL12-03	12	R3/8	10.5	30.8	55.8	17	19.8	24.4
GPLL12-04	12	R1/2	13.5	30.8	55.8	21	19.8	24.4
GPLL16-03	16	R3/8	10.5	33.5	61.3	20	27	25
GPLL16-04	16	R1/2	13.5	33.5	64.3	21	27	25

PLM

L型螺纹二通

11) **Male Elbow L**





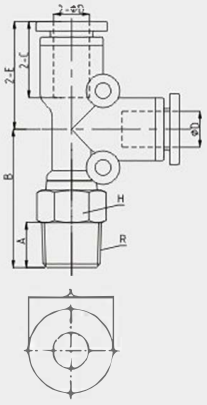
型号 MODEL	D	M	L	A	B	▶	d	X	C
PLM4	4	M12	31.3	17.5	14.8	14	3.3	9.9	15.3
PLM6	6	M14	38.1	19	15.8	17	3.2	11.8	16.7
PLM8	8	M16	43.5	22.8	17.3	19	3.3	13.8	19.1
PLM10	10	M20	51.4	27.6	19.6	24	4.3	16.8	21.2
PLM12	12	M22	56.1	29.6	22.2	27	4.3	19.8	24.4
PLM16	16	M27	62.6	32.5	25	30	5.1	27	25

PD

T型分支螺纹三通

12) **Branch Tee**





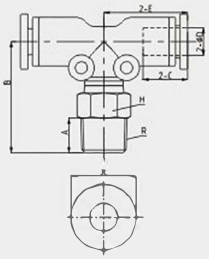
型号 MODEL	D	R	A	E	B	H	X	C
PD4-M5	4	M5	3.5	18	21.8	8	9.9	15.3
PD4-01	4	R1/8	7.5	18	24.3	10	9.9	15.3
PD4-02	4	R1/4	9.5	18	27.3	14	9.9	15.3
PD6-M5	6	M5	3.5	20.3	23.8	8	11.8	16.7
PD6-01	6	R1/8	7.5	20.3	26.8	12	11.8	16.7
PD6-02	6	R1/4	9.5	20.3	29.3	14	11.8	16.7
PD6-03	6	R3/8	10.5	20.3	30.8	17	11.8	16.7
PD6-04	6	R1/2	13.5	20.3	34.3	21	11.8	16.7
PD8-01	8	R1/8	7.5	23.5	30	14	13.8	19.1
PD8-02	8	R1/4	9.5	23.5	32	14	13.8	19.1
PD8-03	8	R3/8	10.5	23.5	33.5	17	13.8	19.1
PD8-04	8	R1/2	13.5	23.5	37	21	13.8	19.1
PD10-01	10	R1/8	7.5	26.8	33.8	17	16.8	21.2
PD10-02	10	R1/4	9.5	26.8	35.9	17	16.8	21.2
PD10-03	10	R3/8	10.5	26.8	36.9	17	16.8	21.2
PD10-04	10	R1/2	13.5	26.8	40.3	21	16.8	21.2
PL12-01	12	R1/8	7.5	26.8	34.3	21	19.8	24.4
PD12-02	12	R1/4	9.5	30.8	39.5	21	19.8	24.4
PD12-03	12	R3/8	10.5	30.8	40.5	21	19.8	24.4
PD12-04	12	R1/2	13.5	30.8	43.5	21	19.8	24.4
PD16-03	16	R3/8	10.5	32.5	43.5	24	27	25
PD16-04	16	R1/2	13.5	32.5	46.5	24	27	25

PB

T型螺纹三通

13) **Branch Tee**





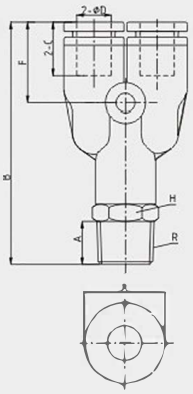
型号 MODEL	D	R	A	E	B	H	X	C
PB4-M5	4	M5	3.5	18	21.8	8	9.9	15.3
PB4-01	4	R1/8	7.5	18	24.3	10	9.9	15.3
PB4-02	4	R1/4	9.5	18	27.3	14	9.9	15.3
PB6-M5	6	M5	3.5	20.3	23.8	8	11.8	16.7
PB6-01	6	R1/8	7.5	20.3	26.8	12	11.8	16.7
PB6-02	6	R1/4	9.5	20.3	29.3	14	11.8	16.7
PB6-03	6	R3/8	10.5	20.3	30.8	17	11.8	16.7
PB6-04	6	R1/2	13.5	20.3	34.3	21	11.8	16.7
PB8-01	8	R1/8	7.5	23.5	30	14	13.8	19.1
PB8-02	8	R1/4	9.5	23.5	32	14	13.8	19.1
PB8-03	8	R3/8	10.5	23.5	33.5	17	13.8	19.1
PB8-04	8	R1/2	13.5	23.5	37	21	13.8	19.1
PB10-01	10	R1/8	7.5	26.8	33.8	17	16.8	21.2
PB10-02	10	R1/4	9.5	26.8	35.9	17	16.8	21.2
PB10-03	10	R3/8	10.5	26.8	36.9	17	16.8	21.2
PB10-04	10	R1/2	13.5	26.8	40.3	21	16.8	21.2
PB12-01	12	R1/8	7.5	30.8	37.5	21	19.8	24.4
PB12-02	12	R1/4	9.5	30.8	39.5	21	19.8	24.4
PB12-03	12	R3/8	10.5	30.8	40.5	21	19.8	24.4
PB12-04	12	R1/2	13.5	30.8	43.5	21	19.8	24.4
PB16-03	16	R3/8	10.5	32.5	43.5	24	27	25
PB16-04	16	R1/2	13.5	32.5	46.5	24	27	25

PX

Y型螺纹三通

14) **Branch Tee**





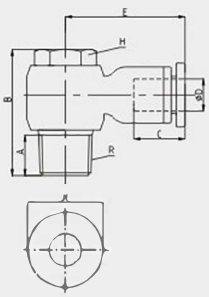
型号 MODEL	D	R	A	F	B	H	X	C
PX4-M5	4	M5	3.5	14.2	39.7	8	9.9	15.3
PX4-01	4	R1/8	7.5	14.2	42.2	10	9.9	15.3
PX4-02	4	R1/4	9.5	14.2	45.2	14	9.9	15.3
PX6-M5	6	M5	3.5	15	42	8	11.8	15.9
PX6-01	6	R1/8	7.5	15	45	12	11.8	15.9
PX6-02	6	R1/4	9.5	15	47.5	14	11.8	15.9
PX6-03	6	R3/8	10.5	15	49	17	11.8	15.9
PX6-04	6	R1/2	13.5	15	52.5	21	11.8	15.9
PX8-01	8	R1/8	7.5	19.7	49.9	14	13.8	19.1
PX8-02	8	R1/4	9.5	19.7	51.9	14	13.8	19.1
PX8-03	8	R3/8	10.5	19.7	53.4	17	13.8	19.1
PX8-04	8	R1/2	13.5	19.7	56.9	21	13.8	19.1
PX10-01	10	R1/8	7.5	20.5	56	17	16.8	21.2
PX10-02	10	R1/4	9.5	20.5	58.1	17	16.8	21.2
PX10-03	10	R3/8	10.5	20.5	59.1	17	16.8	21.2
PX10-04	10	R1/2	13.5	20.5	62.5	21	16.8	21.2
PX12-01	12	R1/8	7.5	22	61.5	21	19.8	24.4
PX12-02	12	R1/4	9.5	22.8	64.3	21	19.8	24.4
PX12-03	12	R3/8	10.5	22.8	65.3	21	19.8	24.4
PX12-04	12	R1/2	13.5	22.8	68.3	21	19.8	24.4
PX16-03	16	R3/8	10.5	24	71.5	24	27	25
PX16-04	16	R1/2	13.5	24	75.5	24	27	25

PH

外六角接头

15) **Universal Elbow**





型号 MODEL	D	R	A	B	H	E	X	C
PH4-M5	4	M5	3.5	17	8			
PH4-01	4	R1/8	7.5	23.5	10	22.5	9.9	15.3
PH4-02	4	R1/4	9.5	26.3	14	25.9	9.9	15.3
PH6-01	6	R1/8	7.5	23.5	10	24.1	11.8	16.7
PH6-02	6	R1/4	9.5	26.3	14	26.2	11.8	16.7
PH6-03	6	R3/8	10.5	31.9	19	29.5	11.8	16.7
PH6-04	6	R1/2	13.5	38.6	24	32.5	11.8	16.7
PH8-01	8	R1/8	7.5	23.5	10	26.1	13.8	19.1
PH8-02	8	R1/4	9.5	26.3	14	29.2	13.8	19.1
PH8-03	8	R3/8	10.5	31.9	19	30	13.8	19.1
PH8-04	8	R1/2	13.5	38.6	24	33	13.8	19.1
PH10-02	10	R1/4	9.5	26.3	14	32	16.8	21.2
PH10-03	10	R3/8	10.5	31.9	19	33.5	16.8	21.2
PH10-04	10	R1/2	13.5	38.6	24	35.6	16.8	21.2
PH12-02	12	R1/4	9.5	26.3	14	35.2	19.8	24.4
PH12-03	12	R3/8	10.5	31.9	19	37.3	19.8	24.4
PH12-04	12	R1/2	13.5	38.6	24	38.8	19.8	24.4

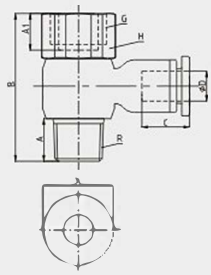
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

PHF

串联接头

16) **Female Universal Elbow**





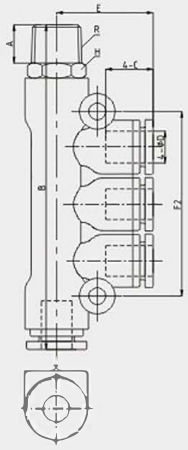
型号 MODEL	D	R	A	A1	H	B	G	X	C
PHF4-M5	4	M5	3.5	5.5	10	19.5	M5	9.9	15.3
PHF4-01	4	R1/8	7.5	8.5	14	29.5	G1/8	9.9	15.3
PHF4-02	4	R1/4	9.5	11	17	34.3	G1/4	9.9	15.3
PHF6-M5	6	M5	3.5	5.5	10	19.5	M5	11.8	16.7
PHF6-01	6	R1/8	7.5	8.5	14	29.5	G1/8	11.8	16.7
PHF6-02	6	R1/4	9.5	11	17	34.3	G1/4	11.8	16.7
PHF6-03	6	R3/8	10.5	12	21	40.4	G3/8	11.8	16.7
PHF6-04	6	R1/2	13.5	14	24	47.5	G1/2	11.8	16.7
PHF8-01	8	R1/8	7.5	8.5	14	29.5	G1/8	13.8	19.1
PHF8-02	8	R1/4	9.5	11	17	34.3	G1/4	13.8	19.1
PHF8-03	8	R3/8	10.5	12	21	40.4	G3/8	13.8	19.1
PHF8-04	8	R1/2	13.5	14	24	47.5	G1/2	13.8	19.1
PHF10-02	10	R1/4	9.5	11	17	34.3	G1/4	16.8	21.2
PHF10-03	10	R3/8	10.5	12	21	40.4	G3/8	16.8	21.2
PHF10-04	10	R1/2	13.5	14	24	47.5	G1/2	16.8	21.2
PHF12-02	12	R1/4	9.5	11	17	34.3	G1/4	19.8	24.4
PHF12-03	12	R3/8	10.5	12	21	40.4	G3/8	19.8	24.4
PHF12-04	12	R1/2	13.5	14	24	47.5	G1/2	19.8	24.4

PKB

螺纹五通

17) **Branch Triple**





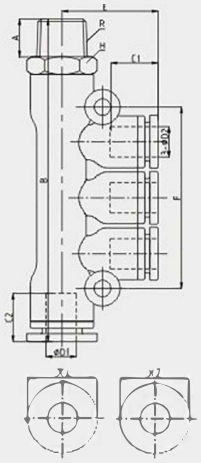
型号 MODEL	D	R	A	E	H	F2	B	X	C
PKB4-01	4	R1/8	7.5	19	10	36	63.5	9.9	15.3
PKB4-02	4	R1/4	9.5	19	14	36	66.5	9.9	15.3
PKB6-01	6	R1/8	7.5	20.3	12	42	67.8	11.8	16.7
PKB6-02	6	R1/4	9.5	20.3	14	42	69.8	11.8	16.7
PKB6-03	6	R3/8	10.5	20.3	17	42	72.3	11.8	16.7
PKB8-01	8	R1/8	7.5	24.3	14	48	69.3	13.8	19.1
PKB8-02	8	R1/4	9.5	24.3	14	48	71.3	13.8	19.1
PKB8-03	8	R3/8	10.5	24.3	17	48	72.8	13.8	19.1

PKD

减径螺纹五通

18) **Reduced Branch Triple**





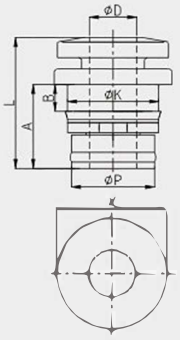
型号 MODEL	D1	D2	R	H	E	F	B	A	C1	C2	X1	X2
PKD6-4-01	6	4	R1/8	12	19	36	64.3	7.5	16.7	15.3	11.8	9.9
PKD8-4-02	8	4	R1/4	14	20	42	70.9	9.5	19.1	15.3	13.8	9.9
PKD8-6-02	8	6	R3/8	14	20.3	42	70.9	9.5	19.1	16.7	13.8	11.8
PKD10-8-03	10	8	R1/2	17	23.9	48	92.1	10.5	21.2	19.1	16.8	13.8

CAS

锌套组件

19) **Cartridge**





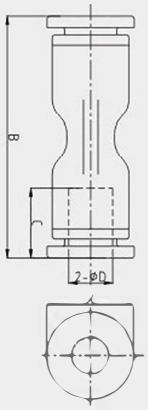
型号 MODEL	D	A	B	K	L	P	X
CAS04	4	7.5	2.4	8.1	11.7	7.4	9.9
CAS06	6	7.9	2.6	10	12.3	9.4	11.8
CAS08	8	9.1	3.5	12	14.1	11.3	13.8
CAS10	10	10.3	4	15	15.4	14.2	16.8
CAS12	12	12.3	4.7	17.6	18.1	16.8	19.8

PU

直通

20) **Union Straight**





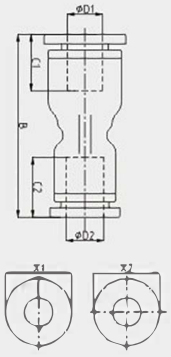
型号 MODEL	D	B	C	X
PU04	4	33.4	15.3	9.9
PU06	6	35.5	16.7	11.8
PU08	8	39.5	19.1	13.8
PU10	10	46.2	21.2	16.8
PU12	12	50.6	24.4	19.8
PU16	16	51	25	27

PG

减径直通

21) **Diff.Diam.Union Straight**





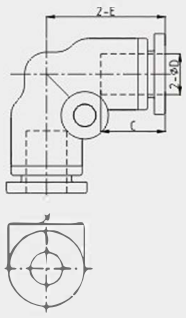
型号 MODEL	D1	D2	B	C1	C2	X1	X2
PG6-4	6	4	35.2	16.7	15.3	11.8	9.9
PG8-6	8	6	39	19.1	16.7	13.8	11.8
PG10-8	10	8	46.2	21.2	19.1	16.8	13.8
PG12-10	12	10	49.8	24.4	21.2	19.8	16.8

PV

L型二通

22) **Union Elbow**





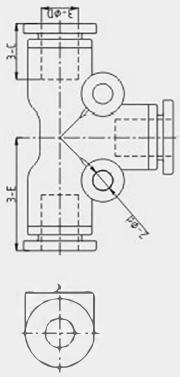
型号 MODEL	D	E	d	C	X
PV04	4	17.9	3.3	15.3	9.9
PV06	6	20.1	3.2	16.7	11.8
PV08	8	23.5	3.3	19.1	13.8
PV10	10	26.8	4.3	21.2	16.8
PV12	12	30.8	4.3	24.4	19.8
PV16	16	32.5	5.1	25	27

PE

T型三通

23) **Union Tee**





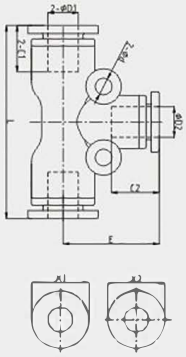
型号 MODEL	D	E	d	C	X
PE04	4	17.9	3.3	15.3	9.9
PE06	6	20.3	3.2	16.7	11.8
PE08	8	23.5	3.3	19.1	13.8
PE10	10	26.8	4.3	21.2	16.8
PE12	12	30.8	4.3	24.4	19.8
PE16	16	51	5.1	25	27

PEG

T型减径三通

24) **Diff.Diam Union Tee**





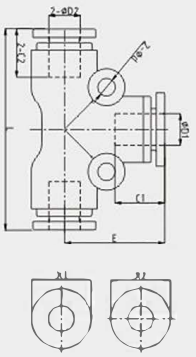
型号 MODEL	D1	D2	E	L	d	C1	C2	X1	X2
PEG6-4	6	4	20	40.5	3.2	16.7	15.3	11.8	9.9
PEG8-6	8	6	23	47	3.3	19.1	16.7	13.8	11.8
PEG10-8	10	8	26.8	53.6	4.3	21.2	19.1	16.8	13.8
PEG12-10	12	10	30	61.6	4.3	24.4	21.2	19.8	16.8

PEW

T型减径三通

25) **Diff.Diam Union Tee**





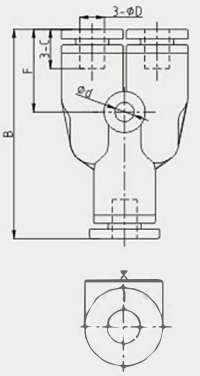
型号 MODEL	D1	D2	E	L	d	C1	C2	X1	X2
PEW6-4	6	4	20.3	39.9	3.2	16.7	15.3	11.8	9.9
PEW8-6	8	6	23.5	46	3.3	19.1	16.7	13.8	11.8
PEW10-8	10	8	26.8	53.6	4.3	21.2	19.1	16.8	13.8
PEW12-10	12	10	30.8	60	4.3	24.4	21.2	19.8	16.8

PY

Y型三通

26) **Union Y**





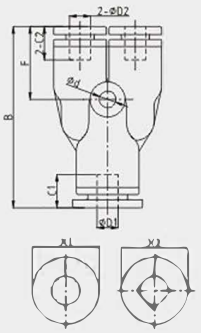
型号 MODEL	D	B	F	C	X	d
PY04	4	35.9	14.2	15.3	9.9	3.3
PY06	6	38.5	15	16.7	11.8	3.2
PY08	8	43.4	19.7	19.1	13.8	3.3
PY10	10	49	20.5	21.2	16.8	4.3
PY12	12	55.6	22.8	24.4	19.8	4.2
PY16	16	61	22.8	25	27	5.1

PW

Y型减径三通

27) **Diff .Diam Union Y**





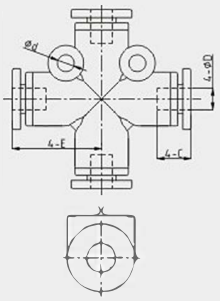
型号 MODEL	D1	D2	B	F	C1	C2	X1	X2	d
PW6-4	6	4	38.2	14.7	16.7	15.3	11.8	9.9	3.2
PW8-6	8	6	42.9	19.2	19.1	16.7	13.8	11.8	3.3
PW10-8	10	8	49	20.5	21.2	19.1	16.8	13.8	4.3
PW12-10	12	10	54.8	22	24.4	21.2	19.8	16.8	4.3

PZA

十字四通

28) **Cross**





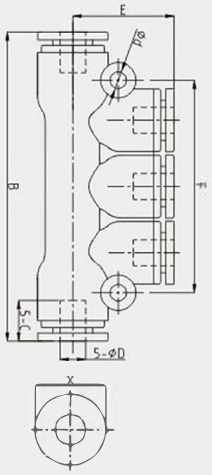
型号 MODEL	D	d	E	C	X
PZA04	4	3.3	17.5	15.3	9.9
PZA06	6	3.2	19.3	16.7	11.8
PZA08	8	3.3	22.8	19.1	13.8
PZA10	10	4.3	28.3	21.2	16.8
PY12	12	4.3	29.6	24.4	19.8

PK

五通

29) **Union Triple**





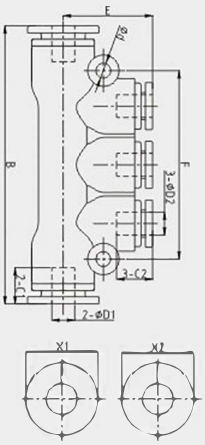
型号 MODEL	D	d	E	B	C	X	F
PK-4	4	3.2	19	57	15.3	9.9	36
PK-6	6	3.3	20.3	61	16.7	11.8	42
PK-8	8	3.3	24.3	81.6	19.1	13.8	48

PKG

减径五通

30) **Diff.Diam.Union Triple**





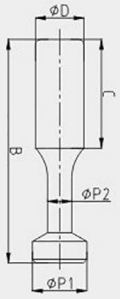
型号 MODEL	D1	D2	E	F	B	C1	C2	X1	X2	d
PKG6-4	6	4	19	36	57.6	16.7	15.3	11.8	9.9	3.2
PKG8-6	8	6	20.3	42	62.6	19.1	16.7	13.8	11.8	3.3
PKG10-8	10	8	24.3	48	77.3	21.2	19.1	16.8	13.8	4.3

PP

管塞

31) **Plug**





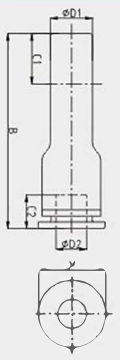
型号 MODEL	D	B	P1	P2	C
PP4	4	28	5	3	15
PP6	6	33	7	3	17
PP8	8	37	9	4	18
PP10	10	42	11	5	20.5
PP12	12	44	13	6	23

PGJ

减径直通插头

32) **Reducer**





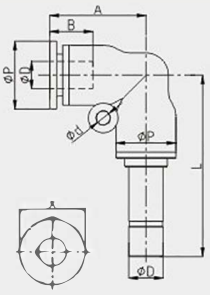
型号 MODEL	D1	D2	B	C1	C2	X
PGJ6-4	6	4	36.2	16.7	15.3	9.9
PGJ8-6	8	6	37.5	19.1	16.7	11.8
PGJ10-8	10	8	43	21.2	19.1	13.8
PGJ12-10	12	10	54.5	24.4	21.2	16.8

PLJ

插杆直角

33) **Socket Elbow**





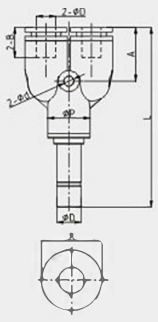
型号 MODEL	D	L	A	B	P	d	X
PLJ04	4	33	17.9	15.3	10.5	3.3	9.9
PLJ06	6	36.2	20.1	16.7	12.5	3.2	11.8
PLJ08	8	42.5	23.5	19.1	14	3.3	13.8
PLJ10	10	50.8	26.8	21.2	18	4.3	16.8
PLJ12	12	54.5	30.8	24.4	20.6	4.3	19.8
PLJ16	16	59.8	32.5	25	24	5.1	27

PYJ

Y型插杆三通

34) **Socket Union Y**





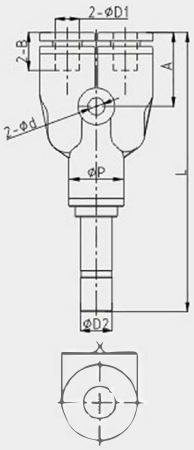
型号 MODEL	D	L	A	P	B	d	X
PYJ04	4	51.2	14.2	10.5	15.3	3.3	9.9
PYJ06	6	54.6	15	12.5	16.7	3.2	11.8
PYJ08	8	60.1	19.7	14	19.1	3.3	13.8
PYJ10	10	72.9	20.5	18	21.2	4.3	16.8
PYJ12	12	78.1	22.8	20.6	24.4	4.3	19.8

PWJ

Y型插杆异径三通

35) **Differ.Diam.Socket Union Y**





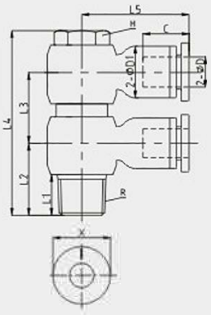
型号 MODEL	D1	D2	L	A	P	B	X
PGJ6-4	6	4	53.7	14.7	12.5	15.3	9.9
PGJ8-6	8	6	60.4	19.2	14	16.7	11.8
PGJ10-8	10	8	72.3	20.5	18	19.1	13.8
PGJ12-10	12	10	77	22	20.6	21.2	16.8

PHT-2

串联直角

36) **Double Universal Elbow**





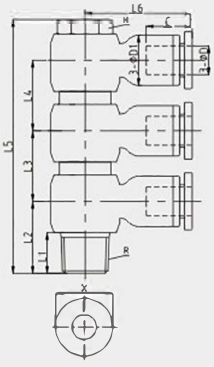
型号 MODEL	ΦD	R	L1	L2	L3	L4	L5	ΦD1	H
PTH04-01(2)	4	R1/8	7.5	14	15	38	23.5	11.5	12
PTH04-02(2)	4	R1/4	9.5	16.5	15	41.5	25.5	11.5	14
PTH06-01(2)	6	R1/8	7.5	14	15	38	23.5	13.5	12
PTH06-02(2)	6	R1/4	9.5	16.5	15	41.5	25.4	13.5	14
PTH06-03(2)	6	R3/8	10.5	18.5	15.7	49.5	29.5	13.5	19
PTH08-01(2)	8	R1/8	7.5	14.5	15	38	26.5	15	12
PTH08-02(2)	8	R1/4	9.5	17.5	15	41.5	29	15	14
PTH08-03(2)	8	R3/8	10.5	18.5	15.7	49.5	30	15	19
PTH08-04(2)	8	R1/2	13.5	25.5	21.5	60	32.5	15	24
PTH010-01(2)	10	R1/8	7.5	18	19	44	30.5	19	12
PTH010-02(2)	10	R1/4	9.5	18.5	21.5	44.8	32.5	19	14
PTH010-03(2)	10	R3/8	10.5	20.5	21.5	53	33	19	19
PTH010-04(2)	10	R1/2	13.5	25.5	21.5	60	36	19	24
PTH012-02(2)	12	R1/4	9.5	18.5	21.5	44.8	33.5	21.5	14
PTH012-03(2)	12	R3/8	10.5	22	21.5	53	35.5	21.5	19
PTH012-04(2)	12	R1/2	13.5	25.5	21.5	60	36.5	21.5	24

PHT-3

串联直角

37) **Double Universal Elbow**





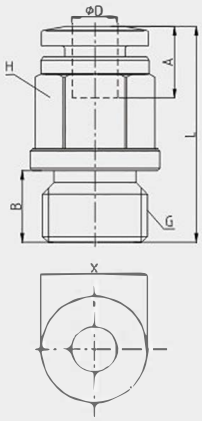
型号 MODEL	ΦD	R	L1	L2	L3	L4	L5	L6	ΦD1	H
PTH04-01(3)	4	R1/8	7.5	14	15	15	53	23.5	11.5	12
PTH04-02(3)	4	R1/4	9.5	16.5	15	15	53.5	25.5	11.5	14
PTH06-01(3)	6	R1/8	7.5	14	15	15	53	23.5	13.5	12
PTH06-02(3)	6	R1/4	9.5	16.5	15	15	56.5	25.4	13.5	14
PTH06-03(3)	6	R3/8	10.5	18.5	15.7	15.7	65.3	29.5	13.5	19
PTH08-01(3)	8	R1/8	7.5	14.5	15	15	53	26.5	15	12
PTH08-02(3)	8	R1/4	9.5	17.5	15	15	56.5	29	15	14
PTH08-03(3)	8	R3/8	10.5	18.5	15.7	15.7	65.3	30	15	19
PTH08-04(3)	8	R1/2	13.5	25.5	21.5	21.5	81.5	32.5	15	24
PTH010-01(3)	10	R1/8	7.5	18	19	19	63	30.5	19	12
PTH010-02(3)	10	R1/4	9.5	18.5	21.5	21.5	69.5	32.5	19	14
PTH010-03(3)	10	R3/8	10.5	20.5	21.5	21.5	78	33	19	19
PTH010-04(3)	10	R1/2	13.5	25.5	21.5	21.5	81.5	36	19	24
PTH012-02(3)	12	R1/4	9.5	18.5	21.5	21.5	69.5	33.5	21.5	14
PTH012-03(3)	12	R3/8	10.5	22	21.5	21.5	78	35.5	21.5	19
PTH012-04(3)	12	R1/2	13.5	25.5	21.5	21.5	81.5	36.5	21.5	24

PC-G

螺纹直通

38) **Straight**





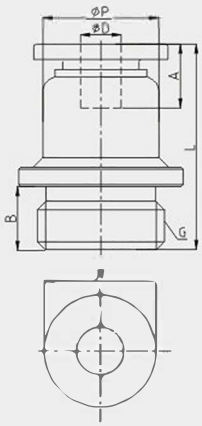
型号 MODEL	D	G	B	L	H	内六角	X	A
PC4-G01	4	G1/8	5.5	19.3	10	3	9.9	14.8
PC4-G02	4	G1/4	7	21	10	3	9.9	14.8
PC6-G01	6	G1/8	5.5	23	12	4	11.8	15.8
PC6-G02	6	G1/4	7	22	12	4	11.8	15.8
PC6-G03	6	G3/8	7	18.5	12	4	11.8	15.8
PC6-G04	6	G1/2	8.5	20.5	12	4	11.8	15.8
PC8-G01	8	G1/8	5.5	25	14	4	13.8	17.3
PC8-G02	8	G1/4	7	26.6	14	5	13.8	17.3
PC8-G03	8	G3/8	7	20.5	14	5	13.8	17.3
PC8-G04	8	G1/2	8.5	22	14	6	13.8	17.3
PC10-G01	10	G1/8	5.5	28.6	17	4	16.8	19.6
PC10-G02	10	G1/4	7	29.1	17	6	16.8	19.6
PC10-G03	10	G3/8	7	25.2	17	8	16.8	19.6
PC10-G04	10	G1/2	8.5	26.6	17	8	16.8	19.6
PC12-G01	12	G1/8	5.5	31.2	21	4	19.8	22.2
PC12-G02	12	G1/4	7	31.7	21	6	19.8	22.2
PC12-G03	12	G3/8	7	27.6	21	8	19.8	22.2
PC12-G04	12	G1/2	8.5	29.1	21	8	19.8	22.2
PC16-G03	16	G3/8	7	35.7	24	8	27	25
PC16-G04	16	G1/2	8.5	37.7	24	10	27	25

POC-G

圆螺纹直通

39) **Hex.Holed Straight**





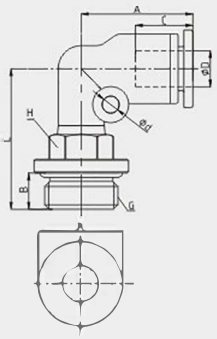
型号 MODEL	D	G	B	L	P	内六角	X	A
P04-G01	4	G1/8	5.5	19.3	10	3	9.9	14.8
P04-G02	4	G1/4	7	21	10	3	9.9	14.8
P06-G01	6	G1/8	5.5	23	12	4	11.8	15.8
P06-G02	6	G1/4	7	22	12	4	11.8	15.8
P06-G03	6	G3/8	7	18.5	12	4	11.8	15.8
P06-G04	6	G1/2	8.5	20.5	12	4	11.8	15.8
P08-G01	8	G1/8	5.5	25	14	4	13.8	17.3
P08-G02	8	G1/4	7	26.6	14	5	13.8	17.3
P08-G03	8	G3/8	7	20.5	14	5	13.8	17.3
P08-G04	8	G1/2	8.5	22	14	6	13.8	17.3
P010-G01	10	G1/8	5.5	28.6	17	4	16.8	19.6
P010-G02	10	G1/4	7	29.1	17	6	16.8	19.6
P010-G03	10	G3/8	7	25.2	17	8	16.8	19.6
P010-G04	10	G1/2	8.5	26.6	17	8	16.8	19.6
P012-G01	12	G1/8	5.5	31.2	21	4	19.8	22.2
P012-G02	12	G1/4	7	31.7	21	6	19.8	22.2
P012-G03	12	G3/8	7	27.6	21	8	19.8	22.2
P012-G04	12	G1/2	8.5	29.1	21	8	19.8	22.2
P016-G03	16	G3/8	7	35.7	24	8	27	25
P016-G04	16	G1/2	8.5	37.7	24	10	27	25

PL-G

L型螺纹二通

41) **Male Elbow L**





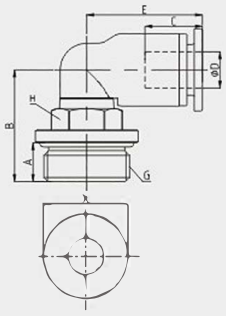
型号 MODEL	D	G	B	A	L	H	X	C	d
PL4-G01	4	G1/8	5.5	17.9	24.7	10	9.9	15.3	3.3
PL4-G02	4	G1/4	7	17.9	26.4	10	9.9	15.3	3.3
PL6-G01	6	G1/8	5.5	20	24.5	12	11.8	16.7	3.2
PL6-G02	6	G1/4	7	20	28	12	11.8	16.7	3.2
PL6-G03	6	G3/8	7	20	28	12	11.8	16.7	3.2
PL6-G04	6	G1/2	8.5	20	29.5	12	11.8	16.7	3.2
PL8-G01	8	G1/8	5.5	23.5	30	14	13.8	19.1	3.3
PL8-G02	8	G1/4	7	23.5	31	14	13.8	19.1	3.3
PL8-G03	8	G3/8	7	23.5	31.5	14	13.8	19.1	3.3
PL8-G04	8	G1/2	8.5	23.5	33	14	13.8	19.1	3.3
PL10-G01	10	G1/8	5.5	26.8	32.8	17	16.8	21.2	4.3
PL10-G02	10	G1/4	7	26.8	34.3	17	16.8	21.2	4.3
PL10-G03	10	G3/8	7	26.8	34.3	17	16.8	21.2	4.3
PL10-G04	10	G1/2	8.5	26.8	36.3	17	16.8	21.2	4.3
PL12-G01	12	G1/8	5.5	30.8	36.5	21	19.8	24.4	4.3
PL12-G02	12	G1/4	7	30.8	38.5	21	19.8	24.4	4.3
PL12-G03	12	G3/8	7	30.8	38.5	21	19.8	24.4	4.3
PL12-G04	12	G1/2	8.5	30.8	40	21	19.8	24.4	4.3
PL16-G03	16	G3/8	7	33	40.5	24	27	25	4.5
PL16-G04	16	G1/2	8.5	33	44	24	27	25	4.5

GPL-G

L型螺纹二通

42) **Male Elbow L**





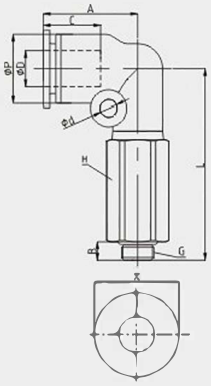
型号 MODEL	D	G	A	E	B	H	X	C
GPL4-G01	4	G1/8	5.5	17.9	20	10	9.9	15.3
GPL4-G02	4	G1/4	7	17.9	21.5	10	9.9	15.3
GPL6-G01	6	G1/8	5.5	20.5	24.8	10	11.8	16.7
GPL6-G02	6	G1/4	7	20.5	22	12	11.8	16.7
GPL6-G03	6	G3/8	7	20.5	22	12	11.8	16.7
GPL6-G04	6	G1/2	8.5	20.5	23.8	12	11.8	16.7
GPL8-G01	8	G1/8	5.5	23.3	25.5	14	13.8	19.1
GPL8-G02	8	G1/4	7	23.3	27.2	14	13.8	19.1
GPL8-G03	8	G3/8	7	23.3	23.2	14	13.8	19.1
GPL8-G04	8	G1/2	8.5	23.3	24.7	14	13.8	19.1
GPL10-G01	10	G1/8	5.5	27	28.4	17	16.8	21.2
GPL10-G02	10	G1/4	7	27	29.4	17	16.8	21.2
GPL10-G03	10	G3/8	7	27	29.7	17	16.8	21.2
GPL10-G04	10	G1/2	8.5	27	27.7	17	16.8	21.2
GPL12-G01	12	G1/8	5.5	29.3	29.6	17	19.8	24.4
GPL12-G02	12	G1/4	7	29.3	30.6	17	19.8	24.4
GPL12-G03	12	G3/8	7	29.3	30.9	17	19.8	24.4
GPL12-G04	12	G1/2	8.5	29.3	28.9	17	19.8	24.4
GPL16-G03	16	G3/8	7	33.5	31.7	20	27	25
GPL16-G04	16	G1/2	8.5	33.5	27.2	24	27	25

PLL-G

L 型加长螺纹二通

43) **Male Long Elbow**





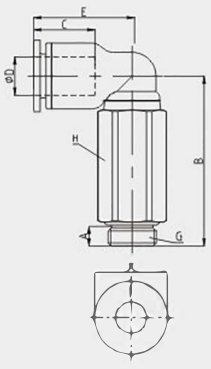
型号 MODEL	D	G	B	A	L	H	X	C	d
PLL4-G01	4	G1/8	5.5	17.9	37.2	10	9.9	15.3	3.3
PLL4-G02	4	G1/4	7	17.9	38.9	10	9.9	15.3	3.3
PLL6-G01	6	G1/8	5.5	20	39	12	11.8	16.7	3.2
PLL6-G02	6	G1/4	7	20	42.5	12	11.8	16.7	3.2
PLL6-G03	6	G3/8	7	20	42.5	12	11.8	16.7	3.2
PLL6-G04	6	G1/2	8.5	20	44	12	11.8	16.7	3.2
PLL8-G01	8	G1/8	5.5	23.5	46	14	13.8	19.1	3.3
PLL8-G02	8	G1/4	7	23.5	47	14	13.8	19.1	3.3
PLL8-G03	8	G3/8	7	23.5	47.5	14	13.8	19.1	3.3
PLL8-G04	8	G1/2	8.5	23.5	49	14	13.8	19.1	3.3
PLL10-G01	10	G1/8	5.5	26.8	52.8	17	16.8	21.2	4.3
PLL10-G02	10	G1/4	7	26.8	54.3	17	16.8	21.2	4.3
PLL10-G03	10	G3/8	7	26.8	54.3	17	16.8	21.2	4.3
PLL10-G04	10	G1/2	8.5	26.8	56.3	17	16.8	21.2	4.3
PLL12-G01	12	G1/8	5.5	30.8	60.1	21	19.8	24.4	4.3
PLL12-G02	12	G1/4	7	30.8	62.1	21	19.8	24.4	4.3
PLL12-G03	12	G3/8	7	30.8	62.1	21	19.8	24.4	4.3
PLL12-G04	12	G1/2	8.5	30.8	63.6	21	19.8	24.4	4.3
PLL16-G03	16	G3/8	7	33	72.5	24	27	25	4.5
PLL16-G04	16	G1/2	8.5	33	76	24	27	25	4.5

GPLL-G

L型螺纹二通

44) **Male Elbow L**





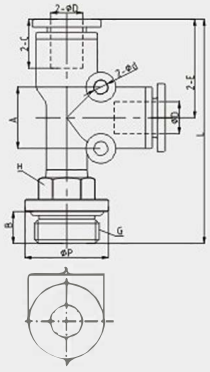
型号 MODEL	D	G	A	E	B	H	X	C
GPL4-G01	4	G1/8	5.5	17.9	32.5	10	9.9	15.3
GPL4-G02	4	G1/4	7	17.9	34	10	9.9	15.3
GPL6-G01	6	G1/8	5.5	20.5	39.3	10	11.8	16.7
GPL6-G02	6	G1/4	7	20.5	36.5	12	11.8	16.7
GPL6-G03	6	G3/8	7	20.5	36.5	12	11.8	16.7
GPL6-G04	6	G1/2	8.5	20.5	38.3	12	11.8	16.7
GPL8-G01	8	G1/8	5.5	23.3	41.5	14	13.8	19.1
GPL8-G02	8	G1/4	7	23.3	43.2	14	13.8	19.1
GPL8-G03	8	G3/8	7	23.3	39.2	14	13.8	19.1
GPL8-G04	8	G1/2	8.5	23.3	40.7	14	13.8	19.1
GPL10-G01	10	G1/8	5.5	27	48.4	17	16.8	21.2
GPL10-G02	10	G1/4	7	27	49.4	17	16.8	21.2
GPL10-G03	10	G3/8	7	27	49.7	17	16.8	21.2
GPL10-G04	10	G1/2	8.5	27	47.7	17	16.8	21.2
GPL12-G01	12	G1/8	5.5	29.3	53.2	17	19.8	24.4
GPL12-G02	12	G1/4	7	29.3	54.2	17	19.8	24.4
GPL12-G03	12	G3/8	7	29.3	54.5	17	19.8	24.4
GPL12-G04	12	G1/2	8.5	29.3	52.5	17	19.8	24.4
GPL16-G03	16	G3/8	7	33.5	59.3	20	27	25
GPL16-G04	16	G1/2	8.5	33.5	54.8	24	27	25

PD-G

T型分支螺纹三通

46) **Branch Tee**





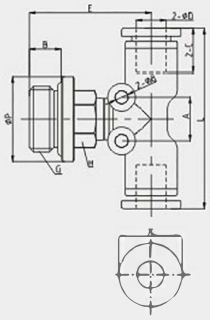
型号 MODEL	D	G	B	E	L	H	X	C	d
PD4-G01	4	G1/8	5.5	18	42.7	10	9.9	15.3	3.3
PD4-G02	4	G1/4	7	18	44.4	10	9.9	15.3	3.3
PD6-G01	6	G1/8	5.5	20.3	45	12	11.8	16.7	3.2
PD6-G02	6	G1/4	7	20.3	48.5	12	11.8	16.7	3.2
PD6-G03	6	G3/8	7	20.3	48.5	12	11.8	16.7	3.2
PD6-G04	6	G1/2		20.3	50	12	11.8	16.7	3.2
PD8-G01	8	G1/8	5.5	23.5	53.5	14	13.8	19.1	3.3
PD8-G02	8	G1/4	7	23.5	54.5	14	13.8	19.1	3.3
PD8-G03	8	G3/8	7	23.5	55	14	13.8	19.1	3.3
PD8-G04	8	G1/2	8.5	23.5	56.5	14	13.8	19.1	3.3
PD10-G01	10	G1/8	5.5	26.8	59.6	17	16.8	21.2	4.3
PD10-G02	10	G1/4	7	26.8	61.1	17	16.8	21.2	4.3
PD10-G03	10	G3/8	7	26.8	61.1	17	16.8	21.2	4.3
PD10-G04	10	G1/2	8.5	26.8	63.1	17	16.8	21.2	4.3
PD12-G01	12	G1/8	5.5	30.8	67.3	21	19.8	24.4	4.3
PD12-G02	12	G1/4	7	30.8	69.3	21	19.8	24.4	4.3
PD12-G03	12	G3/8	7	30.8	69.3	21	19.8	24.4	4.3
PD12-G04	12	G1/2	8.5	30.8	70.8	21	19.8	24.4	4.3
PD16-G03	16	G3/8	7	32.3	73	24	27	25	4.5
PD16-G04	16	G1/2	8.5	32.3	76.5	24	27	25	4.5

PB-G

T型螺纹三通

48) **Branch Tee**





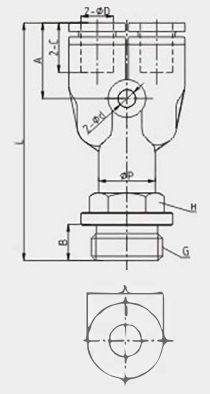
型号 MODEL	D	G	B	E	L	H	X	C	d	A
PB4-G01	4	G1/8	5.5	24.8	35.9	10	9.9	15.3	3.3	14
PB4-G02	4	G1/4	7	26.5	35.9	10	9.9	15.3	3.3	14
PB6-G01	6	G1/8	5.5	24.8	40.5	12	11.8	16.7	3.2	16
PB6-G02	6	G1/4	7	28.3	40.5	12	11.8	16.7	3.2	16
PB6-G03	6	G3/8	7	28.3	40.5	12	11.8	16.7	3.2	16
PB6-G04	6	G1/2	8.5	29.8	40.5	12	11.8	16.7	3.2	16
PB8-G01	8	G1/8	5.5	30	47	14	13.8	19.1	3.3	18
PB8-G02	8	G1/4	7	31	47	14	13.8	19.1	3.3	18
PB8-G03	8	G3/8	7	31.5	47	14	13.8	19.1	3.3	18
PB8-G04	8	G1/2	8.5	33	47	14	13.8	19.1	3.3	18
PB10-G01	10	G1/8	5.5	32.5	53.6	17	16.8	21.2	4.3	24
PB10-G02	10	G1/4	7	34.3	53.6	17	16.8	21.2	4.3	24
PB10-G03	10	G3/8	7	34.3	53.6	17	16.8	21.2	4.3	24
PB10-G04	10	G1/2	8.5	36.3	53.6	17	16.8	21.2	4.3	24
PB12-G01	12	G1/8	5.5	33.3	60	21	19.8	24.4	4.3	27
PB12-G02	12	G1/4	7	38.5	61.6	21	19.8	24.4	4.3	27
PB12-G03	12	G3/8	7	38.5	61.6	21	19.8	24.4	4.3	27
PB12-G04	12	G1/2	8.5	40	61.6	21	19.8	24.4	4.3	27
PB16-G03	16	G3/8	7	40.5	64.5	24	27	25	4.5	31
PB16-G04	16	G1/2	8.5	44.5	64.5	24	27	25	4.5	31

PX-G

Y型螺纹三通

49) **Branch Tee**





型号 MODEL	D	G	B	A	L	H	X	C	d
PX4-G01	4	G1/8	5.5	14.2	42.7	10	9.9	15.3	3.3
PX4-G02	4	G1/4	7	14.2	44.4	10	9.9	15.3	3.3
PX6-G01	6	G1/8	5.5	15	43	12	11.8	16.7	3.2
PX6-G02	6	G1/4	7	15	46.5	12	11.8	16.7	3.2
PX6-G03	6	G3/8	7	15	46.5	12	11.8	16.7	3.2
PX6-G04	6	G1/2	8.5	15	48	12	11.8	16.7	3.2
PX8-G01	8	G1/8	5.5	19.7	49.9	14	13.8	19.1	3.3
PX8-G02	8	G1/4	7	19.7	50.9	14	13.8	19.1	3.3
PX8-G03	8	G3/8	7	19.7	51.4	14	13.8	19.1	3.3
PX8-G04	8	G1/2	8.5	19.7	52.9	14	13.8	19.1	3.3
PX10-G01	10	G1/8	5.5	20.5	55	17	16.8	21.2	4.3
PX10-G02	10	G1/4	7	20.5	56.5	17	16.8	21.2	4.3
PX10-G03	10	G3/8	7	20.5	56.5	17	16.8	21.2	4.3
PX10-G04	10	G1/2	8.5	20.5	58.5	17	16.8	21.2	4.3
PX12-G01	12	G1/8	5.5	22.8	61.3	21	19.8	24.4	4.3
PX12-G02	12	G1/4	7	22.8	63.3	21	19.8	24.4	4.3
PX12-G03	12	G3/8	7	22.8	63.3	21	19.8	24.4	4.3
PX12-G04	12	G1/2	8.5	22.8	64.8	21	19.8	24.4	4.3
PX16-G03	16	G3/8	7	22.1	68.5	24	27	25	4.5
PX16-G04	16	G1/2	8.5	22.1	72.5	24	27	25	4.5

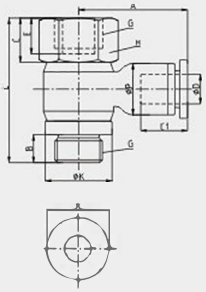
VILOP PNEUMATIC CO., LTD
Cylinder series/ Gas source series/ Valve series/ Other serises

PHF-G

串联接头

50) **Female Universal Elbow**





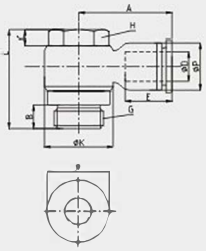
型号 MODEL	D	G	B	C	H	A	L	X	C1
PHF4-G01	4	G1/8	5.5	9	14	22.5	29.5	9.9	15.3
PHF4-G02	4	G1/4	7	12	17	25.9	34	9.9	15.3
PHF6-G01	6	G1/8	5.5	9	14	24.1	29.5	11.8	16.7
PHF6-G02	6	G1/4	7	12	17	26.2	34	11.8	16.7
PHF6-G03	6	G3/8	7	13	21	29.5	40.2	11.8	16.7
PHF6-G04	6	G1/2	8.5	14.4	24	32.5	45.5	11.8	16.7
PHF8-G01	8	G1/8	5.5	9	14	26.1	29.5	13.8	19.1
PHF8-G02	8	G1/4	7	12	17	29.2	34	13.8	19.1
PHF8-G03	8	G3/8	7	13	21	30	40.2	13.8	19.1
PHF8-G04	8	G1/2	8.5	14.4	24	33	45.5	13.8	19.1
PHF10-G02	10	G1/4	7	12	17	32	34	16.8	21.2
PHF10-G03	10	G3/8	7	13	21	33.5	40.2	16.8	21.2
PHF10-G04	10	G1/2	8.5	14.4	24	35.6	45.5	16.8	21.2
PHF12-G02	12	G1/4	7	12	17	35.2	34	19.8	24.4
PHF12-G03	12	G3/8	7	13	21	37.3	40.2	19.8	24.4
PHF12-G04	12	G1/2	8.5	14.4	24	38.8	45.5	19.8	24.4

PH-G

外六角接头

51) **Universal Elbow**





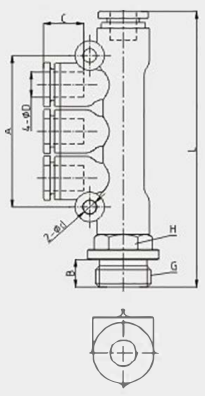
型号 MODEL	D	G	B	C	H	A	L	P	X	E
PH4-G01	4	G1/8	5.5	3	10	22.5	23.5	14.4	9.9	15.3
PH4-G02	4	G1/4	7	4	11	25.9	26	18.3	9.9	15.3
PH6-G01	6	G1/8	5.5	3	10	24.1	23.5	14.4	11.8	16.7
PH6-G02	6	G1/4	7	4	14	26.2	26	18.3	11.8	16.7
PH6-G03	6	G3/8	7	4.5	19	29.5	31.5	22	11.8	16.7
PH6-G04	6	G1/2	8.5	5	24	32.5	36.6	28	11.8	16.7
PH8-G01	8	G1/8	5.5	3	10	26.1	23.5	14.4	13.8	19.1
PH8-G02	8	G1/4	7	4	14	29.2	26	18.3	13.8	19.1
PH8-G03	8	G3/8	7	4.5	19	30	31.5	22	13.8	19.1
PH8-G04	8	G1/2	8.5	5	24	33	36.6	28	13.8	19.1
PH10-G02	10	G1/4	7	4	14	32	26	18.3	16.8	21.2
PH10-G03	10	G3/8	7	4.5	19	33.5	31.5	22	16.8	21.2
PH10-G04	10	G1/2	8.5	5	24	35.6	36.6	28	16.8	21.2
PH12-G02	12	G1/4	7	4	14	35.2	26	18.3	19.8	24.4
PH12-G03	12	G3/8	7	4.5	19	37.3	31.5	22	19.8	24.4
PH12-G04	12	G1/2	8.5	5	24	38.8	36.6	28	19.8	24.4

PKB-G

螺纹五通

52) **Branch Triple**





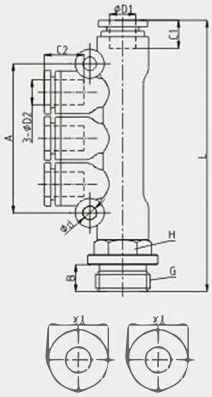
型号 MODEL	D	G	L	A	B	d	H	X	C
PKB4-G01	4	G1/8	64.2	36	5.5	3.3	12	9.9	15.3
PKB4-G02	4	G1/4	65.7	36	7	3.3	12	9.9	15.3
PKB6-G01	6	G1/8	68.6	42	5.5	3.2	14	11.8	16.7
PKB6-G02	6	G1/4	70.1	42	7	3.2	14	11.8	16.7
PKB6-G03	6	G3/8	71.6	42	7	3.2	14	11.8	16.7
PKB8-G01	8	G1/8	87.8	48	5.5	3.3	14	13.8	19.1
PKB8-G02	8	G1/4	89.3	48	7	3.3	17	13.8	19.1
PKB8-G03	8	G3/8	90.8	48	7	3.3	17	13.8	19.1

PKD-G

减径螺纹五通

53) **Reduced Branch Triple**





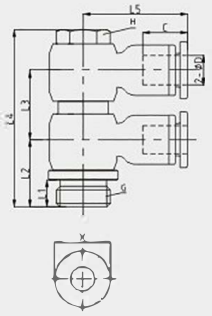
型号 MODEL	D1	D2	G	H	A	L	B	C1	C2	X1	X2
PKD6-4-G01	6	4	G1/8	14	36	64.2	5.5	16.7	15.3	11.8	9.9
PKD8-4-G02	8	4	G1/4	17	42	69.9	7	19.1	15.3	13.8	9.9
PKD8-6-G02	8	6	G3/8	17	42	71.4	7	19.1	16.7	13.8	11.8
PKD10-8-G03	10	8	G1/2	20	48	91.1	7	21.2	19.1	16.8	13.8

PHT-2-G

串联直角

54) **Double Universal Elbow**





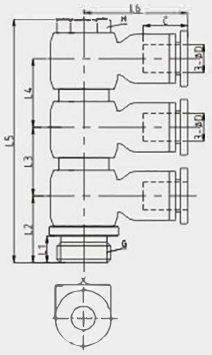
型号 MODEL	ΦD	G	L1	L2	L3	L4	L5	ΦD1	H
PTH04-G01(2)	4	G1/8	5.5	14	15	38	23.5	11.5	12
PTH04-G02(2)	4	G1/4	7.5	17.3	15	41.5	25.5	11.5	14
PTH06-G01(2)	6	G1/8	5.5	14	15	38	23.5	13.5	12
PTH06-G02(2)	6	G1/4	7.5	17.3	15	41.5	25.4	13.5	14
PTH06-G03(2)	6	G3/8	7.5	19	15.7	49.5	29.5	13.5	19
PTH08-G01(2)	8	G1/8	5.5	15	15	38	26.5	15	12
PTH08-G02(2)	8	G1/4	7.5	18.3	15	41.5	29	15	14
PTH08-G03(2)	8	G3/8	7.5	19	15.7	49.5	30	15	19
PTH08-G04(2)	8	G1/2	10	24.5	21.5	57	32.5	15	24
PTH010-G01(2)	10	G1/8	5.5	16.8	19	42.5	30.5	19	12
PTH010-G02(2)	10	G1/4	7.5	20	21.5	44.8	32.5	19	14
PTH010-G03(2)	10	G3/8	7.5	21	21.5	53	33	19	19
PTH010-G04(2)	10	G1/2	10	25	21.5	60	36	19	24
PTH012-G02(2)	12	G1/4	7.5	21.5	21.5	44.8	33.5	21.5	14
PTH012-G03(2)	12	G3/8	7.5	22	21.5	53	35.5	21.5	19
PTH012-G04(2)	12	G1/2	10	26	21.5	60.5	36.5	21.5	24

PHT-3-G

串联直角

55) **Double Universal Elbow**





型号 MODEL	ΦD	G	L1	L2	L3	L4	L5	L6	ΦD1	H
PTH04-G01(3)	4	G1/8	5.5	14	15	15	53	23.5	11.5	12
PTH04-G02(3)	4	G1/4	7.5	17.3	15	15	56.3	25.5	11.5	14
PTH06-G01(3)	6	G1/8	5.5	14	15	15	53	23.5	13.5	12
PTH06-G02(3)	6	G1/4	7.5	17.3	15	15	56.3	25.4	13.5	14
PTH06-G03(3)	6	G3/8	7.5	19	15.7	15.7	64.4	29.5	13.5	19
PTH08-G01(3)	8	G1/8	5.5	15	15	15	53	26.5	15	12
PTH08-G02(3)	8	G1/4	7.5	18.3	15	15	56.3	29	15	14
PTH08-G03(3)	8	G3/8	7.5	19	15.7	15.7	64.4	30	15	19
PTH08-G04(3)	8	G1/2	10	24.5	21.5	21.5	82	32.5	15	24
PTH010-G01(3)	10	G1/8	5.5	16.8	19	19	61.5	30.3	19	12
PTH010-G02(3)	10	G1/4	7.5	20	21.5	21.5	69.5	32.5	19	14
PTH010-G03(3)	10	G3/8	7.5	21	21.5	21.2	75.4	33	19	19
PTH010-G04(3)	10	G1/2	10	25	21.5	21.5	82	36	19	24
PTH012-G02(3)	12	G1/4	7.5	21.5	21.5	21.5	69.3	33.5	21.5	14
PTH012-G03(3)	12	G3/8	7.5	22	21.5	21.2	75.4	35.5	21.5	19
PTH012-G04(3)	12	G1/2	10	26	21.5	21.5	82	36.5	21.5	24

Mini Tube Fittings
Pneumatic Fittings

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

特点 / Characteristics

1.气动用超小型快插管接头。
2.体积为标准型管接头的40%，成功实现小型化。
3.拆卸管子用的按钮为椭圆形，虽然是超小型，拆卸仍很方便。

1.Pneumatic mini tube fitting
2.40% Size of standard tube fitting achieved miniaturization succefully
3.Oval sleeve, disassembling conveniently though miniaturization

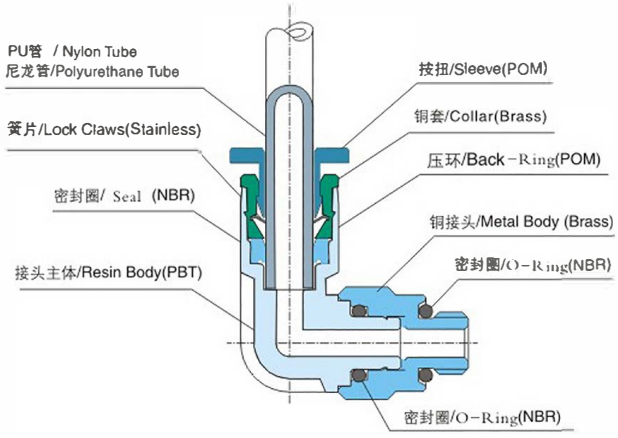




技术参数 / Specification

使用流体/ Fluid	空气/ Air
使用压力范围/ Pressure Range	0~0.8MPa
负压/ Negative Pressure	-750mmHg(10Torr)
使用温度范围/ Temerature Range	0~60℃

结构图 / Structure Chart



注意 Caution

在使用前必读懂样本共同注意事项和管接头使用注意事项.
在连接管接头和气管时，请把气管插到底。
如没有连接好，则可能发生漏气或气管脱落现象。
Please pay attention to the caution and warming before usage.
Please insert the tube to the bottom when connecting the fittings and tubes.
Air leaking or tube falling may happened if not connect well.

警告 Warming

如使用流体为水，请检查确认与产品规格所示条件是否吻合后再使用。如不然，则可能发生管接头的破损，漏气及管脱落现象。
If use waterfuid, Please check and confirm to comply with specitication otherwise, breakage, air leakage, falling would happen.

型号命名 / Product Code System

A P C 3 - 01 C
① ② ③ ④ ⑤

① 系列号/ Series : 无 : 黑色系列，A : 灰色系列.nothing: indicates black series, A: grey series.
② 型号/ Type
③ 气管外径/ Tube outer diameter

	公制管/ Metric Size		
代号/Code	3	4	6
气管外径 Tube outer diameter mm	Φ3	Φ4	Φ6

④ 螺纹型式及尺寸/Thread Type and size

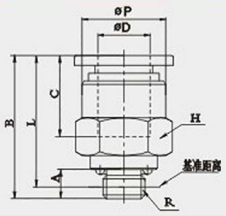
	公制螺纹			锥管螺纹	
代号/Code	M3	M5	M6	01	02
螺纹/Thread	M3X0.5	M5X0.8	M6X1	R1/8	R1/4

⑤ 迷你管接头/Mini Tube Fitting

PC-C

56) 螺纹直通
Straight



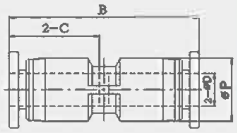


型号 MODEL	ΦD	R	A	B	L	ΦP	C	H
PC4-M3C	4	M3X0.5	3.0	16.4	15.6	8.0	11	8.0
PC4-M5C		M5X0.8	3.5	16.9	15.6	8.0	11	8.0
PC4-M6C		M6X1	4.5	18.2	15.8	8.0	11	9.0
PC6-M5C		M5X0.8	3.5	17.8	16.1	10.0	12.5	10.0
PC6-M6C	6	M6X1	3.9	18.7	16.3	10.0	12.5	10.0
PC6-01C		R1/8	8.0	19.1	16.8	10.0	12.5	10.0

PU-C

57) 直通
Union Straight



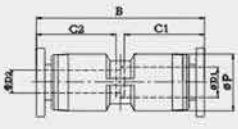


型号 MODEL	ΦD	B	ΦP	C
PU4C	4	25.2	8.1	12
PU6C	6	26.3	10.7	12.4

PG-C

58) 减径直通
Diff.Diam.Union Straight



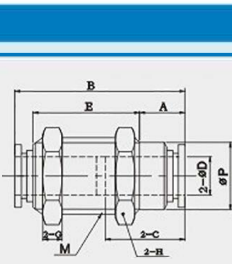


型号 MODEL	ΦD1	B	ΦP	C1	ΦD2	C2
PG6-4C	6	26.1	10.7	12.4	4	12

PM-C

59) 隔板直通
Bulkhead Union



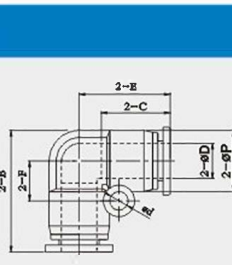


型号 MODEL	ΦD	M	B	ΦP	C	A	E	对边H	G
PM4C	4	M10X1	25.2	8.0	12.0	7.0	13.5	12.0	3.0
PM6C	6	M12X1	26.9	10.0	12.6	7.1	15.2	14.0	4.0

PV-C

60) L型二通
Union Elbow





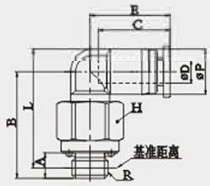
型号 MODEL	ΦD	B	ΦP	C	E	Φd	F
PV4C	4	18.3	8.1	12.0	14.2	3.2	6.0
PV6C	6	21.8	10.7	12.4	16.4	3.2	7.0

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

PL-C

61) L型螺纹二通
Male Elbow



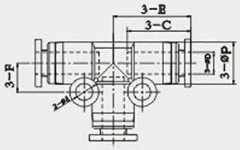


型号 MODEL	ΦD	R	A	B	L	ΦP	C	E	对边H
PL4-M3C	4	M3X0.5	3.0	13.6	16.6	8.1	12	16	8.0
PL4-M5C		M5X0.8	3.5	15.6	17.4	8.1	12	16	8.0
PL4-M6C		M6X1	4.5	16.6	17.6	8.1	12	16	9.0
PL6-M5C	6	M5X0.8	3.5	15.3	20.0	10.7	12.4	16.7	8.0
PL6-M6C		M6X1	4.5	17.3	20.1	10.7	12.4	16.7	9.0
PL6-01C		R1/8	8.0	18.3	20.2	10.7	12.4	16.7	10.0

PE-C

62) T型三通
Union Tee



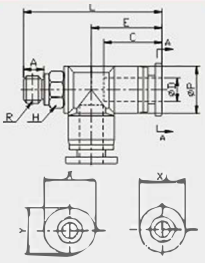


型号 MODEL	ΦD	ΦP	C	E	Φd	F
PE4C	4	8.1	12.0	14.2	3.2	6.0
PE6C	6	10.7	12.4	16.4	3.2	7.0

EP-D

63) T型分支螺纹三通
Branch tee



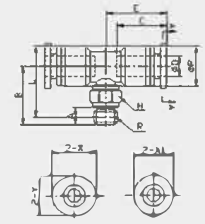


型号 MODEL	ΦD	R	A	ΦP	E	C	H	L
EPD4-M3C	4	M3X0.5	3	8.1	14.7	12	8	31
EPD4-M5C	4	M5X0.8	3.5	8.1	14.7	12	8	31.5
EPD4-M6C	4	M6X1	4.5	8.1	14.7	12	9	32.5
EPD6-M5C	6	M5X0.8	3.5	10.7	16.4	12.4	8	34.5
EPD6-M6C	6	M6X1	4.5	10.7	16.4	12.4	9	35.5
EPD6-01C	6	R1/8	8	10.7	16.4	12.4	10	37.3

EP-B

64) T型螺纹三通
Male tee





型号 MODEL	ΦD	R	A	ΦP	E	C	H	L	B
EPB04-M3C	4	M3X0.5	3	8.1	14.7	12	8	17.8	15.3
EPB04-M5C	4	M5X0.8	3.5	8.1	14.7	12	8	18.3	15.8
EPB04-M6C	4	M6X1	4.5	8.1	14.7	12	9	18.8	16.8
EPB06-M5C	6	M5X0.8	3.5	10.7	16.4	12.4	8	20.9	17
EPB06-M6C	6	M6X1	4.5	10.7	16.4	12.4	9	21.4	18
EPB06-01C	6	R1/8	8	10.7	16.4	12.4	10	21.2	19.8

ISO9001:2008 CE

Speed Controllers
Pneumatic Fittings

SL系列节流阀为单向节流结构，用来调节流过的空气流量以改变气缸或其它执行元件的运动速度，采用快速连接设计，拆卸方便。

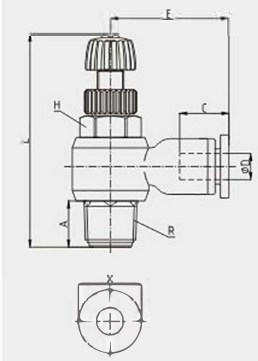
SL series , designed with one-way throttle structure, are used to adjust the motion speed of cylinder or other actors. By using quick connection design, they are fast fordisassembly.

SL-R

公制直接安装L型节流阀

65) **Elbow**





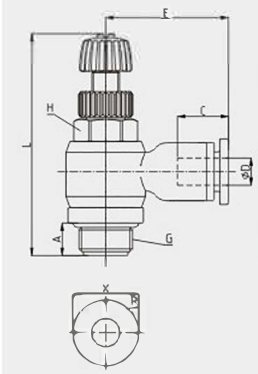
型号/ MODEL		ΦD	R	A	H	E	C	X	L	
限出型/Control Out	限入型/Control In								min	max
SL4-M5	SL4-M5B	4	M5	3.5	8	20	14.9	9.9	29	31.9
SL4-01	SL4-01B	4	R1/8	7.5	10	22.3	14.9	9.9	37.5	44.3
SL4-02	SL4-02B	4	R1/4	11.2	14	24	14.9	9.9	43.7	51.3
SL6-M5	SL6-M5B	6	M5	3.5	8	21.7	15.4	11.8	29	31.9
SL6-01	SL6-01B	6	R1/8	7.5	10	22.9	15.4	11.8	37.5	44.3
SL6-02	SL6-02B	6	R1/4	11.2	14	24.9	15.4	11.8	43.7	51.3
SL6-03	SL6-03B	6	R3/8	12.3	19	26.6	15.4	11.8	48.4	55.3
SL6-04	SL6-04B	6	R1/2	15	24	29.6	15.4	11.8	52.7	59.5
SL8-01	SL8-01B	8	R1/8	7.5	10	25.3	17.3	13.8	37.5	44.3
SL8-02	SL8-02B	8	R1/4	11.2	14	28.4	18.3	13.8	43.7	51.3
SL8-03	SL8-03B	8	R3/8	12.3	19	29.3	18.3	13.8	48.4	55.3
SL8-04	SL8-04B	8	R1/2	15	24	32.3	18.3	13.8	52.7	59.5
SL10-02	SL10-02B	10	R1/4	11.2	14	32	20.5	16.8	43.7	51.3
SL10-03	SL10-03B	10	R3/8	12.3	19	32.5	20.5	16.8	48.4	55.3
SL10-04	SL10-04B	10	R1/2	15	24	35.5	20.5	16.8	52.7	59.5
SL12-02	SL12-02B	12	R1/4	11.2	14	32	21.6	19.8	43.7	51.3
SL12-03	SL12-03B	12	R3/8	12.3	19	35.3	21.8	19.8	48.4	55.3
SL12-04	SL12-04B	12	R1/2	15	24	36.3	22.3	19.8	52.7	59.5

SL-G

公制直接安装L型节流阀

66) **Elbow**





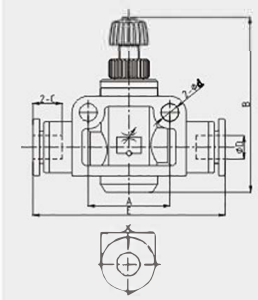
型号/ MODEL		ΦD	G	A	H	E	C	X	L	
限出型/Control Out	限入型/Control In								min	max
SL4-G01	SL4-G01B	4	G1/8	6.0	10	22.3	14.9	9.9	37.5	44.3
SL4-G02	SL4-G02B	4	G1/4	8.3	14	24	14.9	9.9	43.7	51.3
SL6-G01	SL6-G01B	6	G1/8	6.0	10	22.9	15.4	11.8	37.5	44.3
SL6-G02	SL6-G02B	6	G1/4	8.3	14	24.9	15.4	11.8	43.7	51.3
SL6-G03	SL6-G03B	6	G3/8	9.5	19	26.6	15.4	11.8	48.4	55.3
SL6-G04	SL6-G04B	6	G1/2	13	24	29.6	15.4	11.8	52.7	59.5
SL8-G01	SL8-G01B	8	G1/8	6.0	10	25.3	17.3	13.8	37.5	44.3
SL8-G02	SL8-G02B	8	G1/4	8.3	14	28.4	18.3	13.8	43.7	51.3
SL8-G03	SL8-G03B	8	G3/8	9.5	19	29.3	18.3	13.8	48.4	55.3
SL8-G04	SL8-G04B	8	G1/2	13	24	32.3	18.3	13.8	52.7	59.5
SL10-G02	SL10-G02B	10	G1/4	8.3	14	32	20.5	16.8	43.7	51.3
SL10-G03	SL10-G03B	10	G3/8	9.5	19	32.5	20.5	16.8	48.4	55.3
SL10-G04	SL10-G04B	10	G1/2	13	24	35.5	20.5	16.8	52.7	59.5
SL12-G02	SL12-G02B	12	G1/4	8.3	14	32	21.6	19.8	43.7	51.3
SL12-G03	SL12-G03B	12	G3/8	9.5	19	35.3	21.8	19.8	48.4	55.3
SL12-G04	SL12-G04B	12	G1/2	13	24	36.3	22.3	19.8	52.7	59.5

SA

公制管道型节流阀

67) **Union**





型号/ MODEL	ΦD	Φd	A	B		E	C	X
				min	max			
SA4	4	3.2	14	28	31	39.5	14.4	9.9
SA6	6	4.3	20	40.7	47.5	47.1	15.5	11.8
SA8	8	4.3	22	44.1	51.8	52	16.8	13.8
SA10	10	4.3	26	47.7	55.3	62.3	19.5	16.8
SA12	12	4.3	32	52	58	73.6	22.3	19.8

ISO9001:2008 CE

Hand Valves
Pneumatic Fittings

■ 特点 / Characteristics

1.手阀用于开关压缩空气。
2.二通阀及三通阀可供选择。
3.三通阀关闭时排出残余气体。
4.多种规格和安装型式使用方便。

1.The hand valves are designed to turn on and off the airflow.
2.Two-way and three-way valves are available for all models.
3.It exhausts the residue air after the close of three-way control valve.
4.Multiple patterns with easy use.

■ 技术参数 / Specification

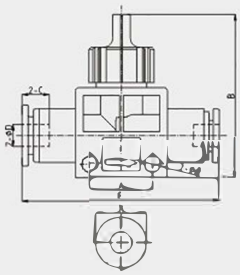
阀种类/ Valve type	二通，三通/ Two-way, three-way
使用流体/ Fluid	空气/ Air-Vacuum
最高使用压力/ Pressure range	0-1.0 MPa
真空使用压力/ Negative pressure	-100Kpa(10 Torr)
保证耐压力/ Max pressure	1.5 Mpa
适用环境及流体温度/ Temperature range	0~60℃
适用软管/ Tube Material	尼龙/Nylon (PA) 聚氨酯/ Polyurethane (PU)

HVFF

68)

两端插管型
Union Straight





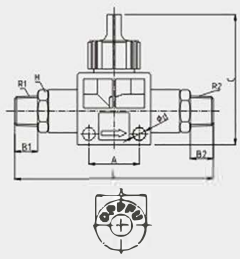
型号/ MODEL 二通Two-way	三通Three-way	ΦD	Φd	A	B	E	X	C
HVFF06-06B	HVFF06-06	6	4.2	16.5	42.6	51.1	11.8	17.9
HVFF08-06B	HVFF08-06	8	4.2	16.5	42.6	51.6	13.8	18.8
HVFF08-08B	HVFF08-08	8	4.2	16.5	42.6	52	13.8	18.8
HVFF10-10B	HVFF10-10	10	4.2	21.5	47	63.3	16.8	21
HVFF12-10B	HVFF12-10	12	4.2	21.5	47	63.7	19.8	22.6
HVFF12-12B	HVFF12-12	12	4.2	21.5	47	64.1	19.8	22.6

HVSS

69)

两端螺纹型
Thread-Thread Straight





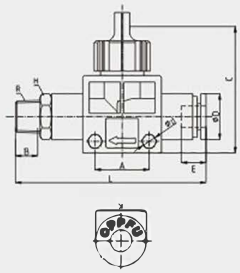
型号/ MODEL 二通Two-way	三通Three-way	L	A	B1	B2	C	Φd	R1	R2	H1	H2
HVSS01-01B	HVSS01-01	65	16.5	7.5	7.5	42.6	4.2	R1/8	R1/8	14	12
HVSS02-01B	HVSS02-01	66.5	16.5	9.5	7.5	42.6	4.2	R1/4	R1/8	14	14
HVSS02-02B	HVSS02-02	68	16.5	9.5	9.5	42.6	4.2	R1/4	R1/4	17	17
HVSS03-02B	HVSS03-02	82.5	21.5	10.5	9.5	47	4.2	R3/8	R1/4	17	17
HVSS03-03B	HVSS03-03	83.5	21.5	10.5	10.5	47	4.2	R3/8	R3/8	17	20
HVSS04-03B	HVSS04-03	87.5	21.5	13.5	9.5	47	4.2	R1/2	R3/8	21	21
HVSS04-04B	HVSS04-04	90.5	21.5	13.5	13.5	47	4.2	R1/2	R1/2	21	21

HVSF

70)

空气由插管端流向螺纹端
Thread-Fitting Straight



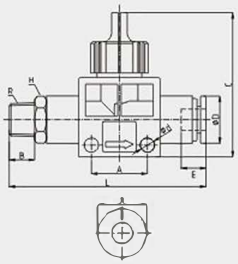


型号/ MODEL 二通Two-way	三通Three-way	L	A	B	C	ΦD	Φd	R	H	X	Y	E
HVSF01-06B	HVSF01-06	58.1	16.5	7.5	42.6	6	4.2	R1/8	12	11.8	12.5	18.2
HVSF02-06B	HVSF02-06	60.6	16.5	9.5	42.6	6	4.2	R1/4	14	11.8	12.5	18.2
HVSF03-06B	HVSF03-06	62.1	16.5	10.5	42.6	6	4.2	R3/8	17	11.8	12.5	18.2
HVSF01-08B	HVSF01-08	59	16.5	7.5	42.6	8	4.2	R1/8	14	13.8	13.9	18.7
HVSF02-08B	HVSF02-08	61	16.5	9.5	42.6	8	4.2	R1/4	14	13.8	13.9	18.7
HVSF03-08B	HVSF03-08	62.5	16.5	10.5	42.6	8	4.2	R3/8	17	13.8	13.9	18.7
HVSF02-10B	HVSF02-10	72.4	21.5	9.5	47	10	4.2	R1/4	17	16.8	17	21.2
HVSF03-10B	HVSF03-10	73.4	21.5	10.5	47	10	4.2	R3/8	17	16.8	17	21.2
HVSF04-10B	HVSF04-10	76.9	21.5	13.5	47	10	4.2	R1/2	21	16.8	17	21.2
HVSF02-12B	HVSF02-12	73.3	21.5	9.5	47	12	4.2	R1/4	21	19.8	20.5	22.6
HVSF03-12B	HVSF03-12	74.3	21.5	10.5	47	12	4.2	R3/8	21	19.8	20.5	22.6
HVSF04-12B	HVSF04-12	77.3	21.5	13.5	47	12	4.2	R1/2	21	19.8	20.5	22.6

HVFS

71) 空气由螺纹端流向插管端
Fitting-Thread Straight



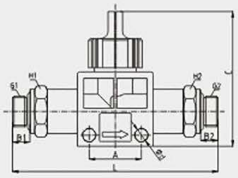


型号/ MODEL 二通Two-way	三通Three-way	L	A	B	C	ΦD	Φd	R	H	X	E
HVFS06-01B	HVFS06-01	58.1	16.5	7.5	42.6	6	4.2	R1/8	12	11.8	18.2
HVFS06-02B	HVFS06-02	60.6	16.5	9.5	42.6	6	4.2	R1/4	14	11.8	18.2
HVFS06-03B	HVFS06-03	62.1	16.5	10.5	42.6	6	4.2	R3/8	17	11.8	18.2
HVFS08-01B	HVFS08-01	59	16.5	7.5	42.6	8	4.2	R1/8	14	13.8	18.7
HVFS08-02B	HVFS08-02	61	16.5	9.5	42.6	8	4.2	R1/4	14	13.8	18.7
HVFS08-03B	HVFS08-03	62.5	16.5	10.5	42.6	8	4.2	R3/8	17	13.8	18.7
HVFS10-02B	HVFS10-02	72.4	21.5	9.5	47	10	4.2	R1/4	17	16.8	21.2
HVFS10-03B	HVFS10-03	73.4	21.5	10.5	47	10	4.2	R3/8	17	16.8	21.2
HVFS10-04B	HVFS10-04	76.9	21.5	13.5	47	10	4.2	R1/2	21	16.8	21.2
HVFS12-02B	HVFS12-02	73.3	21.5	9.5	47	12	4.2	R1/4	21	19.8	22.6
HVFS12-03B	HVFS12-03	74.3	21.5	10.5	47	12	4.2	R3/8	21	19.8	22.6
HVFS12-04B	HVFS12-04	77.3	21.5	13.5	47	12	4.2	R1/2	21	19.8	22.6

HVSS

72) 两端螺纹型
Thread-Thread Straight



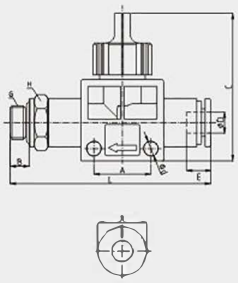


型号/ MODEL 二通Two-way	三通Three-way	L	A	B1	B2	C	Φd	G1	G2	H1	H2
HVSS G01-G01B	HVSS G01-G01	65	16.5	5.5	5.5	42.6	4.2	G1/8	G1/8	14	14
HVSS G02-G01B	HVSS G02-G01	66.5	16.5	6.5	5.5	42.6	4.2	G1/4	G1/8	17	14
HVSS G02-G02B	HVSS G02-G02	68	16.5	6.5	6.5	42.6	4.2	G1/4	G1/4	17	17
HVSS G03-G02B	HVSS G03-G02	80	21.5	7.5	6.5	47	4.2	G3/8	G1/4	20	17
HVSS G03-G03B	HVSS G03-G03	81.5	21.5	7.5	7.5	47	4.2	G3/8	G3/8	20	20
HVSS G04-G03B	HVSS G04-G03	83.2	21.5	9.5	7.5	47	4.2	G1/2	G3/8	24	21
HVSS G04-G04B	HVSS G04-G04	86.7	21.5	9.5	9.5	47	4.2	G1/2	G1/2	24	24

HVSF

73) 空气由插管端流向螺纹端
Thread-Fitting Straight



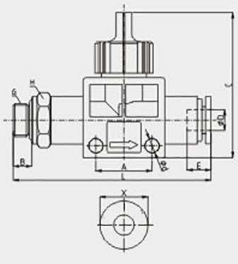


型号/ MODEL 二通Two-way	三通Three-way	L	A	B	C	ΦD	Φd	G	H	X	E
HVSF G01-06B	HVSF G01-06	58.1	16.5	5.5	42.6	6	4.2	G1/8	14	11.8	18.2
HVSF G02-06B	HVSF G02-06	59.6	16.5	6.5	42.6	6	4.2	G1/4	14	11.8	18.2
HVSF G03-06B	HVSF G03-06	61.1	16.5	7.5	42.6	6	4.2	G3/8	14	11.8	18.2
HVSF G01-08B	HVSF G01-08	58.5	16.5	5.5	42.6	8	4.2	G1/8	14	13.8	18.7
HVSF G02-08B	HVSF G02-08	60	16.5	6.5	42.6	8	4.2	G1/4	17	13.8	18.7
HVSF G03-08B	HVSF G03-08	61.5	16.5	7.5	42.6	8	4.2	G3/8	17	13.8	18.7
HVSF G02-10B	HVSF G02-10	70.9	21.5	6.5	47	10	4.2	G1/4	17	16.8	21.2
HVSF G03-10B	HVSF G03-10	72.4	21.5	7.5	47	10	4.2	G3/8	20	16.8	21.2
HVSF G04-10B	HVSF G04-10	75.9	21.5	9.5	47	10	4.2	G1/2	19	16.8	21.2
HVSF G02-12B	HVSF G02-12	70.9	21.5	6.5	47	12	4.2	G1/4	21	19.8	22.6
HVSF G03-12B	HVSF G03-12	71.9	21.5	7.5	47	12	4.2	G3/8	21	19.8	22.6
HVSF G04-12B	HVSF G04-12	75.4	21.5	9.5	47	12	4.2	G1/2	24	19.8	22.6

HVFS

74) 空气由螺纹端流向插管端
Fitting-Thread Straight





型号/ MODEL 二通Two-way	三通Three-way	L	A	B	C	ΦD	Φd	R	H	X	E
HVFS06-G01B	HVFS06-G01	58.1	16.5	5.5	42.6	6	4.2	G1/8	14	11.8	18.2
HVFS06-G02B	HVFS06-G02	59.6	16.5	6.5	42.6	6	4.2	G1/4	14	11.8	18.2
HVFS06-G03B	HVFS06-G03	61.1	16.5	7.5	42.6	6	4.2	G3/8	14	11.8	18.2
HVFS08-G01B	HVFS08-G01	58.5	16.5	5.5	42.6	8	4.2	G1/8	14	13.8	18.7
HVFS08-G02B	HVFS08-G02	60	16.5	6.5	42.6	8	4.2	G1/4	17	13.8	18.7
HVFS08-G03B	HVFS08-G03	61.5	16.5	7.5	42.6	8	4.2	G3/8	17	13.8	18.7
HVFS10-G02B	HVFS10-G02	70.9	21.5	6.5	47	10	4.2	G1/4	17	16.8	21.2
HVFS10-G03B	HVFS10-G03	72.4	21.5	7.5	47	10	4.2	G3/8	20	16.8	21.2
HVFS10-G04B	HVFS10-G04	75.9	21.5	9.5	47	10	4.2	G1/2	19	16.8	21.2
HVFS12-G02B	HVFS12-G02	70.9	21.5	6.5	47	12	4.2	G1/4	21	19.8	22.6
HVFS12-G03B	HVFS12-G03	71.9	21.5	7.5	47	12	4.2	G3/8	21	19.8	22.6
HVFS12-G04B	HVFS12-G04	75.4	21.5	9.5	47	12	4.2	G1/2	24	19.8	22.6

Check Valve
Pneumatic Fittings

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

用途 / Application

用于流体只需要往一个方向流动的地方，用于出口处需要维持一定压力不变的地方，在保持真空，低压的配管中也能使用。

For fluids that only need to flow in one direction.It is necessary to maintain a constant pressure at the outlet.It can also be used to maintain vacuum and low pressure piping.

技术参数 / Specification

使用流体/ Fluid	空气/ Air
使用压力范围/ Pressure Range	0~0.9MPa
负压/ Negative Pressure	-100KPa(10Torr)
使用温度范围/ Temerature Range	0~60℃
适用软管/ Applicable Tube	尼龙及PU / Nylon(PA) Polyurethane (PU)

型号命名 / Product Code System

P C V C 8 - 01 A
① ② ③ ④

① 型号/ Type

② 气管外径/ Tube outer diameter

	公制管/ Metric Size				
代号/Code	4	6	8	10	12
气管外径 Tube outer diameter mm	Φ4	Φ6	Φ8	Φ10	Φ12

③ 螺纹型式及尺寸/Thread Type and size

	公制/ Metric Size					
代号/Code	M5	M6	01	02	03	04
螺纹/Thread	M5×0.8	M6×1	R1/8	R1/4	R3/8	R1/2

④ 控制方法/Control method

A:外螺纹一侧输入
B:外螺纹一侧输出



注意 Caution

在使用前必读此懂样本管接头使用注意事项。在连接单向阀时，应检查确认单向阀的流动方向后再使用，如反方向连接，会造成空气不流动。

Before using, you must read the sample notes for use. When connecting the check valve, check the direction of check valve and use it again, such as reverse connection.The air is not flowing.

警告 Warning

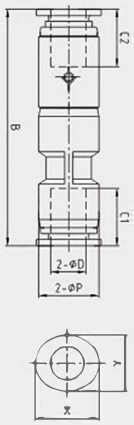
如切换动作的频率较高，阀体可能发热，存在烫伤的危险.

If the frequency of switching is high, the body may be hot and there is a risk of scalding.

PCVU

75) 直通
Union Straight



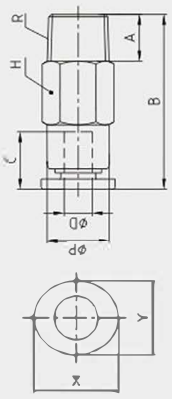


型号 MODEL	ΦD	ΦP	C1	C2	B	X	Y
PCVU04	4	11	15.4	14.9	50.8	11.9	10.5
PCVU06	6	13	15.6	16	55.5	13.9	12.5
PCVU08	8	14.8	18.3	18.2	58.5	15.9	13.9
PCVU10	10	24.8	20.3	20.3	73.3	19.5	17
PCVU12	12	24.8	22.7	22.7	78.7	23	20.5

PCVC

76) 直通
Straight



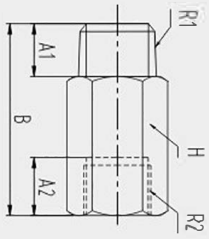


型号 MODEL	ΦD	ΦP	C	H	R	A	B	X	Y
PCVC4-M5	4	10	14.9	10	M5X0.8	4	33.3	11.9	10.5
PCVC4-M6	4	10	14.9	10	M6X1	4.5	33.8	11.9	10.5
PCVC4-01	4	10	14.9	10	R1/8	7.5	27.8	11.9	10.5
PCVC6-01	6	12	16	12	R1/8	7.5	38.7	13.9	12.5
PCVC6-02	6	12	16	14	R1/4	9.5	34.2	13.9	12.5
PCVC8-01	8	14	18.2	14	R1/8	7.5	41.1	15.9	13.9
PCVC8-02	8	14	18.2	14	R1/4	9.5	37.2	15.9	13.9
PCVC10-03	10	24.8	20.3	24	R3/8	10.5	61.4	19.5	17
PCVC10-04	10	28	20.3	27	R1/2	13.5	67.4	19.5	17
PCVC12-03	12	24.8	22.7	24	R3/8	10.5	64.6	23	20.5
PCVC12-04	12	28	22.7	27	R1/2	13.5	70.7	23	20.5

PCVF

77) 内外螺纹直通
Straight





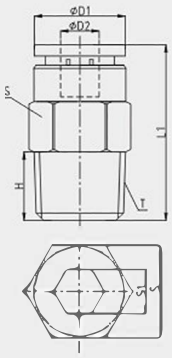
型号 MODEL	R1	R2	H	A1	A2	B
PCVF01-01	R1/8	G1/8	14	7.5	9	31.7
PCVF02-02	R1/4	G1/4	17	9.5	11	34.5
PCVF03-03	R3/8	G3/8	24	10.5	12	54.1
PCVF04-04	R1/2	G1/2	27	13.5	15	63.1

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

MPC

78) 螺纹直通
Straight



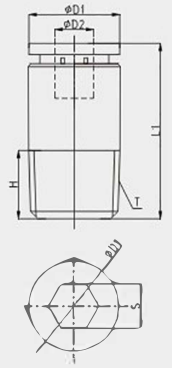


型号 MODEL	L1	S1	H	S	T	D1	D2
MPC4-M5	19	2	3.8	8	M5	Φ8	Φ4
MPC4-01	16	2.5	7	10	R1/8	Φ8	Φ4
MPC4-02	18	2.5	9	14	R1/4	Φ8	Φ4
MPC4-03	19	2.5	9.5	17	R3/8	Φ8	Φ4
MPC6-M5	26	2	4	12	M5	Φ12	Φ6
MPC6-01	25	5	7	12	R1/8	Φ12	Φ6
MPC6-02	20.5	5	9	14	R1/4	Φ12	Φ6
MPC6-03	20.5	5	9.5	17	R3/8	Φ12	Φ6
MPC6-04	21	5	11	21	R1/2	Φ12	Φ6
MPC8-M5	28	2	4	14	M5	Φ14	Φ8
MPC8-01	28.5	5	7	14	R1/8	Φ14	Φ8
MPC8-02	28.5	6	9	14	R1/4	Φ14	Φ8
MPC8-03	22	6	9.5	17	R3/8	Φ14	Φ8
MPC8-04	22	6	11	21	R1/2	Φ14	Φ8
MPC10-01	30.5	5	7	17	R1/8	Φ16	Φ10
MPC10-02	30	6	9	17	R1/4	Φ16	Φ10
MPC10-03	25	8	9.5	17	R3/8	Φ16	Φ10
MPC10-04	24	8	11	21	R1/2	Φ16	Φ10
MPC12-01	31	5	7	19	R1/8	Φ18	Φ12
MPC12-02	33	6	9	19	R1/4	Φ18	Φ12
MPC12-03	31	10	9.5	19	R3/8	Φ18	Φ12
MPC12-04	24	10	11	21	R1/2	Φ18	Φ12
MPC14-02	36	6	4	21	R1/4	Φ21	Φ14
MPC14-03	36	8	9.5	21	R3/8	Φ21	Φ14
MPC14-04	35	10	11	21	R1/2	Φ21	Φ14
MPC14-06	37	12	13	27	R3/4	Φ21	Φ14
MPC16-02	36	6	9	24	R1/4	Φ23	Φ16
MPC16-03	37	10	9.5	24	R3/8	Φ23	Φ16
MPC16-04	37	12	11	24	R1/2	Φ23	Φ16
MPC16-06	37	12	13	27	R3/4	Φ23	Φ16

MPOC

79) 圆螺纹直通
Hex.Holed Straight





型号 MODEL	L1	H	S	T	D1	D2
MPOC4-M5	19	3.6	2	M5	Φ8	Φ4
MPOC4-01	18.5	7	2.5	R1/8	Φ8	Φ4
MPOC4-02	18.5	9	2.5	R1/4	Φ8	Φ4
MPOC6-M5	26	3.6	2	M5	Φ12	Φ6
MPOC6-01	25	7	5	R1/8	Φ12	Φ6
MPOC6-02	26	9	5	R1/4	Φ12	Φ6
MPOC6-03	27	9.5	5	R3/8	Φ12	Φ6
MPOC6-04	28	11.5	5	R1/2	Φ12	Φ6
MPOC8-01	28.5	7	5	R1/8	Φ14	Φ8
MPOC8-02	27.5	9	6	R1/4	Φ14	Φ8
MPOC8-03	28	9.5	6	R3/8	Φ14	Φ8
MPOC8-04	29	11.5	6	R1/2	Φ14	Φ8
MPOC10-01	33	7	5	R1/8	Φ16	Φ10
MPOC10-02	30	9	6	R1/4	Φ16	Φ10
MPOC10-03	29	9.5	8	R3/8	Φ16	Φ10
MPOC10-04	30	11.5	8	R1/2	Φ16	Φ10
MPOC12-01	31	7	5	R1/8	Φ18	Φ12
MPOC12-02	33	9	6	R1/4	Φ18	Φ12
MPOC12-03	31	9.5	10	R3/8	Φ18	Φ12
MPOC12-04	30	11.5	10	R1/2	Φ18	Φ12
MPOC14-02	36	9	6	R1/4	Φ21	Φ14
MPOC14 -03	36	9.5	8	R3/8	Φ21	Φ14
MPOC14-04	35	11.5	10	R1/2	Φ21	Φ14
MPOC14 -06	37	13	12	R3/4	Φ21	Φ14
MPOC16-02	36	9	6	R1/4	Φ23	Φ16
MPOC16-03	37	9.5	10	R3/8	Φ23	Φ16
MPOC16-04	37	11.5	12	R1/2	Φ23	Φ16
MPOC16-06	37	13	12	R3/8	Φ23	Φ16

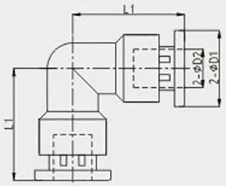
ISO9001:2008 CE

Metal Push-in Connertor
Pneumatic Fittings

MPV

80) L型螺纹二通
Male Elbow L



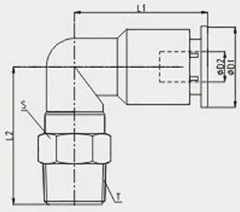


型号 MODEL	L1	D2	D2
MPV4	17.5	Φ8	Φ4
MPV6	24	Φ12	Φ6
MPV8	26.5	Φ14	Φ8
MPV10	31	Φ16	Φ10
MPV12	32.5	Φ18	Φ12
MPV14	37	Φ21	Φ14
MPV16	37	Φ23	Φ16

MPL

81) L型螺纹二通
Male Elbow L





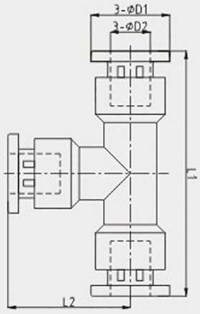
型号 MODEL	L1	L2	H	S	T	D1	D2
MPL4-M5	17.5	18	3.6	8	M5	Φ8	Φ4
MPL4-01	17.5	19.5	7	10	R1/8	Φ8	Φ4
MPL4-02	17.5	21.5	9	14	R1/4	Φ8	Φ4
MPL4-03	17.5	22	9.5	17	R3/8	Φ8	Φ4
MPL6-M5	24	19	3.6	10	M5	Φ12	Φ6
MPL6-01	24	22	7	10	R1/8	Φ12	Φ6
MPL6-02	24	24	9	14	R1/4	Φ12	Φ6
MPL6-03	24	24.5	9.5	17	R3/8	Φ12	Φ6
MPL6-04	24	26.5	11.5	21	R1/2	Φ12	Φ6
MPL8-M5	26.5	21	3.6	12	M5	Φ14	Φ8
MPL8-01	26.5	23	7	12	R1/8	Φ14	Φ8
MPL8-02	26.5	25	9	14	R1/4	Φ14	Φ8
MPL8-03	26.5	25.5	9.5	17	R3/8	Φ14	Φ8
MPL8-04	26.5	27.5	11.5	21	R1/2	Φ14	Φ8
MPL10-01	31	24	7	14	R1/8	Φ16	Φ10
MPL10-02	31	26	9	14	R1/4	Φ16	Φ10
MPL10-03	31	28	9.5	17	R3/8	Φ16	Φ10
MPL10-04	31	30	11.5	21	R1/2	Φ16	Φ10
MPL12-01	32.5	27.5	7	17	R1/8	Φ18	Φ12
MPL12-02	32.5	29.5	9	17	R1/4	Φ18	Φ12
MPL12-03	32.5	30	9.5	17	R3/8	Φ18	Φ12
MPL12-04	32.5	32	11.5	21	R1/2	Φ18	Φ12
MPL14-02	35	34	9	21	R1/4	Φ21	Φ14
MPL14-03	35	34.5	9.5	21	R3/8	Φ21	Φ14
MPL14-04	35	37	11.5	21	R1/2	Φ21	Φ14
MPL14-06	35	39	13	27	R3/4	Φ21	Φ14
MPL16-02	35	34	9	21	R1/4	Φ23	Φ16
MPL16-03	35	34.5	9.5	21	R3/8	Φ23	Φ16
MPL16-04	35	37	11.5	21	R1/2	Φ23	Φ16
MPL16-06	35	39	13	21	R3/4	Φ23	Φ16

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

MPE

82) T型三通
Union Tee



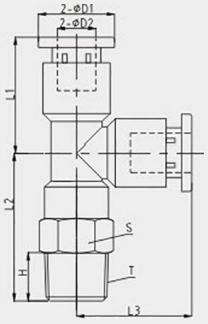


型号 MODEL	L1	L2	D2	D2
MPE4	35	17.5	Φ8	Φ4
MPE6	48	24	Φ12	Φ6
MPE8	53	26.5	Φ14	Φ8
MPE10	62	31	Φ16	Φ10
MPE12	65	32.5	Φ18	Φ12
MPE14	74	37	Φ21	Φ14
MPE16	74	37	Φ23	Φ16

MPD

83) T型分支螺纹三通
Branch Tee



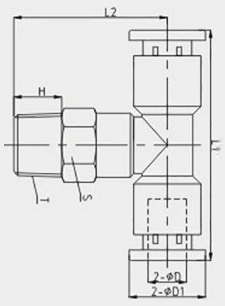


型号 MODEL	L1	L2	L3	H	S	T	D1	D2
MPD4-M5	17.5	18	17.5	3.6	8	M5	Φ8	Φ4
MPD4-01	17.5	19.5	17.5	7	10	R1/8	Φ8	Φ4
MPD4-02	17.5	21.5	17.5	9	14	R1/4	Φ8	Φ4
MPD6-M5	24	19	24	3.6	10	M5	Φ12	Φ6
MPD6-01	24	22	24	7	10	R1/8	Φ12	Φ6
MPD6-02	24	24	24	9	14	R1/4	Φ12	Φ6
MPD6-03	24	24.5	24	9.5	17	R3/8	Φ12	Φ6
MPD6-04	24	26.5	24	11.5	21	R1/2	Φ12	Φ6
MPD8-M5	26.5	21	26.5	3.6	12	M5	Φ14	Φ8
MPD8-01	26.5	23	26.5	7	12	R1/8	Φ14	Φ8
MPD8-02	26.5	25	26.5	9	14	R1/4	Φ14	Φ8
MPD8-03	26.5	25.5	26.5	9.5	17	R3/8	Φ14	Φ8
MPD8-04	26.5	27.5	26.5	11.5	21	R1/2	Φ14	Φ8
MPD10-01	31	24	31	7	14	R1/8	Φ16	Φ10
MPD10-02	31	26	31	9	14	R1/4	Φ16	Φ10
MPD10-03	31	28	31	9.5	17	R3/8	Φ16	Φ10
MPD10-04	31	30	31	11.5	21	R1/2	Φ16	Φ10
MPD12-01	32.5	27.5	32.5	7	17	R1/8	Φ18	Φ12
MPD12-02	32.5	29.5	32.5	9	17	R1/4	Φ18	Φ12
MPD12-03	32.5	30	32.5	9.5	17	R3/8	Φ18	Φ12
MPD12-04	32.5	32	32.5	11.5	21	R1/2	Φ18	Φ12

MPB

84) T型螺纹三通
Branch Tee





型号 MODEL	L1	L2	H	S	T	D1	D2
MPB4-M5	35	18	3.6	8	M5	Φ8	Φ4
MPB4-01	35	19.5	7	10	R1/8	Φ8	Φ4
MPB4-02	35	21.5	9	14	R1/4	Φ8	Φ4
MPB6-M5	48	19	3.6	10	M5	Φ12	Φ6
MPB6-01	48	22	7	10	R1/8	Φ12	Φ6
MPB6-02	48	24	9	14	R1/4	Φ12	Φ6
MPB6-03	48	24.5	9.5	17	R3/8	Φ12	Φ6
MPB6-04	48	26.5	11.5	21	R1/2	Φ12	Φ6
MPB8-M5	53	21	3.6	12	M5	Φ14	Φ8
MPB8-01	53	23	7	12	R1/8	Φ14	Φ8
MPB8-02	53	25	9	14	R1/4	Φ14	Φ8
MPB8-03	53	25.5	9.5	17	R3/8	Φ14	Φ8
MPB8-04	53	27.5	11.5	21	R1/2	Φ14	Φ8
MPB10-01	62	24	7	14	R1/8	Φ16	Φ10
MPB10-02	62	26	9	14	R1/4	Φ16	Φ10
MPB10-03	62	28	9.5	17	R3/8	Φ16	Φ10
MPB10-04	62	30	11.5	21	R1/2	Φ16	Φ10
MPB12-01	65	27.5	7	17	R1/8	Φ18	Φ12
MPB12-02	65	29.5	9	17	R1/4	Φ18	Φ12
MPB12-03	65	30	9.5	17	R3/8	Φ18	Φ12
MPB12-04	65	32	11.5	21	R1/2	Φ18	Φ12

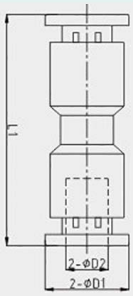
Metal Push-in Connertor
Pneumatic Fittings

MPU

直通

86） **Union Straight**





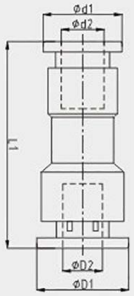
型号 MODEL	L1	D2	D2
MPU4	30	Φ8	Φ4
MPU6	40	Φ12	Φ6
MPU8	43	Φ14	Φ8
MPU10	48	Φ16	Φ10
MPU12	48	Φ18	Φ12
MPU14	56	Φ21	Φ14
MPU16	56	Φ23	Φ16

MPG

减径直通

87） **Diff.Diam.Union Straight**





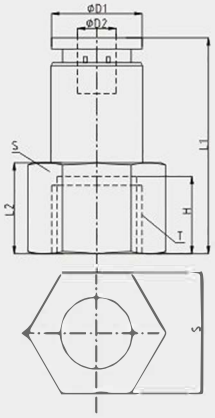
型号 MODEL	L1	D1	D2	d1	D2
MPG6-4	35	Φ12	Φ6	Φ8	Φ4
MPG8-4	37	Φ14	Φ8	Φ8	Φ4
MPG8-6	41. 5	Φ14	Φ8	Φ12	Φ6
MPG10-4	39.5	Φ16	Φ10	Φ8	Φ4
MPG10-6	42	Φ16	Φ10	Φ12	Φ6
MPG10-8	45.5	Φ16	Φ10	Φ14	Φ8
MPG12-6	44	Φ18	Φ12	Φ12	Φ6
MPG12-8	46.5	Φ18	Φ12	Φ14	Φ8
MPG12-10	46.5	Φ18	Φ12	Φ16	Φ10

MPCF

内螺纹直通

88） **Bulkhead Female Straight**





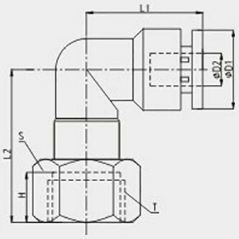
型号 MODEL	L1	L2	H	S	T	D1	D2
MPCF4-M5	20	6	5	8	M5	Φ8	Φ4
MPCF4-01	24	10	8	12	Rc1/8	Φ8	Φ4
MPCF4-02	26	12	10	17	Rc1/4	Φ8	Φ4
MPCF4-03	26	13	10.5	19	Rc3/8	Φ8	Φ4
MPCF6-M5	25.5	7	5	12	M5	Φ12	Φ6
MPCF6-01	29.5	8.5	8	12	Rc1/8	Φ12	Φ6
MPCF6-02	31.5	12	10	17	Rc1/4	Φ12	Φ6
MPCF6-03	32	13	10.5	19	Rc3/8	Φ12	Φ6
MPCF6-04	33	14	12	24	Rc1/2	Φ12	Φ6
MPCF8-01	31.5	8.5	8	14	Rc1/8	Φ14	Φ8
MPCF8-02	33.5	12	10	17	Rc1/4	Φ14	Φ8
MPCF8-03	34	13	10.5	19	Rc3/8	Φ14	Φ8
MPCF8-04	35	14	12	24	Rc1/2	Φ14	Φ8
MPCF10-01	32.5	8.5	8	17	Rc1/8	Φ16	Φ10
MPCF10-02	35	11	10	17	Rc1/4	Φ16	Φ10
MPCF10-03	35.5	13	10.5	19	Rc3/8	Φ16	Φ10
MPCF10-04	36.5	14	12	24	Rc1/2	Φ16	Φ10
MPCF12-01	32	8.5	8	19	Rc1/8	Φ18	Φ12
MPCF12-02	35	11	10	19	Rc1/4	Φ18	Φ12
MPCF12-03	35.5	13	10.5	19	Rc3/8	Φ18	Φ12
MPCF12-04	36.5	14	12	24	Rc1/2	Φ18	Φ12

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

MPFL

89) L 型内螺纹二通
Female Elbow L



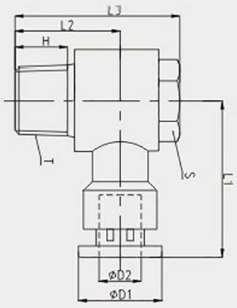


型号 MODEL	L1	L2	H	S	T	D1	D2
MPFL4-M5	17.5	15	5	8	M5	Φ8	Φ4
MPFL4-01	17.5	20	8	14	Rc1/8	Φ10	Φ4
MPFL4-02	17.5	22	9	17	Rc1/4	Φ10	Φ4
MPFL4-03	17.5	23	10.5	19	Rc3/8	Φ12	Φ6
MPFL6-01	24	24	8	14	Rc1/8	Φ12	Φ6
MPFL6-02	24	21	9.5	17	Rc1/4	Φ12	Φ6
MPFL6-03	24	22	10.5	19	Rc3/8	Φ12	Φ6
MPFL6-04	24	23	12.5	21	Rc1/2	Φ14	Φ8
MPFL8-01	26.5	19	8	14	Rc1/8	Φ14	Φ8
MPFL8-02	26.5	21	9.5	17	Rc1/4	Φ14	Φ8
MPFL8-03	26.5	22	10.5	19	Rc3/8	Φ14	Φ8
MPFL8-04	26.5	23	12.5	24	Rc1/2	Φ14	Φ8
MPFL10-01	31	22	8	14	Rc1/8	Φ16	Φ10
MPFL10-02	31	25	9.5	17	Rc1/4	Φ16	Φ10
MPFL10-03	31	26	10.5	19	Rc3/8	Φ16	Φ10
MPFL10-04	31	27	12.5	24	Rc1/2	Φ16	Φ10
MPFL12-01	32.5	25	8	14	Rc1/8	Φ18	Φ12
MPFL12-02	32.5	27.5	9.5	17	Rc1/4	Φ18	Φ12
MPFL12-03	32.5	28.5	10.5	19	Rc3/8	Φ18	Φ12
MPFL12-04	32.5	29.5	12.5	24	Rc1/2	Φ18	Φ12

MPH

90) 外六角接头
Universal Elbow



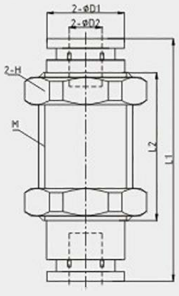


型号 MODEL	L1	L2	L3	H	S	T	D1	D2
MPH4-M5	18	10	19	3.6	8	M5	Φ8	Φ4
MPH4-01	21	15	25	7	12	R1/8	Φ10	Φ4
MPH4-02	23	18	29	9	15	R1/4	Φ10	Φ4
MPH6-M5	22	11	19	3.6	8	M5	Φ12	Φ6
MPH6-01	24	15	25	7	12	R1/8	Φ12	Φ6
MPH6-02	25	18	29	9	15	R1/4	Φ12	Φ6
MPH6-03	27	20	33	9.5	19	R3/8	Φ12	Φ6
MPH6-04	29	22.5	36	11.5	22	R1/2	Φ12	Φ6
MPH8-M5	26	12	19	3.6	12	M5	Φ14	Φ8
MPH8-01	26	15	25	7	12	R1/8	Φ14	Φ8
MPH8-02	27	18	29	9	15	R1/4	Φ14	Φ8
MPH8-03	29	20	33	9.5	19	R3/8	Φ14	Φ8
MPH8-04	31.5	22.5	36	11.5	22	R1/2	Φ14	Φ8
MPH10-01	28	16	25	7	12	R1/8	Φ16	Φ10
MPH10-02	29	19	29	9	15	R1/4	Φ16	Φ10
MPH10-03	31	20	33	9.5	19	R3/8	Φ16	Φ10
MPH10-04	31	22.5	36	11.5	22	R1/2	Φ16	Φ10
MPH12-01	29	17	25	7	12	R1/8	Φ18	Φ12
MPH12-02	30	20	29	9	15	R1/4	Φ18	Φ12
MPH12-03	32	21	33	9.5	19	R3/8	Φ18	Φ12
MPH12-04	33	22.5	36	11.5	22	R1/2	Φ18	Φ12

MPM

91) 隔板直通
Bulkhead Union



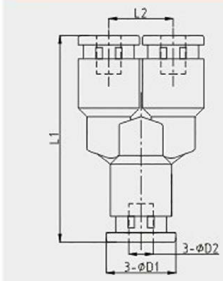


型号 MODEL	L1	L2	M	D1	D2
MPM4	30	17.5	M10 x 1	Φ8	Φ4
MPM6	40	24	M14 x 1	Φ12	Φ6
MPM8	43	26.5	M16 x 1	Φ14	Φ8
MPM10	48	31	M18 x 1	Φ16	Φ10
MPM12	48	32.5	M20 x 1	Φ18	Φ12
MPM14	56	38	M22 x 1	Φ21	Φ14
MPM16	56	38	M24 x 1	Φ23	Φ16

MPY

92) Y型三通
Union Y



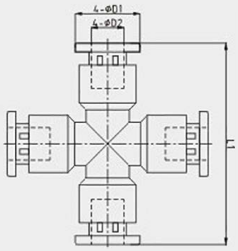


型号 MODEL	L1	L2	D1	D2
MPY4	33	8.6	Φ8	Φ4
MPY6	42	12.6	Φ10	Φ6
MPY8	50	14.5	Φ12	Φ8
MPY10	52	17	Φ14	Φ10
MPY12	58	20	Φ16	Φ12

MPZA

93) 十字四通
Cross



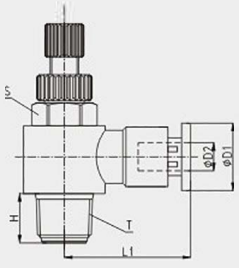


型号 MODEL	L1	D1	D2
MPZA4	30	Φ8	Φ4
MPZA6	48	Φ12	Φ6
MPZA8	53	Φ14	Φ8
MPZA10	62	Φ16	Φ10
MPZA12	65	Φ18	Φ12

MSL

94) 单向节流阀
Speed Controllers





型号 MODEL	L1	L2	H	S	T	D1	D2
MSL4-M5	18	10	3.6	8	M5	Φ8	Φ4
MSL4-01	21	15	7	12	R1/8	Φ10	Φ4
MSL4-02	23	18	9	15	R1/4	Φ10	Φ4
MSL6-M5	22	11	3.6	8	M5	Φ12	Φ6
MSL6-01	24	15	7	12	R1/8	Φ12	Φ6
MSL6-02	25	18	9	15	R1/4	Φ12	Φ6
MSL6-03	27	20	9.5	19	R3/8	Φ12	Φ6
MSL6-04	29	22.5	11.5	22	R1/2	Φ12	Φ6
MSL8-M5	26	12	3.6	12	M5	Φ14	Φ8
MSL8-01	26	15	7	12	R1/8	Φ14	Φ8
MSL8-02	27	18	9	15	R1/4	Φ14	Φ8
MSL8-03	29	20	9.5	19	R3/8	Φ14	Φ8
MSL8-04	31.5	22.5	11.5	22	R1/2	Φ14	Φ8
MSL10-01	28	16	7	12	R1/8	Φ16	Φ10
MSL10-02	29	19	9	15	R1/4	Φ16	Φ10
MSL10-03	31	20	9.5	19	R3/8	Φ16	Φ10
MSL10-04	31	22.5	11.5	22	R1/2	Φ16	Φ10
MSL12-01	29	17	7	12	R1/8	Φ18	Φ12
MSL12-02	30	20	9	15	R1/4	Φ18	Φ12
MSL12 -03	32	21	9.5	19	R3/8	Φ18	Φ12
MSL12-04	33	22.5	11.5	22	R1/2	Φ18	Φ12

A-Series Pneumatic Stainless Steel Round Body Air Cylinders

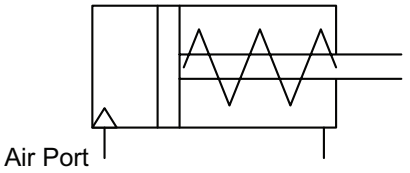
The A-Series non-repairable stainless steel round body cylinders includes bore sizes from 7/16″ to 2″ and stroke lengths from 1/2″ to 18″ to meet a broad range of applications. These high quality cylinders are constructed with stainless steel bodies and double rolled-in high strength aluminum end caps with full flow ports. To minimize friction the inside of the cylinder body is polished to a mirror finish and all cylinders are factory lubricated for optimum performance and long, reliable life. The high strength aluminum alloy piston is securely threaded and sealed to a piston rod that is ground and roller burnished 303 stainless steel (7/16″ and 9/16″ bores) or ground and polished high strength steel (3/4″ – 2″ bores) with roll-formed threads for exceptional strength. Low friction wear compensating Buna N U-cup rod and piston seals, sintered bronze rod guide bushing (except 7/16″ and 9/16″ bores), and end caps with slots all combine for smooth breakaway even at low pressures.

Features

- Interchangeable with other common brands of round body cylinders
- Available bore sizes: 7/16”, 9/16”, 3/4”, 7/8”, 1-1/16”, 1-1/4”, 1-1/2”, 2”
- Excellent selection of stroke lengths
- Single-acting (spring return) and double-acting models
- Nose, pivot and double-end mounting options
- Type 304 stainless steel body with high-strength aluminum alloy end caps
- Factory lubricated for long, maintenance-free operation
- 250 psi operating pressure
- Models available with magnetic piston for position indication
- Made in China
- 1-year warranty

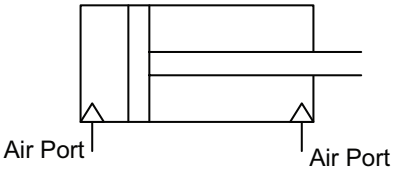
Operation

Single-acting cylinders with spring return have one compressed air port to extend the rod in the “push” direction. The internal spring retracts in the “pull” direction.



Single-Acting Cylinder with Spring Return
(Force in Push Direction)

Double-acting cylinders have two compressed air ports. One of the ports will extend the rod in the “push” direction and the other port will retract the rod in the “pull” directon.



Double-Acting Cylinder
(Force in Push and Pull Direction)

Mounting Options



Nose mount uses one AMB bracket and one AN nut.

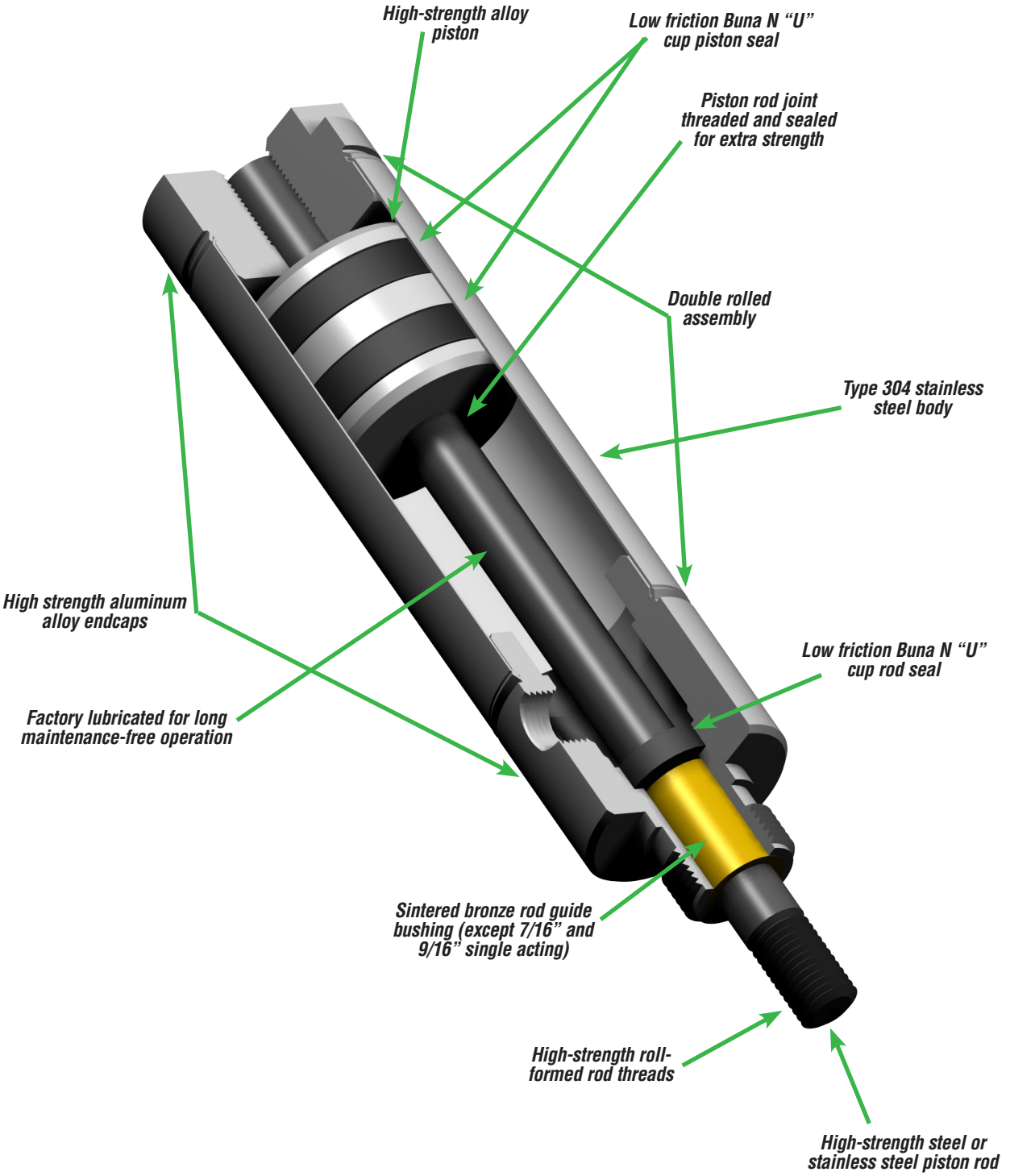


Pivot mount uses one APB or one APBP bracket.



Double end mount uses two AMB brackets and two AN nuts.

Cylinder Features



7/16 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V07020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/16 inch bore;
#10-32 port;
Single acting;
Spring return;
Front nose mount.

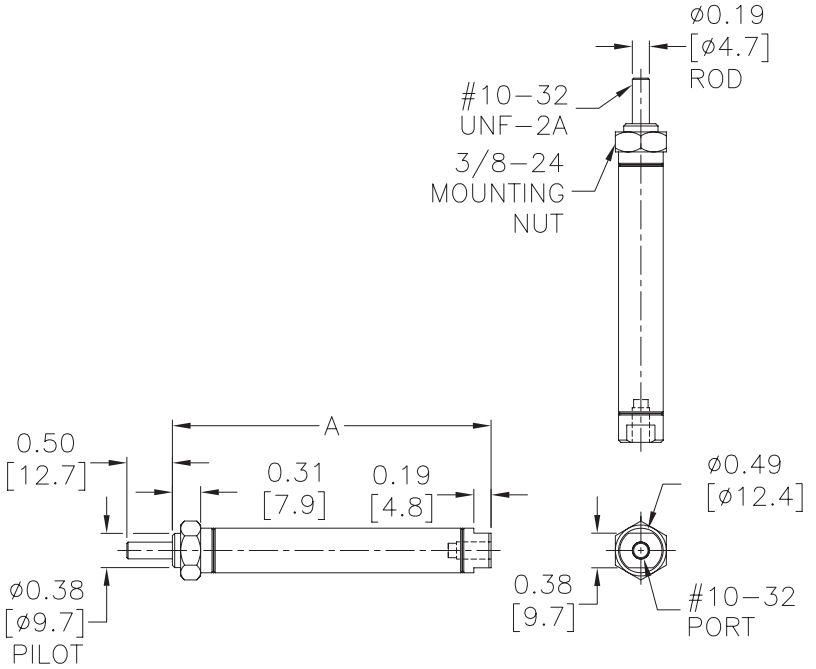
Cylinder, 7/16 in bore, single-acting, spring return, front nose mount			
Part Number	**Stroke Length (in.)**	**"A" (in)**	**Weight (lbs)**
V07005SN	0.5	2.25	0.1
V07010SN	1.0	3.19	0.1
V07015SN	1.5	4.13	0.1
V07020SN	2	5.07	0.1
Specifications			
304 SS cylinder body		0.15 sq. in. piston area	
High strength 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-3	AN-38-24*
Rear Pivot Mount		–	–
Double End Mount	Front	–	–
	Rear	–	–

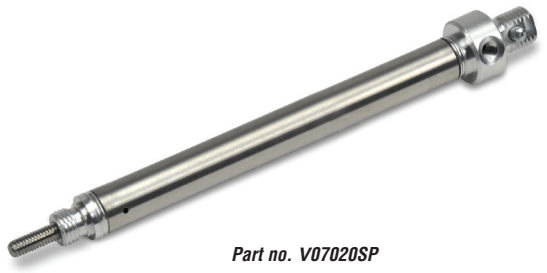
** (1) Nut included with cylinder*
Cylinder rod clevis ARC-10-32
See end of 7/16" bore section for Accessories

Dimensions

inches [mm]



7/16 in. Bore, Single-acting, Spring Return, Rear Pivot Mount



Part no. V07020SP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/16 inch bore;
#10-32 port;
Single acting;
Spring return;
Rear pivot mount (pivot pin included).

Cylinder, 7/16 in bore, single acting, spring return, rear pivot mount			
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	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-3	AN-38-24
Rear Pivot Mount		APB-1	–
Double End Mount	Front	AMB-3	AN-38-24
	Rear	AMB-4	AN-716-24

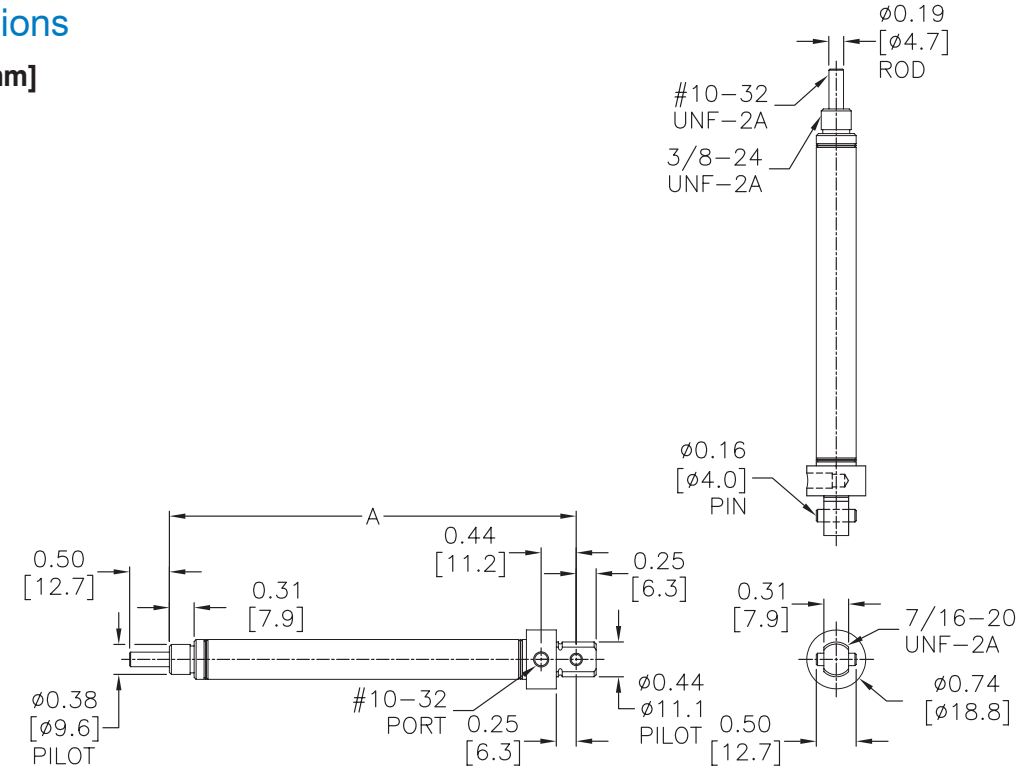
Cylinder rod clevis ARC-10-32

See end of 7/16" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



7/16 in. Bore, Double-acting, Front Nose Mount



Part no. V07020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/16 inch bore;
#10-32 ports;
Double acting;
Front nose mount.

Cylinder, 7/16 in bore, double acting, front nose mount			
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.	Retract force at 100 psi = 13.8 lb.

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

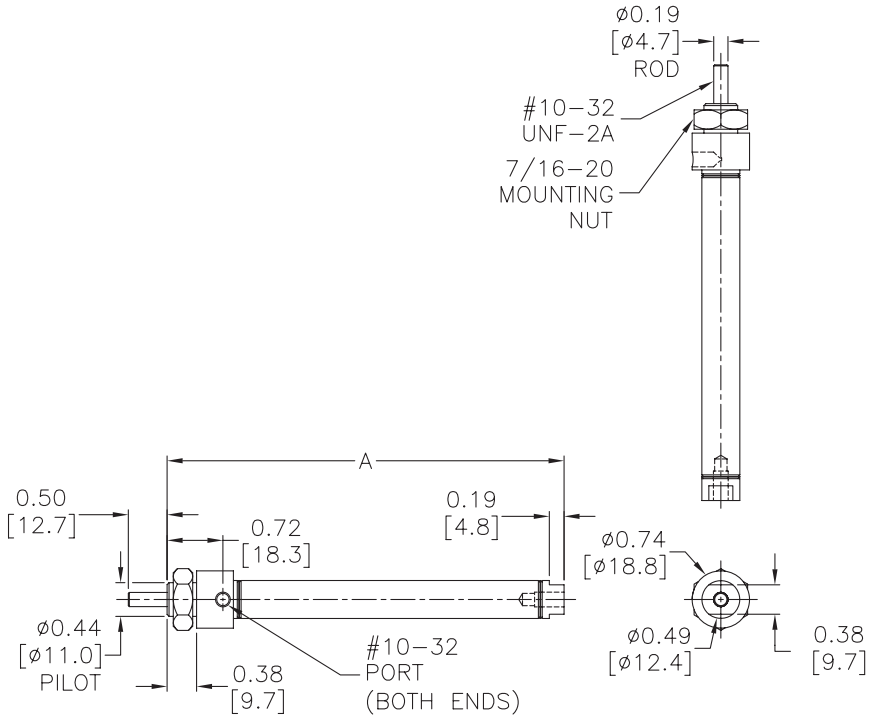
**** (1) Nut included with cylinder***

Cylinder rod clevis ARC-10-32

See end of 7/16" bore section for Accessories

Dimensions

inches [mm]



7/16 in. Bore, Double-acting, Rear Pivot Mount



Part no. V07020DP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/16 inch bore;
#10-32 ports;
Double acting;
Rear pivot mount (pivot pin included).

Cylinder, 7/16 in bore, double acting, rear pivot mount			
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.		Retract force at 100 psi = 13.8 lb.	

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

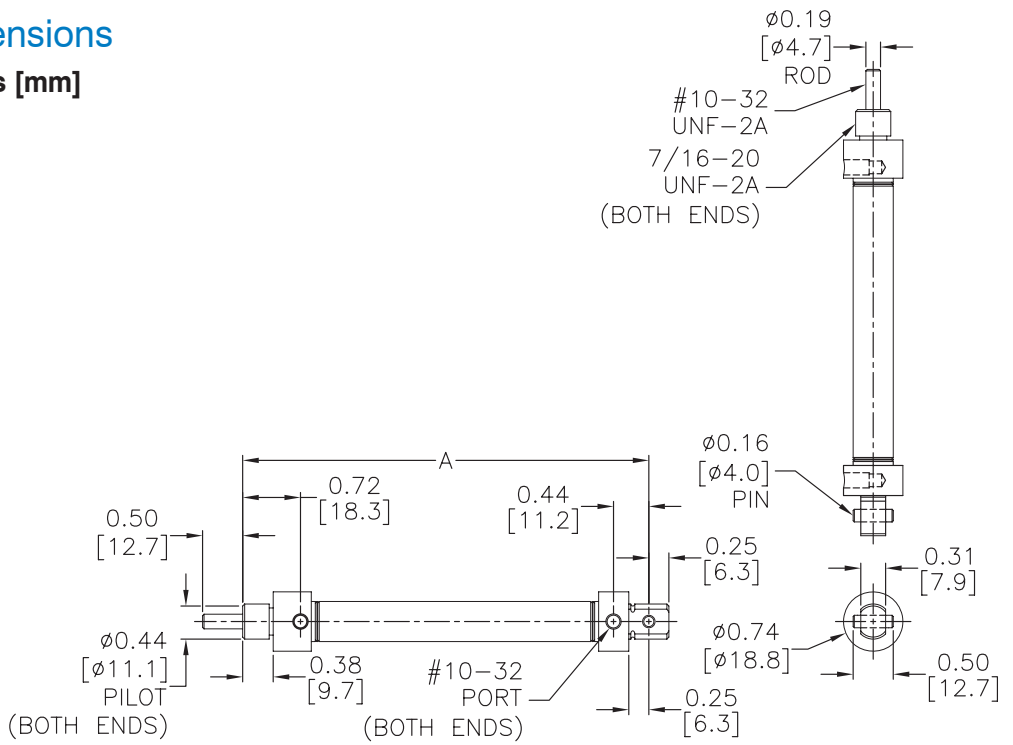
Cylinder rod clevis ARC-10-32

See end of 7/16" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



9/16 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V09020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
9/16 inch bore;
#10-32 port;
Single acting;
Spring return;
Front nose mount.

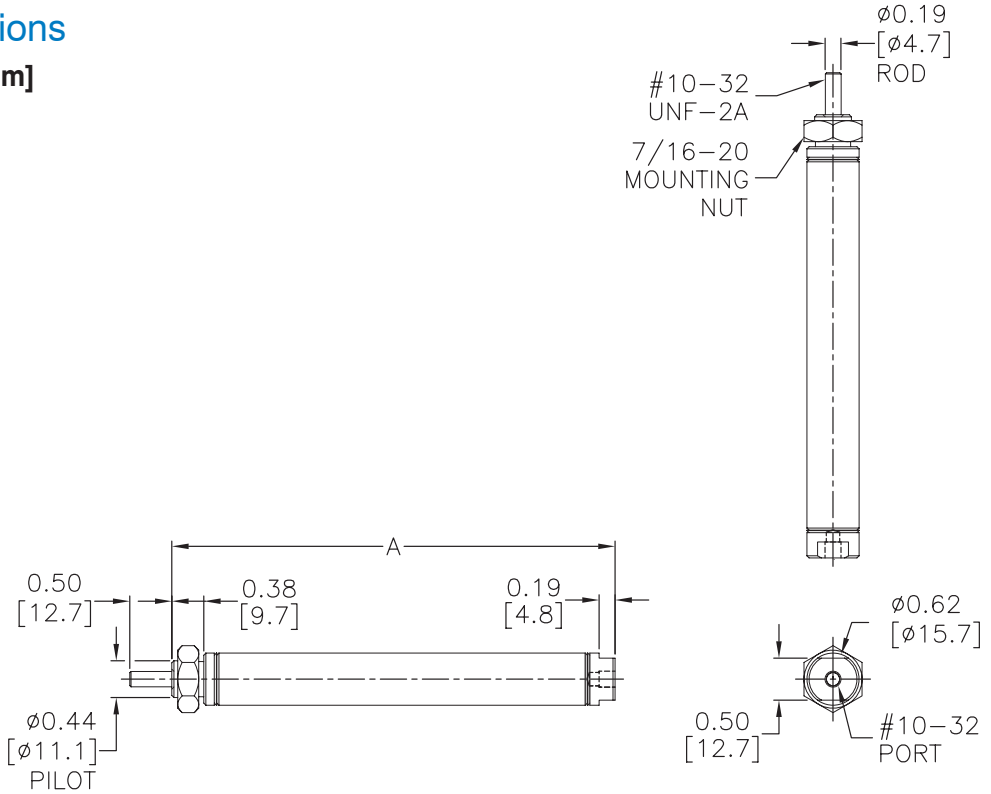
Cylinder, 9/16 in bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V09005SN	0.5	2.34	0.1
V09010SN	1.0	3.15	0.1
V09020SN	2.0	4.77	0.2
V09030SN	3.0	6.39	0.2
Specifications			
304 SS cylinder body		0.25 sq. in. piston area	
High 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

inches [mm]



9/16 in. Bore, Single-acting, Spring Return, Double End Mount



Part no. V09020SD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
9/16 inch bore;
#10-32 port;
Single acting;
Spring return;
Double end mount.

Cylinder, 9/16 in bore, single acting, spring return, double end mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V09005SD	0.5	2.62	0.1
V09010SD	1.0	3.43	0.1
V09020SD	2.0	5.05	0.2
V09030SD	3.0	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

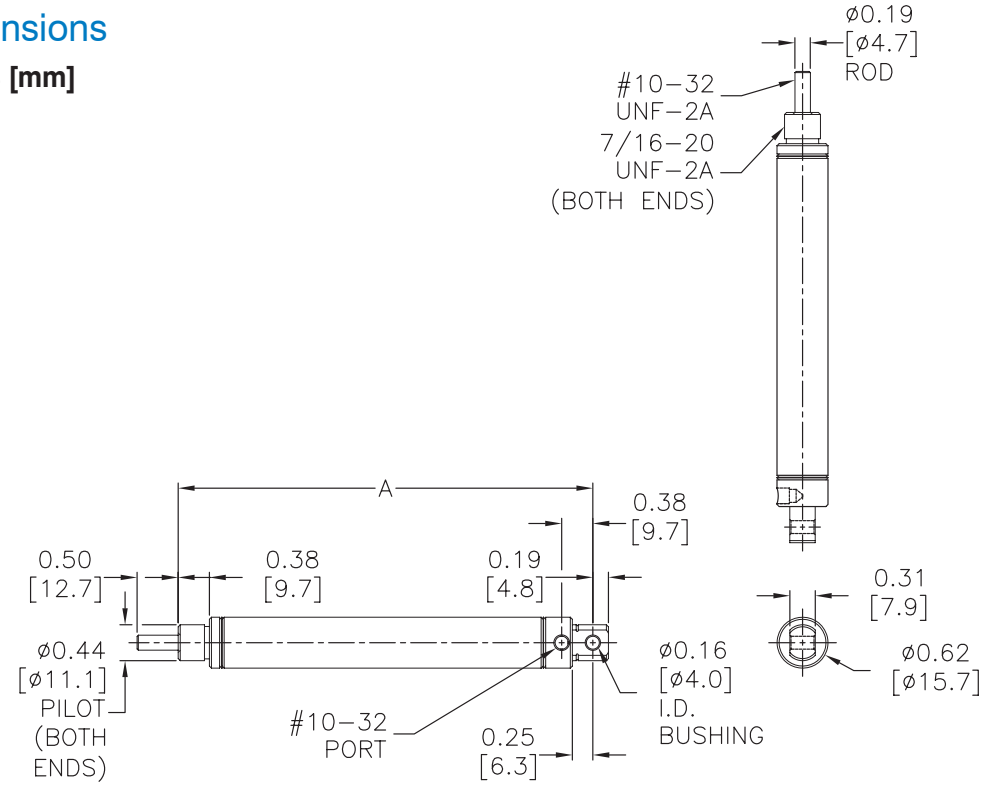
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-4	AN-716-20
Rear Pivot Mount		APBP-2	–
Double End Mount	Front	AMB-4	AN-716-20
	Rear	AMB-4	AN-716-20

Cylinder rod clevis ARC-10-32

See end of 9/16" bore section for Accessories

Dimensions

inches [mm]



9/16 in. Bore, Double-acting, Front Nose Mount



Part no. V09020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
9/16 inch bore;
#10-32 ports;
Double acting;
Front nose mount.

Cylinder, 9/16 in bore, double acting, front nose mount			
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	–	–

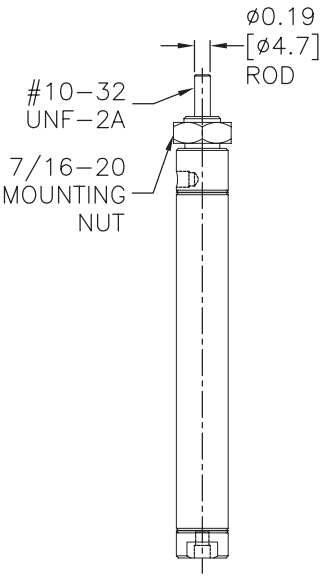
**** (1) Nut included with cylinder***

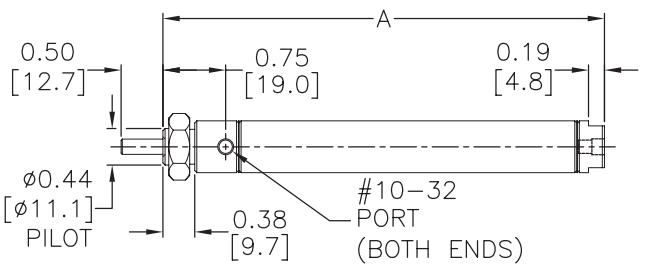
Cylinder rod clevis ARC-10-32

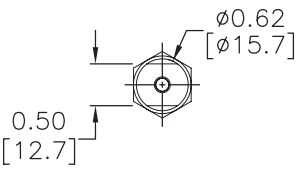
See end of 9/16" bore section for Accessories

Dimensions

inches [mm]







9/16 in. Bore, Double-acting, Double End Mount



Part no. V09020DD

Stainless steel round body; Interchangeable; Non-repairable cylinder; 9/16 inch bore; #10-32 ports; Double acting; Double end mount.

Cylinder, 9/16 in bore, double acting, double end mount			
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*

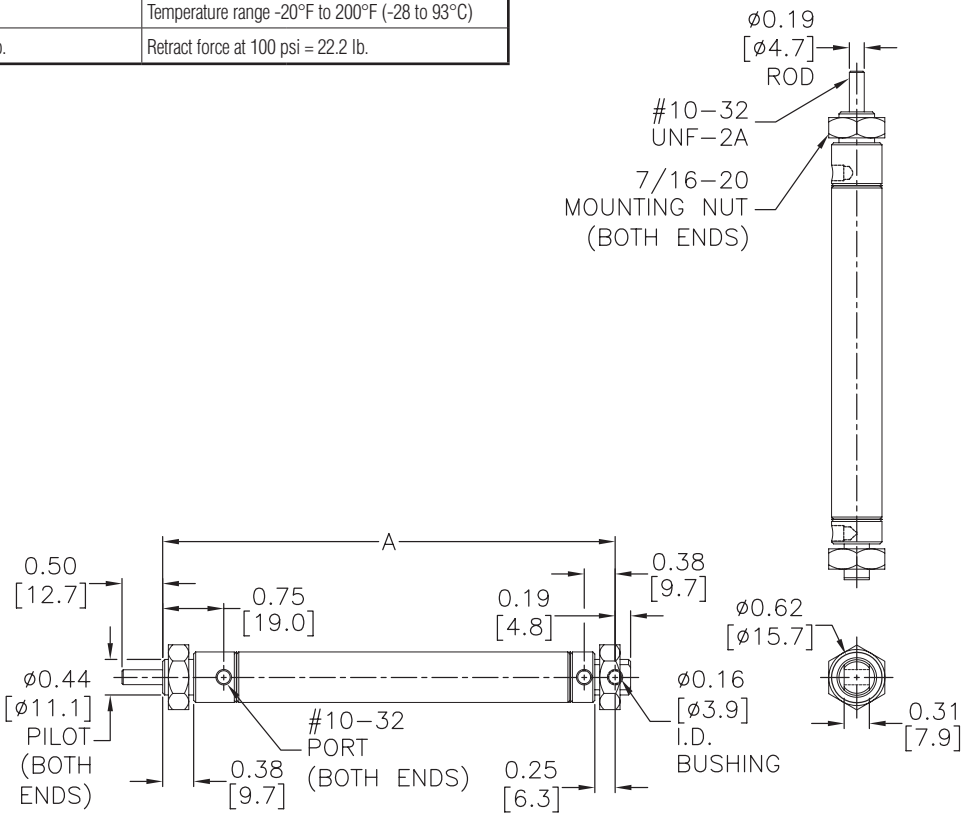
**** (2) Nuts included with cylinder***

Cylinder rod clevis ARC-10-32

See end of 9/16" bore section for Accessories

Dimensions

inches [mm]



9/16 in. Bore, Double-acting, Double End Mount, Magnetic Piston



Stainless steel round body; Interchangeable; Non-repairable cylinder; 9/16 inch bore; #10-32 ports; Double acting; Double end mount; Magnetic piston.

Part no. V09020DD-M

Cylinder, 9/16 in bore, double acting, double end mount, magnetic piston			
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*

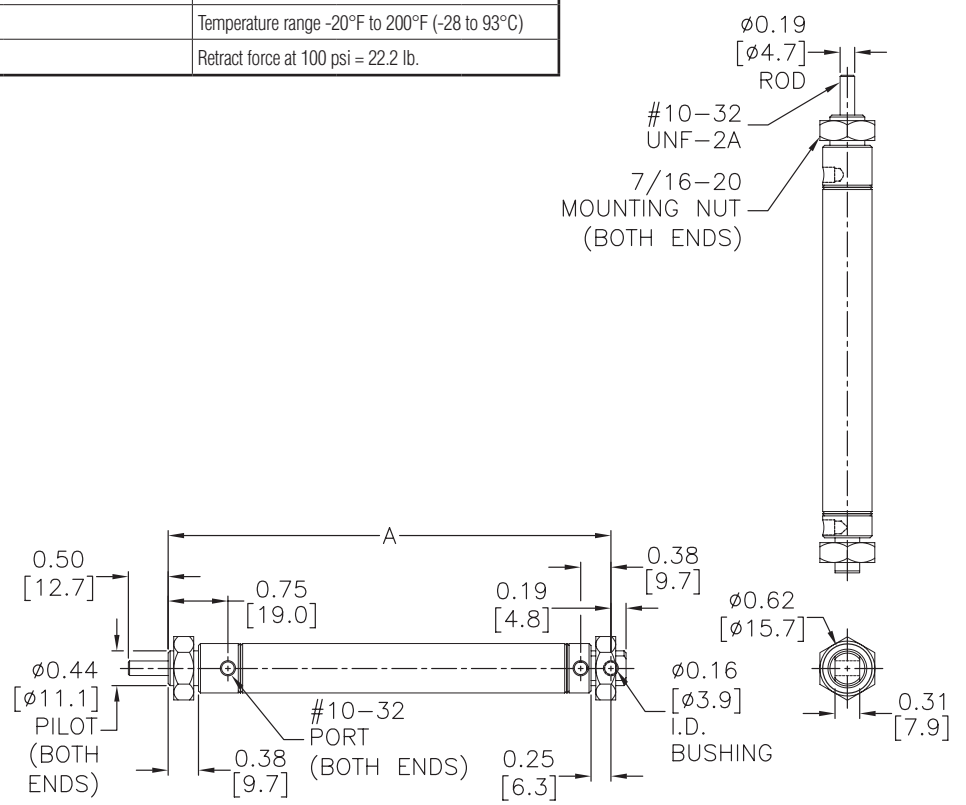
**** (2) Nuts included with cylinder***

Cylinder rod clevis ARC-10-32

See end of 9/16" bore section for Accessories

Dimensions

inches [mm]



3/4 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V12020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
3/4 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Front nose mount.

Cylinder, 3/4 in bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V12005SN	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	–	–

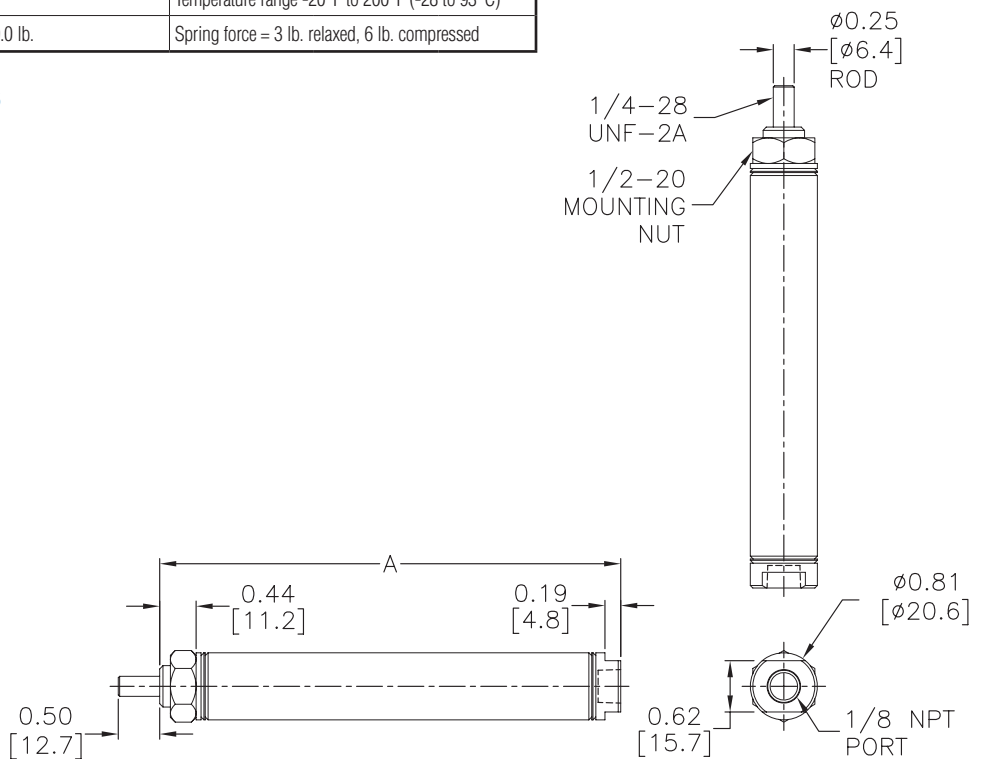
**** (1) Nut included with cylinder***

Cylinder rod clevis ARC-14-28

See end of 3/4" bore section for Accessories

Dimensions

inches [mm]



3/4 in. Bore, Single-acting, Spring Return, Rear Pivot Mount



Part no. V12020SP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
3/4 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Rear pivot mount (pivot pin included).

Cylinder, 3/4 in bore, single acting, spring return, rear pivot mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V12005SP	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

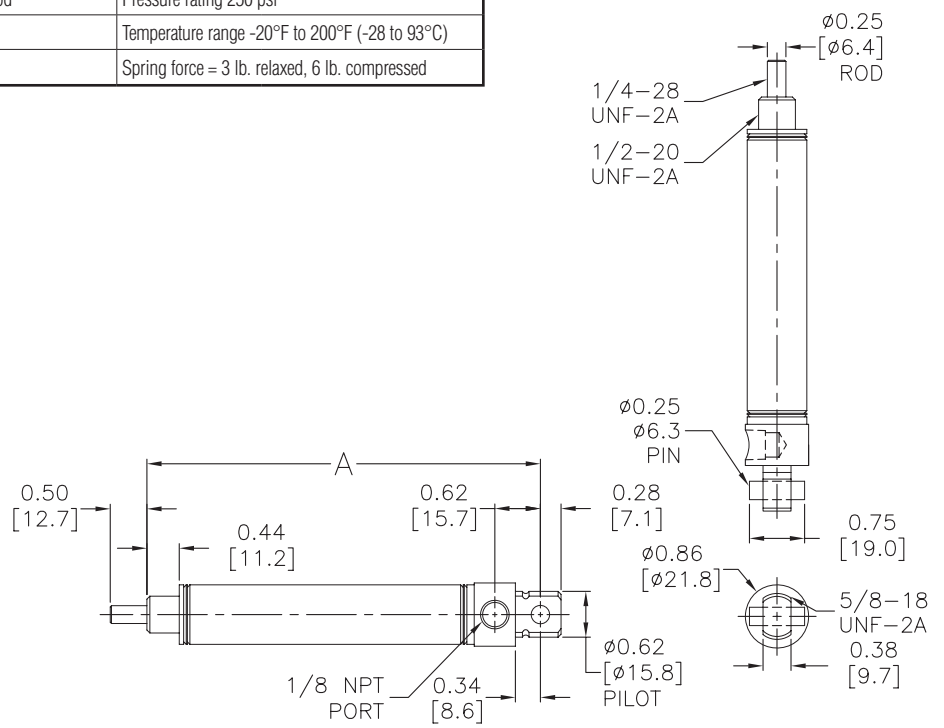
Cylinder rod clevis ARC-14-28

See end of 3/4" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



3/4 in. Bore, Double-acting, Front Nose Mount



Part no. V12020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
3/4 inch bore;
1/8 NPT ports;
Double acting;
Front nose mount.

Cylinder, 3/4 in bore, double acting, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V12005DN	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

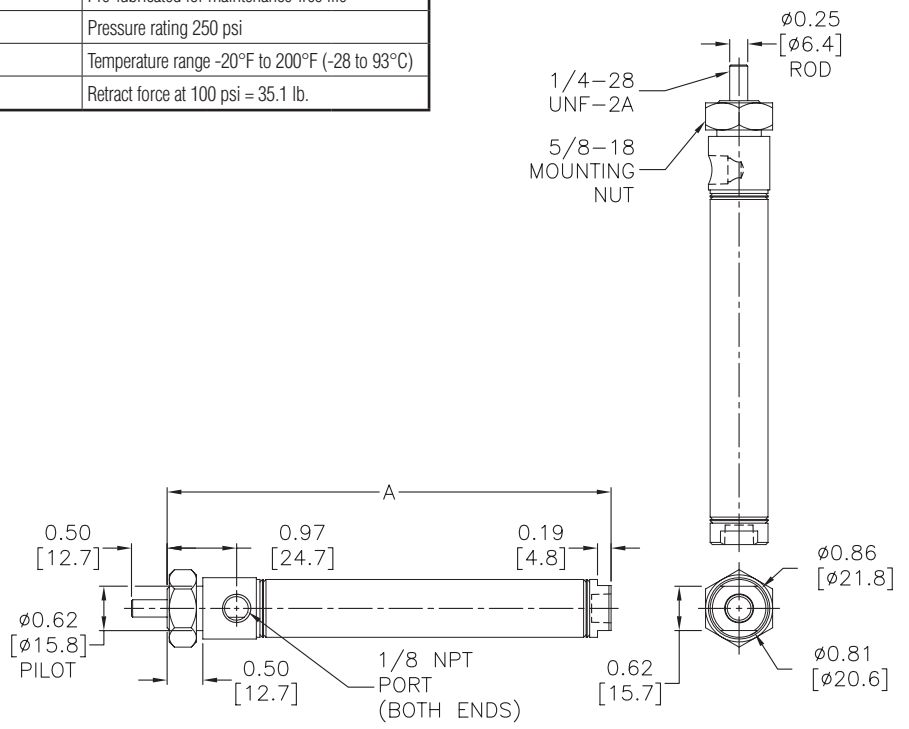
Specifications	
304 SS cylinder body	0.40 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High-strength carbon-steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 40.0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

inches [mm]



3/4 in. Bore, Double-acting, Rear Pivot Mount



Part no. V12020DP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
3/4 inch bore;
1/8 NPT ports;
Double acting;
Rear pivot mount (pivot pin included).

Cylinder, 3/4 in bore, double acting, rear pivot mount			
Part Number	**Stroke Length (in.)**	**"A" (in)**	**Weight (lbs)**
V12005DP	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-2	–
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

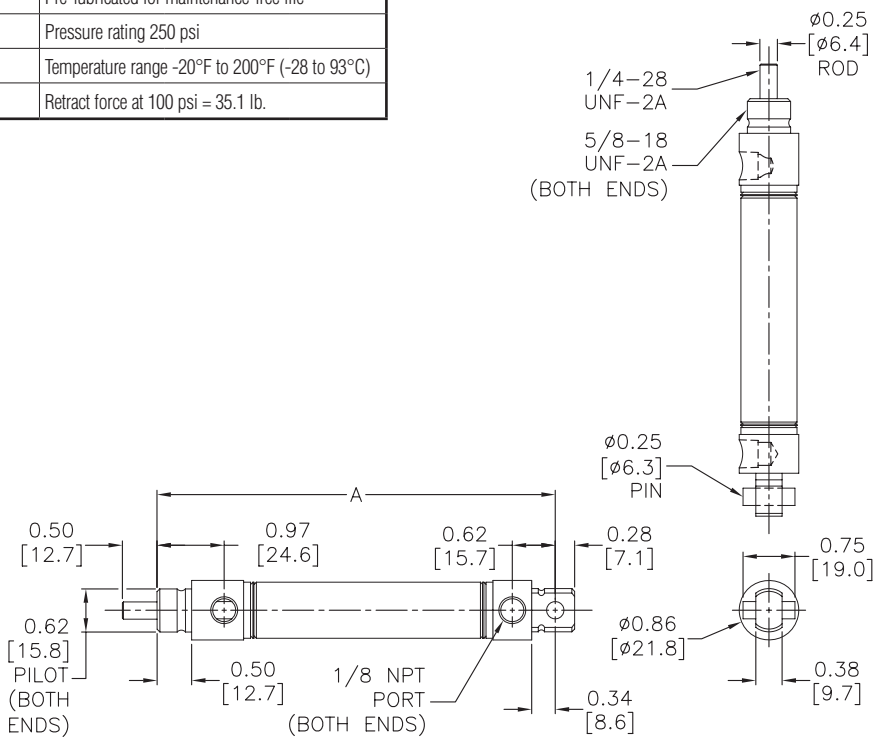
Cylinder rod clevis ARC-14-28

See end of 3/4" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



3/4 in. Bore, Double-acting, Rear Pivot Mount, Magnetic Piston



Part no. V12020DP-M

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
3/4 inch bore;
1/8 NPT ports;
Double acting;
Rear pivot mount (pivot pin included);
Magnetic piston.

Cylinder, 3/4 in bore, double acting, rear pivot mount, Magnetic Piston			
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	0.6

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-2	–
Double End Mount	Front	AMB-6	AN-58-18
	Rear	AMB-6	AN-58-18

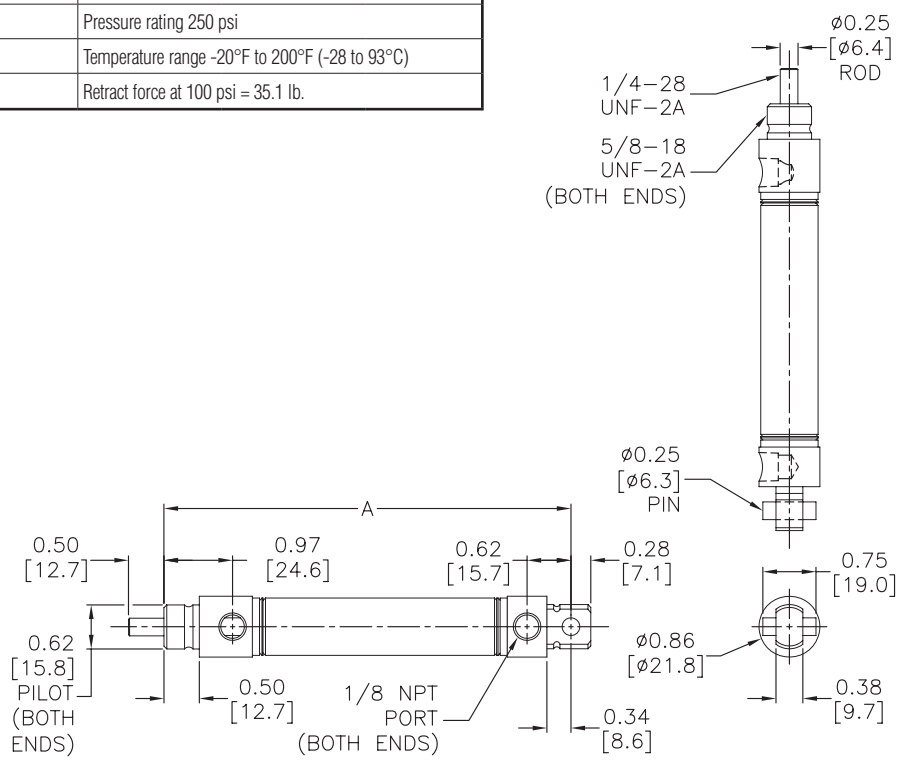
Cylinder rod clevis ARC-14-28

See end of 3/4" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



7/8 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V14020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/8 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Front nose mount.

Cylinder, 7/8 in. bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V14010SN	1.0	3.40	0.3
V14020SN	2.0	4.96	0.4
V14030SN	3.0	6.52	0.4

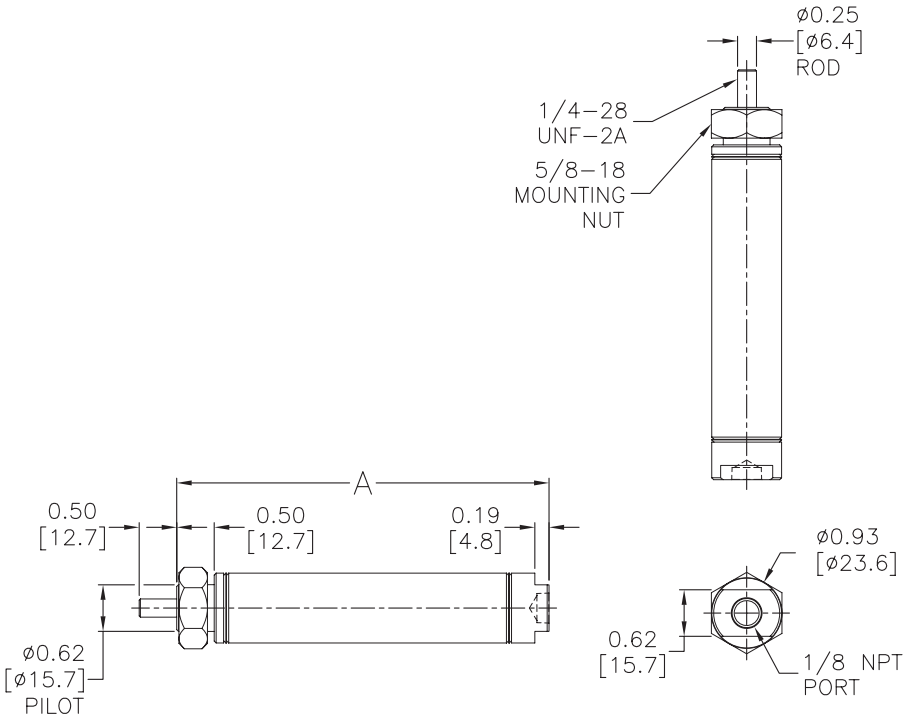
Specifications	
304 SS cylinder body	0.60 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High strength carbon steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 60.0 lb.	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-14-28
See end of 7/8" bore section for Accessories

Dimensions

inches [mm]



7/8 in. Bore, Single-acting, Spring Return, Rear Pivot Mount



Part no. V14020SP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/8 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Rear pivot mount (pivot pin included).

Cylinder, 7/8 in bore, single acting, spring return, rear pivot mount			
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
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.		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

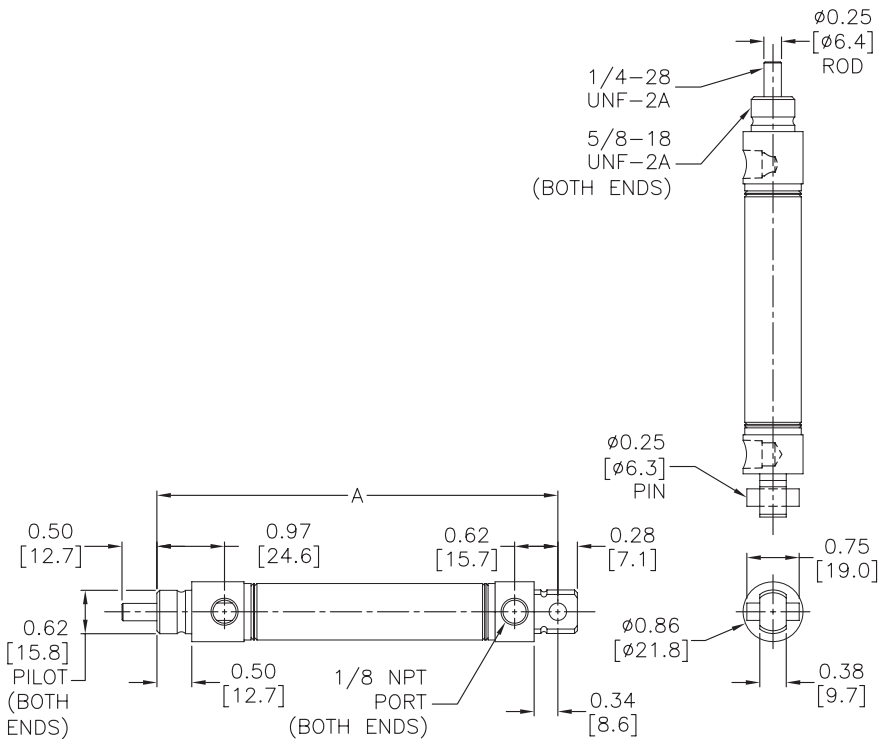
Cylinder rod clevis ARC-14-28

See end of 7/8" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



7/8 in. Bore, Double-acting, Front Nose Mount



Part no. V14020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/8 inch bore;
1/8 NPT ports;
Double acting;
Front nose mount.

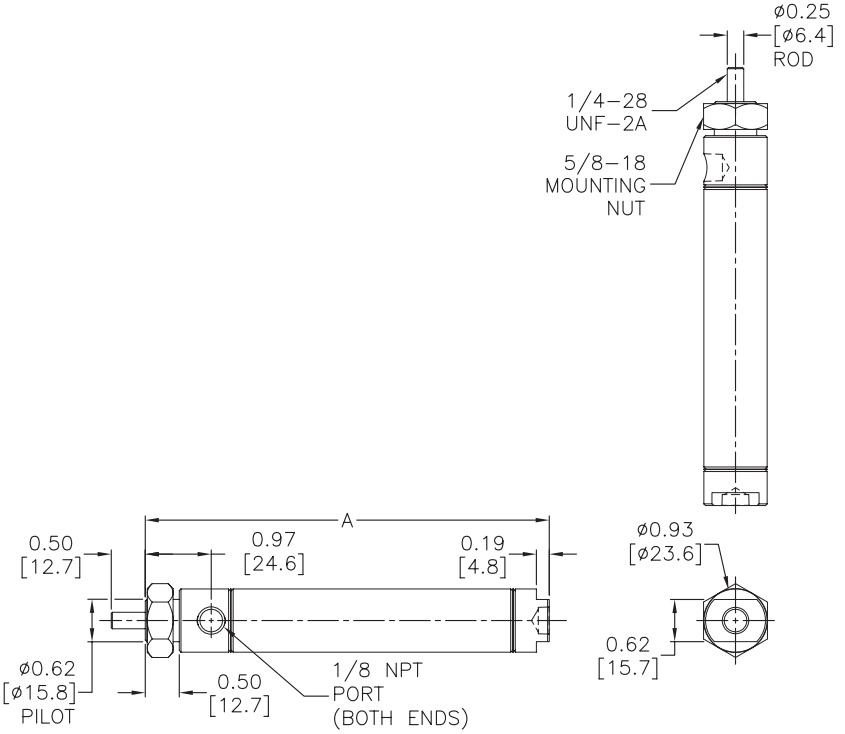
Cylinder, 7/8 in bore, double acting, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V14010DN	1.0	3.94	0.3
V14020DN	2.0	4.94	0.3
V14030DN	3.0	5.94	0.3
V14040DN	4.0	6.94	0.4
Specifications			
304 SS cylinder body		0.60 sq. in. piston area	
High strength aluminum 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

inches [mm]



7/8 in. Bore, Double-acting, Double End Mount



Part no. V14020DD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/8 inch bore;
1/8 NPT ports;
Double acting;
Double end mount.

Cylinder, 7/8 in bore, double acting, double end mount			
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*

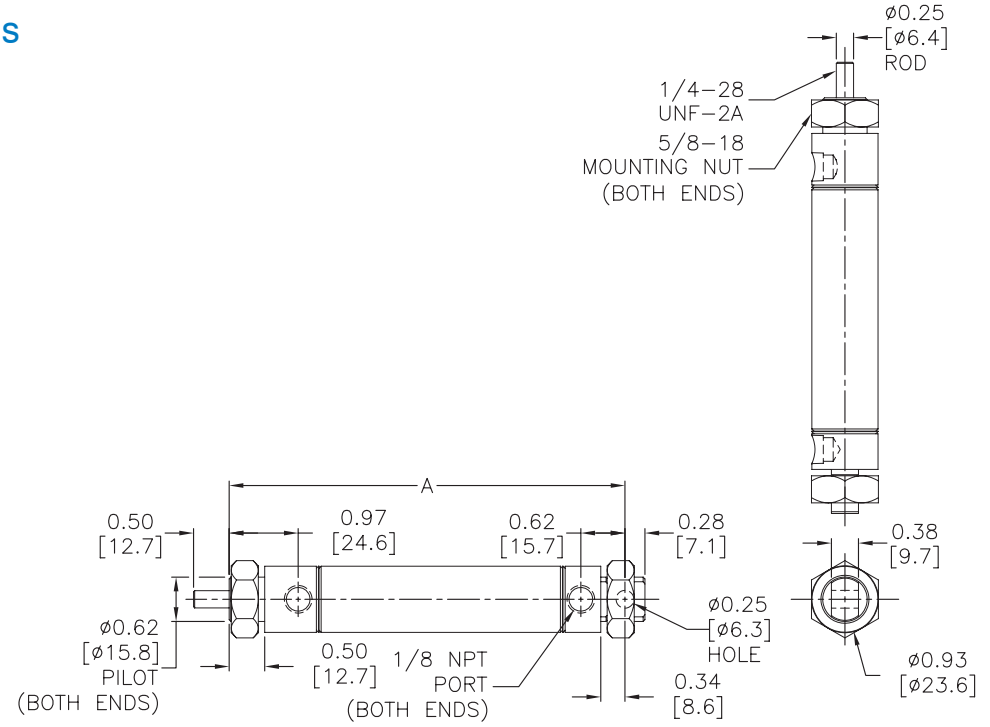
**** (2) Nut included with cylinder***

Cylinder rod clevis ARC-14-28

See end of 7/8" bore section for Accessories

Dimensions

inches [mm]



7/8 in. Bore, Double-acting, Double end Mount, Magnetic Piston



Part no. V14020DD-M

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
7/8 inch bore;
1/8 NPT ports;
Double acting;
Double end mount;
Magnetic piston.

Cylinder, 7/8 in bore, double acting, double end mount, magnetic piston			
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
V14040DD-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*

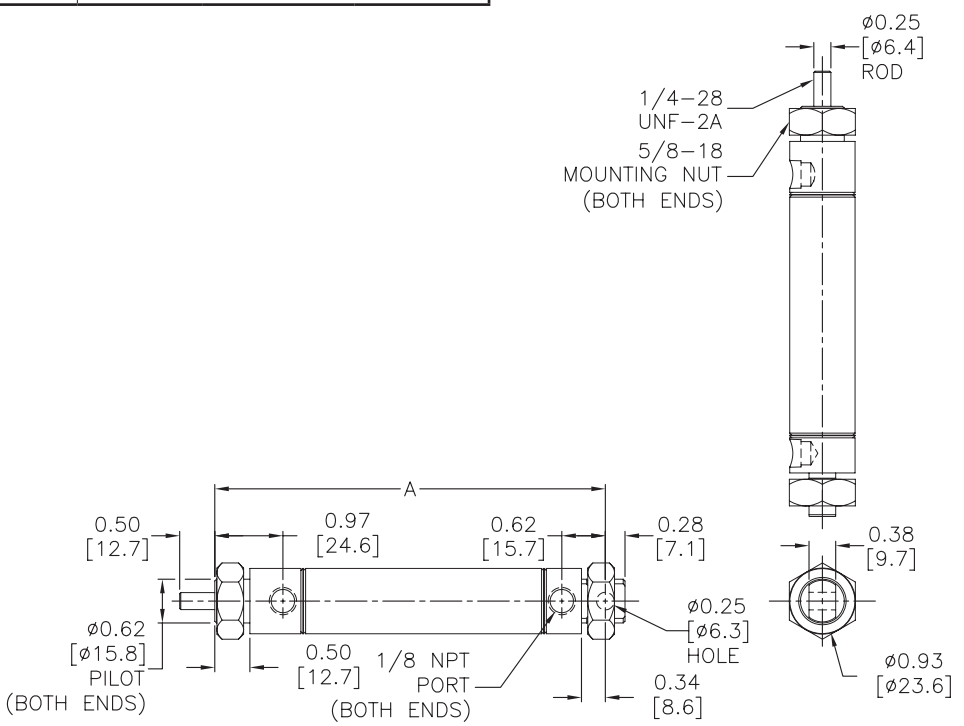
(2) Nuts included with cylinder

Cylinder rod clevis ARC-14-28

See end of 7/8" bore section for Accessories

Dimensions

inches [mm]



1-1/16 in. Bore, Single-Acting, Spring Return, Front Nose Mount



Part no. V17020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/16 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Front nose mount.

Cylinder, 1-1/16 in bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in)***	***"A" (in)***	***Weight (lbs)***
V17010SN	1.0	3.50	0.3
V17020SN	2.0	5.06	0.5
V17030SN	3.0	6.62	0.6

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.	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	–	–

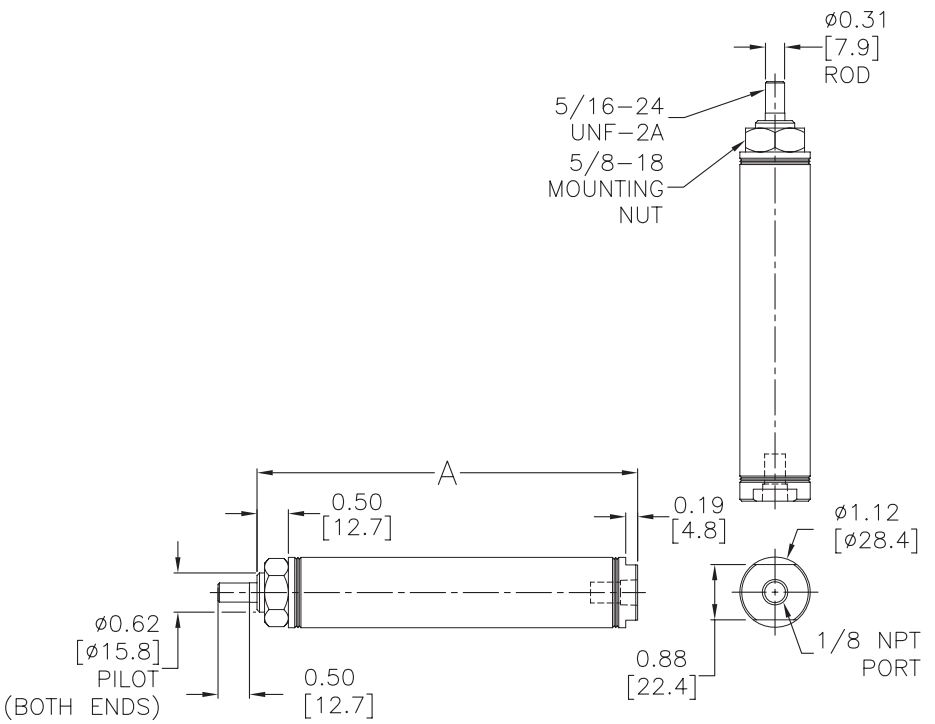
**** (1) Nut included with cylinder***

Cylinder rod clevis ARC-516-24

See end of 1-1/16" bore section for Accessories

Dimensions

inches [mm]



1-1/16 in. Bore, Single-acting, Spring Return, Rear Pivot Mount



Part no. V17020SP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/16 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Rear pivot mount (pivot pin included).

Cylinder, 1-1/16 in bore, single acting, spring return, rear pivot mount			
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

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.	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

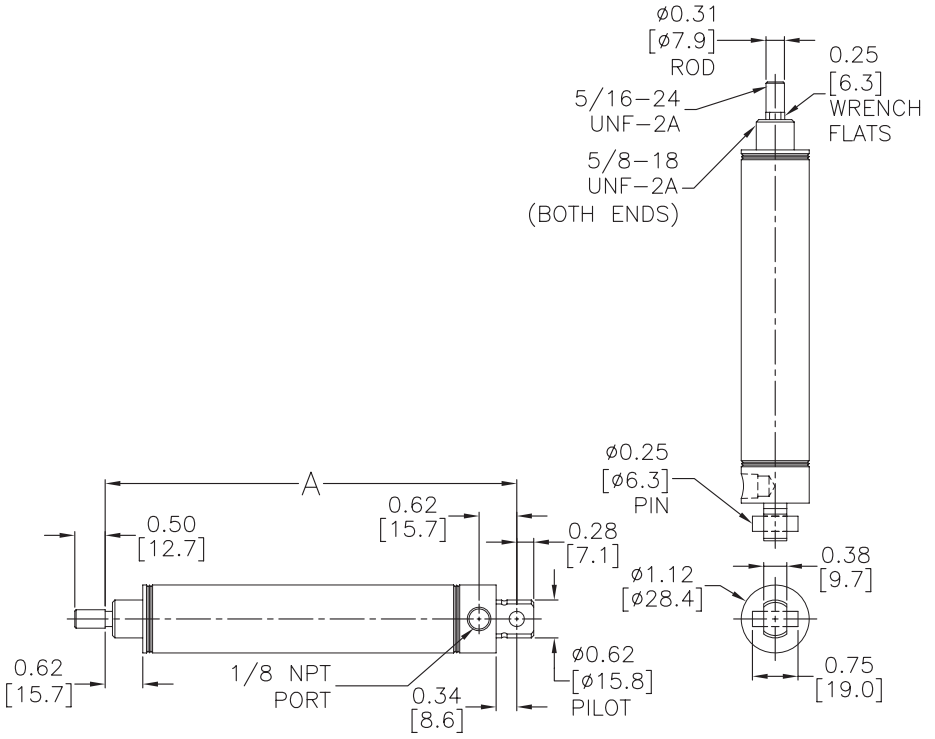
Cylinder rod clevis ARC-516-24

See end of 1-1/16" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



1-1/16 in. Bore, Double-acting, Front Nose Mount



Part no. V17020DN

Stainless steel round body;
Interchangeable;
1-1/16 inch bore;
1/8 NPT ports;
Double acting;
Front nose mount.

Cylinder, 1-1/16 in bore, double acting, front nose mount				
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***	***Price***
V17005DN	0.5	3.62	0.4	$19.50
V17010DN	1.0	4.12	0.4	$20.00
V17020DN	2.0	5.12	0.4	$21.50
V17030DN	3.0	6.12	0.5	$23.50
V17040DN	4.0	7.12	0.5	$24.50
V17050DN	5.0	8.12	0.6	$26.50
V17060DN	6.0	9.12	0.6	$28.00
V17080DN	8.0	11.12	0.7	$32.50
V17100DN	10.0	13.12	0.8	$35.00
V17120DN	12.0	15.12	0.9	$38.50

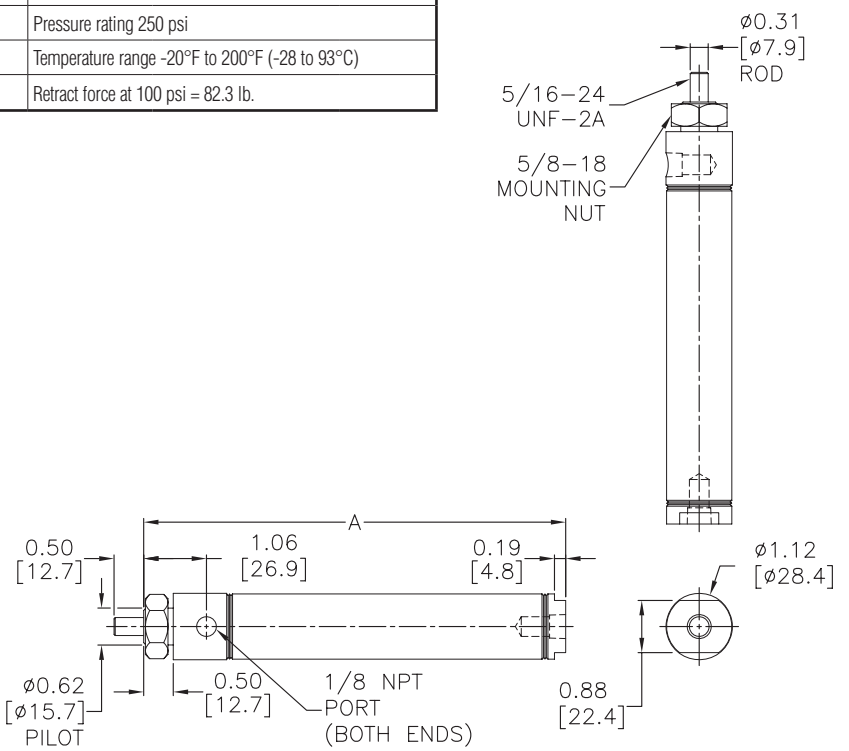
Specifications	
304 SS cylinder body	0.90 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High Strength carbon steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 90.0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

inches [mm]



1-1/16 in. Bore, Double-acting, Rear Pivot Mount



Part no. V17020DP

Stainless steel round body;
Interchangeable;
1-1/16 inch bore;
1/8 NPT ports;
Double acting;
Rear pivot mount (pivot pin included).

Cylinder, 1-1/16 in bore, double acting, rear pivot mount			
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
V17100DP	10.0	13.84	0.8
V17120DP	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

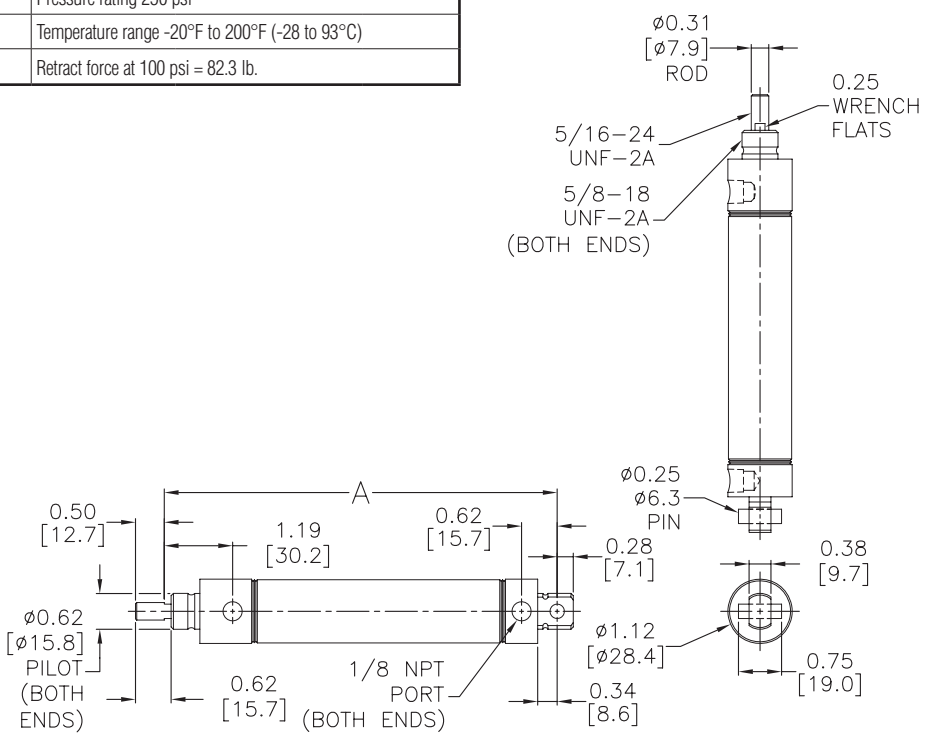
Cylinder rod clevis ARC-516-24

See end of 1-1/16" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



1-1/16 in. Bore, Double-acting, Rear Pivot Mount, Magnetic Piston



Part no. V17020DP-M

Stainless steel round body,
Interchangeable;
1-1/16 inch bore;
1/8 NPT ports;
Double acting;
Rear pivot mount;
Magnetic piston (pivot pin included).

Cylinder, 1-1/16 in bore, double acting, rear pivot mount, magnetic piston			
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
V17100DP-M	10.0	13.84	0.8
V17120DP-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

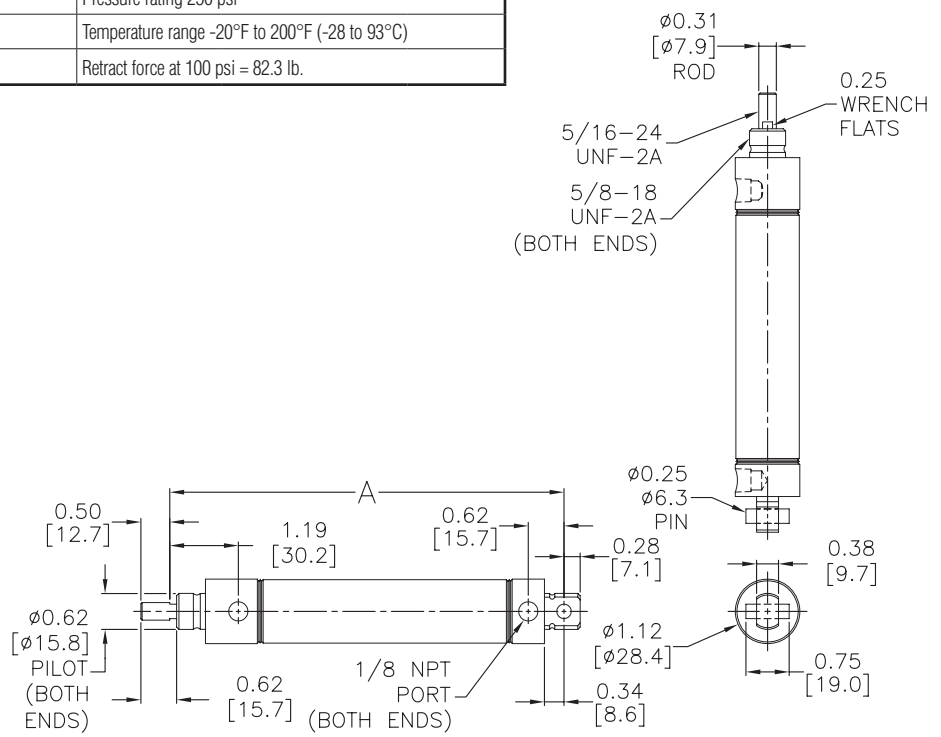
Cylinder rod clevis ARC-516-24

See end of 1-1/16" bore section for Accessories

Note: Drive pin out for double end mounting

Dimensions

inches [mm]



1-1/4 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V20020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/4 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Front nose mount.

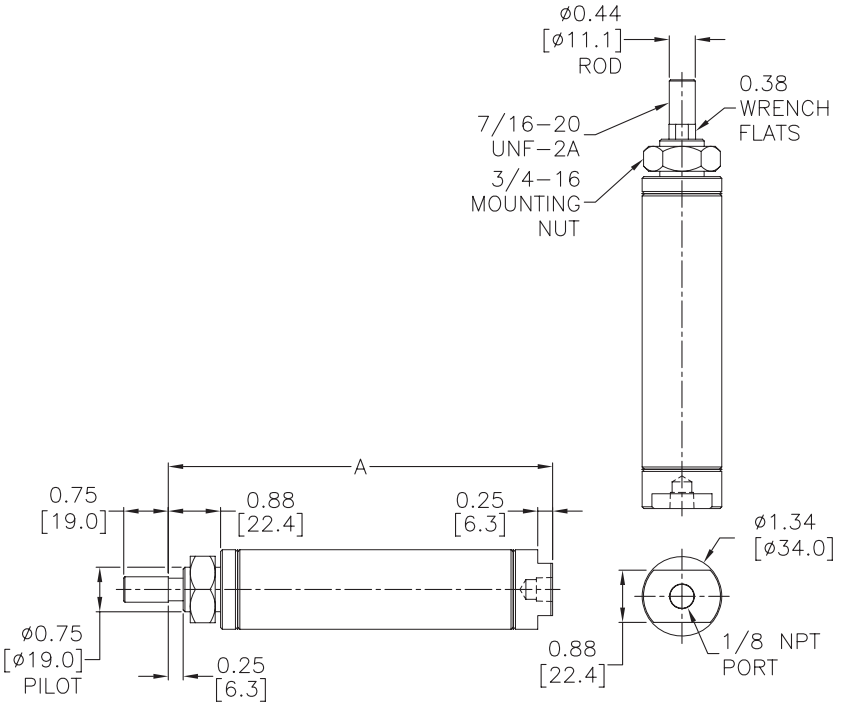
Cylinder, 1-1/4 in bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V20010SN	1.0	4.47	0.6
V20020SN	2.0	6.28	0.8
V20030SN	3.0	8.09	1.0
Specifications			
304 SS cylinder body		1.2 sq. in. piston area	
High strength aluminum 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.		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

inches [mm]



1-1/4 in. Bore, Single-acting, Spring Return, Double End Mount



Part no. V20020SD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/4 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Double end mount.

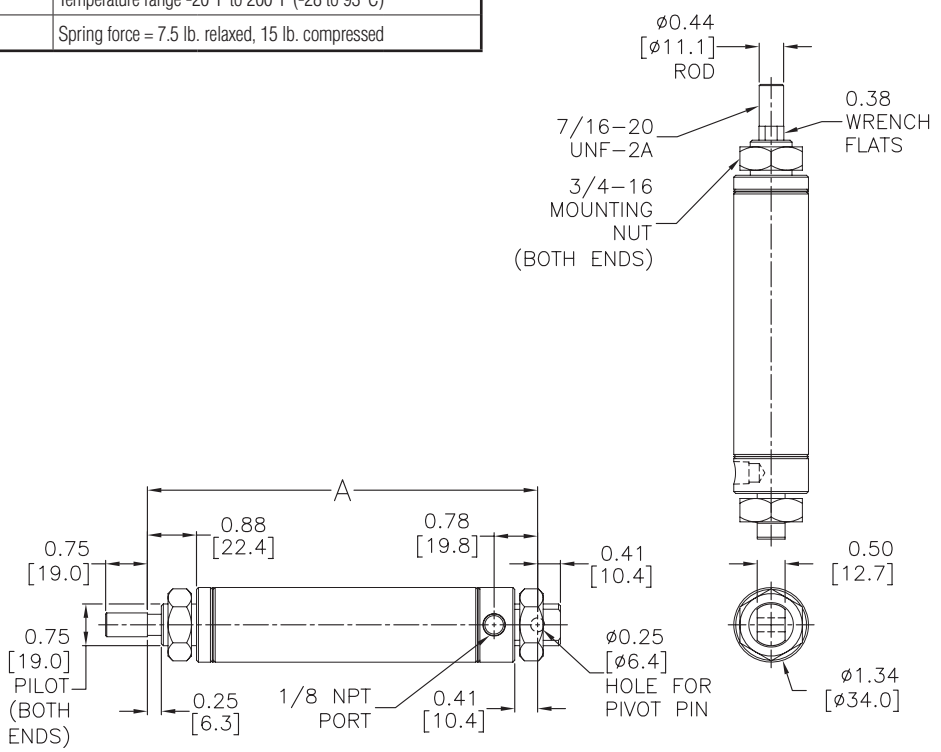
Cylinder, 1-1/4 in bore, single acting, spring return, double end mount			
Part Number	***Stroke Length (in)***	***"A" (in)***	***Weight (lbs)***
V20010SD	1.0	5.19	0.7
V20020SD	2.0	7.00	1.0
V20030SD	3.0	8.81	1.2
Specifications			
304 SS cylinder body		1.2 sq. in. piston area	
High strength aluminum end 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.		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) Nuts included with cylinder***
Cylinder rod clevis ARC-716-20
See end of 1-1/4" bore section for Accessories

Dimensions

inches [mm]



1-1/4 in. Bore, Double-acting, Front Nose Mount



Part no. V20020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/4 inch bore;
1/8 NPT ports;
Double acting;
Front nose mount.

Cylinder, 1-1/4 in bore, double acting, front nose mount			
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	10.0	1.1
V20080DN	8.0	12.0	1.2

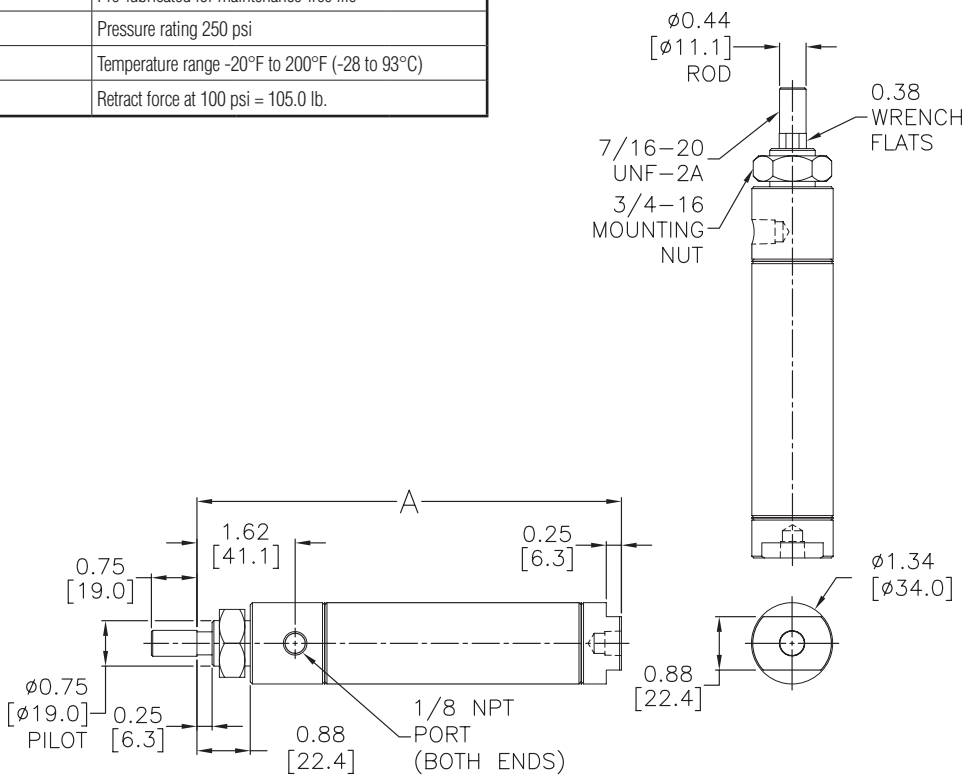
Specifications	
304 SS cylinder body	1.2 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High strength carbon steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 120.0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

inches [mm]



1-1/4 in. Bore, Double-acting, Double End Mount



Part no. V20020DD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/4 inch bore;
1/8 NPT ports;
Double acting;
Double end mount.

Cylinder, 1-1/4 in bore, double acting, double end mount			
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

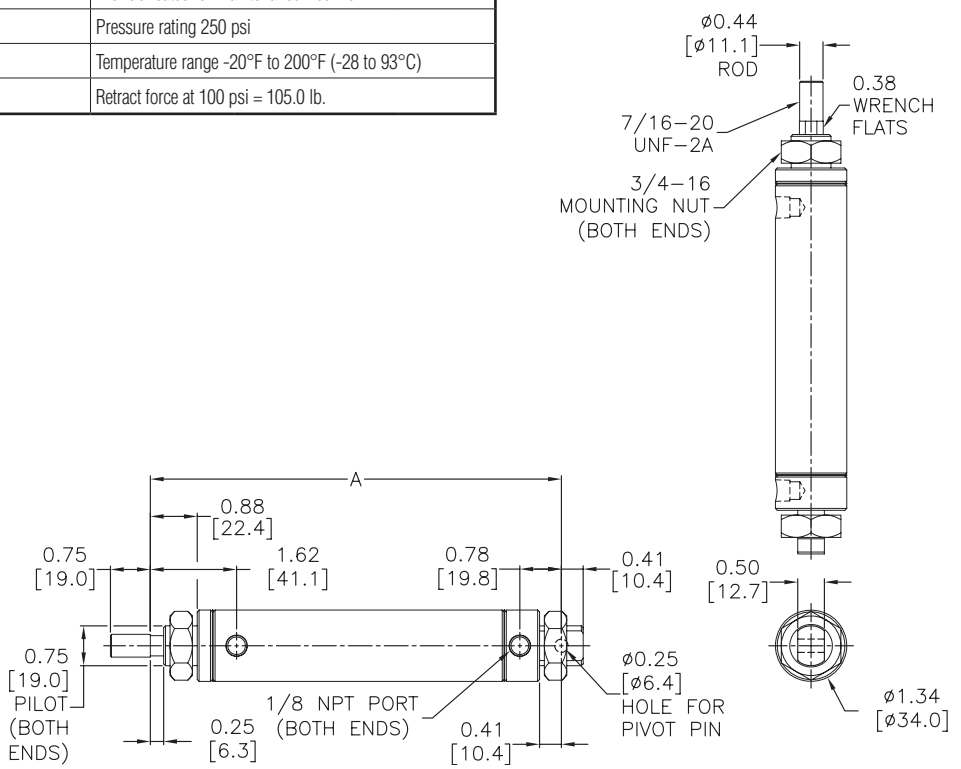
Specifications	
304 SS cylinder body	1.2 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High strength carbon steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 120.0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

inches [mm]



1-1/4 in. Bore, Double-acting, Double End Mount, Magnetic Piston



Part no. V20020DD-M

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/4 inch bore;
1/8 NPT ports;
Double acting;
Double end mount;
Magnetic piston.

Cylinder, 1-1/4 in bore, double acting, double end mount, magnetic piston			
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

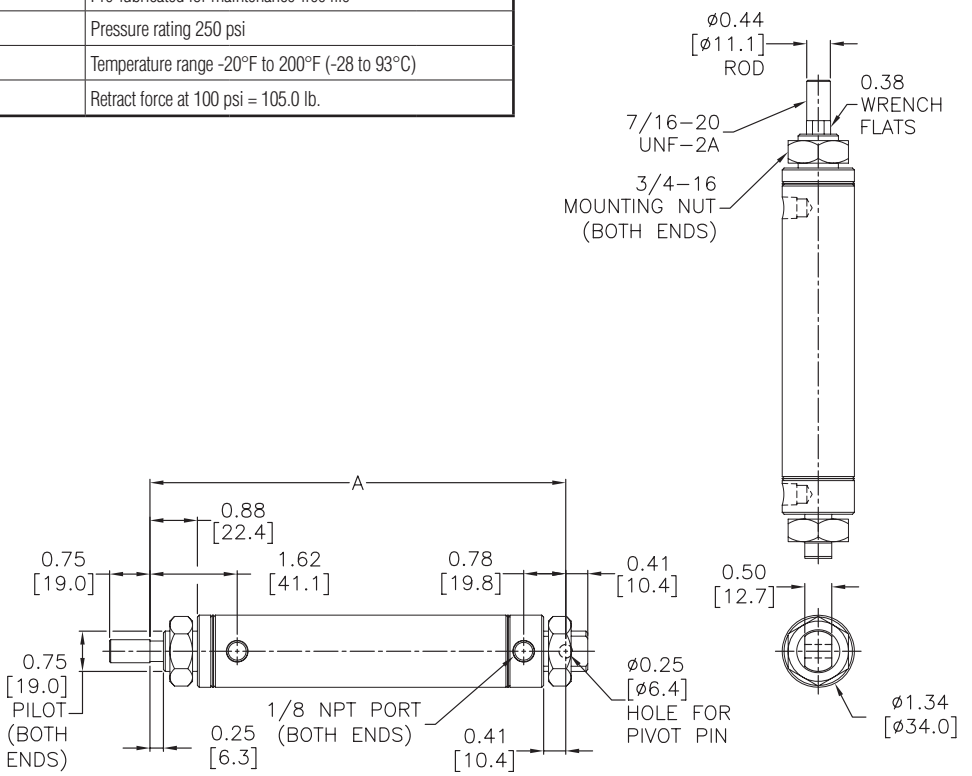
Specifications	
304 SS cylinder body	1.2 sq. in. piston area
High strength aluminum end caps	Pre-lubricated for maintenance-free life
High strength carbon steel piston rod	Pressure rating 250 psi
Low friction Buna-N seals	Temperature range -20°F to 200°F (-28 to 93°C)
Extend force at 100 psi = 120.0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

inches [mm]



1-1/2 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V24020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/2 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Front nose mount.

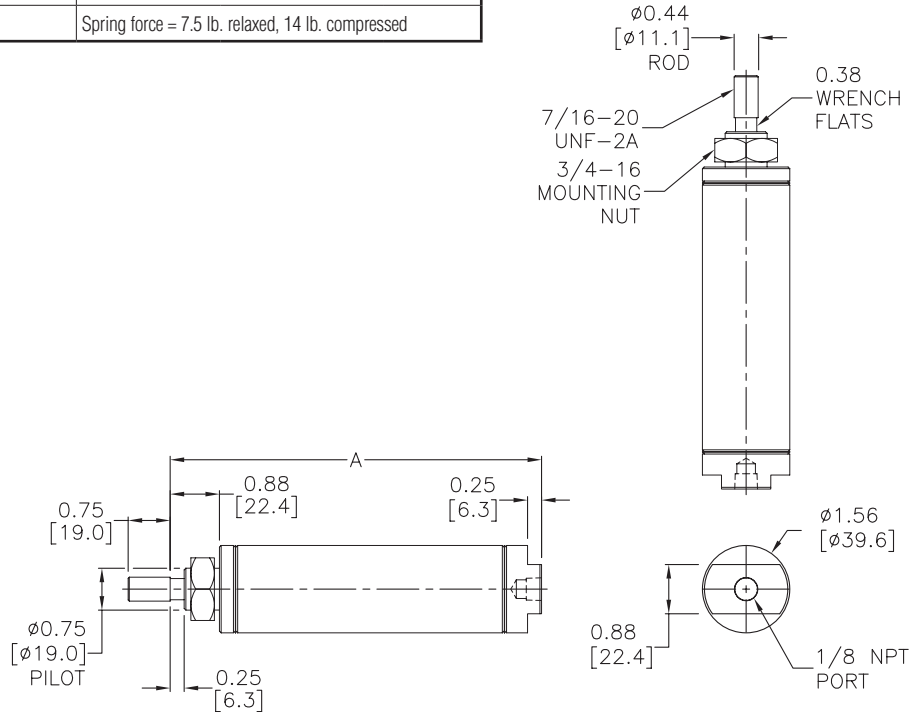
Cylinder, 1-1/2 in bore, single acting, spring return, front nose mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V24010SN	1.0	4.13	0.7
V24020SN	2.0	5.82	0.9
V24030SN	3.0	7.51	1.1
V24040SN	4.0	9.20	1.3
V24050SN	5.0	10.89	1.5
V24060SN	6.0	12.58	1.8
Specifications			
304 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

inches [mm]



1-1/2 in. Bore, Single-acting, Spring Return, Rear Pivot Mount



Part no. V24020SP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/2 inch bore;
1/8 NPT port;
Single acting;
Spring return;
Rear pivot mount (pivot pin included).
Cylinder cannot be double end mounted.

Cylinder, 1-1/2 in bore, single acting, spring return, rear pivot mount			
Part Number	***Stroke Length (in.)***	***"A" (in)***	***Weight (lbs)***
V24010SP	1.0	4.81	0.7
V24020SP	2.0	6.50	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

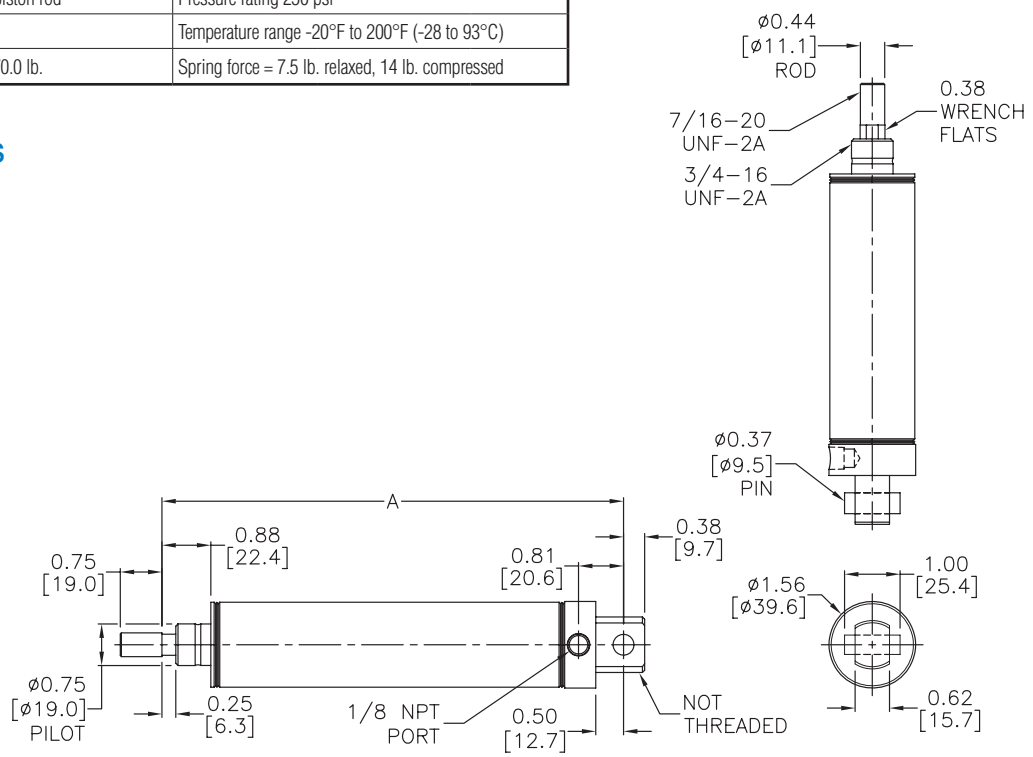
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	–
Double End Mount	Front	–	–
	Rear	–	–

Cylinder rod clevis ARC-716-20

See end of 1-1/2" bore section for Accessories

Dimensions

inches [mm]



1-1/2 in. Bore, Double-acting, Front Nose Mount



Part no. V24020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/2 inch bore;
1/8 NPT ports;
Double acting;
Front nose mount.

Cylinder, 1-1/2 in bore, double acting, front nose mount			
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	–	–

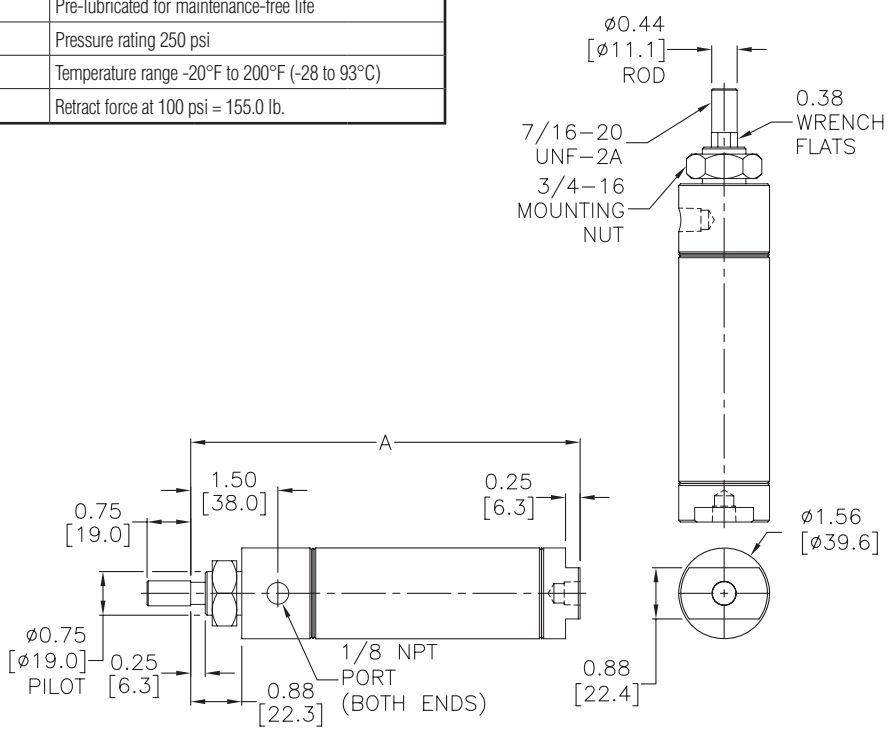
**** (1) Nut included with cylinder***

Cylinder rod clevis ARC-716-20

See end of 1-1/2" bore section for Accessories

Dimensions

inches [mm]



1-1/2 in. Bore, Double-acting, Rear Pivot Mount



Part no. V24020DP

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/2 inch bore;
1/8 NPT ports;
Double acting;
Rear pivot mount (pivot pin included).
Cylinder cannot be double end mounted.

Cylinder, 1-1/2 in bore, double acting, rear pivot mount			
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.

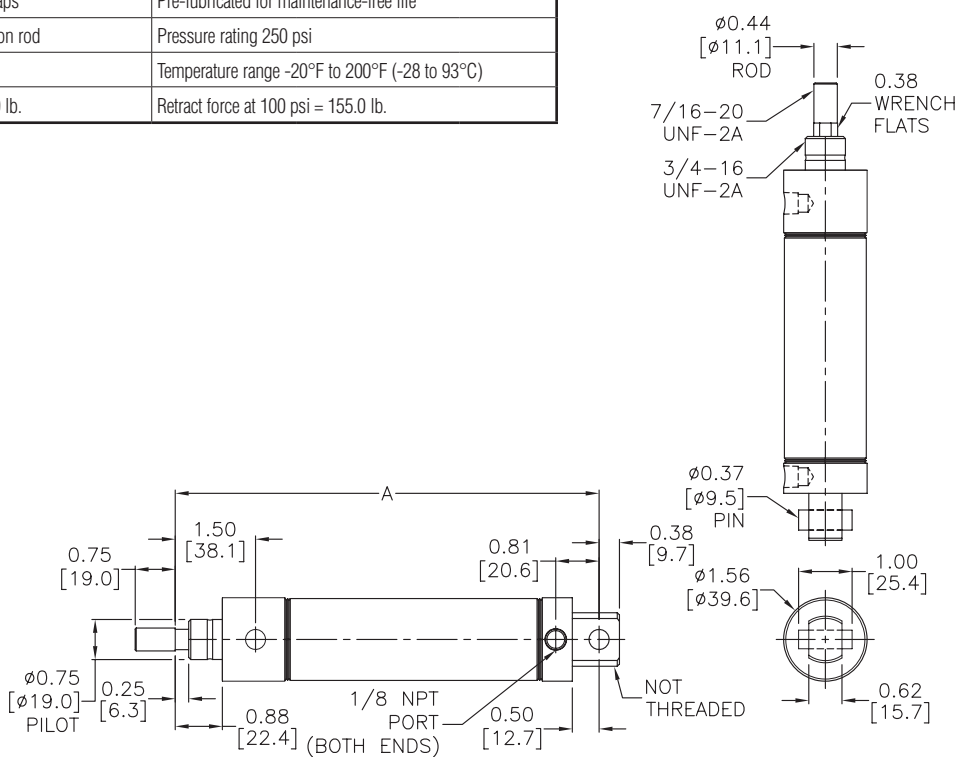
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	–
Double End Mount	Front	–	–
	Rear	–	–

Cylinder rod clevis ARC-716-20

See end of 1-1/2" bore section for Accessories

Dimensions

inches [mm]



1-1/2 in. Bore, Double-acting, Rear Pivot Mount, Magnetic Piston



Part no. V24020DP-M

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
1-1/2 inch bore;
1/8 NPT ports;
double acting;
Rear pivot mount;
Magnetic piston (pivot pin included).
Cylinder cannot be double end mounted.

Cylinder, 1-1/2 in bore, double acting, rear pivot mount, magnetic piston			
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.

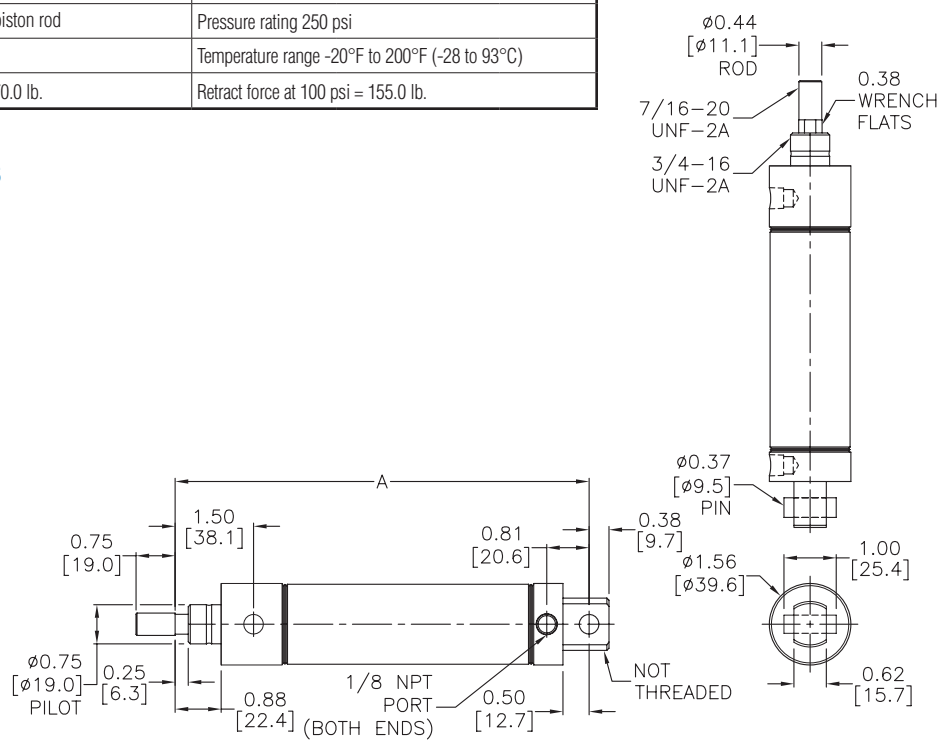
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-7	AN-34-16
Rear Pivot Mount		APB-3	–
Double End Mount	Front	–	–
	Rear	–	–

Cylinder rod clevis ARC-716-20

See end of 1-1/2" bore section for Accessories

Dimensions

inches [mm]



2 in. Bore, Single-acting, Spring Return, Front Nose Mount



Part no. V32020SN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
2 inch bore;
1/4 NPT port;
Single acting;
Spring return;
Front nose mount.

Cylinder, 2 in bore, single acting, spring return, front nose mount			
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	

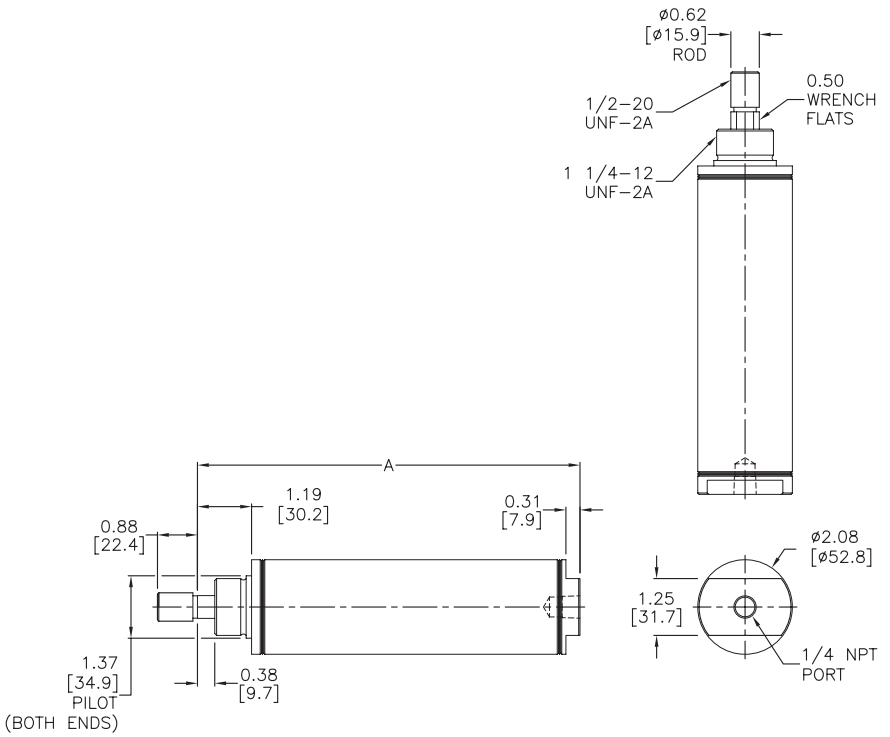
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		–	–
Double End Mount	Front	–	–
	Rear	–	–

Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories

Dimensions

inches [mm]



2 in. Bore, Single-acting, Spring Return, Double End Mount



Part no. V32020SD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
2 inch bore;
1/4 NPT port;
Single acting;
Spring return;
Double end mount.

Cylinder, 2 in bore, single acting, spring return, double end mount			
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	

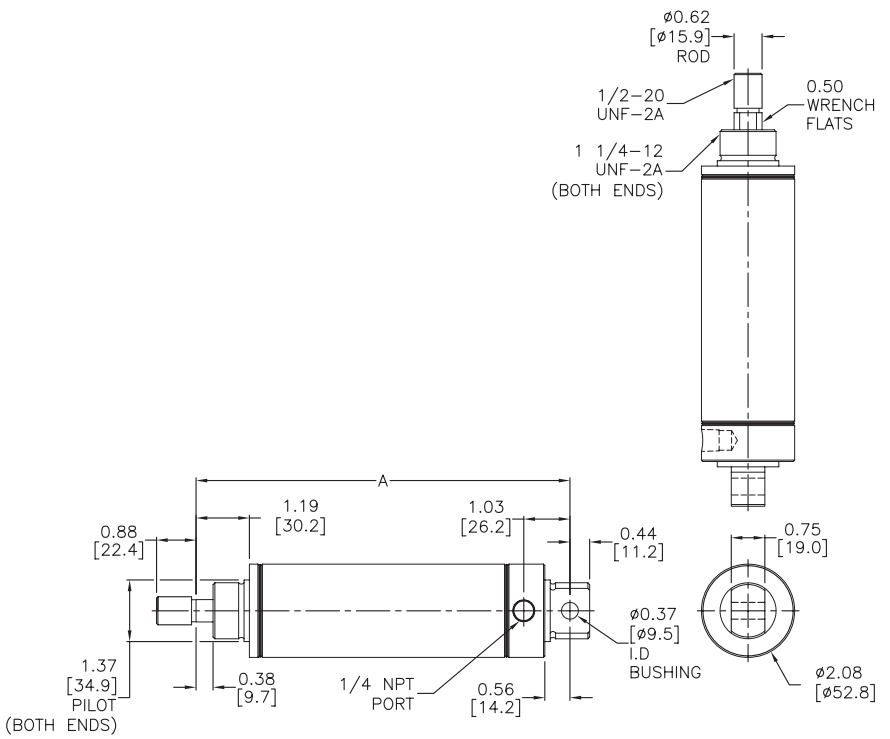
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		APBP-5	–
Double End Mount	Front	AMB-11	AN-114-12
	Rear	AMB-11	AN-114-12

Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories

Dimensions

inches [mm]



2 in. Bore, Double-acting, Front Nose Mount



Part no. V32020DN

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
2 inch bore;
1/4 NPT ports;
Double acting;
Front nose mount.

Cylinder, 2 in bore, double acting, front nose mount			
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.	

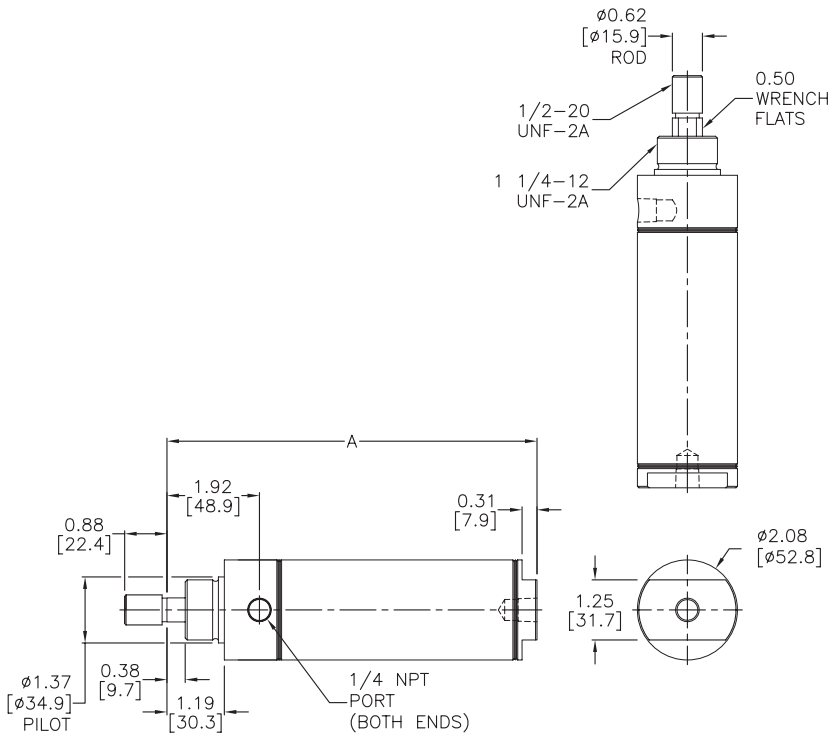
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		–	–
Double End Mount	Front	–	–
	Rear	–	–

Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories

Dimensions

inches [mm]



2 in. Bore, Double-acting, Double End Mount



Part no. V32020DD

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
2 inch bore;
1/4 NPT ports;
Double acting;
Double end mount.

Cylinder, 2 in bore, double acting, double end mount			
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.

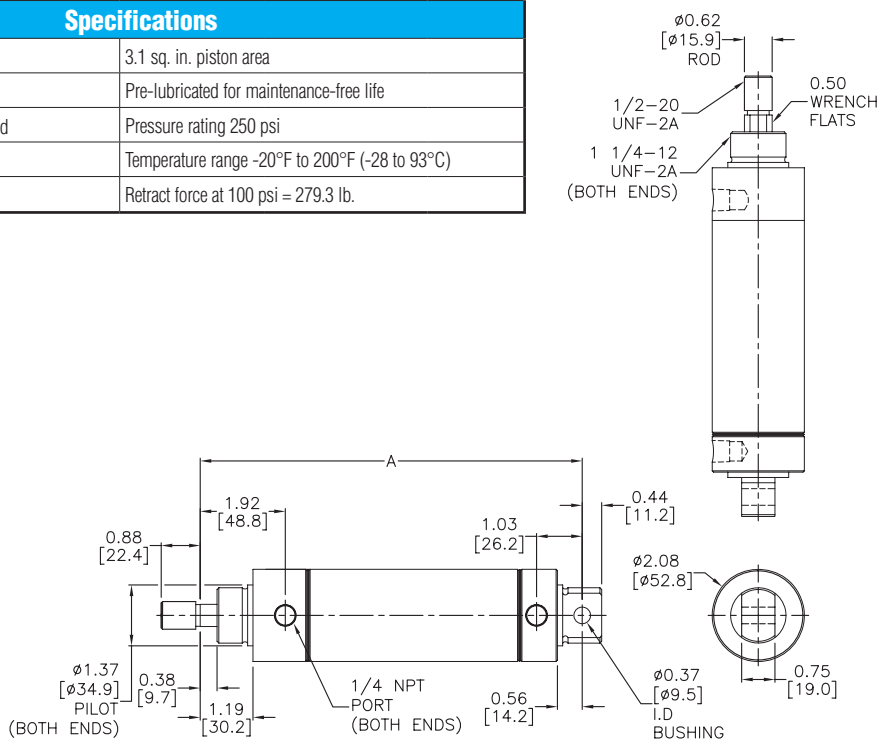
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		APBP-5	–
Double End Mount	Front	AMB-11	AN-114-12
	Rear	AMB-11	AN-114-12

Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories

Dimensions

inches [mm]



2 in. Bore, Double-acting, Double End Mount, Magnetic Piston



Part no. V32020DD-M

Stainless steel round body;
Interchangeable;
Non-repairable cylinder;
2 inch bore;
1/4 NPT ports;
Double acting;
Double end mount;
Magnetic piston.

Cylinder, 2 in bore, double acting, double end mount, magnetic piston			
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	3.10 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 lb.	Retract force at 100 psi = 279.3 lb.

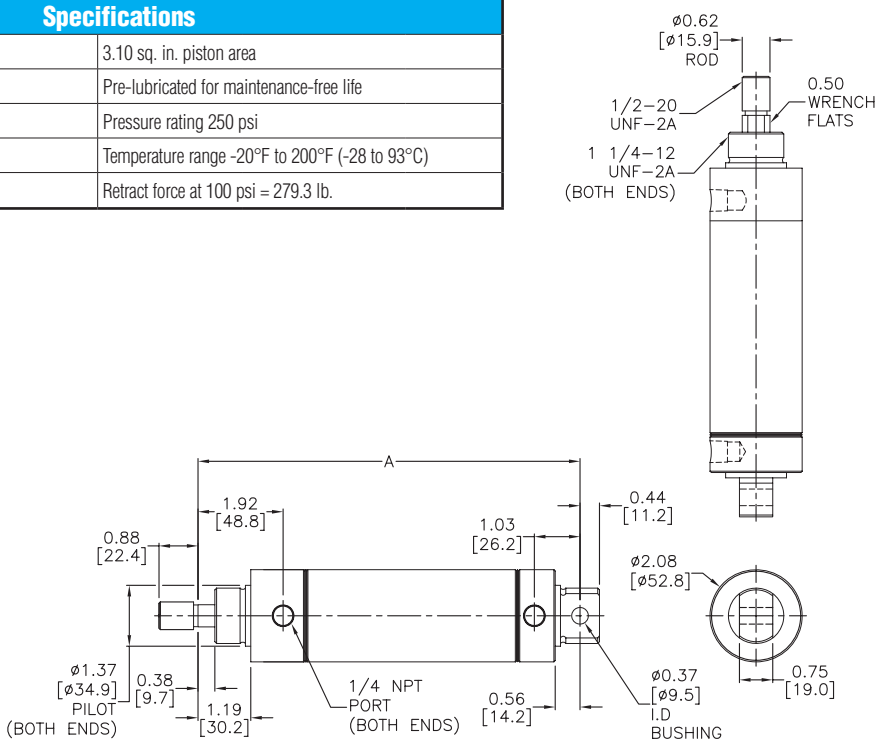
Mount Style		***Bracket***	***Nut***
Front Nose Mount		AMB-11	AN-114-12
Rear Pivot Mount		APBP-5	–
Double End Mount	Front	AMB-11	AN-114-12
	Rear	AMB-11	AN-114-12

Cylinder rod clevis ARC-12-20

See end of 2" bore section for Accessories

Dimensions

inches [mm]



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sales@vilop.us

Xingye Avenue No.1, East 3rd Road
Panyu, GZ, GD China

+86-186 2010 7348(Whatsapp)