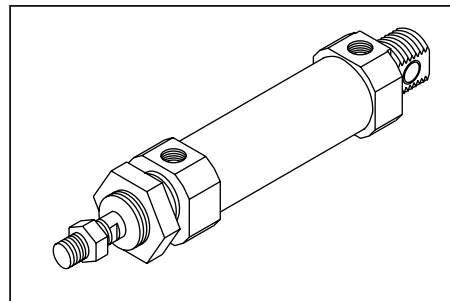


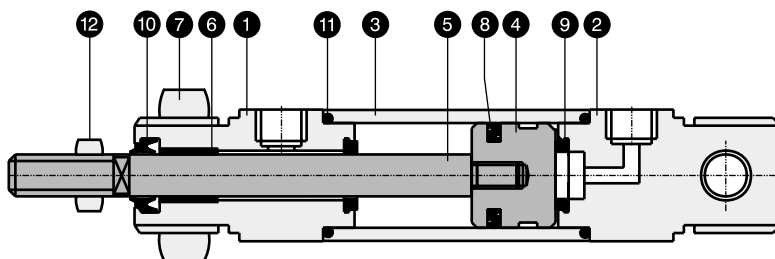
Miniature ISO Air Cylinders

- Conforming to ISO 6432.
- SS 304 piston rod as standard.
- Light weight.
- Elastic damping pads at the end positions.



PART LIST

NO.	DESCRIPTION	QTY.
1	Front cover	1
2	Rear cover with bush bearing	1
3	Tube	1
4	Piston	1
5	Piston rod	1
6	Rod bearing	1
7	Neck mounting nut	1
8	Piston seal	1
9	Damping seal	2
10	Rod cum wiper seal	1
11	"O" ring	2
12	Piston rod nut	1



Seal kit consists of item nos. 8,9,10, and 11.

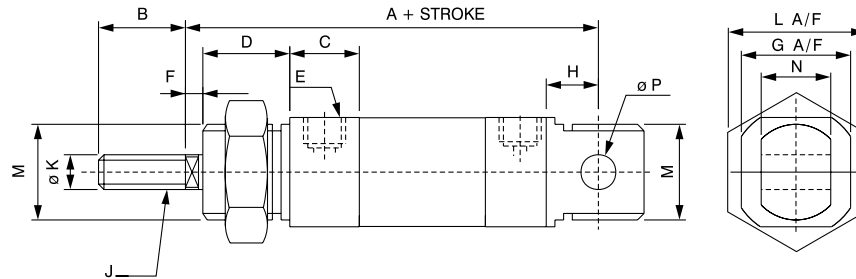
SPECIFICATIONS

Medium	Compressed air, filtered and lubricated.
Design	Piston cylinder with damping cushions at the ends.
Maximum operating pressure	10 bar
Temperature range	-10°C to +80°C
Materials	End covers : Anodized aluminium, Cylinder barrel : Hard anodized Aluminium, Piston rod : SS 304, Seals : NBR

Bore size	Stroke length min. - max.	Thrust at 7 bar (kgf)	Return force at 7 bar (kgf)	Connection	Air consumption
12	10 - 200	8	6	M5	0.02
16	10 - 200	14	12	M5	0.04
20	10 - 320	22	18	G 1/8	0.06
25	10 - 320	34	31	G 1/8	0.10

* Air consumption in litres per 25mm stroke at 7 bar.

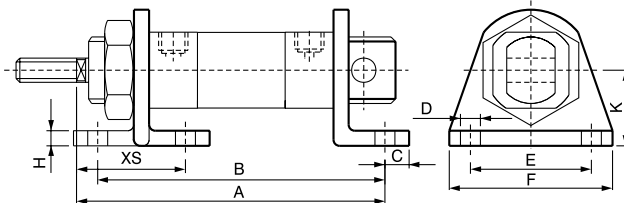
BASIC CYLINDER



Piston rod nut not shown.

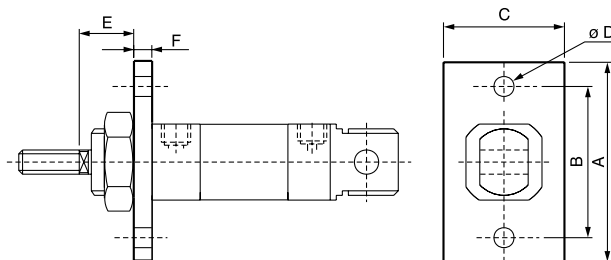
BORE SIZE	A	B	C	D	E	F	G A/F	H	J (THD)	ØK	L A/F	M (THD)	N -0.05 -0.16	ØP H9
Ø 12	75	16	12	17	M5	5	20	9	M6 X 1P	6	25	M16 X 1.5P	12	6
Ø 16	82	16	12	17	M5	5	20	9	M6 X 1P	6	25	M16 X 1.5P	12	6
Ø 20	95	20	16	20	1/8" BSP	4	25	12	M8 X 1.25P	8	32	M22 X 1.5P	16	8
Ø 25	104	22	16	21	1/8" BSP	7	32	12	M10 X 1.25P	10	32	M22 X 1.5P	16	8

LEG MOUNTING



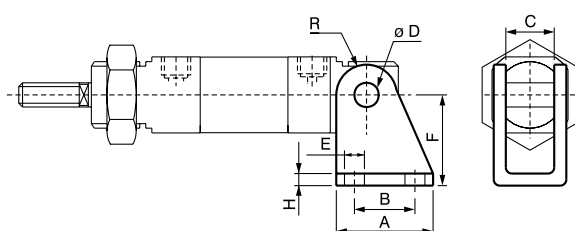
BORE SIZE	MTG Part no	A	B	C	Ø D H9	E	F	H	XS ±1.4	K
Ø 12	M121	80	72	8	5.5	32	42	4	32	20
Ø 16	M161	87	79	8	5.5	32	42	4	32	20
Ø 20	M201	102	95	8	6.6	40	54	4	36	25
Ø 25	M251	111	100	8	6.6	40	54	4	40	25

FLANGE MOUNTING



BORE SIZE	MTG. Part no.	A	B	C	Ø D H9	E ±1.4	F
Ø 12	M122	53	40	30	5.5	18	4
Ø 16	M162	53	40	30	5.5	18	4
Ø 20	M202	66	50	40	6.6	19	5
Ø 25	M252	66	50	40	6.6	23	5

TRUNNION BRACKET MOUNTING



BORE SIZE	MTG. Part no.	A	B	C	Ø D H9	E	F	H	R
Ø 12	M123	25	15	12.1	6	5.5	27	3	7
Ø 16	M163	25	15	12.1	6	5.5	27	3	7
Ø 20	M203	32	20	16.1	8	6.6	30	4	10
Ø 25	M253	32	20	16.1	8	6.6	30	4	10

ORDERING INFORMATION

Typical Example :
25mm bore X 50mm stroke
Leg mounted ISO Cylinder :
M251050

CYL. TYPE

M

BORE SIZE

12mm = 12
16mm = 16
20mm = 20
25mm = 25

MOUNTING

0 = Basic
1 = Leg Mounting
2 = Flange Mounting
3 = Trunnion Bracket Mounting

STROKE IN mm

Examples :
25mm = 025
100mm = 100