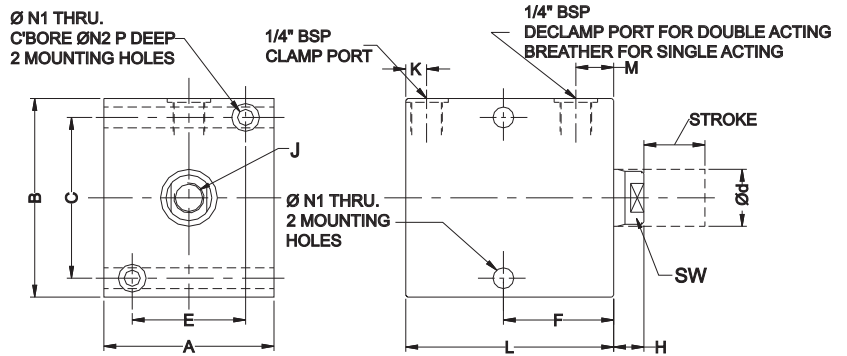
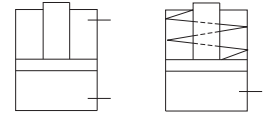




Block Cylinder

double acting / single acting (spring return), push type



Block cylinders are widely used in workholding fixtures and other short stroke applications.

Advantages

As compared to the tie rod construction cylinders, these cylinders are very compact, due to the integral construction. These cylinders are versatile, i.e. they can be mounted in many different ways.

Versions

- Two versions are available in all models
- ◆ Double acting
- ◆ Single acting push type, with spring Return

Installation

The cylinder can be mounted on the front side (rod side), rear side and side faces, as shown in the figures.

Specification

- ◆ Maximum operating pressure - 200 bar

Note

- ◆ For side mounting, positive stopper should be provided to reduce the load on the clamping bolts. (fig. 3)
- ◆ For the single acting, spring return cylinder, a breather is provided. It should be protected from cutting liquids and coolants.
- ◆ For ordering the seal kit, add the prefix "S" to the part number.

FORCE push §	7.5 kN	19 kN	46.5 kN
FORCE pull §	4.5 kN	11.5 kN	28 kN
Ø BORE	25	40	63
A	45	62	95
B	65	85	120
C	50	63	90
d	16	25	40
E	30	40	65
F	39.5	48.5	65.5
H	12	15	20
J	M 10 x 15 DEEP	M 16 x 30 DEEP	M 24 x 30 DEEP
K	11	11.5	15
M	22	27	39.5
N1	9	11	17
N2	--	17.5	25
P	--	11	17
SW	13	20	32

Double Acting Cylinder						
PART NO.	2110100	2110200	2120100	2120200	2130100	2130200
STROKE ±1	20	50	20	50	20	50
L	68	98	81	111	105	135
OIL VOL push	10 cc	25 cc	25 cc	63 cc	63 cc	156 cc
OIL VOL pull	6 cc	15 cc	15 cc	38 cc	37 cc	93 cc
WEIGHT	1.5 kg	2.3 kg	2.5 kg	3.5 kg	9.6 kg	12.3 kg
Single Acting Push Type Spring Return Cylinder						
PART NO.	2310100	2310200	2320100	2320200	2330100	2330200
STROKE ±1	15	30	15	30	15	30
L	68	98	81	111	105	135
OIL VOL push	8 cc	15 cc	19 cc	38 cc	48 cc	95 cc
SPRING FORCE	110 N	100 N	300 N	280 N	425 N	400 N
WEIGHT	1.5 kg	2.3 kg	2.5 kg	3.5 kg	9.6 kg	12.3 kg

§ Force is specified at 150 bar.

Application example

Figure 1

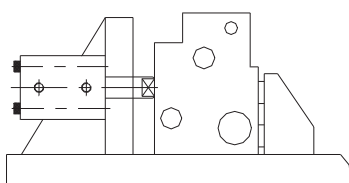


Figure 2

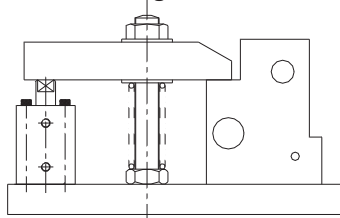
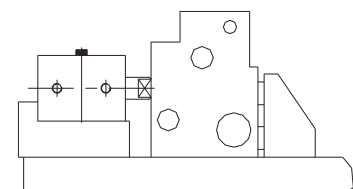


Figure 3



All dimensions are in mm
Overall dimension tolerance ± 0.5 mm