



Pull Cylinder

Single acting (spring return), pull type, front flange mounting

Description :

Pull cylinders are single acting, spring return cylinders, suitable for use with a hydropneumatic Intensifier.

Installation :

A square flange with 4 mounting holes is provided on the front side for mounting purpose. The cylinder can be mounted on the front flange as shown in fig. 1. The cylinder can be mounted on the back side with long screws as shown in fig. 2.

Specifications :

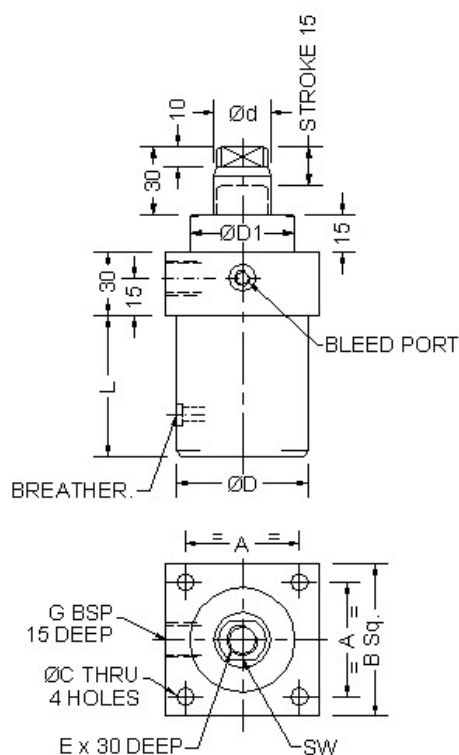
- Maximum operating pressure - 200 bar.
- Return spring back pressure - @ 1 bar.

Notes :

- Heavy extensions to the piston rod can influence the return stroke of the cylinder.
- As the cylinder is single acting, spring return, a breather is provided. It should be protected from the cutting liquid and coolant.
- For ordering the seal kit, add the prefix "S" to the part number.



Dimensional details :



FORCE*	11 kN	22 kN	30 kN
ØBORE	38	50	60
STROKE±1	15	15	15
A	45	55	68
B	60	67	85
C	7	9	11.0
D	52	62	78
D1	38	45	65
d	22	25	32
E	M12	M16	M20
G	1/4"	1/4"	3/8"
L	50	50	58
SW	17	20	28
PART NO.	1910100	1920100	1930100
MINIMUM SPRING FORCE	415 N	501 N	507 N
OIL VOLUME	12 cc	22 cc	30 cc
WEIGHT	1.5 kg	2.5 kg	3.5 kg

* Force is specified at 150 bar.

All dimensions are in mm, Overall dimension tolerance ± 0.5 mm.
Subject to change for improvement. (Revision - July12)

Application Example :

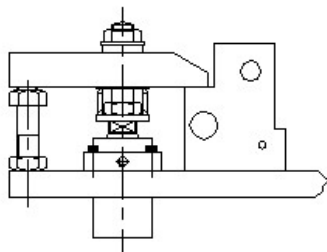


FIGURE 1

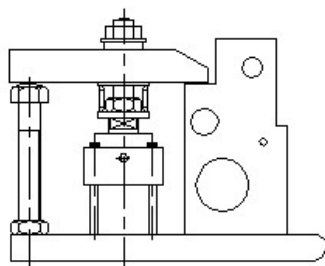


FIGURE 2