



Threaded Body Cylinder

Single acting (spring return), push type

Description :

Solid piston threaded body cylinder is single acting, spring return cylinder, suitable to use with hydropneumatic intensifier.

Advantages :

The cylinder is most simple in construction and very easy for maintenance. The piston force can be directly used for clamping (fig. 1) The piston force can be increased by using a clamping strap leverage (fig. 2).

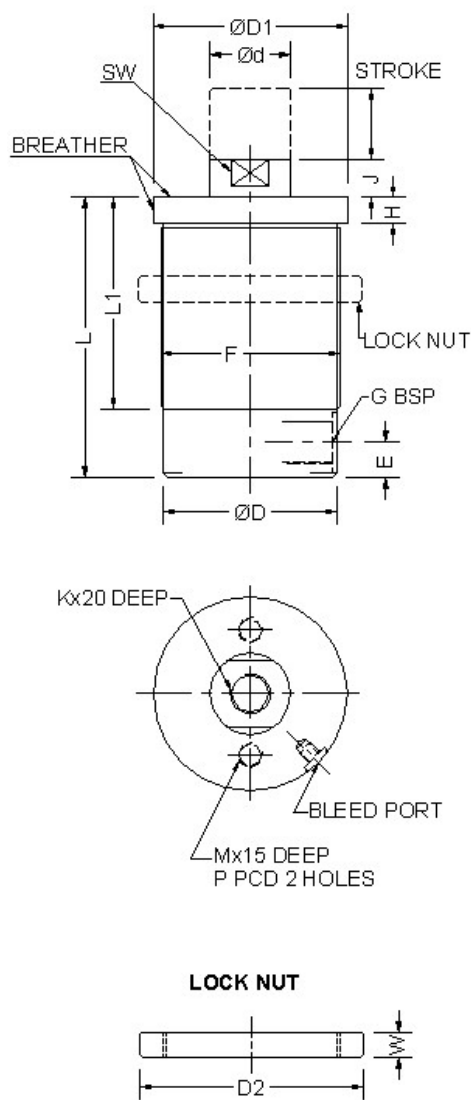
- Maximum operating pressure - 200 bar.
- Return spring back pressure - @ 1 bar.

Notes :

- Heavy extensions to the piston rod can influence the return stroke of the cylinder.
- Lock nut has to be ordered separately.
- 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 *	3 kN	5 kN	10 kN	18 kN
ØBORE	16	20	30	40
D	21.8	27.5	43.5	54.5
d	9.52	11.09	15.87	20.6
D1	30	36	54	65
E	9	10	12	12
F	M24x2	M30x2	M46x2	M57x2
G	1/8"	1/8"	1/4"	1/4"
H	12	12	12	12
J	7	8	9	13
K	M6	M6	M10	M12
M	-	M6	M6	M8
P	-	20	30	36
SW	8	10	13	18
PART NO.	1710100	1720100	1730100	1740100
STROKE±1	15	10	10	10
L	78	70	72	77
L1	58	49	47	52
MINIMUM SPRING FORCE	79.8 N	131 N	197 N	265 N
OIL VOLUME	3 cc	3 cc	7 cc	13 cc
WEIGHT	0.25 kg	0.5 kg	1 kg	1.5 kg
PART NO.	1710900	1720200	1730200	1740200
STROKE±1	25	25	25	25
L	98	98	102	105
L1	78	77	77	80
MINIMUM SPRING FORCE	80 N	110.38 N	179.0 N	245.5 N
OIL VOLUME	5 cc	8 cc	18 cc	31 cc
WEIGHT	0.32 kg	0.7 kg	1.25 kg	2 kg
LOCK NUT(Accessory) To be ordered separately				
PART NO.	1802300	1802400	1802500	1802600
D2	30 HEX	46 HEX	60	75
W	10	10	10	10

* 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 :

Against front collar with threaded lock nut - Front

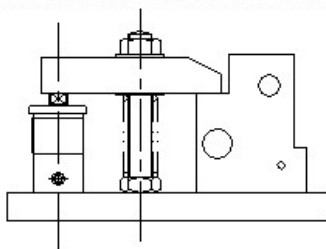


FIGURE 1

With back mounting holes - Rear mounting

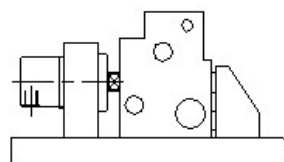


FIGURE 2