



Hydraulic Block Cylinders

Single / Double Acting



Description

- Hydraulic Block cylinders are very compact, heavy duty cylinders and can be mounted very easily and in many different ways.

Features

- Type : Single & Double Acting
- Min. working pressure : 5 kg/cm²
- Max. working pressure : 200 kg/cm²
- High size to force ratio compared to conventional cylinders.

Application

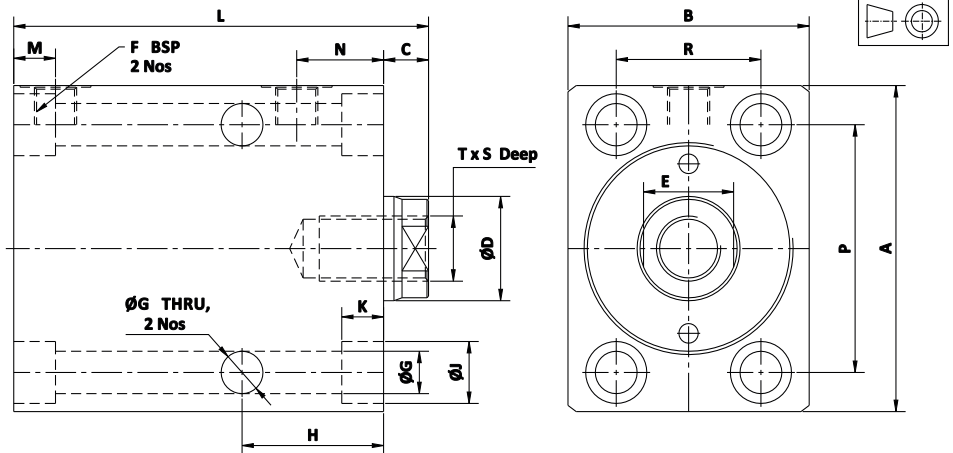
- Suitable for short stroke clamping applications. Can also be used for positioning, supporting, lifting, pulling etc...

Important Notes

- For side mounting, positive stopper should be provided.
- For single acting cylinders, breather should be protected from cutting liquids and coolants
- For seal kits, add prefix SK to part no.

•All dimensions are in mm

•Overall dimensional tolerance ± 0.5 mm



Mounting Arrangement

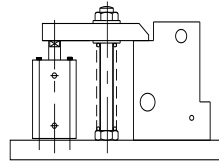


Fig 1

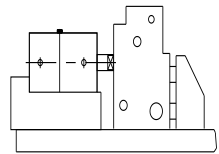


Fig 2

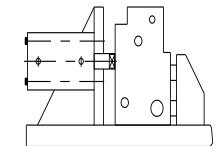


Fig 3

DIMENSIONAL DETAILS

SIZE	2	3	4	5	6	7	8	9
A	65	75	85	100	125	160	200	230
B	45	55	63	75	95	120	150	180
C	7	10	10	10	14	14	15	16
D	16	20	25	32	40	50	63	80
E	13	17	21	28	36	46	55	65
F	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"
G	9	10.5	10.5	13	18	22	26	32
H	33	38	40	44	50	60	64	82
J	13	16	16	19	25	31	38	46
K	8	10	10	12	16	20	24	30
T	M10	M12	M16	M20	M27	M30	M42	M48
M	11	11	11	13	17	21	25	31
N	18	22	24	27	26	34	35	47
S	15	15	25	30	40	40	60	70
P	50	55	63	76	95	120	158	180
R	30	35	40	45	65	80	108	130

SPECIFICATIONS

SIZE	BORE (mm)	ROD (mm)	CLAMPING FORCE at 200 kg/cm ² (kgf)	SINGLE ACTING		DOUBLE ACTING			L (mm)	STANDARD PART No's	
				STROKE (mm)	CLAMP VOLUME (cc)	STROKE (mm)	CLAMP VOLUME (cc)	DE-CLAMP VOLUME (cc)		SINGLE ACTING	DOUBLE ACTING
2	25	16	900	8	4	20	10	6	71	4210-211	4210-221
				20	10	50	24.5	14.5	101	4210-212	4210-222
3	32	20	1600	10	8	20	16	12.2	80	4210-311	4210-321
				20	16	50	40	24.5	110	4210-312	4210-322
4	40	25	2500	10	12.5	20	25	16	84	4210-411	4210-421
				20	25	50	62.5	38.2	114	4210-412	4210-422
5	50	32	3900	12	23.5	20	40	23	95	4210-511	4210-521
				20	39	50	98	58	125	4210-512	4210-522
6	63	40	6200	12	37	20	63	38	106	4210-611	4210-621
				25	77.5	50	155	93	136	4210-612	4210-622
7	80	50	10000	12	60	20	100	62	119	4210-711	4210-721
				25	160	50	251	153	149	4210-712	4210-722
8	100	63	15700	12	94	20	157	95	125	4210-811	4210-821
				32	251	50	392	237	155	4210-812	4210-822
9	125	80	24500	-	-	20	245	145	146	4210-911	4210-921
				-	-	50	613	362	176	4210-912	4210-922