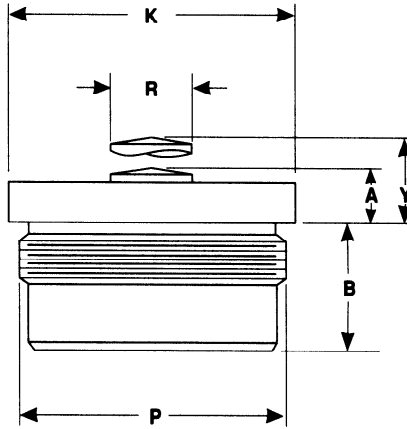




Manifold Systems

SB - Short Stroke Cylinders

TELEDYNE FLUID SYSTEMS
Hyson Products



Force and Fixed Dimensions

Size/Model	Max. Force at 1500 PSI or 103 BAR	Piston Diameter	Effective Piston Area	K	P	R	A
1 Ton	2650 LBS.	1.5 IN.	1.77 SQ. IN.	2.12	1 7/8-12	.75 IN.	.44 IN.
SB 1	11,78 KN	38 MM	11.4 CM ²	54 MM		19 MM	11 MM
2.5 Ton	5160 LBS.	2.09 IN.	3.44 SQ. IN.	2.75	2 1/2-12	.75 IN.	.44 IN.
SB 2.5	22,95 KN	53 MM	22.2 CM ²	70 MM		19 MM	11 MM
4 Ton	8124 LBS.	2.63 IN.	5.42 SQ. IN.	3.56	M82 x 2	1.50 IN.	.63 IN.
SB 4	36,13 KN	67 MM	34.9 CM ²	90 MM		38 MM	16 MM
6 Ton	11,970 LBS.	3.19 IN.	7.98 SQ. IN.	4.31	M100 x 2	1.87 IN.	.63 IN.
SB 6	53,24 KN	81 MM	51.5 CM ²	109 MM		47 MM	16 MM

Stroke	SB 1, SB 2.5			SB 4, SB 6		
	B	Y	Min. Plate Thickness	B	Y	Min. Plate Thickness
0.25 IN.	1.19	0.69	1.69	1.47	0.87	2.16
6 MM	.30	.17	.43	.37	.22	.55

0.62 IN.	1.56	1.06	2.07	1.84	1.25	2.53
16 MM	39	27	53	47	32	64
0.75 IN.	1.69	1.19	2.19	1.97	1.37	2.66
19 MM	43	30	56	50	35	67
1.00 IN.	1.94	1.44	2.44	2.22	1.62	2.91
25 MM	49	36	62	56	41	73

For short stroke applications, maximum stroke is 1".

Note: All dimensions are nominal unless tolerance is stated.