



Technical Specs

Item	Hydraulic Cylinder	Piston Rod	Polished Chrome
Type	Double Acting Welded	Ring Material	Cast Iron
Bore Dia. (In.)	2-1/2	Tubes	Heavy-wall Honed Steel
Stroke (In.)	16	Rod Seal	Urethane U-cup
Rod Dia. (In.)	1-3/8	Material	Steel
Retract (In.)	24	Piston Seal	Cast Iron
Port Size (NPT)	3/8"	Finish	Red Painted
Max. Pressure (PSI)	2500	Pin Dia.	1-3/8"
Piston Material	Ductile Iron		

Theoretical Push Forces for Hydraulic Cylinders

Cylinder Bore Ø	Piston Area (Sq. In.)	Cylinder Push Stroke Force in Pounds at Various Pressures						
		100	250	500	1000	1500	2000	3000
1.50	1.77	177	443	885	1770	2651	3540	5310
2.00	3.14	314	785	1570	3140	4712	6280	9420
2.50	4.91	491	1228	2455	4910	7363	9820	14730
3.25	8.30	830	2075	4150	8300	12444	16600	24900
4.00	12.57	1257	3143	6285	12570	18850	25140	37710
5.00	19.64	1964	4910	9820	19640	29453	39280	58920
6.00	28.27	2827	7068	14135	28270	42412	56540	84810
7.00	38.49	3849	9623	19245	38490	57727	76980	115470
8.00	50.27	5027	12568	25135	50270	75398	100540	150810
10.00	78.54	7854	19635	39270	78540	117810	157080	235620
12.00	113.10	11310	28275	56550	113100	169650	226200	339300
14.00	153.94	15394	38485	76970	153940	230910	307880	461820
16.00	201.06	20106	50265	100530	201060	301590	402120	603180
18.00	254.47	25447	63620	127230	254470	381700	508940	763410
20.00	314.16	31416	78540	157080	314160	471240	628320	942480