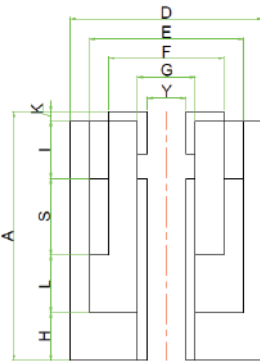


Double Acting Hollow Plunger Cylinders

- Hollow plunger allows for both push and pull forces.
- Nickel plated floating center tube increases product life.
- Baked enamel finish for increased corrosion resistance.
- Collar threads enable easy fixing.
- Relief valves prevent damage in case of over pressurization.
- ECR-400 Coupler and dust cap included with all models.
- Plunger wiper reduces contamination extending cylinder life.



Capacity :
100 - 1300 Tons
Stroke :
50 - 300 mm



EPP®
Global Hydraulic Solutions

Cylinder Capacity (ton)	Stroke (mm)	Collapsed Height A (mm)	O.D. D (mm)	Bore Dia. E (mm)	Plunger Rod		Plunger		Length I (mm)	Thread Depth H (mm)	Plunger height L (mm)	Saddle Protrusion from Plunger K (mm)	P (mm)	P. A (mm)	P. B (mm)
					O.D. F (mm)	G (mm)	I.D. Y (mm)								
100	50	255	216	170	140	100	57	79.2	80	40	70	15	675	148.44	73.04
	100	305	216	170	140	100	57	79.2	80	40	70	15	675	148.44	73.04
	200	405	216	170	140	100	57	79.2	80	40	70	15	675	148.44	73.04
	300	505	216	170	140	100	57	79.2	80	40	70	15	675	148.44	73.04
110	100	305	228	180	145	105	80	80	80	40	70	15	660	167.88	89.34
	200	405	228	180	145	105	80	80	80	40	70	15	660	167.88	89.34
	300	505	228	180	145	105	80	80	80	40	70	15	660	167.88	89.34
150	100	323	276	215	175	130	100	85	85	45	75	18	655	230.32	122.52
	200	423	276	215	175	130	100	85	85	45	75	18	655	230.32	122.52
	300	523	276	215	175	130	100	85	85	45	75	18	655	230.32	122.52
200	100	330	305	240	190	140	110	85	85	50	75	20	670	298.45	168.86
	200	430	305	240	190	140	110	85	85	50	75	20	670	298.45	168.86
	300	530	305	240	190	140	110	85	85	50	75	20	670	298.45	168.86
250	100	340	343	270	220	160	125	85	85	60	75	20	675	371.49	192.42
	200	440	343	270	220	160	125	85	85	60	75	20	675	371.49	192.42
	300	540	343	270	220	160	125	85	85	60	75	20	675	371.49	192.42
300	100	352	390	305	250	195	150	85	85	67	75	25	695	431.97	239.74
	200	452	390	305	250	195	150	85	85	67	75	25	695	431.97	239.74
	300	552	390	305	250	195	150	85	85	67	75	25	695	431.97	239.74
350	100	373	435	340	285	225	175	90	90	75	80	28	690	510.31	269.98
	200	473	435	340	285	225	175	90	90	75	80	28	690	510.31	269.98
	300	573	435	340	285	225	175	90	90	75	80	28	690	510.31	269.98
400	100	380	460	360	300	235	182	90	90	80	80	30	685	584.14	311.02
	200	480	460	360	300	235	182	90	90	80	80	30	685	584.14	311.02
	300	580	460	360	300	235	182	90	90	80	80	30	685	584.14	311.02
500	100	390	503	395	330	250	195	90	90	85	80	35	680	734.54	370.12
	200	490	503	395	330	250	195	90	90	85	80	35	680	734.54	370.12
	300	590	503	395	330	250	195	90	90	85	80	35	680	734.54	370.12
700	100	435	594	465	380	295	230	100	100	100	90	45	690	1014.73	407.03
	200	535	594	465	380	295	230	100	100	100	90	45	690	1014.73	407.03
	300	635	594	465	380	295	230	100	100	100	90	45	690	1014.73	407.03
1000	100	500	750	585	500	400	310	115	130	130	100	55	700	1431.19	724.36
	200	600	750	585	500	400	310	115	130	130	100	55	700	1431.19	724.36
	300	700	750	585	500	400	310	115	130	130	100	55	700	1431.19	724.36
1300	100	585	855	670	560	455	355	150	150	150	115	70	685	1899.68	1062.65
	200	685	855	670	560	455	355	150	150	150	115	70	685	1899.68	1062.65
	300	785	855	670	560	455	355	150	150	150	115	70	685	1899.68	1062.65