

SEAFIRST "Marine Tough" Hydraulic Steering Cylinders



SEAFIRST CYLINDER SPECIFICATIONS

October 2007

CYLINDER Model	Torque @ 1000 psi 70° arc ft-lb	Bore (nominal) inch	Shaft (nominal) inch	Stroke inch	Displacement or Volume		TYPICAL APPLICATIONS
					(cc)	(cu in)	
HC125B-7C	390	1 1/4	5/8	7	107	6.5	EXACT Hynautic K-51 Fit with 30% less turns
HC150B-5	434	1 1/2	3/4	5	120	7.3	WAGNER N-40-120 or other short stroke Heavy Duty applications / Jet Boats
HC150B-7	606	1 1/2	3/4	7	168	10.2	Heavy Duty replacement for Teleflex/Seastar HC5318 / BA 150-7
HC150B-7C	680	1 1/2	5/8	7	188	11.4	EXACT Hynautic K-51 Fit
HC150B-9	778	1 1/2	3/4	9	215	13.1	Heavy Duty replacement for Hynautic K1-B, Teleflex HC 5369 / BA 150-9
HC175B-7C	817	1 3/4	3/4	7	227	13.8	Compact HD 1.75" Bore cylinder-HD Replacement for Teleflex HC 5319 / BA175-7
HC200B-7	947	2	1	7	262	16	Heavy Duty replacement for Teleflex / Seastar BA 200-7 or Jastram B 200-7
HC200B-9	1215	2	1	9	337	20.5	Heavy Duty replacement for Hynautic K3-B, Teleflex / Seastar HC5802 or Jastram B 200-9
HC200B-11	1484	2	1	11	411	25.1	Heavy Duty replacement for Teleflex BA 200-11, Jastram B 200-12 or upgrade for Hynautic K-31
HC250B-9	2169	2 1/2	1	9	600	36.6	Heavy Duty replacement for Hynautic K4 or K8
HC250B-11	2647	2 1/2	1	11	734	44.8	Heavy Duty Brass & Stainless replacement for Teleflex (steel HC 0328)

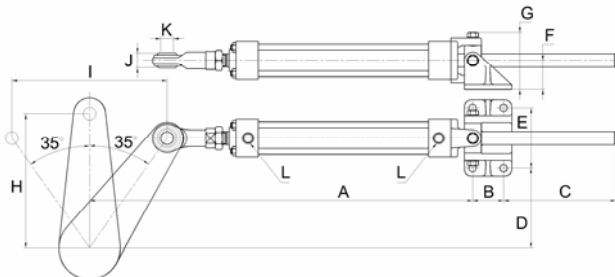
KEY FEATURES

- Industry-standard patterns made with 100% stainless, bronze and brass construction
- Cylinder rod made from non-magnetic SS pump shafting – hard chrome plated and ground
- Over-sized SS ball joint w/ stainless inserts for smaller high-strength bolts for better clearance
- Designed with 3/8" NPT ports for low-restriction fluid flow (125 C & 150 C / 1/4" NPT)
- All cylinders tested for working pressures of 1200 psi

INSTALLATION NOTES

- Recommended oil-equal to MIL-L-5606
- ISO AW 15 or Dextron II / III for hot climates
- Assemble fittings w/ standard hydraulic thread sealing compounds – NO Teflon tape

Key for model numbers	
HC	Hydraulic Cylinder
125	1.25" bore
150	1.50" bore
175	1.75" bore
200	2.00" bore
250	2.50" bore
B	Bore / Ball Joint
C	Compact Size
-5	5" stroke
-7	7" stroke
-9	9" stroke
-11	11" stroke



Dimensions (inches)

Model	A	B	C	D	E	F	G	H	I	J	K	L
HC125B-7C	18.55	2.00	4.91	3.62	2.76	2.00	3.57	6.10	7.0	0.83	0.63	NPT 1/4
HC150B-5	16.27	1.81	2.53	1.81	3.54	1.69	3.33	4.37	5.0	0.87	0.75	NPT 3/8
HC150B-7	19.29	1.81	4.54	3.22	3.54	1.69	3.33	6.10	7.0	0.87	0.75	NPT 3/8
HC150B-7C	18.55	2.00	4.91	3.62	2.76	2	3.73	6.1	7.0	0.83	0.63	NPT 1/4
HC150B-9	22.29	1.81	6.54	4.64	3.54	1.69	3.33	7.83	9.0	0.87	0.75	NPT 3/8
HC175B-7C	19.16	2.05	4.42	3.11	3.78	2.36	4.33	6.10	7.0	0.87	0.75	NPT 3/8
HC200B-7	20.77	2.76	3.36	2.75	4.49	2.44	4.51	6.10	7.0	0.87	0.75	NPT 3/8
HC200B-9	23.78	2.76	5.37	4.16	4.49	2.44	4.51	7.83	9.0	0.87	0.75	NPT 3/8
HC200B-11	26.74	2.76	7.38	5.59	4.49	2.44	4.51	9.57	11.0	0.87	0.75	NPT 3/8
HC250B-9	23.88	3.07	4.96	3.34	6.14	2.83	4.98	7.83	9.0	0.87	0.75	NPT 3/8
HC250B-11	26.84	3.07	6.96	4.76	6.14	2.83	4.98	9.57	11.0	0.87	0.75	NPT 3/8

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