ALUMINUM LIGHTWEIGHT CYLINDERS | OEM CROSS-REFERENCE: ENERPAC RAC SERIES EQUIVALENT

HSCA Series Lightweight Aluminum Single-Acting Cylinders

Single-acting spring-return lightweight aluminum hydraulic cylinders rated for 700 Bar (10,000 PSI), engineered with hard-coat anodized surfaces and up to 10% side-load resistance for portable rigging, field maintenance, and structural positioning across 20 to 150 Ton capacities.



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CAPACITY RANGE	STROKE RANGE	RATED PRESSURE
20 - 150 Metric Tons	50 - 250 mm	700 Bar (10,000 PSI)

SIDE-LOAD RESISTANCE	CYLINDER MATERIAL	STANDARDS & COUPLER
Composite Bearings for Up to 10% Side-Load Protection	High-Strength Hard-Coat Anodized Aluminum Alloy	ASME B30.1 / ISO 10100 Compliant, Standard HQC-201A Coupler

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Effective Area [cm2]	Oil Capacity [cm3]	Closed Height (A) [mm]	Extended Height (B) [mm]	Outside Diam. (D) [mm]	Bore Diam. (E) [mm]	Piston Diam. (F) [mm]	Base to Port (H) [mm]	Saddle Size (J) [mm]	Saddle Protrusion (K) [mm]	Weight [Kg]
HSCA-202	20	50	31.2	156	174	224	85	63	50	27	40	3	3.6
HSCA-204	20	100	31.2	312	224	324	85	63	50	27	40	3	4.1
HSCA-206	20	150	31.2	468	274	424	85	63	50	27	40	3	4.6
HSCA-208	20	200	31.2	624	324	524	85	63	50	27	40	3	5.1
HSCA-2010	20	250	31.2	780	374	624	85	63	50	27	40	3	5.6
HSCA-302	30	50	44.2	221	181	231	100	75	60	32	40	3	4.5
HSCA-304	30	100	44.2	442	231	331	100	75	60	32	40	3	5.2
HSCA-306	30	150	44.2	663	281	431	100	75	60	32	40	3	5.9
HSCA-308	30	200	44.2	884	331	531	100	75	60	32	40	3	6.6
HSCA-3010	30	250	44.2	1105	381	631	100	75	60	32	40	3	7.3
HSCA-502	50	50	70.9	354	186	236	130	95	80	30	50	3	8.5
HSCA-504	50	100	70.9	709	236	336	130	95	80	30	50	3	9.8
HSCA-506	50	150	70.9	1063	286	436	130	95	80	30	50	3	11.1
HSCA-508	50	200	70.9	1417	336	536	130	95	80	30	50	3	12.4
HSCA-5010	50	250	70.9	1771	386	636	130	95	80	30	50	3	13.7
HSCA-1002	100	50	143.1	715	221	271	180	135	110	46	94	3	17.3
HSCA-1004	100	100	143.1	1431	271	371	180	135	110	46	94	3	19.6
HSCA-1006	100	150	143.1	2147	321	471	180	135	110	46	94	3	21.9
HSCA-1008	100	200	143.1	2863	371	571	180	135	110	46	94	3	24.2
HSCA-10010	100	250	143.1	3578	421	671	180	135	110	46	94	3	26.5
HSCA-1502	150	50	227.0	1135	243	293	230	170	140	51	113	3	25.3
HSCA-1504	150	100	227.0	2270	293	393	230	170	140	51	113	3	29.3
HSCA-1506	150	150	227.0	3405	343	493	230	170	140	51	113	3	33.3
HSCA-1508	150	200	227.0	4540	393	593	230	170	140	51	113	3	37.3
HSCA-15010	150	250	227.0	5675	443	693	230	170	140	51	113	3	41.3