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

HDCA Series Lightweight Aluminum Double-Acting Cylinders

Double-acting hydraulic-return lightweight aluminum cylinders rated for 700 Bar (10,000 PSI), engineered for powered retraction, rapid cycle times, and heavy structural shifting across 20 to 150 Ton capacities.



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CAPACITY RANGE
20 - 150 Metric Ton (Advance) / 13 - 94 Metric Ton (Retract)

STROKE RANGE
50 - 250 mm

MAX WORKING PRESSURE
700 Bar (10,000 PSI)

ACTING & RETURN TYPE
Double-Acting, Hydraulic Powered Advance & Retraction

CYLINDER MATERIAL
High-Strength Hard-Coat Anodized Aluminum Alloy

OVER-PRESSURE DEFENSE
Built-In Safety Valve Prevents Accidental Over-Pressurization

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Push Force (Advance) [kN]	Pull Force (Retract) [kN]	Adv. Eff. Area [cm2]	Ret. Eff. Area [cm2]	Adv. Oil Cap [cm3]	Ret. Oil Cap [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]	Top to Port (I) [mm]	Saddle Size (J) [mm]	Saddle Protrusion (K) [mm]	Weight [Kg]
HDCA-202	20	50	218	130	31.2	18.6	156	93	189	239	113	63	40	30	50	30	3	7.4
HDCA-204	20	100	218	130	31.2	18.6	312	186	239	339	113	63	40	30	50	30	3	8.0
HDCA-206	20	150	218	130	31.2	18.6	468	279	289	439	113	63	40	30	50	30	3	8.6
HDCA-208	20	200	218	130	31.2	18.6	624	372	339	539	113	63	40	30	50	30	3	9.2
HDCA-2010	20	250	218	130	31.2	18.6	780	465	389	639	113	63	40	30	50	30	3	9.8
HDCA-302	30	50	309	179	44.2	24.5	221	123	201	251	125	75	50	30	55	40	3	8.6
HDCA-304	30	100	309	179	44.2	24.5	442	245	251	351	125	75	50	30	55	40	3	9.5
HDCA-306	30	150	309	179	44.2	24.5	663	368	301	451	125	75	50	30	55	40	3	10.4
HDCA-308	30	200	309	179	44.2	24.5	884	490	351	551	125	75	50	30	55	40	3	11.3
HDCA-3010	30	250	309	179	44.2	24.5	1105	613	401	651	125	75	50	30	55	40	3	12.2
HDCA-502	50	50	496	187	70.9	26.7	354	134	201	251	145	95	75	30	56	50	3	11.1
HDCA-504	50	100	496	187	70.9	26.7	709	267	251	351	145	95	75	30	56	50	3	12.7
HDCA-506	50	150	496	187	70.9	26.7	1063	401	301	451	145	95	75	30	56	50	3	14.3
HDCA-508	50	200	496	187	70.9	26.7	1417	534	351	551	145	95	75	30	56	50	3	15.9
HDCA-5010	50	250	496	187	70.9	26.7	1771	668	401	651	145	95	75	30	56	50	3	17.5
HDCA-1002	100	50	1002	557	143.1	79.5	715	398	251	301	185	135	90	43	80	75	3	16.4
HDCA-1004	100	100	1002	557	143.1	79.5	1431	795	301	401	185	135	90	43	80	75	3	19.3
HDCA-1006	100	150	1002	557	143.1	79.5	2147	1193	351	501	185	135	90	43	80	75	3	22.2
HDCA-1008	100	200	1002	557	143.1	79.5	2863	1590	401	601	185	135	90	43	80	75	3	25.1
HDCA-10010	100	250	1002	557	143.1	79.5	3578	1988	451	701	185	135	90	43	80	75	3	28.0
HDCA-1502	150	50	1589	924	227.0	132.0	1135	660	248	298	230	170	110	38	75	113	3	24.2
HDCA-1504	150	100	1589	924	227.0	132.0	2270	1320	298	398	230	170	110	38	75	113	3	28.9
HDCA-1506	150	150	1589	924	227.0	132.0	3405	1980	348	498	230	170	110	38	75	113	3	33.2
HDCA-1508	150	200	1589	924	227.0	132.0	4540	2640	398	598	230	170	110	38	75	113	3	37.9
HDCA-15010	150	250	1589	924	227.0	132.0	5675	3300	448	698	230	170	110	38	75	113	3	42.6