HIGH TONNAGE & PULL CYLINDERS | OEM CROSS-REFERENCE: ENERPAC HCRG SERIES EQUIVALENT

HDCX Series Double-Acting High-Tonnage Cylinders

Double-acting hydraulic return high-tonnage cylinders rated for 700 Bar (10,000 PSI), engineered for heavy lifting, bridge positioning, foundation leveling, and structural maintenance across 50 to 1,000 Ton capacities.



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RATED CAPACITY	OPERATING PRESSURE	ACTION & RETURN
50 - 1,000 Metric Tons	700 Bar (10,000 PSI)	Double-Acting, Powered Hydraulic Return
STROKE RANGE	**SADDLE TYPE**	**SAFETY MECHANISM**
50 - 300 mm	Standard 0-5° Self-Aligning Tilt Saddle	Built-in Retract Port Over-Pressure Relief Valve

Model	Cap. (Ton) [Metric Ton]	Stroke [mm]	Max Cap. (Ton)		Eff. Area (cm²)		Oil Cap. (cm³)		Closed H. (A) [mm]	Ext. H. (B) [mm]	Outside D. (D) [mm]	Plunger Diam. (F) [mm]	Bolt Circle (U) [mm]	Bolt Thread (V)	Depth (Z) [mm]	Weight [Kg]
			Adv. [Ton]	Ret. [Ton]	Adv. [cm2]	Ret. [cm2]	Adv. [cm3]	Ret. [cm3]								
HDCX-502	50	50	53	26	75.4	36.9	377	185	162	212	129	70	65	2 x M12	12	17.0
HDCX-504	50	100	53	26	75.4	36.9	754	369	212	312	129	70	65	2 x M12	12	19.5
HDCX-506	50	150	53	26	75.4	36.9	1131	554	262	412	129	70	65	2 x M12	12	22.0
HDCX-508	50	200	53	26	75.4	36.9	1508	738	312	512	129	70	65	2 x M12	12	25.5
HDCX-5010	50	250	53	26	75.4	36.9	1885	923	362	612	129	70	65	2 x M12	12	29.0
HDCX-5012	50	300	53	26	75.4	36.9	2262	1107	412	712	129	70	65	2 x M12	12	31.5
HDCX-1002	100	50	93	43	132.7	61.9	664	309	179	229	165	95	95	2 x M12	12	29.0
HDCX-1004	100	100	93	43	132.7	61.9	1327	619	229	329	165	95	95	2 x M12	12	34.0
HDCX-1006	100	150	93	43	132.7	61.9	1991	928	279	429	165	95	95	2 x M12	12	40.0
HDCX-1008	100	200	93	43	132.7	61.9	2655	1237	329	529	165	95	95	2 x M12	12	46.0
HDCX-10010	100	250	93	43	132.7	61.9	3318	1546	379	629	165	95	95	2 x M12	12	53.0
HDCX-10012	100	300	93	43	132.7	61.9	3982	1856	429	729	165	95	95	2 x M12	12	79.0
HDCX-1502	150	50	140	68	201.0	97.1	1005	486	196	246	205	115	130	2 x M12	12	39.0
HDCX-1504	150	100	140	68	201.0	97.1	2010	971	246	346	205	115	130	2 x M12	12	52.0
HDCX-1506	150	150	140	68	201.0	97.1	3015	1457	296	446	205	115	130	2 x M12	12	65.0
HDCX-1508	150	200	140	68	201.0	97.1	4020	1942	346	546	205	115	130	2 x M12	12	78.0
HDCX-15010	150	250	140	68	201.0	97.1	5025	2428	396	646	205	115	130	2 x M12	12	92.0
HDCX-15012	150	300	140	68	201.0	97.1	6030	2913	446	746	205	115	130	2 x M12	12	105.0
HDCX-2002	200	50	185	88	268.7	125.6	1344	628	212	262	235	135	165	3 x M12	12	55.0
HDCX-2006	200	150	185	88	268.7	125.6	4031	1884	312	462	235	135	165	3 x M12	12	91.0
HDCX-20012	200	300	185	88	268.7	125.6	8061	3768	462	762	235	135	165	3 x M12	12	146.0
HDCX-2502	250	50	254	105	362.9	149.2	1815	736	235	285	275	165	190	3 x M12	12	89.0
HDCX-2506	250	150	254	105	362.9	149.2	5444	2289	335	485	275	165	190	3 x M16	12	136.0
HDCX-25012	250	300	254	105	362.9	149.2	10887	4578	485	785	275	165	190	3 x M16	12	207.0
HDCX-3002	300	50	316	108	452.2	153.7	2261	769	322	372	310	200	180	3 x M16	30	184.0
HDCX-3006	300	150	316	108	452.2	153.7	6783	2306	422	572	310	200	180	3 x M16	30	232.0
HDCX-30012	300	300	316	108	452.2	153.7	13566	4611	572	872	310	200	180	3 x M16	30	303.0
HDCX-4002	400	50	386	132	572.0	188.4	2860	1055	374	424	350	215	205	3 x M16	30	270.0

HDCX Series Double-Acting High-Tonnage Cylinders - Specification Matrix (Continued) | Click any row to open online interactive datasheet & quote

Model	Cap. (Ton) [Metric Ton]	Stroke [mm]	Max Cap. (Ton)		Eff. Area (cm²)		Oil Cap. (cm³)		Closed H. (A) [mm]	Ext. H. (B) [mm]	Outside D. (D) [mm]	Plunger Diam. (F) [mm]	Bolt Circle (U) [mm]	Bolt Thread (V)	Depth (Z) [mm]	Weight [Kg]
			Adv. [Ton]	Ret. [Ton]	Adv. [cm2]	Ret. [cm2]	Adv. [cm3]	Ret. [cm3]								
HDCX-4006	400	150	386	132	572.0	188.4	7580	3165	474	624	350	215	205	3 x M16	30	330.0
HDCX-40012	400	300	386	132	572.0	188.4	15160	6330	624	924	350	215	205	3 x M16	30	421.0
HDCX-5002	500	50	511	168	730.2	239.6	3651	1198	419	469	400	250	250	3 x M24	30	410.0
HDCX-5006	500	150	511	168	730.2	239.6	10953	3594	519	669	400	250	250	3 x M24	30	480.0
HDCX-50012	500	300	511	168	730.2	239.6	21906	7188	669	969	400	250	250	3 x M24	30	559.0
HDCX-6002	600	50	599	213	854.9	303.6	4275	1518	429	479	430	265	275	3 x M24	36	474.0
HDCX-6006	600	150	599	213	854.9	303.6	12824	4554	529	679	430	265	275	3 x M24	36	565.0
HDCX-60012	600	300	599	213	854.9	303.6	25647	9108	679	979	430	265	275	3 x M24	36	710.0
HDCX-8002	800	50	815	252	1163.6	384.7	5818	1924	484	534	505	320	330	3 x M24	36	741.0
HDCX-8006	800	150	815	252	1163.6	384.7	17454	5771	584	734	505	320	330	3 x M24	36	868.0
HDCX-80012	800	300	815	252	1163.6	384.7	34908	11541	734	1034	505	320	330	3 x M24	36	1058.0
HDCX-10002	1000	50	1017	362	1451.5	517.1	7258	2586	564	614	560	345	375	3 x M24	36	1062.0
HDCX-10006	1000	150	1017	362	1451.5	517.1	21773	7757	664	814	560	345	375	3 x M24	36	1213.0
HDCX-100012	1000	300	1017	362	1451.5	517.1	43545	15513	814	1114	560	345	375	3 x M24	36	1439.0

HDCX Series Double-Acting High-Tonnage Cylinders - Optional Tilt Saddles

Cylinder Capacity	Saddle Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
HDCX-50T	STX-50	49	24	43	39	49
HDCX-100T	STX-100	73	29	48	55	74
HDCX-150T	STX-150	91	31	50	74	94
HDCX-200T	STX-200	118	35	59	90	113
HDCX-250T	STX-250	144	46	70	120	145
HDCX-300T	STX-300	158	62	81	150	177
HDCX-400T	STX-400	193	51	78	170	196
HDCX-500T	STX-500	228	63	90	200	228
HDCX-600T	STX-600	241	76	103	220	247
HDCX-800T	STX-800	297	75	102	260	297
HDCX-1000T	STX-1000	311	93	120	295	323

Engineering Note: All dimensions in mm. Self-aligning 0° - 5° tilt saddles protect plungers against eccentric side loads.