HDC Series Double-Acting General Purpose Cylinders

Double-acting hydraulic-return general-purpose cylinders rated for 700 Bar (10,000 PSI), engineered for high-cycle industrial lifting, bridge jacking, hydraulic pressing, and structural maintenance across 10 to 300 Ton capacities.



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RATED CAPACITY	STROKE RANGE	OPERATING MECHANISM
10 - 300 METRIC TONS	57 - 511 MM (2.24 - 20.12 IN)	DOUBLE-ACTING, HYDRAULIC RETURN
CYLINDER CONSTRUCTION	**MOUNTING INTERFACE**	**MAX WORKING PRESSURE**
HIGH-STRENGTH ALLOY STEEL WITH HARD CHROME PLUNGER	COLLAR THREADS & BASE MOUNTING HOLES	700 BAR (10,000 PSI)

Model	Capacity @10,000 PSI (700 bar) [Metric Ton]	Stroke [mm]	Max. Capacity (Ton)		Effective Area (cm²)		Oil Capacity (cm³)		Closed Height (A) [mm]	Extended Height (B) [mm]	Collar Thread (C)	Collar Thread Length (X) [mm]	Outside Diam. (D) [mm]	Piston Diam. (F) [mm]	Base Mounting Hole			Weight [Kg]
			Push [Ton]	Pull [Ton]	Push [cm2]	Pull [cm2]	Push [cm3]	Pull [cm3]							Bolt Circle (U) [mm]	Thread (V)	Thread Depth (Z) [mm]	
HDC-1010	10	254	10	3	14.5	4.9	369	124.5	409	663	2.1/4" - 14 UN	26	73	35	-	-	-	12
HDC-1012	10	305	10	3	14.5	4.9	443	149.5	457	762	2.1/4" - 14 UN	26	73	35	-	-	-	14
HDC-308	30	209	31	6	44.2	20.4	923.8	426.4	387	596	3.5/16" - 12 UN	49	102	55	-	-	-	18
HDC-3014	30	368	31	6	44.2	20.4	1626.6	769	549	917	3.5/16" - 12 UN	49	102	55	-	-	-	29
HDC-506	50	156	49	14	70.8	20.6	1104.5	321.4	331	487	5" - 12 UN	44	127	80	-	-	-	30
HDC-5013	50	334	49	14	70.8	20.6	2364.7	688	509	843	5" - 12 UN	44	127	80	-	-	-	52
HDC-5020	50	511	49	14	70.8	20.6	3617.9	1052.7	733	1244	5" - 12 UN	44	127	80	76	1/2" - 13 UNC	25	68
HDC-756	75	156	73	23	103.8	33	1619.3	514.8	347	503	5.3/4" - 12 UN	38	146	95	-	-	-	41
HDC-7513	75	333	73	23	103.8	33	3456.5	1098.9	525	858	5.3/4" - 12 UN	38	146	95	-	-	-	68
HDC-1006	95	168	91	43	132.7	61.8	2229.4	1038.2	357	525	6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	61
HDC-10013	95	333	91	43	132.7	61.8	4418.9	2057.9	524	857	6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	93
HDC-10018	95	460	91	43	132.7	61.8	6104.2	2842.8	687	1147	6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	117
HDC-1502	140	57	140	68	201	97.1	1145.7	553.5	196	253	8" - 12 UN	-	204	115	-	-	-	49
HDC-1506	140	156	140	68	201	97.1	3135.6	1514.8	385	541	8" - 12 UN	55	204	115	158	3/4" - 16 UNF	28	93
HDC-15013	140	333	140	68	201	97.1	6693.3	3233.4	582	915	8" - 12 UN	55	204	115	158	3/4" - 16 UNF	28	124
HDC-2006	200	152	198	98	283.4	140.3	5526.3	2132.6	430	582	-	-	247	135	127	1" - 8 UNC	25	147
HDC-20013	200	330	198	98	283.4	140.3	11998	4629.9	608	938	9.3/4" - 12 UN	54	247	135	127	1" - 8 UNC	25	199
HDC-3006	300	153	316	164	452.2	238.4	6918.7	3647.5	485	638	12.1/4" - 12 UN	58	311	165	158	1.1/4" - 7 UNC	44	200

HDC Series Double-Acting General Purpose Cylinders - Optional Tilt Saddles

Saddle Model	Compatible Cylinders
ST-50	HDC-308, HDC-3014
ST-100	HDC-506, HDC-5013, HDC-5020, HDC-756, HDC-7513

Engineering Note: Self-aligning tilt saddles reduce eccentric side-load wear up to 5 degrees.