

BMD SERIES DOUBLE ACTING CYLINDER

CAPACITY: 10-300T
 MAX. PRESSURE: 700 Bar
 HYDRAULIC RETURN



All BMD-Series cylinders can be used in high working cycle applications and are perfect for bridge lifting, hydraulic presses, and construction and maintenance applications. Cylinder body mounting threads and base mounting holes on most models allow greater mounting flexibility. All cylinders have a hard chrome piston rod, bronze overlay on the piston bearing area and retract side safety pressure relief valves to ensure long term, trouble free performance.

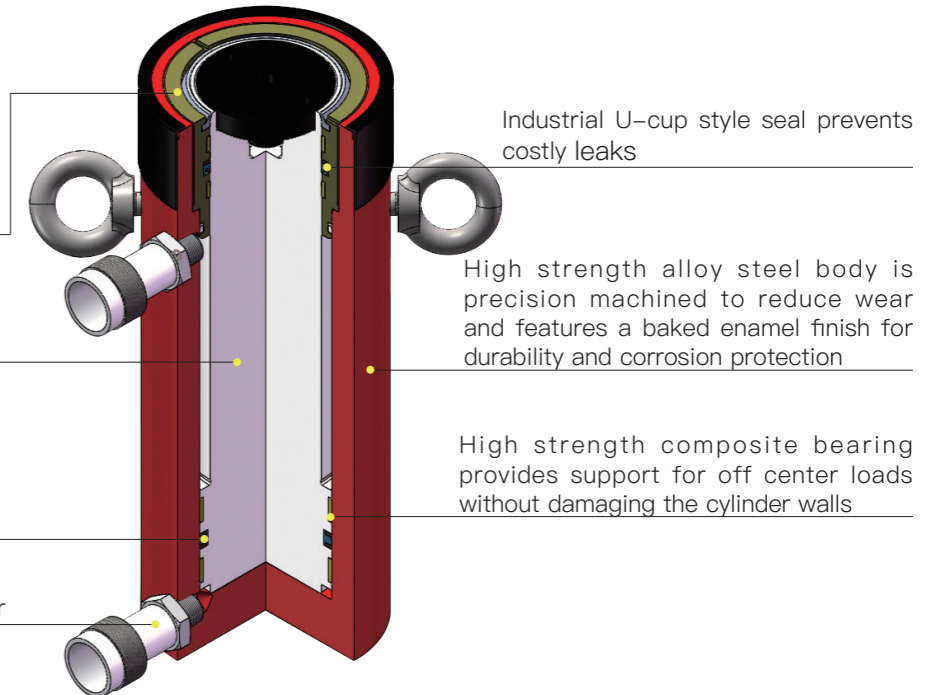
Model	Capacity @10,000 PSI (700 bar)	Stroke	Max. Capacity		Effective Area		Oil Capacity		Closed Height	Extended Height
			Push	Pull	Push	Pull	Push	Pull		
			Metric Ton	mm	Ton	Ton	cm ²	cm ²	cm ³	cm ³
BMD-1010	10	254	10	3	14.5	4.9	369	124.5	409	663
BMD-1012		305	10	3	14.5	4.9	443	149.5	457	762
BMD-308	30	209	31	6	44.2	20.4	923.8	426.4	387	596
BMD-3014		368	31	6	44.2	20.4	1626.6	769	549	917
BMD-506	50	156	49	14	70.8	20.6	1104.5	321.4	331	487
BMD-5013		334	49	14	70.8	20.6	2364.7	688	509	843
BMD-5020		511	49	14	70.8	20.6	3617.9	1052.7	733	1244
BMD-756	75	156	73	23	103.8	33	1619.3	514.8	347	503
BMD-7513		333	73	23	103.8	33	3456.5	1098.9	525	858
BMD-1006	95	168	91	43	132.7	61.8	2229.4	1038.2	357	525
BMD-10013		333	91	43	132.7	61.8	4418.9	2057.9	524	857
BMD-10018		460	91	43	132.7	61.8	6104.2	2842.8	687	1147
BMD-1502		57	140	68	201	97.1	1145.7	553.5	196	253
BMD-1506	140	156	140	68	201	97.1	3135.6	1514.8	385	541
BMD-15013		333	140	68	201	97.1	6693.3	3233.4	582	915
BMD-2006	200	152	198	98	283.4	140.3	5526.3	2132.6	430	582
BMD-20013		330	198	98	283.4	140.3	11998	4629.9	608	938
BMD-3006	300	153	316	164	452.2	238.4	6918.7	3647.5	485	638

Hardened alloy steel guide ring eliminates over travel and provides support to reduce wear from off center loads

Hardened and chromed piston reduces wear and corrosion

Industrial U-cup style seal prevents costly leaks

Standard coupler provided with dust cover



Industrial U-cup style seal prevents costly leaks

High strength alloy steel body is precision machined to reduce wear and features a baked enamel finish for durability and corrosion protection

High strength composite bearing provides support for off center loads without damaging the cylinder walls

Saddle Selection

Saddle Model	Cylinder Model
ST-50	BMD-308, 3014
ST-100	BMD-506, 5013, 5020, 756, 7513

Collar Thread	Collar Thread Length	Outside Diam.	Piston Diam.	Base Mounting Hole			Model	
				Bolt Circle	Thread	Thread Depth		
C	X	D	F	U	V	Z	kg	
mm	mm	mm	mm	mm	mm	mm		
2.1/4" - 14 UN	26	73	35	-	-	-	12	BMD-1010
2.1/4" - 14 UN	26	73	35	-	-	-	14	BMD-1012
3.5/16" - 12 UN	49	102	55	-	-	-	18	BMD-308
3.5/16" - 12 UN	49	102	55	-	-	-	29	BMD-3014
5" - 12 UN	44	127	80	-	-	-	30	BMD-506
5" - 12 UN	44	127	80	-	-	-	52	BMD-5013
5" - 12 UN	44	127	80	76	1/2" - 13 UNC	25	68	BMD-5020
5.3/4" - 12 UN	38	146	95	-	-	-	41	BMD-756
5.3/4" - 12 UN	38	146	95	-	-	-	68	BMD-7513
6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	61	BMD-1006
6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	93	BMD-10013
6.7/8" - 12 UN	50	177	95	139	3/4" - 10 UNC	25	117	BMD-10018
8" - 12 UN	-	204	115	-	-	-	49	BMD-1502
8" - 12 UN	55	204	115	158	3/4" - 16 UNC	28	93	BMD-1506
8" - 12 UN	55	204	115	158	3/4" - 16 UNC	28	124	BMD-15013
-	-	247	135	127	1" - 8 UNC	25	147	BMD-2006
9.3/4" - 12 UN	54	247	135	127	1" - 8 UNC	25	199	BMD-20013
12.1/4" - 12 UN	58	311	165	158	1.1/4" - 7 UNC	44	200	BMD-3006

Safety Practices

80% Good industry practice recommends not exceeding 80% of the max. rated capacity.

