HBS-HT HIGH TONNAGE DOUBLE-ACTING CYLINDER

200–1000 ton double-acting cylinders with hydraulic advance and retract, for bridges, heavy structures and presses.



700 bar
WORKING PRESSURE

200–1000 ton
CAPACITY

26 models
MODELS

Double-acting · hydraulic return

- Ports: 2× 3/8″ NPT/F (advance / retract)
- Replaceable saddle
- 4 threaded mounting holes in the base
- Electric pump with 4/3 valve recommended
- Max. working pressure 700 bar (10,153 psi)

MODEL TABLE

Model Code	Advance t / kN	Retract kN	Stroke mm	Closed Height A mm	Extended Height B mm	Outer Dia. D mm	Oil Adv. / Ret. cm³	Weight kg
HBS-HT-200100	200 / 2,199	962	100	320	420	265	3,142 / 1,374	121.1
HBS-HT-200150	200 / 2,199	962	150	380	530	265	4,712 / 2,062	141.5
HBS-HT-200200	200 / 2,199	962	200	450	650	265	6,283 / 2,749	166.0
HBS-HT-200300	200 / 2,199	962	300	600	900	265	9,425 / 4,123	219.3
HBS-HT-250100	250 / 2,661	1,253	100	350	450	300	3,801 / 1,791	172.0
HBS-HT-250150	250 / 2,661	1,253	150	400	550	300	5,702 / 2,686	192.6
HBS-HT-250200	250 / 2,661	1,253	200	455	655	300	7,603 / 3,581	215.8
HBS-HT-250300	250 / 2,661	1,253	300	600	900	300	11,404 / 5,372	281.4
HBS-HT-300100	300 / 3,167	1,182	100	365	465	320	4,524 / 1,689	207.1
HBS-HT-300150	300 / 3,167	1,182	150	425	575	320	6,786 / 2,533	238.1
HBS-HT-300200	300 / 3,167	1,182	200	475	675	320	9,048 / 3,377	263.0
HBS-HT-300300	300 / 3,167	1,182	300	610	910	320	13,572 / 5,066	333.7
HBS-HT-400100	400 / 4,310	1,649	100	390	490	375	6,158 / 2,356	306.0
HBS-HT-400150	400 / 4,310	1,649	150	440	590	375	9,236 / 3,534	340.0
HBS-HT-400200	400 / 4,310	1,649	200	490	690	375	12,315 / 4,712	373.6
HBS-HT-400300	400 / 4,310	1,649	300	620	920	375	18,473 / 7,069	418.6
HBS-HT-500100	500 / 4,948	1,781	100	410	510	400	7,069 / 2,545	367.6
HBS-HT-500150	500 / 4,948	1,781	150	460	610	400	10,603 / 3,817	406.7

Model Code	Advance t / kN	Retract kN	Stroke mm	Closed Height A mm	Extended Height B mm	Outer Dia. D mm	Oil Adv. / Ret. cm³	Weight kg
HBS-HT-500200	500 / 4,948	1,781	200	515	715	400	14,137 / 5,089	450.6
HBS-HT-500300	500 / 4,948	1,781	300	650	950	400	21,206 / 7,634	562.0
HBS-HT-700150	700 / 7,125	2,815	150	515	665	480	15,268 / 6,032	659.4
HBS-HT-700200	700 / 7,125	2,815	200	565	765	480	20,358 / 8,042	714.5
HBS-HT-700300	700 / 7,125	2,815	300	695	995	480	30,536 / 12,064	865.1
HBS-HT-1000150	1000 / 11,133	4,008	150	565	715	600	23,856 / 8,588	1149.5
HBS-HT-1000200	1000 / 11,133	4,008	200	615	815	600	31,809 / 11,451	1237.5
HBS-HT-1000300	1000 / 11,133	4,008	300	715	1015	600	47,713 / 17,177	1411.7

A: closed height, B: extended height, D: outer diameter. Forces are given at 700 bar. Dimensions are for information and confirmed before order. Strokes and capacities not listed are made to order.

DIMENSION DETAILS (MM)

Capacity	Outer Dia. D	Bore E	Rod Dia. F	Saddle Ø G	Base Hole Pitch U	Base Thread	Thread Depth	Shaft Protr. K
200 t	265	200	150	125	180	4× M20	25	7
250 t	300	220	160	125	200	4× M20	25	7
300 t	320	240	190	150	220	4× M20	25	7
400 t	375	280	220	180	250	4× M24	30	7
500 t	400	300	240	200	280	4× M24	30	10
700 t	480	360	280	230	340	4× M27	35	10
1000 t	600	450	360	300	430	4× M27	35	10

MANUFACTURER

Hydro Bard Mühendislik
İvedik OIZ, 1436. Cadde No:14
Yenimahalle / Ankara / Türkiye

CONTACT

+90 545 209 22 08
info@hydrobard.com

PRODUCT PAGE

hydrobard.com/en/high-tonnage-cylinder.html