



HB SERIES

feel the power at the very first beat

The relationship with our customers is at the first place for the evolution of our breakers

Enjoy your choice:

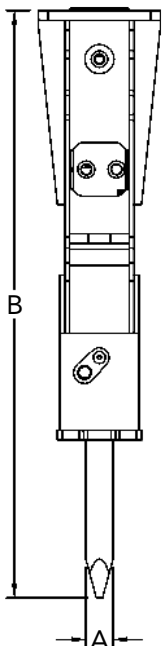
- OSA Hydraulic breakers have innovative and cutting-edge features in order to fulfill the needs at the highest of levels of an increasingly demanding market;
- The OSA HB hydraulic breakers series has been designed with the system of the inner control valves that, compared to the old system with external valves, allows to obtain bigger forces of impact, makes the speed constant also at high temperatures and protects the valves from hits. HB series has a simple and attractive design thanks to the tie-rods and the internal valve body system;
- It also has an innovative hydraulic integrated system that avoids blank hits, thus preventing tool, piston and tool retainers damages. This is a particularly "smart" system that automatically recognizes the presence of solid material under the tool. When the tool is firmly resting on the rock, the piston of the breaker begins its run releasing all its energy by hitting the tip, otherwise the piston doesn't start, avoiding the so-called "blank hits" and, at the same time, preserving not only the tie-rods and bushings, but significantly reducing the vibrations discharged on the excavator and on the operator;
- Also, the closed case, enforced with shock absorbers, restrains the noise below the limits established by law, thus allowing excavation operations in built-up areas;
- An accident-prevention system blocks the entrance of external parts into the breaker during use, thus extending the life of the equipment;
- The medium HB series maintains and improves the concept of hand variable hit. It means that the operator with a simple manual regulation can modify the relation frequency/energy of the hit. It means that when the material is very hard, the operator can reduce the hits number and increase the energy. When the material is less hard, it can increase the frequency with a simple regulation, reducing the energy discharged on the tool;
- The HB series tolerates high back pressure in the output line, thus allowing installation on any type and model of excavator.
- The medium and heavy HB series include the provision for the automatic lubrication device and for performing underwater work.

LIGHT HB SERIES

HYDRAULIC BREAKERS



LIGHT HB	U.M.	HB 70	HB 90	HB 100	HB 150	HB 180	HB 250	HB 300	HB 350	HB 450	HB 580
DIAMETRO UTENSILE (A)	mm	40	40	42	45	56	63	67	77	85	92
TOOL DIAMETER (A)	in.	1,57	1,57	1,65	1,77	2,20	2,48	2,64	3,03	3,35	3,62
ALTEZZA CON UTENSILE (B)	mm	950	950	1035	1035	1210	1280	1300	1480	1600	1800
HEIGHT WITH CHISEL (B)	in.	37	37	41	41	48	50	51	58	63	71
PESO ESCAVATORE	Ton	0,8/1,5	1/1,8	1,2/2,0	1,5/2,5	2,5/4,5	3/5,5	4/6	6/9	7/10	7/14
EXCAVATOR WEIGHT	lbs	1400/3000	1400/3000	1000/4000	3000/5000	5000/9000	6000/1100	8000/1200	12000/180	14000/200	14000/280
PESO DEMOLITORE IN CONDIZIONI DI LAVORO	Kg.	80	100	115	155	200	160	300	405	480	670
OPERATING TOTAL WEIGHT	lbs	176,4	220,5	253,5	341,7	440,9	573,2	661,4	829,9	1058,2	1477,1
PRESSIONE OLIO	Bar	60/130	60/130	90/120	90/120	90/120	100/130	100/130	110/140	90/140	130/150
OIL PRESSURE	psi	870/1885	870/1885	1305/1740	1305/1740	1450/1885	1450/1885	1450/1885	1595/2031	1305/2031	1885/2176
PORTATA OLIO	L/min	18/25	18/25	20/35	20/35	25/50	30/60	30/70	60/90	60/100	70/100
OIL CAPACITY	gal/	5/7	5/7	5/9	5/9	7/13	9/16	8/18	16/24	16/26	26/18
FREQUENZA COLPI	c/min	930/1300	700/1400	930/1300	700/1400	600/1200	500/1000	450/900	400/850	400/800	400/850
STRIKE FREQUENCY	s/min	930/1300	700/1400	930/1300	700/1400	600/1200	500/1000	450/900	400/850	400/800	400/850
ENERGIA PER COLPO	joule	150	155	160	190	330	450	550	750	850	1300
STRIKE ENERGY	ft lbs	111	114	118	140	243	332	406	553	627	959
PESO DEMOLITORE	Kg.	70	90	100	140	180	240	280	380	450	580
EQUIPMENT WEIGHT	lbs	154,3	198,4	220,5	308,6	396,8	529,1	617,3	837,8	992,1	1278,7
CONTRO PRESSIONE	Bar	20/25	20/25	20/25	20/25	20/25	20/25	20/25	20/25	20/25	20/25
BACK PRESSURE	psi	290/362	290/362	290/362	290/362	290/362	290/362	290/362	290/362	290/362	290/362

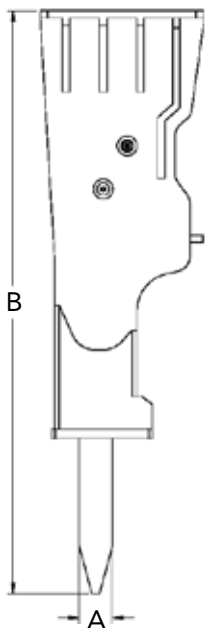


MEDIUM HB SERIES

HYDRAULIC BREAKERS



MEDIUM HB	U.M.	HB 910	HB 1250	HB 1500	HB 1700	HB 1900	HB 2500
DIAMETRO UTENSILE (A)	mm	102	125	135	138	140	150
TOOL DIAMETER (A)	in.	4,02	4,92	5,31	5,43	5,51	5,91
ALTEZZA CON UTENSILE (B)	mm	2050	2280	2400	2420	2430	2650
HEIGHT WITH CHISEL (B)	in.	81	90	94	95	96	104
PESO ESCAVATORE	Ton	12/16	15/18	16/22	18/22	18/24	24/36
EXCAVATOR WEIGHT	lbs	24000/35000	33000/39000	35000/48000	39000/48000	39000/52000	52000/79000
PESO DEMOLITORE IN CONDIZIONI DI LAVORO	Kg.	1020	1340	1630	1860	2000	2750
OPERATING TOTAL WEIGHT	lbs	2248,7	2954,2	3593,5	4100,6	4409,2	6062,7
PRESSIONE OLIO	Bar	150/170	150/170	130/160	130/160	130/150	140/160
OIL PRESSURE	psi	2176/2466	2176/2466	1885/2321	1885/2321	1885/2176	2031/2321
PORTATA OLIO	L/min	80/110	90/120	150/210	150/230	180/230	250/270
OIL CAPACITY	gal/min	21/29	24/32	40/55	40/61	48/61	66/71
FREQUENZA COLPI	c/min	300/700	300/700	350/550	350/600	350/600	350/600
STRIKE FREQUENCY	s/min	300/700	300/700	350/550	350/600	350/600	350/600
ENERGIA PER COLPO	joule	2000	3000	4000	4200	4500	6000
STRIKE ENERGY	ft lbs	1475	2213	2950	3098	3319	4425
PESO DEMOLITORE	Kg.	900	1200	1480	1710	1850	2500
EQUIPMENT WEIGHT	lbs	1984,2	2645,5	3262,8	3769,9	4078,6	5511,6
CONTRO PRESSIONE	Bar	20/25	20/25	20/25	20/25	20/25	20/25
BACK PRESSURE	psi	290/362	290/362	290/362	290/362	290/362	290/362
TUBO D'INGRESSO INPUT HOSE		BPS SAE 6000 3/4	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1 1/4
TUBO D'USCITA OUTPUT HOSE		BPS SAE 6000 3/4	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1	BPS SAE 6000 1 1/4



HEAVY HB SERIES

HYDRAULIC BREAKERS



HEAVY HB	U.M.	HB 3000	HB 4000	HB 5000	HB 6000	HB 8000	HB 10000
DIAMETRO UTENSILE (A)	mm	160	175	185	200	220	240
TOOL DIAMETER (A)	in.	6,30	6,89	7,09	7,95	8,07	9,45
ALTEZZA CON UTENSILE (B)	mm	2980	3180	3250	4000	4500	5000
HEIGHT WITH CHISEL (B)	in.	117	125	128	157	177	197
PESO ESCAVATORE	Ton	30/40/	38/60	45/70	60/100	65/110	90/140
EXCAVATOR WEIGHT	lbs	60000/80000	76000/120000	90000/140000	120000/200000	130000/220000	180000/280000
PESO DEMOLITORE IN CONDIZIONI DI LAVORO	Kg.	3300	4300	5100	6000	8000	10000
OPERATING TOTAL WEIGHT	lbs	7257,3	9479,9	11243,6	13227,7	17637,0	22046,2
PRESSIONE OLIO	Bar	140/160	140/190	160/190	170/210	170/210	170/210
OIL PRESSURE	psi	2031/2321	2031/2757	2321/2756	3046/2466	2466/3046	2466/3046
PORTATA OLIO	L/min	260/320	280/340	260/360	310/390	350/420	450/530
OIL CAPACITY	gal/min	69/85	74/90	69/95	82/103	92/111	119/140
FREQUENZA COLPI	c/min	250/500	250/500	250/500	250/360	280/350	250/320
STRIKE FREQUENCY	s/min	250/500	250/500	250/500	250/360	280/350	250/320
ENERGIA PER COLPO	joule	9500	12000	13700	14500	17000	19000
STRIKE ENERGY	ft lbs	7007	8851	10105	10695	12539	14014
PESO DEMOLITORE	Kg.	3000	3900	4700	5500	7500	10000
EQUIPMENT WEIGHT	lbs	6613,9	8598,0	10361,7	12125,4	16534,7	22046,2
CONTRO PRESSIONE	Bar	20/25	20/25	20/25	20/25	20/25	20/25
BACK PRESSURE	psi	290/362	290/362	290/362	290/362	290/362	290/362
TUBO D'INGRESSO INPUT HOSE		BPS SAE 6000 1 1/4	BPS SAE 6000 1 1/4	BPS 1 1/4	BPS 1 1/4	BPS 1 1/4	BPS 1 1/4
TUBO D'USCITA OUTPUT HOSE		BPS SAE 6000 1 1/4	BPS SAE 6000 1 1/4	BPS 1 1/4	BPS 1 1/4	BPS 1 1/4	BPS 1 1/4

