

Professional Manufacturer
of Hydraulic Breaker



HOLLIS
HYDRAULIC BREAKER

PLEASE CONTACT

ADVANTAGE OF REAL MANUFACTURER

1

Raw Material

2

Cnc Processing

3

Maching Center Processing

4

Milling Machine

5

Heat Treatment

6

Cylinder Grinding

7

Main Valve Hole Grinding

8

Piston Grinding

9

Assembling

10

Packaging

11

Putting Into Wooden Case

12

Delivery

HYDRAULIC BREAKER MAIN STRUCTURE

■ Back Head
 Installed the oil connections (input /output) and the gas valve
 - Maximized energy
 The nitrogen gas in the back head is compressed once the piston moves upward by the oil pressure and accumulation of the energy, which is converted into the blow energy effectively as the piston descends.

■ Valve System
 Easy to access of the external control valve.
 - Cylinder Regulator
 The regulator increases working efficiency with regulating the breaker power and the number of impacts by controlling moving distance of the piston.
 - Valve Regulator
 The Valve controls the oil flow and the rated pressure in the breaker.

■ Accumulator
 The accumulator is composed of a rubber film, is compressed by the nitrogen gas in the upper part and is connected with the cylinder at the blow part.

■ Cylinder
 The minimum hydraulic system enables the breaker to maximize efficiency for reciprocation of the piston where high and low tension circulates.
 - Cylinder Stability
 The cylinder is manufactured by a precision machinery with the appropriate quality assurance, offering quality satisfaction.

■ Piston
 The piston is installed in the cylinder, which converts the oil pressure into the impact power to break rocks.

- Durability
 Quality proven materials in intensity, anti-wear, heat resistance, tenacity, anti-impact, internal pressure lengthen the life of piston.

- Post Management
 The appropriate quality assurance system offers quality satisfaction.

■ Through Bolt
 The 4 units of the bolts firmly fix the important components onto the breaker.

■ Front head
 The front head supports the breaker and assembly with the bush, buffering shocks from the chisel.



TYPE OF CHISEL	APPLICATION
Universal (Conical)	Breaking concrete, Rock and pavement
Moil (Pyramid)	Breaking concrete, Rock and pavement
Wedge H	Mining, foundation, trenching, demolition, finishing slopes
Wedge V	Mining, foundation, trenching, demolition, finishing slopes
Flat end (Blunt)	Mining, breaking oversize, Demolition

BOX TYPE
HYDRAULIC BREAKER



Product features
leading heat treatment technology, enhance heat resistance, wear resistance.
Under the condition of keeping the oil pressure constant, the cylinder volume is reduced and the fuel consumption is reduced.
The self-developed core is adopted to make the piston cylinder body more durable and the service life longer.
Exposed decks are made of high-strength steel plates to reduce wear.
The best efficiency matching with excavator and loader is realized.



Inward Valve type without accumulator													
Model	Unit	Small Range						Medium Range					
		HLS100	HLS200	HLS300	HLS350	HLS400	HLS430	HLS450	HLS800	HLS1600	HLS2000	HLS2200	HLS2200A
Suitable Excavator	ton	0.8-2.5	1.2-3.0	2.5-4.5	3.0-5.5	4-7	6-9	7-14	10-15	15-18	18-26	18-26	18-26
Operating Weight	kg	113	139	168	247	325	413	629	948	1427	1650	1978	1978
Required Oil Flow	l/min	15-30	20-40	25-50	30-60	40-70	50-90	60-100	80-110	90-120	100-150	120-180	120-180
Setting Pressure	bar	150	150	150	150	170	180	190	200	210	210-230	210-230	210-230
Operating pressure	bar	90-120	90-120	90-120	100-130	110-140	120-150	130-160	150-170	150-170	160-180	160-180	160-180
Impact Energy	joule	203	271	406	542	677	1017	1355	2033	2711	3423	4067	4067
Impact Rate	bpm	800-1400	700-1200	600-1100	500-1000	500-900	400-800	400-800	350-700	350-650	350-600	350-500	350-500
Hose Diameter	inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1	1
Noise level	dB	106	107	109	117	109	115	112	114	115	120	118	118
Tool Diameter	mm	40	45	53	60	68	75	85	100	125	135	140	140

Inward valve type with accumulator			Outward valve type with Accumulator										
Large Range			Medium Range		Large Range								
HLS3500	HLS3500F	HLS4500	HLS1500G	HLS2000G	HLS3000G	HLS4000G	HLS6000F	HLS8000	HLS8000P	HLS9000	HLS9500	HLS10000	HLS12000
30-40	30-40	35-40	12-18	18-25	25-33	35-45	35-45	40-55	50-55	50-70	50-70	60-80	70-80
2983	3399	4390	1463	1766	2519	3076	/	/	/	/	/	/	/
200-260	200-260	210-290	115-150	125-160	175-220	200-250	220-290	240-290	260-280	260-300	260-300	300-350	320-350
240-260	240-260	260-280	210	210-230	210	210	290-300	300-310	300-310	300-310	300-310	310-330	310-330
180-200	180-200	180-200	160-180	160-180	160-180	160-180	220-280	220-280	260-280	220-280	260-280	260-320	280-320
8812	10846	12202	2646	3692	5193	10388	14302	17088	19322	21360	23543	25632	27057
250-400	250-350	250-350	350-650	350-600	300-450	300-400	200-250	180-200	160-200	150-200	150-200	150-200	120-180
1-1/4	1-1/4	1-1/4	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
123	124	125	114	120	120	123	125	125	125	125	125	125	125
165	165	175	120	135	150	160	185	195	195	200	205	210	220



TOP TYPE
HYDRAULIC BREAKER

Product features
strong impact power;
excellent environmental performance;
exquisite manufacturing technology;
easy maintenance, fast after-sales service.



		Inward Valve type without accumulator											
		Small Range						Medium Range					
Model	Unit	HLS100	HLS200	HLS300	HLS350	HLS400	HLS430	HLS450	HLS800	HLS1600	HLS2000	HLS2200	HLS2200A
Suitable Excavator	ton	0.8-2.5	1.2-3.0	2.5-4.5	3.0-5.5	4-7	6-9	7-14	10-15	15-18	18-26	18-26	18-26
Operating Weight	kg	77	121	148	224	321	407	638	979	1463	1698	2050	2050
Required Oil Flow	l/min	15-30	20-40	25-50	30-60	40-70	50-90	60-100	80-110	90-120	100-150	120-180	120-180
Setting Pressure	bar	150	150	150	150	170	180	190	200	210	210-230	210-230	210-230
Operating pressure	bar	90-120	90-120	90-120	100-130	110-140	120-150	130-160	150-170	150-170	160-180	160-180	160-180
Impact Energy	joule	203	271	406	542	677	1017	1355	2033	2711	3423	4067	4067
Impact Rate	bpm	800-1400	700-1200	600-1100	500-1000	500-900	400-800	400-800	350-700	350-650	350-600	350-500	350-500
Hose Diameter	inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1	1
Noise level	dB	106	107	109	117	109	115	112	114	115	120	118	118
Tool Diameter	mm	40	45	53	60	68	75	85	100	125	135	140	140

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30-40	30-40	35-40	12-18	18-25	25-33	35-45	35-45	40-55	50-55	50-70	50-70	60-80	70-80
3151	3503	4216	1479	1787	2591	3158	4809	5164	5504	6408	6505	7393	7508
200-260	200-260	210-290	115-150	125-160	175-220	200-250	220-290	240-290	260-280	260-300	260-300	300-350	320-350
240-260	240-260	260-280	210	210-230	210	210	290-300	300-310	300-310	300-310	300-310	310-330	310-330
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1-1/4	1-1/4	1-1/4	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
123	124	125	114	120	120	123	125	125	125	125	125	125	125
165	165	175	120	135	150	160	185	195	195	200	205	210	220