

Hydraulic breakers Brochure

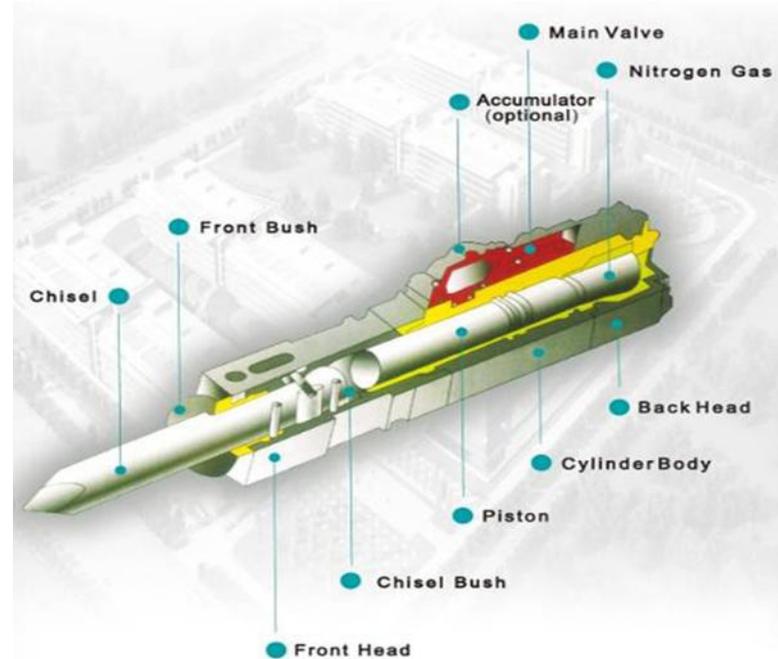
sjheavy.com



DN HYDRAULIC BREAKERS

When it comes to rock breaking, demolition, mining quarry and building roads, do not hesitate, DN hydraulic breaker is your choice of pros!

The patented design and cutting-edge technology of DN rock breakers guarantees high efficiency performance, long lifespan, and unbeatable toughness, which eventually protects your investment.



main features

EASY FOR MAINTENANCE: With fewer components, and only 2 moving parts, DN hydraulic breakers are easy for maintenance at less cost.

SMART ENERGY RECOVERY SYSTEM: Utilizing automatic piston recoil energy to increase the performance without additional hydraulic input which lowers vibrations.

LONG LIFESPAN AND LOW OPERATING COST: Wide range of working flow and low operating pressure relieve hammers pressure for smooth operation, which eventually strengthen lifespan and make your money valued.

LOW NOISE LEVELS: Box-silenced type body with inner damping cubes dramatically keeps noise levels down, essential in high population areas.

SURVIVAL THROUGH TOUGHEST CONDITIONS: High-strength alloy plate steel under in-house specialized heat treatment enables it withstanding the most challenging environments.

HYDRAULIC BREAKERS

DN small range Hydraulic Breakers

When considering a hydraulic rock breaker for mini excavators of 0.8-4.5 tons, it is absolutely essential to guarantee your hammer compatible with the power requirement and efficiency as much as required. DN rock breakers adapt a wide range of oil flow and operating pressure, to make sure excellent performance applied to pavement and concrete applications or breaking in demolition.

High flow rates and low operating pressures, configured for today's mini excavators and skid steers for efficient use of the carrier's hydraulic circuit. This minimizes heat generation and hydraulic shock loading for smooth operation and maximum service life for both the carrier and breaker, reducing operating costs.



SMALL RANGE					
Description	unit	DN 400	DN 450	DN 530	DN 600
Operating Weight(side/top/box)	kg	70/72/102	95/95/126	138/138/152	180/180/224
Length(side/top/box)	mm	910/1086/1190	1090/1235/1331	1178/1344/1417	1239/1460/1472
Working Flow	liter/min	15-25	20-30	25-50	30-60
Oil Pressure	kg/cm2	160	160	160	160
Working Pressure	kg/cm2	90-120	90-120	90-120	100-130
Impact Rate	bpm	800-1400	700-1200	600-1000	500-1000
Chisel Diameter	mm	ϕ40	ϕ45	ϕ53	ϕ60
Impact energy	joule	190	350	550	600
Suitable bucket	m3	0.07	0.03-0.1	0.06-0.2	0.06-0.2
Suitable Carrier	ton	0.8-2.5	1.2-3.0	2.5-4.5	3-5.5

DM *medium range Hydraulic Breaker*

DN mid-size hydraulic breaker hammers are produced for excavators of 4-21 tons, they are born to get tough jobs done, built to power your productivity in building construction, gardening&landscaping, tunneling and a variety of earthworks.

Long stroke, pressure balanced piston design, provides high levels of constant blow energy, optimizing bpms and blow energy.



MEDIUM RANGE						
Description	unit	DN 680	DM750	DM850	DM1000	DM1350
Operating Weight(side/top/box)	kg	263/263/299	334/335/375	559/569/589	761/866/861	1653/1847/1790
Length(side/top/box)	mm	1373/1684/1660	1515/1706/1712	1735/2120/2074	1994/2387/2354	2423/2900/2847
Working Flow	liter/min	40-70	50-90	60-100	80-110	130-170
Oil Pressure	kg/cm2	170	170	190	190	210
Working Pressure	kg/cm2	110-140	120-150	127-147	150-170	160-185
Impact Rate	bpm	500-900	400-800	400-800	350-700	400-650
Chisel Diameter	mm	¢68	¢75	¢85	¢100	¢135
Impact energy	Joule	800	1000	1800	2100	3800
Suitable bucket	m3	0.15-0.3	0.2-0.35	0.4-0.6	0.4-0.6	0.6-1.0
Suitable Carrier	ton	4-7	6-9	7-14	10-15	16-21

HYDRAULIC BREAKERS

DM large range Hydraulic Breaker

DN heavy duty excavator rock hammers are designed for both efficiency and strength without compromising longevity. The optimized design piston and additional accumulator installation boost energy generation for optimum breaker performance, together with selected material allowing it working under the toughest conditions.

High-strength alloy plate steel under in-house specialized heat treatment enables it withstanding the most challenging environments.



LARGE RANGE					
Description	unit	DM 1400	DM 1550	DM1650	DM1750
Operating Weight(side/top/box)	kg	1774/2059/1866	2577/2745/2968	2751/3156/2916	3905/4057/3902
Length(side/top/box)	mm	2480/2866/2793	2776/3102/3075	2820/3285/3337	3184/3812/3723
Working Flow	liter/min	120-180	180-240	200-260	200-260
accumulator	/	Optional	Yes	Yes	yes
Working Pressure	kg/cm2	160-185	170-200	160-180	180-210
Impact Rate	bpm	350-500	300-450	250-400	200-350
Chisel Diameter	mm	ϕ140	ϕ155	ϕ165	ϕ175
Impact energy	Joule	4500	7500	10000	13000
Suitable Carrier	ton	18-26	28-35	30-40	35-45

DN Hydraulic Breaker working tools



Blunt type



Moil point



Wedge type

Application



Construction
Demolition
Excavating
Quarrying
Trenching
Mining
Landscaping