

HYDRAULIC BREAKER

SQ Premium Line





Reliable & Hard-Hitting BREAKERS

The SQ PREMIUM Line is the latest technologically advanced breakers offered from SOOSAN and delivers the most powerful hitting force yet!

The SQ PREMIUM Line additionally integrates features increase productivity, lower cost of operation and improves operator convenience; all to provide the best overall breaker value available in the market today.



SODASAN SQ140

EasyLube

SQ PREMIUM LINE

The SQ Line is Soosan's latest and most advanced hydraulic breaker. It represents the culmination of over four decades of expertise in breaker technology since the company's founding in 1984.

Through continuous collaboration and feedback from our global customers, Soosan has gained valuable product and application insights across the quarry, mining, and construction industries. The SQ Line is a highly innovative hydraulic breaker that enhances the performance of the percussion mechanism while offering improved durability and easier maintenance compared to the existing SB Line.

Advanced Design Technology for Enhanced Output Energy

The renowned power and performance of the SB Line hydraulic breakers have been further enhanced with the SQ Line. With design improvements to the percussion mechanism, the SQ Line offers increased reliability and optimized heavy-duty operation.

Enhanced Vibration Dampening & Noise Suppression System

The SQ Line complies with strict international noise regulations, reducing environmental noise and enhancing operator comfort.

Optimized Convenience & Productivity Features

The IPC & ABH System, built-in automatic lubrication system (EasyLube), and various advanced functions maximize operator convenience and productivity.

Easy Service & Maintenance

The service panel allows direct and easy access to key components without the need to remove the power cell from the housing.



UNIQUE TECHNOLOGY

SQ EasyLube (SQ35-SQ181)

* EasyLube is Soosan Automatic Lubrication system as a new concept in the market.

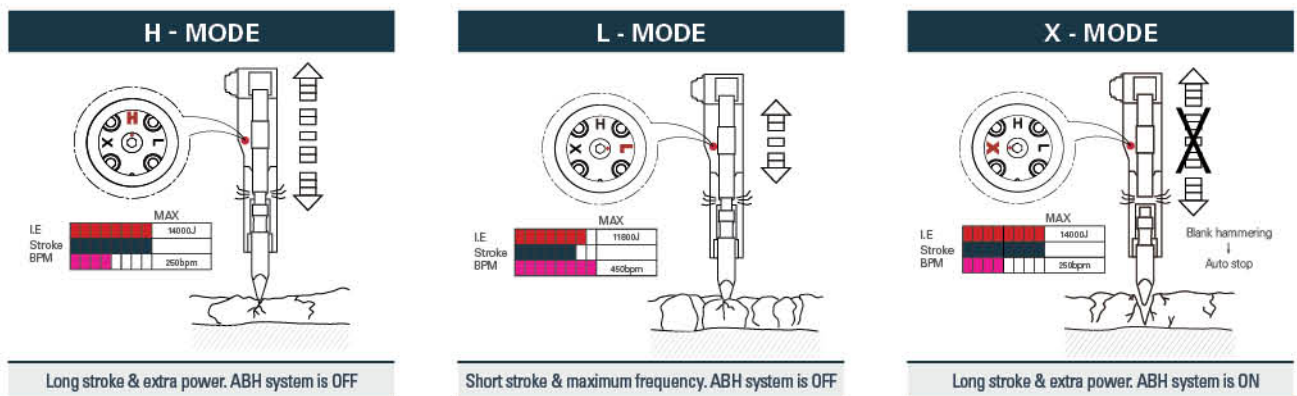
Next-Gen hydraulic breaker - EASYLUBE

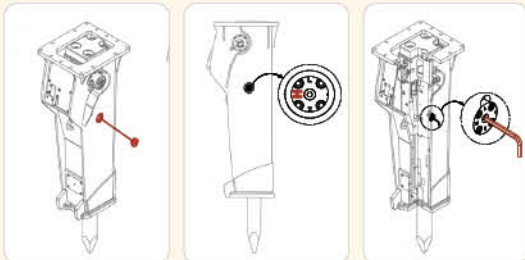
- Auto-greaser pump built in to the power cell
- No fitting or hose connections required
- Easy maintenance & grease cartridge replacement
- Cost-effective to operate
- Can be plugged when grease cartridge is not in use (Operator selectable)



IPC & ABH System Control (SQ60-SQ181)

* Integrated Power Control and Anti-Blank Hammering





Selector switch offers three operating modes and can be simply altered to each mode :

- **H - mode :** Long stroke with maximum power, ABH is off
- **L - mode :** Short stroke with maximum frequency, ABH is off
- **X - mode :** Long stroke with maximum power, ABH is on (Blank hammering → Auto stop)
- **Easy start**

SMALL RANGE BREAKERS

Soosan designs, manufactures, and provides reliable, cost-effective compact SQ breakers for all makes and models of skid loaders, track loaders, compact excavators, and backhoe loaders.

Advanced Power Control

This feature optimizes breaker power and blow frequency to meet job site requirements. Operators can choose from three stroke options to enhance production efficiency while reducing operating and maintenance costs.

Fewer Components, Less Maintenance

The simple structure of SQ small breaker reduces maintenance costs.

High Power-to-Weight Ratio

High-quality materials and advanced technology result in reduced weight and exceptional performance.



FAST FACTS

- Patented built-in valve system
- Slip-fit lower bushing
- Accumulator free design
- Fits all makes and models of skid & track loaders and compact excavators
- Unique built-in auto lubrication and advanced power control system (Available on SQ35-SQ50 EasyLube)

SQOSAN SQ40
EasyLube



MEDIUM-HEAVY RANGE BREAKERS

SQ medium and heavy breakers are designed for operators to maximize productivity with unique features.



Slim Profile with Robust Structure

The slim profile enhances visibility in narrow trench work. Hardox steel reinforcements at the lower end of the housing protect the casing and power cell.

IPC & ABH system

The IPC (Integrated Power Control) and ABH (Anti-Blank Hammering) system allow operators to choose from three different modes. The automatic anti-blank hammering function can be turned on or off as needed. Operators can select the optimal mode, ranging from high frequency with normal power to low frequency with extra power. With this advanced system, they can easily adjust to the most efficient operating mode in just minutes, ensuring optimal performance based on site requirements.

Auto Shut-Off & Easy Start

The hydraulic breaker operation can automatically stop to prevent damage to the power cell caused by blank hammering. This is especially useful in secondary breaking or when operated by an unskilled user. Restarting the hydraulic breaker is simple—just apply light pressure to the chisel on the work surface.

Tie Bolt Nut Locking Device

This prevents damage to the power cell caused by the loosening of the tie bolt.

SDR (Soosan Data Recording) / Option

This device provides various information such as location, operating time, etc.





Unique built-in auto lubrication system (available on SQ60~SQ181 EasyLube)

FAST FACTS

- Anti-blank firing and easy start function
- Variable blow frequency and impact power
- Equipped with swivel hose adapters
- Anti-dust protection
- Improved vibration and noise damping system
- iF Design Award Winner
- Available in 9 models, compatible with all makes and models of carriers

SMALL RANGE BREAKERS



Applications

- Curb and gutter repairs
- Site preparation
- Municipal and government public works
- Infrastructure projects
- Foundation work
- Road construction
- Demolition work
- General construction work

Description	Unit	SQ10	SQ20	SQ30	SQ35 EasyLube	SQ40 EasyLube	SQ43 EasyLube	SQ45 EasyLube	SQ50 EasyLube
Impact Energy	J	250	375	450	550	800	1,100	1,500	2,000
Operating Weight	kg(lb)	104 (229)	130 (287)	156 (344)	231 (509)	299 (659)	379 (836)	566 (1,248)	845 (1,863)
Required Oil Flow	l/min (gal/min)	15~35 (4.0~9.2)	20~45 (5.3~11.9)	25~55 (6.6~14.5)	30~65 (7.9~17.2)	40~75 (10.6~19.8)	50~90 (13.2~23.8)	60~110 (15.9~29.1)	80~120 (21.1~31.7)
Operating Pressure	bar (psi)	90~120 (1,305~1,740)	90~120 (1,305~1,740)	90~120 (1,305~1,740)	100~130 (1,450~1,885)	110~140 (1,595~2,031)	120~150 (1,740~2,176)	130~160 (1,885~2,321)	150~170 (2,176~2,466)
Short Stroke		N/A	N/A	N/A	960~1,690	900~1,650	800~1,330	740~1,195	650~1,020
Impact Rate	Middle Stroke	bpm	N/A	N/A	800~1,290	790~1,220	699~1,130	670~1,030	590~880
	Standard Stroke		800~1,530	700~1,320	600~1,250	620~1,040	570~1,020	540~800	525~850
Hose Diameter	in	3/8, 1/2	3/8, 1/2	1/2	1/2	1/2	1/2	3/4	3/4
Tool Diameter	mm (in)	40 (1.6)	45 (1.8)	53 (2.1)	60 (2.4)	68 (2.7)	75 (3.0)	85 (3.3)	100 (3.9)
Applicable Carrier	ton (lbs)	0.8~2.5 (1,700~5,500)	1.2~3.0 (2,600~6,600)	2.0~4.5 (4,400~9,900)	3~6 (6,600~13,200)	4~9 (8,800~19,800)	5~12 (11,000~26,500)	7~15 (15,400~33,000)	9~16 (19,800~35,300)
Noise Level	dB(A)	106	107	109	117	109	115	112	114

* Note : The above specifications are subject to change without notice.

MEDIUM-HEAVY RANGE BREAKERS



Applications

- Primary and secondary breaking in quarries
- Site preparation and foundation works
- Road construction
- Demolition works and breaking heavily reinforced concrete structures
- Trenching
- Tunneling
- Bench leveling
- General construction work

Description	Unit	SQ60 EasyLube	SQ70 EasyLube	SQ80 EasyLube	SQ100 EasyLube	SQ120 EasyLube	SQ130 EasyLube	SQ140 EasyLube	SQ150 EasyLube	SQ181 EasyLube
Impact Energy	J	3,000	4,000	5,000	6,000	7,500	8,500	10,000	12,000	15,000
Operating Weight	kg (lb)	1,607 (3,543)	1,759 (3,878)	2,053 (4,526)	2,185 (4,817)	2,671 (5,889)	3,033 (6,687)	3,169 (6,986)	3,950 (8,708)	5,889 (12,983)
Required Oil Flow	l/min (gal/min)	90~120 (23.8~31.7)	100~150 (26.4~39.6)	120~180 (31.7~47.6)	150~210 (39.6~55.5)	180~240 (47.6~63.4)	200~260 (52.8~68.7)	200~260 (52.8~68.7)	210~290 (55.5~76.6)	350~450 (92.5~118.9)
Operating Pressure	bar (psi)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	160~180 (2,321~2,611)	180~200 (2,611~2,901)
Impact Rate	H-mode	350~650	350~600	350~500	300~450	300~450	250~400	200~350	200~350	200~300
	X-mode	bpm 350~650	350~600	350~500	300~450	300~450	250~400	200~350	200~350	200~300
	L-mode	600~850	500~850	500~700	430~580	430~580	380~550	300~500	320~470	300~400
Hose Diameter	in	1	1	1	1	1¼	1¼	1¼	1¼	1¼
Tool Diameter	mm (in)	125 (4.9)	135 (5.3)	140 (5.5)	150 (5.9)	155 (6.1)	165 (6.5)	165 (6.5)	175 (6.9)	200 (7.9)
Applicable Carrier	ton (lbs)	15~18	16~21	18~26	25~35	28~38	30~45	33~48	40~55	50~90
Noise Level	dB(A)	115	120	118	120	123	124	124	125	125

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