

SOOSAN

HYDRAULIC BREAKERS

SB Line[TR-F Series] (Trench/Semi Box Type)

SB Line[TS-P Series] (Box Silenced Type)



SB Line[Backhoe Series]

SQ Line[Premium Series]

About SOOSAN

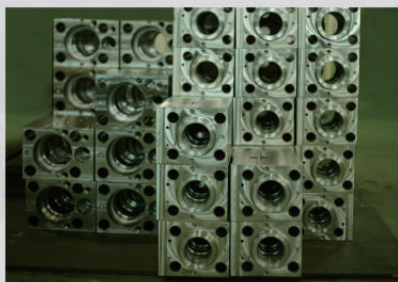
As one of the world's largest and oldest manufacturers of hydraulic breaker, SOOSAN Heavy Industries Co., Ltd, has been committed to the development and manufacturing of quality products and product support since its establishment in 1984.

Since the first breaker rolled out in 1984, the ingenious and patented design of SOOSAN breakers have received recognitions for its superb performance from worldwide customers.

SOOSAN's core competence is indigenous engineering capability and stringent quality control by full in-house production, which it separates SOOSAN from other competitors which do not have own R&D and production facilities. SOOSAN breakers have been most widely accepted in many different markets across the world and have been regarded as a benchmark in the industry.

In-house production and heat treatment

Allows continuous technical developments, maintain homogenizing quality level



Raw materials



Machining ; MCT process



Heat treatment



Testing process



Assembly



Final machining ; Grinding,
super finishing

Housing
assembly

Painting

PDI(Pre-Delivery
Inspection)

Delivery



SB LINE TR-F SERIES

Most widely accepted breakers in the world with the highest power to weight ratio.



Features & advantages ;

- Robust structure of box housing.
- Vibration dampening system ;
 - Dual recoil-absorbing urethane cushions
 - Operator friendly with low vibration

Applications ;

- Primary and secondary breaking in quarry
- Site preparation, foundation works
- Mine sites
- Road construction
- Demolition works, highly reinforced concrete
- Trenching
- Tunneling
- Bench leveling
- General construction works

Specifications

Description	Unit	SB50TR-F	SB60TR-F	SB70TR-F	SB81TR-F	SB100TR-F	SB121TR-F	SB130TR-F	SB147TR-F	SB151TR-F	SB200TR-F
Operating Weight	kg (lbs)	973 (2,145)	1,330 (2,932)	1,544 (3,404)	1,830 (4,035)	2,065 (4,727)	2,781 (6,131)	2,996 (6,605)	3,314 (7,306)	3,833 (8,450)	7835 (17,274)
Carrer weight	ton (lbs)	11~16 (24,500-36,000)	15~18 (33,000-40,000)	16~21 (40,000-46,000)	18~26 (40,000-58,000)	25~30 (55,000-66,000)	28~35 (62,000-77,000)	30~45 (66,000-100,000)	28~45 (62,000-100,000)	40~55 (88,000-121,000)	50~90 (110,000-198,000)
Height	mm (inch)	2,325 (91.5)	2,592 (102)	2,682 (105.6)	2,813 (110.7)	3,063 (120.6)	3,215 (126.6)	3,392 (133.5)	3,605 (142)	3,736 (147)	4,340 (171)
Required oil flow	l/min (g/min)	80~110 (21.1~29.1)	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 (50.8~68.7)	200~260 (50.8~68.7)	210~290 (55.5~76.6)	400~500 (105~132)
Operating pressure	bar (psi)	150~170 (2,134~2,418)	150~170 (2,134~2,418)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	170~190 (2,418~2,702)
Impact Rate	bpm	350~700	350~650	350~600	350~500	300~450	300~450	250~400	H-Mode : 250~350 L-Mode : 300~450	200~350	H-Mode : 300~400 L-Mode : 200~300
Tool Diameter	mm (inch)	100 (3.9)	125 (4.9)	135 (5.3)	140 (5.5)	150 (5.9)	155 (6.1)	165 (6.5)	165 (6.5)	175 (6.9)	210 (8.2)

* The above specifications are subject to change without prior notice.

SB LINE TS-P SERIES

Fully closed housing with noise vibration dampening system.



Features & advantages ;

- High-efficiency "SB" percussion system
- Auto greasing connection (from SB60 TS-P)
- Fully enclosed housing with robust structure
- Vibration & noise dampening system
 - Urethane cushions and wear plates
 - Operator-friendly : less recoil & less noise
- Hardox reinforced housing
- Valve adjuster for impact rate control (SB60 TS-P ~ SB151 TS-P)

Applications ;

Compact range

- Building renovation
- Landscaping, gardening
- Trenching
- Demolition, non-reinforced concrete
- General construction works

Medium & Heavy-duty range

- Primary and secondary breaking in quarry
- Site preparation, foundation works
- Mine sites
- Road construction
- Demolition works, highly reinforced concrete
- Trenching
- Tunneling
- Bench leveling
- General construction works



Specifications

Compact range

Description	Unit	SB10Ⅱ TS-P	SB20Ⅱ TS-P	SB30Ⅱ TS-P	SB35Ⅱ TS-P	SB40Ⅱ TS-P	SB43Ⅱ TS-P
Operating weight	kg (lbs)	102 (225)	126 (278)	152 (335)	224 (494)	295 (650)	375 (827)
Carrier weight	ton (lbs)	0.8~2.5 (1,764~5,511)	1.2~3.0 (2,645~6,614)	2.5~4.5 (5,511~9,920)	3.0~5.5 (6,614~12,125)	4.0~7.0 (8,818~15,432)	6.0~9.0 (13,228~19,841)
Height	mm (inch)	1,135 (44.7)	1,213 (47.8)	1,317 (51.9)	1,472 (58.0)	1,620 (63.8)	1,899 (74.8)
Required oil flow	l/min (g/min)	15~30 (4.0~8.0)	20~40 (5.3~10.6)	25~50 (6.6~13.2)	30~60 (7.9~16.0)	40~70 (10.6~18.5)	50~90 (13.2~23.8)
Operating pressure	bar (psi)	90~120 (1,280~1,707)	90~120 (1,280~1,707)	90~120 (1,280~1,707)	100~130 (1,422~1,849)	110~140 (1,560~1,991)	120~150 (1,707~2,134)
Impact rate	bpm	800~1,400	700~1,200	600~1,100	500~1,000	500~900	400~800
Tool diameter	mm (inch)	40 (1.6)	45 (1.8)	53 (2.1)	60 (2.4)	68 (2.7)	75 (3.0)

Medium range

Description	Unit	SB45 TS-P	SB50 TS-P	SB60 TS-P	SB81N TS-P	SB81 TS-P
Operating weight	kg (lbs)	571 (1,259)	861 (1,898)	1,297 (2,859)	1,500 (3,307)	1,766 (3,893)
Carrier weight	ton (lbs)	7.0~14.0 (15,432~30,865)	11.0~16.0 (24,251~35,274)	15~18 (33,069~39,683)	16~21 (35,273~46,297)	18~26 (39,683~57,320)
Height	mm (inch)	2,161 (85.0)	2,316 (91.2)	2,592 (102.0)	2,682 (105.6)	2,813 (110.7)
Required oil flow	l/min (g/min)	60~100 (15.9~26.4)	80~110 (21.1~29.1)	90~120 (23.8~31.7)	100~150 (26.4~39.6)	120~180 (31.7~47.6)
Operating pressure	bar (psi)	130~160 (1,849~2,276)	150~170 (2,134~2,418)	150~170 (2,134~2,418)	160~180 (2,276~2,560)	160~180 (2,276~2,560)
Impact rate	bpm	400~800	350~700	350~650	350~600	350~500
Tool diameter	mm (inch)	85 (3.3)	100 (3.9)	125 (4.9)	135 (5.3)	140 (5.5)

Heavy-duty range

Description	Unit	SB100 TS-P	SB121 TS-P	SB130 TS-P	SB147 TS-P	SB151 TS-P
Operating weight	kg (lbs)	2,071 (4,566)	2,632 (5,803)	2,833 (6,246)	3,309 (7,295)	3,991 (8,799)
Carrier weight	ton (lbs)	25~30 (55,116~66,139)	28~35 (61,729~77,162)	30~45 (66,139~99,208)	28~45 (62,000~100,000)	40~55 (88,000~121,000)
Height	mm (inch)	3,063 (120.6)	3,215 (126.6)	3,392 (133.5)	3,605 (142)	3,736 (147)
Required oil flow	l/min (g/min)	150~210 (39.6~55.5)	180~240 (47.6~63.4)	200~260 (50.8~68.7)	200~260 (50.8~68.7)	210~290 (55.5~76.6)
Operating pressure	bar (psi)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)
Impact rate	bpm	300~450	300~450	250~400	H-Mode : 250~350 L-Mode : 300~450	200~350
Tool diameter	mm (inch)	150 (5.9)	155 (6.1)	165 (6.5)	165 (6.5)	175 (6.9)

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SB BACKHOE SERIES

Optimal design by research and innovation for years



Features & advantages ;

- Easy folding for transport
- Quick and easy to connect to your backhoes
- Light weight, low working height and wide working range

Applications ;

- Site preparation
- foundation works
- Road construction
- Demolition works
- General construction works



Specifications

Description	Unit	SB40II BH	SB43II BH	SB40II BH-TS	SB43II BH-TS
Operating weight	kg (lbs)	247 (545)	341 (751)	289 (637)	392 (864)
Carrier weight	ton (lbs)	4.0~7.0 (8,800~15,000)	6.0~9.0 (13,227~19,841)	4.0~7.0 (8,800~15,000)	6.0~9.0 (13,227~19,841)
Height	mm (inch)	1,459 (57.4)	1,677 (66.0)	1,463 (57.6)	1,736 (68.3)
Required oil flow	l/min (g/min)	40~70 (10.6~18.5)	50~90 (13.2~23.8)	40~70 (10.6~18.5)	50~90 (13.2~23.8)
Operating pressure	bar (psi)	110~140 (1,595~2,031)	120~150 (1,740~2,176)	110~140 (1,595~2,031)	120~150 (1,740~2,176)
Impact rate	bpm	500~900	400~800	500~900	400~800
Tool diameter	mm (inch)	68 (2.7)	75 (3.0)	68 (2.7)	75 (3.0)

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SQ LINE SILENCED SERIES

Premium class of breakers for medium & heavy duty range maintaining the percussion mechanism and easy maintenance of the existing SB line.



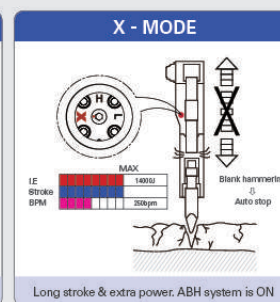
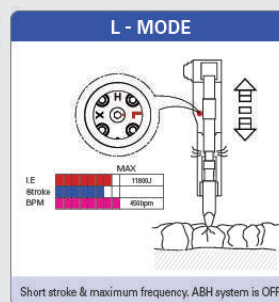
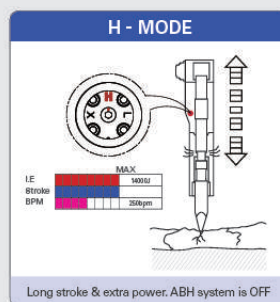
Features & advantages ;

- Integrated power control & anti-blank hammering system
- Premium quality materials
- Enhanced performance, productivity and durability
- Improved vibration-noise dampening system
- Robust housing with dust protector
- Reduced noise level

Applications ;

- Primary and secondary breaking in quarry
- Site preparation, foundation works
- Mine sites, Road construction
- Demolition works, highly reinforced concrete
- Trenching, Tunneling, Bench leveling, General construction works

IPC & ABH System Control

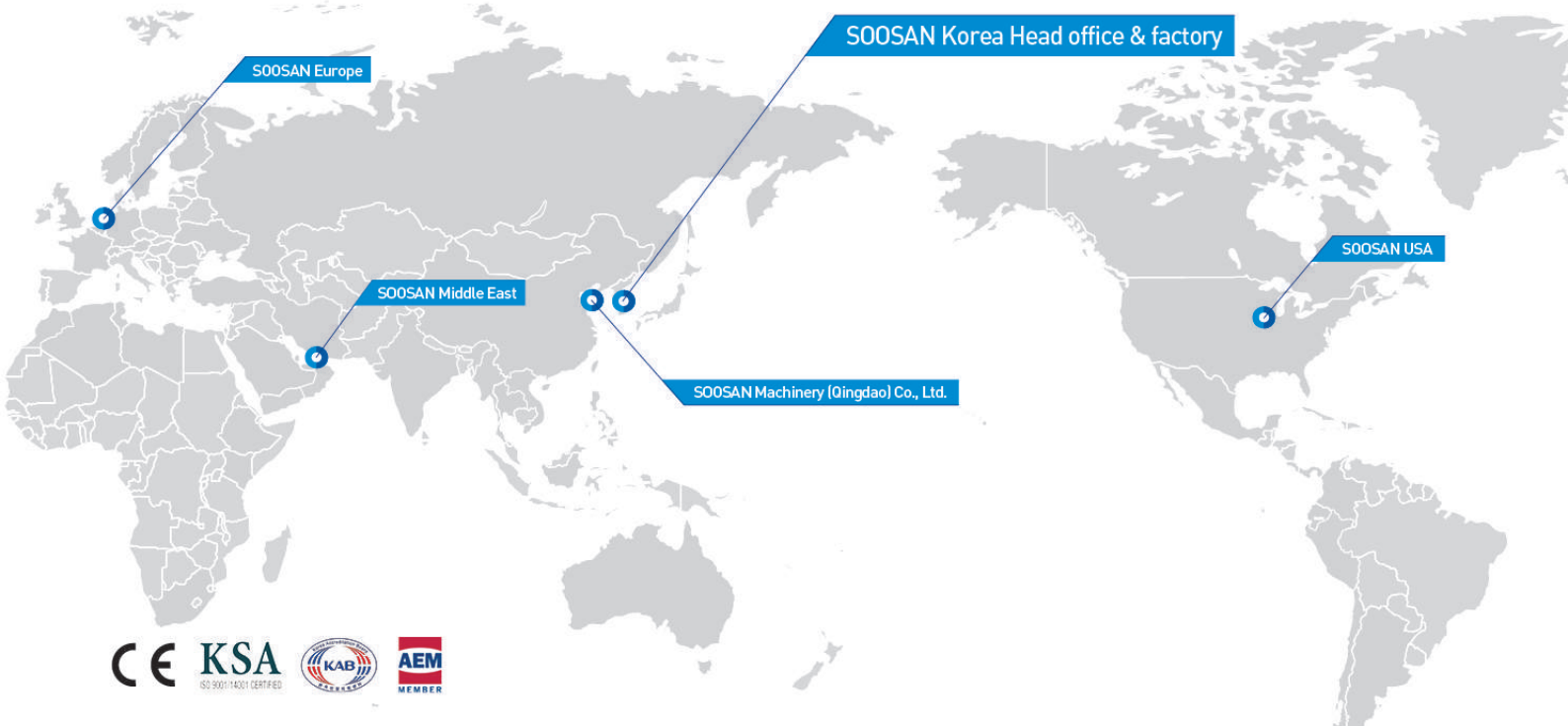


Specifications

Description	Unit	SQ60	SQ70	SQ80	SQ100	SQ120	SQ130	SQ140	SQ150	SQ181
Operating weight	kg (lbs)	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)
Carrier weight	ton (lbs)	15~18 (33,069~39,683)	16~21 (35,274~46,297)	18~26 (39,683~57,320)	25~30 (55,116~66,139)	28~35 (61,729~77,162)	30~45 (66,139~99,208)	30~45 (66,139~99,208)	40~55 (88,185~121,254)	50~90 (110,231~198,416)
Height	mm (inch)	2,561 (101)	2,656 (105)	2,806 (110)	2,924 (115)	3,168 (125)	3,360 (132)	3,441 (135)	3,577 (141)	4,112 (162)
Required oil flow	l / min (g / 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 (93~119)
Operating pressure	bar (psi)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	180~200 (2,560~2,845)
Impact rate	H-mode	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
Tool diameter	mm (inch)	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)

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SOOSAN Global Network



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