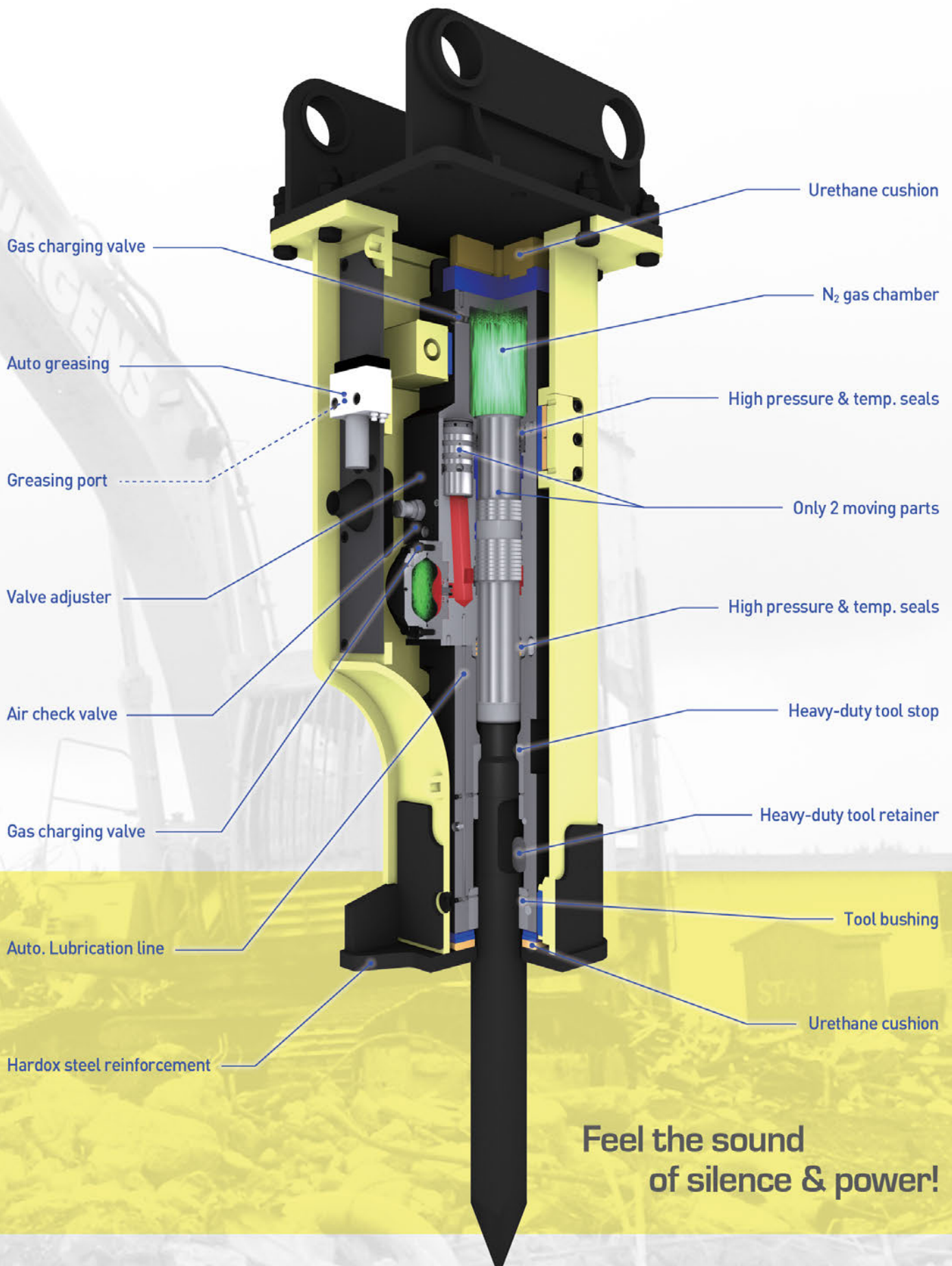


SOOSAN HYDRAULIC BREAKERS

SB Line TS-P Series



SOOSAN



Feel the sound
of silence & power!

Highest power to weight ratio

Soosan breakers are more powerful and lighter than other same class breakers.

Patented unique valve system - simple hydraulic circuit

Well harmonized with a simplified hydraulic circuit, It needs less oil flow, makes high efficiency and allows reliable operation.

Fewer components - less maintenance

Simple structure of TS-P series enables the customers to reduce maintenance cost.

Fully closed housing with noise vibration damping system

Robust and fully closed structure with damping materials reduces the noise level and provides operator's comfort.

It also minimizes the recoils to the carrier's arm.



In-house production and heat treatment

Allows continuous technical developments, maintain homogenizing quality level

**The selection of materials through the close quality test**

: Cylinder, Front head and Piston etc.

**Machining : MCT process**

- Major components are manufactured by computerized automatic machinery.
- Allows standardized tolerance and clearance.

**Heat Treatment**

Most of the components are heat-treated by our own know-how and facilities.

**Main body test shop**

All breakers are tested in accordance with ISO quality control system before delivery.

SB Line TS-P series



Features & advantages ;

- High-efficiency "SB" percussion system
- Auto greasing connection (from SB60 TS-P)
- Fully enclosed housing with robust structure
- Vibration & noise damping 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
- Road construction
- Demolition works, highly reinforced concrete
- Trenching
- Tunneling
- Bench leveling
- General construction works

The concept of power, simplicity, durability and reliability

Specifications

Compact range

Description	Unit	SB10 II TS-P	SB20 II TS-P	SB30 II TS-P	SB35 II TS-P	SB40 II TS-P	SB43 II 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	SB70 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	SB157 TS-P
Operating weight	kg (lbs)	2,071 (4,566)	2,632 (5,803)	2,833 (6,246)	3,309	4,085.5
Carrier weight	ton (lbs)	25~30 (55,116~66,139)	28~35 (61,729~77,162)	30~45 (66,139~99,208)	28~45	40~55
Height	mm (inch)	3,063 (120.6)	3,215 (126.6)	3,392 (133.5)	3,605.5	3,786
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	210~290
Operating pressure	bar (psi)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180 (2,276~2,560)	160~180	160~190
Impact rate	bpm	300~450	300~450	250~400	250~350	200~350
Tool diameter	mm (inch)	150 (5.9)	155 (6.1)	165 (6.5)	165	175

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