



SB Line Compact Range



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POWER TO  
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# SOOSAN

HYDRAULIC BREAKERS

## SB Line Compact Range



#### COMPACT Range

Mini excavator

Skid steer loader

Backhoe loader







# The most preferred breakers ; SB Breaker

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

Our compact series are practically an innovated hydraulic breakers while maintaining the superiority of the percussion mechanism and easy maintenance.

Raw materials are selected through stringent procedures.

Consistent quality through automated machinery and high machining skills.

More than 2 decades know-how in heat treatment.

Advanced technology gas & oil percussion mechanism.

Unique features of SB breakers with patents, certificates and citations.



## Applications ;

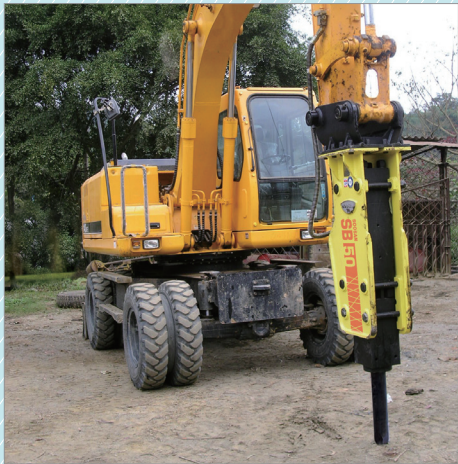
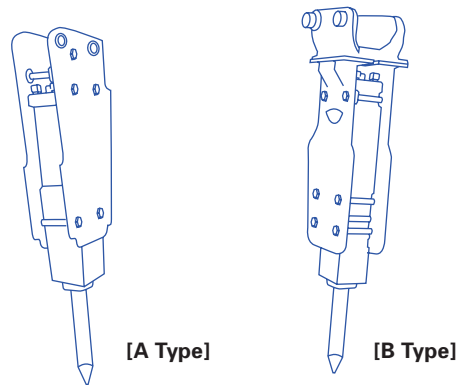
- Site preparation
- Foundation works
- Road construction
- Demolition works
- General construction works



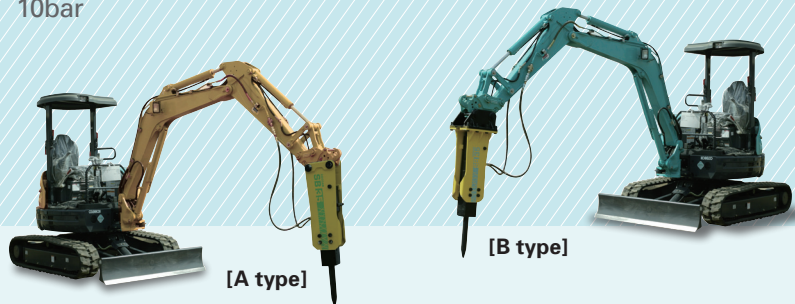


# Minimize maintenance costs, Maximize profits

| Technical Specifications TOP series |



- 2 types of side plates available
- Pin-mounted, cap-mounted light weight & compact designed side plates
- Superb performance with high impact power, durability and reliability
- Less heat generation with SB percussion mechanism
- Very reliable operation even under the back pressure up to 10bar



## TOP series ( A type : Pin mounted / B type : Top cap mounted)

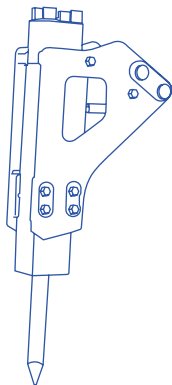
Specifications

| Description                         | Unit             | SB10Ⅱ                        | SB20Ⅱ                        | SB30Ⅱ                          | SB35Ⅱ                          | SB40Ⅱ                          | SB43Ⅱ                          | SB45                           | SB50                         |
|-------------------------------------|------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| Operating weight<br>A type / B type | kg<br>(lbs)      | 73 / 90<br>(161 / 198)       | 100 / 110<br>(220 / 244)     | 120 / 135<br>(265 / 298)       | 189 / 204<br>(417 / 450)       | 230 / 273<br>(507 / 602)       | 282 / 304<br>(622 / 670)       | 496 / 516<br>(1,093 / 1,137)   | - / 890<br>(- / 1,962)       |
| Applicable carrier                  | ton<br>(lbs)     | 0.8~2.5<br>(1,764~5,511)     | 1.2~3.0<br>(2,645~6,614)     | 2.5~4.5<br>(5,511~9,920)       | 3.0~5.5<br>(6,614~12,125)      | 4.0~7.0<br>(8,818~15,432)      | 6.0~9.0<br>(13,228~19,841)     | 7.0~14.0<br>(15,432~30,865)    | 11.0~16.0<br>(24,251~35,274) |
| Height<br>A type / B type           | mm<br>(inch)     | 1,072 / 1,150<br>(42 / 45.3) | 1,190 / 1,254<br>(44 / 49.4) | 1,287 / 1,313<br>(50.7 / 51.7) | 1,382 / 1,452<br>(54.4 / 57.2) | 1,616 / 1,602<br>(63.6 / 63.1) | 1,849 / 1,869<br>(72.8 / 73.6) | 2,156 / 2,225<br>(84.9 / 87.6) | - / 2,358<br>(- / 92.8)      |
| Required oil flow                   | l/min<br>(g/min) | 15~30<br>(4.0~8.0)           | 20~40<br>(5.3~10.6)          | 25~50<br>(6.6~13.2)            | 30~60<br>(7.9~16.0)            | 40~70<br>(10.6~18.5)           | 50~90<br>(13.2~23.8)           | 60~100<br>(15.9~26.4)          | 80~110<br>(21.1~29.1)        |
| Operating pressure                  | bar<br>(psi)     | 90~120<br>(1,280~1,707)      | 90~120<br>(1,280~1,707)      | 90~120<br>(1,280~1,707)        | 100~130<br>(1,422~1,849)       | 110~140<br>(1,560~1,991)       | 120~150<br>(1,707~2,134)       | 130~160<br>(1,849~2,276)       | 150~170<br>(2,134~2,418)     |
| Impact rate                         | bpm              | 800~1,400                    | 700~1,200                    | 600~1,100                      | 500~1,000                      | 500~900                        | 400~800                        | 400~800                        | 350~700                      |
| Tool diameter                       | mm (inch)        | 40 (1.6)                     | 45 (1.8)                     | 53 (2.1)                       | 60 (2.4)                       | 68 (2.7)                       | 75 (3.0)                       | 85 (3.3)                       | 100 (3.9)                    |

\*B type is only available on SB50

# Stronger, Faster and more Durable

| Technical Specifications SIDE series |



- Superb performance with high impact power, durability and reliability
- Less heat generation with SB percussion mechanism
- Very reliable operation even under the back pressure up to 10bar



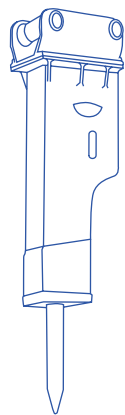
## SIDE series

Specifications

| Description        | Unit             | SB10Ⅱ                    | SB20Ⅱ                    | SB30Ⅱ                    | SB35Ⅱ                     | SB40Ⅱ                     | SB43Ⅱ                      | SB45                        | SB50                         |
|--------------------|------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|------------------------------|
| Operating weight   | kg (lbs)         | 70 (154)                 | 90 (198)                 | 120 (265)                | 180 (397)                 | 250 (551)                 | 380 (838)                  | 510 (1,124)                 | 765 (1,687)                  |
| Applicable carrier | ton<br>(lbs)     | 0.8~2.5<br>(1,764~5,511) | 1.2~3.0<br>(2,645~6,614) | 2.5~4.5<br>(5,511~9,920) | 3.0~5.5<br>(6,614~12,125) | 4.0~7.0<br>(8,818~15,432) | 6.0~9.0<br>(13,228~19,841) | 7.0~14.0<br>(15,432~30,865) | 11.0~16.0<br>(24,251~35,274) |
| Height             | mm (inch)        | 972 (38.3)               | 1,071 (42.2)             | 1,147 (45.2)             | 1,239 (48.8)              | 1,349 (53.1)              | 1,618 (63.7)               | 1,827 (71.9)                | 1,934 (76.1)                 |
| Required oil flow  | l/min<br>(g/min) | 15~30<br>(4.0~8.0)       | 20~40<br>(5.3~10.6)      | 25~50<br>(6.6~13.2)      | 30~60<br>(7.9~16.0)       | 40~70<br>(10.6~18.5)      | 50~90<br>(13.2~23.8)       | 60~100<br>(15.9~26.4)       | 80~110<br>(21.1~29.1)        |
| Operating pressure | bar<br>(psi)     | 90~120<br>(1,280~1,707)  | 90~120<br>(1,280~1,707)  | 90~120<br>(1,280~1,707)  | 100~130<br>(1,422~1,849)  | 110~140<br>(1,560~1,991)  | 120~150<br>(1,707~2,134)   | 130~160<br>(1,849~2,276)    | 150~170<br>(2,134~2,418)     |
| Impact rate        | bpm              | 800~1,400                | 700~1,200                | 600~1,100                | 500~1,000                 | 500~900                   | 400~800                    | 400~800                     | 350~700                      |
| Tool diameter      | mm (inch)        | 40 (1.6)                 | 45 (1.8)                 | 53 (2.1)                 | 60 (2.4)                  | 68 (2.7)                  | 75 (3.0)                   | 85 (3.3)                    | 100 (3.9)                    |

# Less noise, Less vibrations!

| Technical Specifications TS-P series |



- Fully enclosed housing with robust structure
- Service friendly design and less maintenance costs
- Vibration damping system
- Dual recoil-absorbing urethane cushions are applied
- Operator-friendly with low vibration



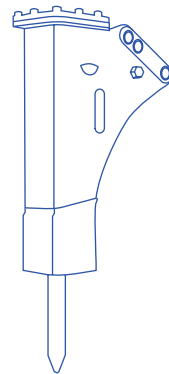
## TS-P series

Specifications

| Description        | Unit          | SB10Ⅱ TS-P            | SB20Ⅱ TS-P            | SB30Ⅱ TS-P            | SB35Ⅱ TS-P             | SB40Ⅱ TS-P             | SB43Ⅱ TS-P              | SB45 TS-P                | SB50 TS-P                 |
|--------------------|---------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|
| Operating weight   | kg (lbs)      | 102 (225)             | 126 (278)             | 152 (335)             | 224 (494)              | 295 (650)              | 375 (827)               | 571 (1,259)              | 861 (1,898)               |
| Applicable carrier | 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) | 7.0~14.0 (15,432~30,865) | 11.0~16.0 (24,251~35,274) |
| 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)            | 2,161 (85.0)             | 2,316 (91.2)              |
| 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)       | 60~100 (15.9~26.4)       | 80~110 (21.1~29.1)        |
| 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)   | 130~160 (1,849~2,276)    | 150~170 (2,134~2,418)     |
| Impact rate        | bpm           | 800~1,400             | 700~1,200             | 600~1,100             | 500~1,000              | 500~900                | 400~800                 | 400~800                  | 350~700                   |
| Tool diameter      | mm (inch)     | 40 (1.6)              | 45 (1.8)              | 53 (2.1)              | 60 (2.4)               | 68 (2.7)               | 75 (3.0)                | 85 (3.3)                 | 100 (3.9)                 |

# Optimal design by research and innovation for years

| Technical Specifications BACKHOES series |



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



## BACKHOES series

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)               |
| Applicable carrier | 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)                |