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Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
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Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
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Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
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Киргизия (996)312-96-26-47

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Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
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Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Казахстан (772)734-952-31

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
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Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

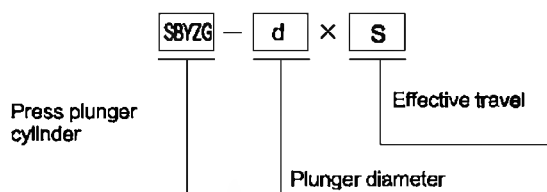
<https://sbm.nt-rt.ru/> || [sfb@nt-rt.ru](mailto:sfb@nt-rt.ru)

## SB06 (series)

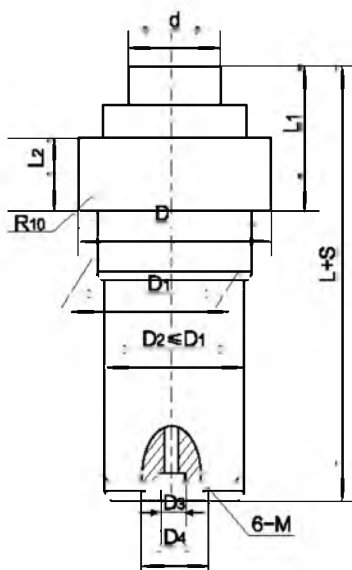
### Press plunger hydraulic cylinder

SBYZG is plunger cylinder dedicated for press of hydraulic machinery, and is suitable for various types of oil cylinder machine; its working pressure generally is 26MPa, plunger diameter 63-520mm, and effective travel 0-5000mm.

#### Model designation



#### Outline and installation dimensions



#### Specifications / technical parameters

| Model       | Plunger diameter d (mm) | Effective area (cm <sup>2</sup> ) | Thrust    |
|-------------|-------------------------|-----------------------------------|-----------|
|             |                         |                                   | 26MPa     |
| SBYZG-100×S | 100                     | 78.54                             | 20420.35  |
| SBYZG-125×S | 125                     | 122.75                            | 31906.80  |
| SBYZG-140×S | 140                     | 153.94                            | 40023.89  |
| SBYZG-160×S | 160                     | 201.06                            | 52276.10  |
| SBYZG-180×S | 180                     | 254.47                            | 66151.94  |
| SBYZG-200×S | 200                     | 314.16                            | 81681.41  |
| SBYZG-220×S | 220                     | 380.13                            | 98834.50  |
| SBYZG-230×S | 230                     | 415.48                            | 108023.66 |
| SBYZG-240×S | 240                     | 452.39                            | 117621.23 |
| SBYZG-250×S | 250                     | 490.87                            | 127627.20 |
| SBYZG-250×S | 250                     | 530.93                            | 138041.58 |
| SBYZG-260×S | 260                     | 615.75                            | 160095.56 |
| SBYZG-280×S | 280                     | 706.86                            | 183783.17 |
| SBYZG-320×S | 320                     | 804.25                            | 209104.40 |
| SBYZG-340×S | 340                     | 907.92                            | 236059.27 |
| SBYZG-360×S | 360                     | 1017.88                           | 264647.77 |
| SBYZG-400×S | 400                     | 1256.64                           | 326725.84 |
| SBYZG-420×S | 420                     | 1385.44                           | 360215.01 |
| SBYZG-460×S | 460                     | 1661.90                           | 432094.65 |
| SBYZG-520×S | 520                     | 21223.72                          | 552166.32 |

#### Notes:

- Upper oil inlet fixing bolt hole and plunger end face are connected, and to be separately agreed when ordering.
- Oil inlet position of small plunger cylinder can be determined by user himself.
- D1 is installation positioning size for plunger cylinder; cylinder outside diameter D2≤D1

#### Installation & outline dimensions

| d    | D      | D1     | D2     | D3 × 深 Deep | D4      | L    | L1  | L2  | 6-M |
|------|--------|--------|--------|-------------|---------|------|-----|-----|-----|
| 100  |        |        | φ 140  | —           | M27 × 2 |      |     |     | —   |
| 125  |        |        | φ 180  | —           | M27 × 2 |      |     |     | —   |
| 140  | φ 310  | φ 210  | φ 194  | —           | M27 × 2 | 300  | 140 | 70  | —   |
| 160  | φ 360  | φ 230  | φ 230  | —           | M33 × 2 | 320  | 140 | 70  | —   |
| 180  | φ 360  | φ 260  | φ 260  | —           | M33 × 2 | 350  | 165 | 80  | —   |
| 200  | φ 380  | φ 280  | φ 280  | —           | M42 × 2 | 375  | 165 | 80  | —   |
| 220  | φ 400  | φ 310  | φ 310  | —           | M42 × 2 | 400  | 185 | 100 | —   |
| 230  | φ 410  | φ 310  | φ 310  | —           | M42 × 2 | 410  | 185 | 100 | —   |
| 240  | φ 420  | φ 340  | φ 340  | φ 54 × 5    | φ 120   | 430  | 185 | 100 | M16 |
| 250  | φ 460  | φ 350  | φ 350  | φ 54 × 5    | φ 120   | 430  | 220 | 110 | M16 |
| 260  | φ 505  | φ 360  | φ 360  | φ 54 × 5    | φ 120   | 440  | 260 | 135 | M16 |
| 280  | φ 520  | φ 395  | φ 395  | φ 54 × 5    | φ 120   | 460  | 280 | 135 | M16 |
| 300  | φ 540  | φ 410  | φ 410  | φ 54 × 5    | φ 120   | 460  | 280 | 160 | M16 |
| 320  | φ 570  | φ 440  | φ 440  | φ 54 × 5    | φ 120   | 475  | 285 | 200 | M16 |
| 340  | φ 590  | φ 465  | φ 465  | φ 66.5 × 5  | φ 136   | 520  | 300 | 200 | M24 |
| 360  | φ 610  | φ 500  | φ 500  | φ 66.5 × 5  | φ 136   | 630  | 330 | 200 | M24 |
| 400  | φ 680  | φ 570  | φ 570  | φ 66.5 × 5  | φ 136   | 690  | 330 | 200 | M24 |
| 420  | φ 735  | φ 612  | φ 612  | φ 70 × 5    | φ 140   | 700  | 380 | 250 | M24 |
| 460  | φ 790  | φ 660  | φ 660  | φ 70 × 5    | φ 140   | 710  | 380 | 270 | M24 |
| 520  | φ 900  | φ 730  | φ 730  | φ 80 × 5    | φ 160   | 800  | 495 | 270 | M24 |
| 600  | φ 1020 | φ 800  | φ 800  | φ 80 × 5    | φ 160   | 860  | 520 | 300 | M24 |
| 700  | φ 1120 | φ 860  | φ 860  | φ 100 × 5   | φ 200   | 960  | 550 | 300 | M27 |
| 800  | φ 1250 | φ 980  | φ 980  | φ 100 × 5   | φ 250   | 1020 | 580 | 340 | M27 |
| 1000 | φ 1480 | φ 1200 | φ 1200 | φ 150 × 5   | φ 280   | 1100 | 620 | 400 | M33 |
| 1200 | φ 1800 | φ 1460 | φ 1460 | φ 150 × 5   | φ 350   | 1250 | 730 | 500 | M36 |