

BBS/BHG

HIGH PRESSURE-BLOCK TYPE  
BALL VALVE WITH THREADED PORTS

VERSION C  
DN 4-25 | PN 100-350

FULL BORE

INFORMATION

Block type ball valve with threaded ports

Free of non-ferrous heavy metals

Version acc. to article  
ABS.3 DGRL 2014/68/EU

The lever is included

MATERIALS

|               |                       |
|---------------|-----------------------|
| Body          | Steel*                |
| Fittings      | Steel*                |
| Ball          | Stainless steel       |
| Sealings      | PTFE, with steel ring |
| O-Rings       | FPM                   |
| Stem          | Stainless steel       |
| Stem retainer | Stainless steel       |

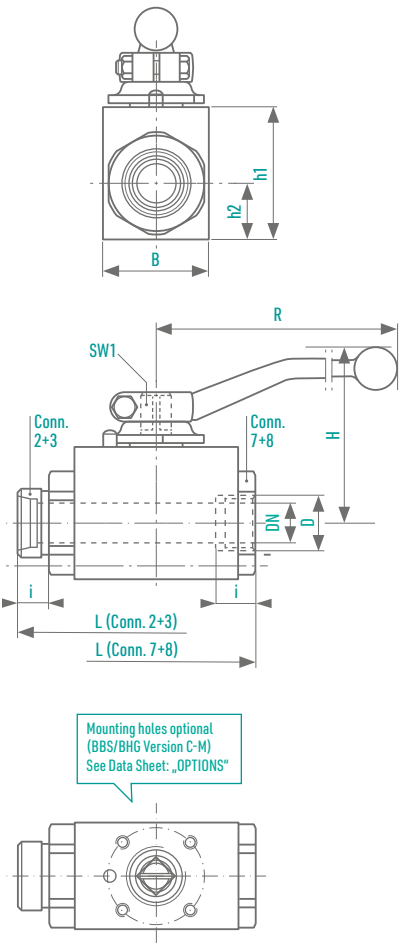
\*Material: EN10204 - 3.1

OPTIONS

Mounting holes  
(BBS/BHG Version C-M)  
Surcharge: 20,40 €

Locking device  
(BBS/BHG Version C-L)  
Surcharge: 23,00 €

Special designs on request



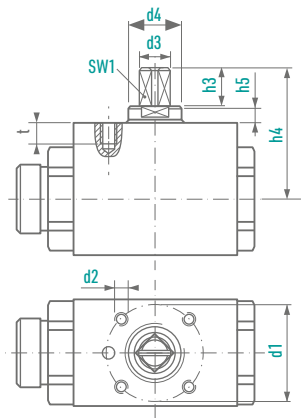
| Connection                                        | DN<br>[mm] | OD Pipe<br>[mm] | PN<br>[bar] | D<br>[mm] | i<br>[mm] | L<br>[mm] | B<br>[mm] | h1<br>[mm] | h2<br>[mm] | H<br>[mm] | R<br>[mm] | SW1<br>[mm] | Wght<br>[kg] | Order<br>Number |
|---------------------------------------------------|------------|-----------------|-------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-------------|--------------|-----------------|
| 2 For compression fitting, light series, DIN 2353 | 4          | 6               | 250*1       | M12 x 1,5 | 10        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081761         |
|                                                   | 6          | 8               | 250*1       | M14 x 1,5 | 10        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081762         |
|                                                   | 8          | 10              | 250*1       | M16 x 1,5 | 11        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081763         |
|                                                   | 10         | 12              | 250*1       | M18 x 1,5 | 11        | 95        | 35        | 45         | 18,5       | 58        | 90        | 8           | 0,5          | 0081764         |
|                                                   | 12         | 15              | 250*1       | M22 x 1,5 | 12        | 96        | 40        | 50         | 23         | 68        | 130       | 10          | 0,9          | 0081765         |
|                                                   | 16         | 18              | 160*1       | M26 x 1,5 | 12        | 105       | 40        | 50         | 21,5       | 68        | 130       | 10          | 1,0          | 0081766         |
|                                                   | 20         | 22              | 160*1       | M30 x 2   | 14        | 110       | 45        | 55         | 24         | 77        | 180       | 10          | 1,3          | 0081767         |
|                                                   | 25         | 28              | 100*1       | M36 x 2   | 14        | 120       | 55        | 65         | 30,5       | 82        | 180       | 12          | 2,2          | 0081768         |
|                                                   | 4          | 8               | 350         | M16 x 1,5 | 12        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081769         |
|                                                   | 6          | 10              | 350         | M18 x 1,5 | 12        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081770         |
| 3 For compression fitting, heavy series, DIN 2353 | 8          | 12              | 350         | M20 x 1,5 | 12        | 76        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081771         |
|                                                   | 10         | 14              | 350         | M22 x 1,5 | 14        | 95        | 35        | 45         | 18,5       | 58        | 90        | 8           | 0,5          | 0081772         |
|                                                   | 12         | 16              | 350         | M24 x 1,5 | 14        | 96        | 40        | 50         | 23         | 68        | 130       | 10          | 0,9          | 0081773         |
|                                                   | 16         | 20              | 250         | M30 x 2   | 16        | 105       | 40        | 50         | 21,5       | 68        | 130       | 10          | 1,0          | 0081774         |
|                                                   | 20         | 25              | 175         | M36 x 2   | 18        | 110       | 45        | 55         | 24         | 77        | 180       | 10          | 1,3          | 0081775         |
|                                                   | 25         | 30              | 150         | M42 x 2   | 20        | 120       | 55        | 65         | 30,5       | 82        | 180       | 12          | 2,2          | 0081776         |
|                                                   | 4          | -               | 350         | G 1/8     | 11        | 50        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081777         |
|                                                   | 6          | -               | 350         | G 1/4     | 12,5      | 50        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081778         |
|                                                   | 8          | -               | 350         | G 3/8     | 12,5      | 75        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081779         |
|                                                   | 10         | -               | 350         | G 3/8     | 12,5      | 95        | 35        | 45         | 18,5       | 58        | 90        | 8           | 0,7          | 0081780         |
| 7 BSP female thread DIN ISO 228/1                 | 12         | -               | 350         | G 1/2     | 15        | 75        | 40        | 50         | 23         | 68        | 130       | 10          | 0,8          | 0081781         |
|                                                   | 16         | -               | 250         | G 1/2     | 15        | 75        | 40        | 50         | 21,5       | 68        | 130       | 10          | 0,9          | 0081782         |
|                                                   | 20         | -               | 175         | G 3/4     | 18        | 80        | 45        | 55         | 24         | 77        | 180       | 10          | 1,2          | 0081783         |
|                                                   | 25         | -               | 150         | G 1       | 20        | 90        | 55        | 65         | 30,5       | 82        | 180       | 12          | 2,1          | 0081784         |
|                                                   | 4          | -               | 350         | NPT 1/8   | 11        | 50        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081785         |
|                                                   | 6          | -               | 350         | NPT 1/4   | 12,5      | 50        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081786         |
|                                                   | 8          | -               | 350         | NPT 3/8   | 12,5      | 75        | 30        | 35         | 16         | 51        | 90        | 8           | 0,4          | 0081787         |
|                                                   | 10         | -               | 350         | NPT 3/8   | 12,5      | 95        | 35        | 45         | 18,5       | 58        | 90        | 8           | 0,7          | 0081788         |
|                                                   | 12         | -               | 350         | NPT 1/2   | 15        | 75        | 40        | 50         | 23         | 68        | 130       | 10          | 0,8          | 0081789         |
|                                                   | 16         | -               | 250         | NPT 1/2   | 15        | 75        | 40        | 50         | 21,5       | 68        | 130       | 10          | 0,9          | 0081790         |
| 8 NPT female thread ANSI/ASME B 1.20.1            | 20         | -               | 175         | NPT 3/4   | 18        | 80        | 45        | 55         | 24         | 77        | 180       | 10          | 1,2          | 0081791         |
|                                                   | 25         | -               | 150         | NPT 1     | 20        | 90        | 55        | 65         | 30,5       | 82        | 180       | 12          | 2,1          | 0081792         |

\*1 Pressure Rating of the pipe connection

OPTIONS

MOUNTING HOLES, OPTIONAL (VERSION -M)

Subject to surcharge unless otherwise described

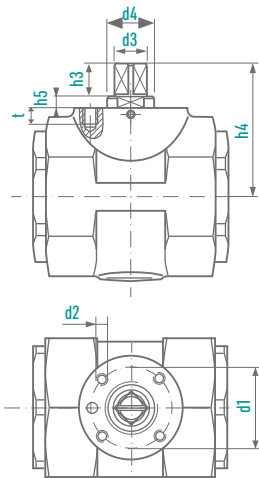


Models

**BMG  
BHG  
EBG**

Connection-  
types  
**2,3,7,8,40**

| Models | DN<br>[mm] | d1 | d2 | t | SW1 | d3 | h3 | h4 | d4 | h5  |
|--------|------------|----|----|---|-----|----|----|----|----|-----|
|        | 4          | 25 | M5 | 6 | 8   | 10 | 10 | 29 | -  | -   |
|        | 6          | 25 | M5 | 6 | 8   | 10 | 10 | 29 | -  | -   |
|        | 8          | 25 | M5 | 6 | 8   | 10 | 10 | 29 | -  | -   |
|        | 10         | 25 | M5 | 6 | 8   | 10 | 10 | 36 | 16 | 5   |
|        | 12         | 36 | M6 | 8 | 10  | 12 | 14 | 47 | 20 | 5   |
|        | 16         | 36 | M6 | 8 | 10  | 12 | 14 | 49 | 20 | 5   |
|        | 20         | 50 | M6 | 8 | 10  | 12 | 14 | 51 | 20 | 5   |
|        | 25         | 50 | M6 | 8 | 12  | 15 | 14 | 55 | 23 | 5,5 |



Models

**MKG**

Connection-  
types **2,3,7,8**

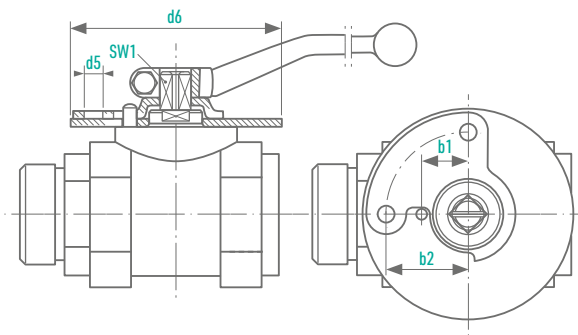
| Models | DN<br>[mm] | d1 | d2 | t  | SW1 | d3 | h3   | h4 | d4 | h5 |
|--------|------------|----|----|----|-----|----|------|----|----|----|
|        | 32         | 50 | M8 | 10 | 16  | 20 | 19,5 | 77 | 29 | 7  |
|        | 40         | 50 | M8 | 10 | 16  | 20 | 19,5 | 83 | 29 | 7  |
|        | 50         | 50 | M8 | 10 | 16  | 20 | 19,5 | 90 | 29 | 7  |

All information subject to change and error

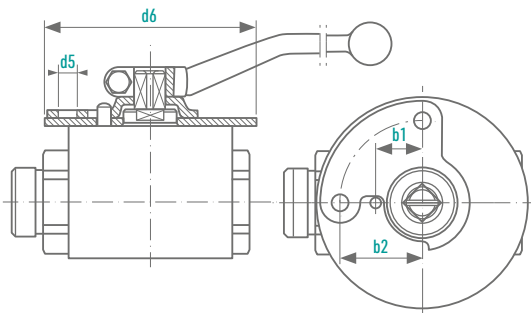
OPTIONS

LOCKING DEVICE, OPTIONAL (VERSION -L)

Subject to surcharge



| Models                          | DN<br>[mm] | b1   | b2 | d5  | d6  |     |
|---------------------------------|------------|------|----|-----|-----|-----|
| KMG<br>KHG<br>MKG<br>ENG        | 4          | 12   | 23 | 7,5 | 60  |     |
|                                 | 6          | 12   | 23 | 7,5 | 60  |     |
|                                 | 8          | 12   | 23 | 7,5 | 60  |     |
|                                 | 10         | 13,5 | 23 | 7,5 | 65  |     |
|                                 | 12         | 17,5 | 31 | 7   | 80  |     |
|                                 | 16         | 17,5 | 31 | 7   | 80  |     |
|                                 | 20         | 17,5 | 31 | 7   | 80  |     |
|                                 | 25         | 17,5 | 31 | 7   | 80  |     |
|                                 | 32         | 24   | 41 | 7   | 100 |     |
|                                 | 40         | 24   | 41 | 7   | 100 |     |
| Connection types<br>2,3,7,8, 40 |            | 50   | 24 | 41  | 7   | 100 |



| BAUREIHEN                      | DN<br>[mm] | b1   | b2 | d5  | d6 |
|--------------------------------|------------|------|----|-----|----|
| BMG<br>BHG<br>EBG              | 4          | 12   | 23 | 7,5 | 60 |
|                                | 6          | 12   | 23 | 7,5 | 60 |
|                                | 8          | 12   | 23 | 7,5 | 60 |
|                                | 10         | 13,5 | 23 | 7,5 | 65 |
|                                | 12         | 17,5 | 31 | 7   | 80 |
|                                | 16         | 17,5 | 31 | 7   | 80 |
|                                | 20         | 17,5 | 31 | 7   | 80 |
|                                | 25         | 17,5 | 31 | 7   | 80 |
| Connection types<br>2,3,7,8,40 |            |      |    |     |    |

All information subject to change and error