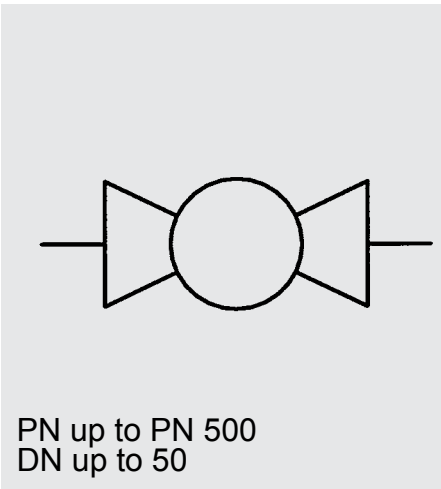


## Ball Valves

KHB / KHM



### Model code

(also order example)

**KHB G 1/2 1112 01 X A SO940**

#### Designation

KHB = Block-type ball valve DN 04-25 (steel)  
KHM = Sleeve type ball valve DN 32-50 (steel)  
DN 04-50 (stainless steel)

#### Type of connection

Thread size or outside diameter of pipe and type of connection

#### Materials

*Housing, connection adapters*

1 = Steel  
3 = Stainless steel

*Ball, control spindle*

1 = Steel  
3 = Stainless steel  
11 = Hardened steel

*Sealing cups*

1 = POM  
3 = PTFE (max. operating pressure 100 bar)  
8 = PEEK  
11 = Steel

*Control spindle seals and connection seals*

2 = NBR (Perbunan)  
3 = PTFE (max. operating pressure 100 bar)  
4 = FKM (Viton)

#### Handle

01 = Aluminium clamped handle, straight DN 12 - 50  
02 = Aluminium clamped handle, cranked DN 12 - 50  
03 = Zinc die-cast clamped handle, straight DN 04 - 10, 13  
04 = Zinc die-cast bolt-on handle, cranked DN 04 - 10, 13  
06 = Steel bolt-on handle, cranked DN 12 - 50  
09 = Without handle  
26 = Steel bolt-on handle, cranked, long DN 12 - 50

#### Series

(determined by manufacturer)

#### Surface protection

... = Phosphate-plated (no details required)  
A = Zinc-plated, chrome (VI)-free  
ZN = Zinc-nickel, chrome (VI)-free

#### Option

TT = O-rings for low temperatures, temperature range from -40 °C to +80 °C  
(only for stainless steel version)  
SO 940 = Ball valve with 4 threaded holes  
SO 1073 = Ball Valve with 2 fixing holes

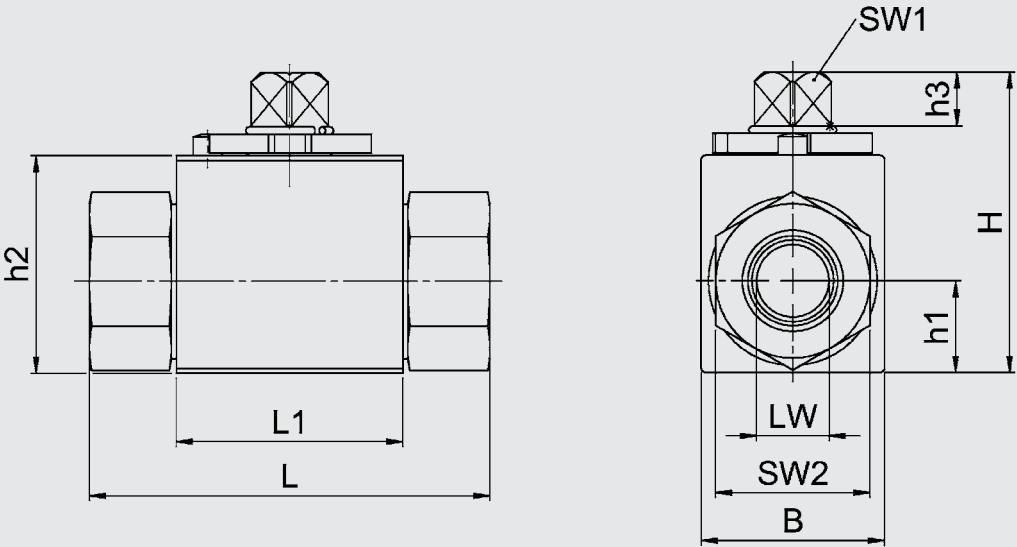
Delivery for non-standard valves is longer and the price is higher.

Technical specifications

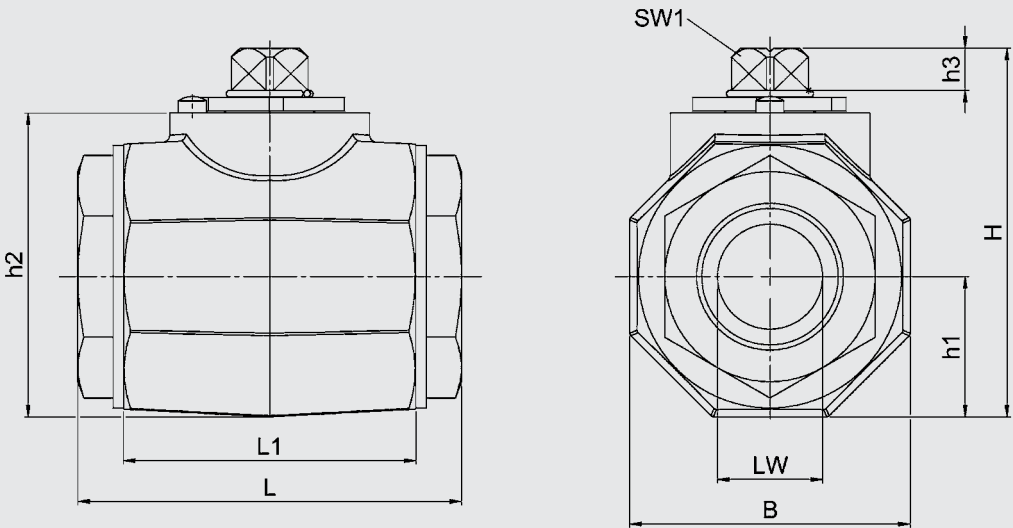
|                                 |                                                                                                          |                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------|
| Type of construction:           | Block type KHB DN 04 - 25<br>Sleeve type KHM DN 32 - 50                                                  |                                    |
| Types of connection:            | Light and heavy threaded pipe connection to DIN 2353<br>Whitworth female thread to ISO 228<br>NPT<br>SAE |                                    |
| Mounting position:              | Optional                                                                                                 |                                    |
| Ambient temperature:            | -10 °C to +80 °C                                                                                         |                                    |
| Nominal pressure:               | up to PN 500 / 7250 PSI                                                                                  |                                    |
| Operating fluids:               | Mineral oil to DIN 51524 Part 1 and Part 2 (other fluids on request)                                     |                                    |
| Temperature of operating fluid: | -10 °C to +80 °C                                                                                         |                                    |
| Type of construction:           | Shut-off device is a ball                                                                                |                                    |
| Weight:                         | See table                                                                                                |                                    |
| Flow direction:                 | Optional                                                                                                 |                                    |
| Spare parts:                    | Seal kits available on request                                                                           |                                    |
| Accessories:                    | All ball valves can be supplied with the following options:                                              | Actuator<br>Limit controls<br>Lock |

Dimensions

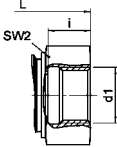
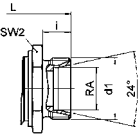
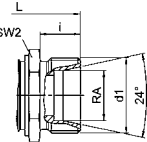
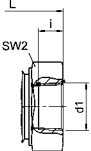
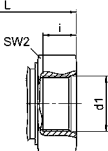
KHB



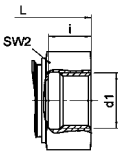
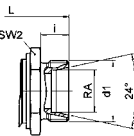
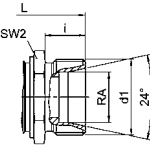
KHM



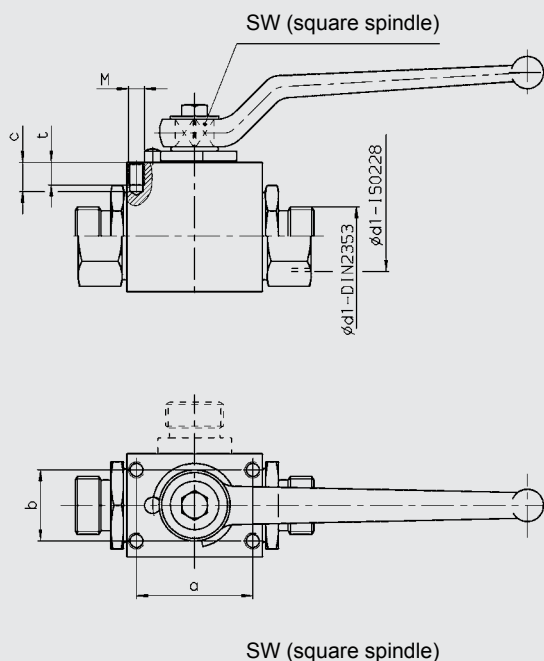
# Steel

| Connection type                                                                                                                     | Type      | DN    | LW | RA   | d1                 | I     | L     | L1   | B   | H     | h1   | h2    | h3   | SW1 | SW2 | Weight<br>[kg] | Nom.<br>pressure<br>PN [bar] |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|----|------|--------------------|-------|-------|------|-----|-------|------|-------|------|-----|-----|----------------|------------------------------|
| <b>DIN ISO 228</b><br>Female thread<br><br>        | KHB-G1/8  | 4     | 8  | —    | G1/8               | 10    | 69    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.29           | 500                          |
|                                                                                                                                     | KHB-G1/4  | 6     | 8  | —    | G1/4               | 14    | 69    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.32           | 500                          |
|                                                                                                                                     | KHB-G3/8  | 10    | 10 | —    | G3/8               | 14    | 72    | 42   | 32  | 53    | 17   | 40    | 8,5  | 9   | 27  | 0.46           | 500                          |
|                                                                                                                                     | KHB-G1/2  | 13    | 12 | —    | G1/2               | 15    | 84    | 47   | 35  | 53    | 17   | 40    | 8,5  | 9   | 30  | 0.59           | 500                          |
|                                                                                                                                     | KHB-G1/2  | 16    | 15 | —    | G1/2               | 16    | 83    | 47   | 40  | 62    | 20   | 46    | 11   | 12  | 32  | 0.7            | 420                          |
|                                                                                                                                     | KHB-G3/4  | 20    | 20 | —    | G3/4               | 18    | 95    | 60   | 49  | 75    | 24.5 | 57    | 11.6 | 14  | 41  | 1.3            | 420                          |
|                                                                                                                                     | KHB-G1    | 25    | 25 | —    | G1                 | 20,5  | 113   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 2.03           | 420                          |
|                                                                                                                                     | KHB-G11/4 | 25/32 | 25 | —    | G11/4              | 22    | 120   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 2.06           | 315                          |
|                                                                                                                                     | KHM-G11/4 | 32    | 30 | —    | G11/4              | 22    | 109.4 | 83.4 | 82  | 106.2 | 40   | 87.7  | 12   | 17  | 60  | 3.1            | 420                          |
|                                                                                                                                     | KHM-G11/2 | 40    | 38 | —    | G11/2              | 24    | 130   | 91   | 94  | 118.2 | 45   | 99.7  | 12   | 17  | 70  | 4.4            | 420                          |
|                                                                                                                                     | KHM-G2    | 50    | 48 | —    | G2                 | 28    | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.6            | 420                          |
| <b>DIN 2353</b><br>Light range<br><br>              | KHB-06LR  | 4     | 4  | 6    | M12x1,5            | 7     | 67    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.26           | 500                          |
|                                                                                                                                     | KHB-08LR  | 6     | 6  | 8    | M14x1,5            | 7     | 67    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.26           | 500                          |
|                                                                                                                                     | KHB-10LR  | 8     | 8  | 10   | M16x1,5            | 11    | 74    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.43           | 500                          |
|                                                                                                                                     | KHB-12LR  | 10    | 10 | 12   | M18x1,5            | 11    | 74    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.43           | 500                          |
|                                                                                                                                     | KHB-15LR  | 13    | 12 | 15   | M22x1,5            | 12    | 82    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.54           | 500                          |
|                                                                                                                                     | KHB-15LR  | 12    | 12 | 15   | M22x1,5            | 12    | 82    | 47   | 40  | 62    | 20   | 46    | 11.6 | 12  | 32  | 0.64           | 420                          |
|                                                                                                                                     | KHB-18LR  | 13    | 12 | 18   | M26x1,5            | 12    | 82    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.63           | 500                          |
|                                                                                                                                     | KHB-18LR  | 16    | 15 | 18   | M26x1,5            | 12    | 82    | 47   | 40  | 62    | 20   | 46    | 11   | 12  | 32  | 1.25           | 420                          |
|                                                                                                                                     | KHB-22LR  | 20    | 19 | 22   | M30x2              | 14    | 101   | 60   | 49  | 75    | 24.5 | 57    | 11.6 | 14  | 41  | 1.54           | 420                          |
|                                                                                                                                     | KHB-28LR  | 25    | 24 | 28   | M36x2              | 14    | 108   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 1.54           | 420                          |
|                                                                                                                                     | KHB-35LR  | 25/32 | 25 | 35,3 | M45x2              | 16    | 112   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 1.95           | 315                          |
|                                                                                                                                     | KHM-35LR  | 32    | 30 | 35,3 | M45x2              | 16    | 141.4 | 83.4 | 82  | 106.2 | 40   | 87.7  | 12   | 17  | 60  | 3.36           | 420                          |
|                                                                                                                                     | KHM-42LR  | 40    | 36 | 42,3 | M52x2              | 16    | 162   | 91   | 94  | 118.2 | 45   | 99.7  | 12   | 17  | 70  | 4.88           | 420                          |
| <b>DIN 2353</b><br>Heavy range<br><br>            | KHB-08SR  | 4     | 5  | 8    | M16x1,5            | 7     | 73    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.28           | 500                          |
|                                                                                                                                     | KHB-10SR  | 6     | 7  | 10   | M18x1,5            | 7,5   | 73    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.32           | 500                          |
|                                                                                                                                     | KHB-12SR  | 8     | 8  | 12   | M20x1,5            | 12    | 76    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.45           | 500                          |
|                                                                                                                                     | KHB-14SR  | 10    | 10 | 14   | M22x1,5            | 14    | 80    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.46           | 500                          |
|                                                                                                                                     | KHB-16SR  | 13    | 12 | 16   | M24x1,5            | 14    | 86    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.55           | 500                          |
|                                                                                                                                     | KHB-16SR  | 12    | 12 | 16   | M24x1,5            | 14    | 86    | 47   | 40  | 62    | 20   | 46    | 11.6 | 12  | 32  | 0.65           | 420                          |
|                                                                                                                                     | KHB-20SR  | 13    | 12 | 20   | M30x2              | 16    | 90    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.61           | 500                          |
|                                                                                                                                     | KHB-20SR  | 16    | 15 | 20   | M30x2              | 16    | 90    | 47   | 40  | 62    | 20   | 46    | 11   | 12  | 32  | 0.67           | 420                          |
|                                                                                                                                     | KHB-25SR  | 20    | 20 | 25   | M36x2              | 18    | 109   | 60   | 49  | 75    | 24.5 | 57    | 11.6 | 14  | 41  | 1.32           | 420                          |
|                                                                                                                                     | KHB-30SR  | 25    | 25 | 30   | M42x2              | 20    | 120   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 1.87           | 420                          |
|                                                                                                                                     | KHB-38SR  | 25/32 | 25 | 38,3 | M52x2              | 22    | 124   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 55  | 2.18           | 315                          |
|                                                                                                                                     | KHM-38SR  | 32    | 30 | 38,3 | M52x2              | 22    | 153.4 | 83.4 | 82  | 106.2 | 40   | 87.7  | 12   | 17  | 60  | 3.43           | 420                          |
| <b>ANSI B1.20.1</b><br>NPT female thread<br><br> | KHB-06NPT | 6     | 8  | —    | 1/4 - 18 NPT       | 6.7   | 69    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.3            | 500                          |
|                                                                                                                                     | KHB-10NPT | 10    | 10 | —    | 3/8 - 18 NPT       | 10.36 | 72    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.5            | 500                          |
|                                                                                                                                     | KHB-16NPT | 13    | 12 | —    | 1/2 - 14 NPT       | 13.56 | 84    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.6            | 500                          |
|                                                                                                                                     | KHB-16NPT | 16    | 15 | —    | 1/2 - 14 NPT       | 13.56 | 83    | 47   | 40  | 62    | 20   | 46    | 11   | 12  | 32  | 0.75           | 420                          |
|                                                                                                                                     | KHB-20NPT | 20    | 20 | —    | 3/4 - 14 NPT       | 13.86 | 95    | 60   | 49  | 75    | 24.5 | 57    | 11.6 | 14  | 41  | 1.3            | 420                          |
|                                                                                                                                     | KHB-25NPT | 25    | 25 | —    | 1 - 11 1/2 NPT     | 17.34 | 113   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 2              | 420                          |
|                                                                                                                                     | KHM-32NPT | 32    | 30 | —    | 1 1/4 - 11 1/2 NPT | 17.95 | 109.4 | 83.4 | 82  | 106.2 | 40   | 87.7  | 12   | 17  | 60  | 3.1            | 420                          |
|                                                                                                                                     | KHM-40NPT | 40    | 38 | —    | 1 1/2 - 11 1/2 NPT | 18.38 | 130   | 91   | 94  | 118.2 | 45   | 99.7  | 12   | 17  | 70  | 4.4            | 420                          |
|                                                                                                                                     | KHM-50NPT | 50    | 48 | —    | 2 - 11 1/2 NPT     | 19.22 | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.6            | 420                          |
|                                                                                                                                     | KHM-50NPT | 50    | 48 | —    | 2 - 11 1/2 NPT     | 19.22 | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.6            | 420                          |
| <b>SAE J 514 UN/UNF</b><br>Female thread<br><br> | KHB-06SAE | 6     | 8  | —    | 7/16 - 20 UNF      | 12    | 69    | 37   | 28  | 44    | 14   | 33    | 7    | 9   | 22  | 0.3            | 500                          |
|                                                                                                                                     | KHB-10SAE | 10    | 10 | —    | 9/16 - 18 UNF      | 13    | 72    | 42   | 32  | 53    | 17   | 40    | 8.5  | 9   | 27  | 0.5            | 500                          |
|                                                                                                                                     | KHB-16SAE | 13    | 12 | —    | 3/4 - 16 UNF       | 15    | 92    | 47   | 35  | 53    | 17   | 40    | 8.5  | 9   | 30  | 0.6            | 500                          |
|                                                                                                                                     | KHB-16SAE | 16    | 15 | —    | 3/4 - 16 UNF       | 15    | 83    | 47   | 40  | 62    | 20   | 46    | 11   | 12  | 32  | 0.75           | 420                          |
|                                                                                                                                     | KHB-20SAE | 20    | 20 | —    | 1 1/16 - 12 UN     | 20    | 95    | 60   | 49  | 75    | 24.5 | 57    | 11.6 | 14  | 41  | 1.3            | 420                          |
|                                                                                                                                     | KHB-25SAE | 25    | 25 | —    | 1 5/16 - 12 UN     | 20    | 113   | 65   | 58  | 82    | 28.5 | 65    | 11.6 | 14  | 50  | 2              | 420                          |
|                                                                                                                                     | KHM-32SAE | 32    | 30 | —    | 1 5/8 - 12 UN      | 20    | 109.4 | 83.4 | 82  | 106.2 | 40   | 87.7  | 12   | 17  | 60  | 3.1            | 420                          |
|                                                                                                                                     | KHM-40SAE | 40    | 38 | —    | 1 7/8 - 12 UN      | 20    | 130   | 91   | 94  | 118.2 | 45   | 99.7  | 12   | 17  | 70  | 4.4            | 420                          |
|                                                                                                                                     | KHM-50SAE | 50    | 48 | —    | 2 1/2 - 12 UN      | 20    | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.6            | 420                          |
|                                                                                                                                     | KHM-50SAE | 50    | 48 | —    | 2 1/2 - 12 UN      | 20    | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.6            | 420                          |

## Stainless steel

| Connection type                                                                                                       | Type      | DN | LW | RA   | d1      | I    | L     | L1   | B   | H     | h1   | h2    | h3   | SW1 | SW2 | Weight<br>[kg] | Nom.<br>pressure<br>PN [bar] |
|-----------------------------------------------------------------------------------------------------------------------|-----------|----|----|------|---------|------|-------|------|-----|-------|------|-------|------|-----|-----|----------------|------------------------------|
| <b>DIN ISO 228</b><br>Female thread  | KHB-G1/8  | 4  | 8  | —    | G1/8    | 10   | 69    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.36           | 500                          |
|                                                                                                                       | KHB-G1/4  | 6  | 8  | —    | G1/4    | 14   | 69    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.43           | 500                          |
|                                                                                                                       | KHB-G3/8  | 10 | 10 | —    | G3/8    | 14   | 71.9  | 42   | 32  | 53.2  | 17.2 | 40    | 8.2  | 9   | 27  | 0.59           | 500                          |
|                                                                                                                       | KHB-G1/2  | 13 | 12 | —    | G1/2    | 15   | 84.2  | 47   | 35  | 53.2  | 17.2 | 40    | 8.2  | 9   | 30  | 0.66           | 500                          |
|                                                                                                                       | KHB-G1/2  | 16 | 15 | —    | G1/2    | 16   | 82.8  | 47   | 40  | 63.2  | 20   | 46    | 11   | 12  | 32  | 1.82           | 400                          |
|                                                                                                                       | KHB-G3/4  | 20 | 20 | —    | G3/4    | 18   | 95    | 60   | 49  | 74.8  | 24.5 | 57    | 11.4 | 14  | 41  | 1.82           | 350                          |
|                                                                                                                       | KHB-G1    | 25 | 25 | —    | G1      | 20.5 | 113.1 | 65   | 58  | 82.6  | 29.5 | 65    | 11.4 | 14  | 50  | 2.97           | 350                          |
|                                                                                                                       | KHM-G11/4 | 32 | 30 | —    | G11/4   | 22   | 109.4 | 83.4 | 80  | 105.2 | 40   | 86.7  | 12   | 17  | 60  | 3.29           | 350                          |
|                                                                                                                       | KHM-G11/2 | 40 | 38 | —    | G11/2   | 24   | 130   | 91   | 90  | 116.2 | 45   | 97.7  | 12   | 17  | 70  | 4              | 350                          |
|                                                                                                                       | KHM-G2    | 50 | 48 | —    | G2      | 28   | 140   | 100  | 111 | 134.2 | 55.5 | 115.7 | 12   | 17  | 80  | 6.82           | 350                          |
| <b>DIN 2353</b><br>Light range       | KHB-06LR  | 4  | 4  | 6    | M12x1,5 | 10   | 67    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.32           | 500                          |
|                                                                                                                       | KHB-08LR  | 6  | 6  | 8    | M14x1,5 | 10   | 67    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.43           | 500                          |
|                                                                                                                       | KHB-10LR  | 8  | 8  | 10   | M16x1,5 | 11   | 73.9  | 42   | 32  | 53.2  | 17.2 | 40    | 8.2  | 9   | 27  | 0.66           | 500                          |
|                                                                                                                       | KHB-12LR  | 10 | 10 | 12   | M18x1,5 | 11   | 73.9  | 42   | 32  | 53.2  | 17.2 | 40    | 8.2  | 9   | 27  | 0.66           | 500                          |
|                                                                                                                       | KHB-15LR  | 13 | 12 | 15   | M22x1,5 | 12   | 82    | 47   | 35  | 53.2  | 17.2 | 40    | 8.2  | 9   | 30  | 0.92           | 500                          |
|                                                                                                                       | KHB-18LR  | 16 | 15 | 18   | M26x1,5 | 12   | 81.8  | 47   | 40  | 63.2  | 20   | 46    | 11   | 12  | 32  | 0.98           | 400                          |
|                                                                                                                       | KHB-22LR  | 20 | 19 | 22   | M30x2   | 14   | 100.7 | 60   | 49  | 74.8  | 24.5 | 57    | 11.4 | 14  | 41  | 1.88           | 350                          |
|                                                                                                                       | KHB-28LR  | 25 | 24 | 28   | M36x2   | 14   | 107.9 | 65   | 58  | 82.6  | 29.5 | 65    | 11.4 | 14  | 50  | 2.88           | 350                          |
|                                                                                                                       | KHM-35LR  | 32 | 30 | 35,3 | M45x2   | 16   | 141.4 | 83.4 | 80  | 105.2 | 40   | 86.7  | 12   | 17  | 60  | 3.7            | 350                          |
|                                                                                                                       | KHM-42LR  | 40 | 36 | 42,3 | M52x2   | 16   | 162   | 91   | 90  | 116.2 | 45   | 97.7  | 12   | 17  | 70  | 4.9            | 350                          |
| <b>DIN 2353</b><br>Heavy range      | KHB-08SR  | 4  | 5  | 8    | M16x1,5 | 12   | 73    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.46           | 500                          |
|                                                                                                                       | KHB-10SR  | 6  | 7  | 10   | M18x1,5 | 12   | 73    | 37   | 28  | 44.7  | 14   | 33    | 6.7  | 9   | 22  | 0.55           | 500                          |
|                                                                                                                       | KHB-12SR  | 8  | 8  | 12   | M20x1,5 | 12   | 75.9  | 42   | 32  | 53.2  | 17.2 | 40    | 8.2  | 9   | 27  | 0.67           | 500                          |
|                                                                                                                       | KHB-14SR  | 10 | 10 | 14   | M22x1,5 | 14   | 79.9  | 42   | 32  | 53.2  | 17.2 | 40    | 8.2  | 9   | 27  | 0.68           | 500                          |
|                                                                                                                       | KHB-16SR  | 13 | 12 | 16   | M24x1,5 | 14   | 85.9  | 47   | 35  | 53.2  | 17.2 | 40    | 8.2  | 9   | 30  | 0.63           | 500                          |
|                                                                                                                       | KHB-20SR  | 16 | 15 | 20   | M30x2   | 16   | 89.8  | 47   | 40  | 63.2  | 20   | 46    | 11   | 12  | 32  | 0.95           | 400                          |
|                                                                                                                       | KHB-25SR  | 20 | 20 | 25   | M36x2   | 18   | 108.8 | 60   | 49  | 74.8  | 24.5 | 57    | 11.4 | 14  | 41  | 1.98           | 350                          |
|                                                                                                                       | KHB-30SR  | 25 | 25 | 30   | M42x2   | 20   | 119.9 | 65   | 58  | 82.6  | 29.5 | 65    | 11.4 | 14  | 50  | 3.09           | 350                          |
|                                                                                                                       | KHM-38SR  | 32 | 30 | 38,3 | M52x2   | 22   | 153.4 | 83.4 | 80  | 105.2 | 40   | 86.7  | 12   | 17  | 60  | 3.89           | 350                          |

## Fixing hole dimensions (SO 940)



## DIN ISO 228

\*\* NOTE: Dimensions changed

| Ød1    | DN | SW | a    | b    | M  | t | c  |
|--------|----|----|------|------|----|---|----|
| G 1/8  | 4  | 9  | 31** | 20** | M4 | 6 | 8  |
| G 1/4  | 6  | 9  | 31** | 20** | M4 | 6 | 8  |
| G 3/8  | 10 | 9  | 36   | 22   | M5 | 7 | 9  |
| G 1/2* | 13 | 9  | 36   | 22   | M5 | 7 | 9  |
| G 1/2  | 16 | 12 | 39** | 26** | M5 | 7 | 9  |
| G 3/4  | 20 | 14 | 45   | 28   | M6 | 9 | 11 |
| G 1    | 25 | 14 | 45   | 28   | M6 | 9 | 11 |

## DIN 2353 Light Range

| Ød1   | DN | SW | a    | b    | M  | t | c  |
|-------|----|----|------|------|----|---|----|
| 06LR  | 4  | 9  | 31** | 20** | M4 | 6 | 8  |
| 08LR  | 6  | 9  | 31** | 20** | M4 | 6 | 8  |
| 10LR  | 8  | 9  | 36   | 22   | M5 | 7 | 9  |
| 12LR  | 10 | 9  | 36   | 22   | M5 | 7 | 9  |
| 15LR* | 12 | 12 | 36   | 22   | M5 | 7 | 9  |
| 15LR  | 13 | 9  | 36   | 22   | M5 | 7 | 9  |
| 18LR  | 16 | 12 | 39** | 26** | M5 | 7 | 9  |
| 18LR* | 13 | 9  | 36   | 22   | M5 | 7 | 9  |
| 22LR  | 20 | 14 | 45   | 28   | M6 | 9 | 11 |
| 28LR  | 25 | 14 | 45   | 28   | M6 | 9 | 11 |

## DIN 2353 Heavy Range

| Ød1   | DN | SW | a    | b    | M  | t | c  |
|-------|----|----|------|------|----|---|----|
| 08SR  | 4  | 9  | 31** | 20** | M4 | 6 | 8  |
| 10SR  | 6  | 9  | 31** | 20** | M4 | 6 | 8  |
| 12SR  | 8  | 9  | 36   | 22   | M5 | 7 | 9  |
| 14SR  | 10 | 9  | 36   | 22   | M5 | 7 | 9  |
| 16SR  | 12 | 12 | 36   | 22   | M5 | 7 | 9  |
| 16SR* | 13 | 9  | 36   | 22   | M5 | 7 | 9  |
| 20SR  | 16 | 12 | 39** | 26** | M5 | 7 | 9  |
| 20SR* | 13 | 9  | 36   | 22   | M5 | 7 | 9  |
| 25SR  | 20 | 14 | 45   | 28   | M6 | 9 | 11 |
| 30SR  | 25 | 14 | 45   | 28   | M6 | 9 | 11 |

## DIN ISO 228

| Ød1    | DN | L   | L1 | B  | H   | h1   | h2 | a  | Øb  | c   | A   |
|--------|----|-----|----|----|-----|------|----|----|-----|-----|-----|
| G 1/8  | 4  | 69  | 37 | 26 | 64  | 13   | 32 | 28 | 5.5 | 4.5 | 108 |
| G 1/4  | 6  | 69  | 37 | 26 | 64  | 13   | 32 | 28 | 5.5 | 5   | 108 |
| G 3/8  | 10 | 72  | 42 | 32 | 68  | 17   | 40 | 32 | 5.5 | 5   | 108 |
| G 1/2* | 13 | 84  | 47 | 35 | 68  | 17   | 40 | 32 | 5.5 | 5   | 108 |
| G 1/2  | 16 | 83  | 47 | 38 | 102 | 19   | 45 | 38 | 5.5 | 5   | 174 |
| G 3/4  | 20 | 95  | 60 | 48 | 115 | 24.5 | 57 | 46 | 6.6 | 6   | 174 |
| G 1    | 25 | 113 | 65 | 57 | 122 | 28.5 | 64 | 46 | 6.6 | 6   | 174 |

## DIN 2353 Light Range

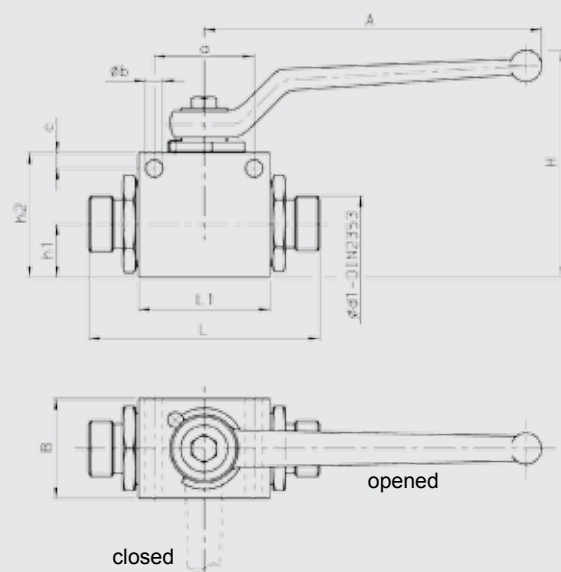
| Ød1   | DN | L   | L1 | B  | H   | h1   | h2 | a  | Øb  | c   | A   |
|-------|----|-----|----|----|-----|------|----|----|-----|-----|-----|
| 08LR  | 6  | 67  | 37 | 26 | 64  | 13   | 32 | 28 | 5.5 | 4.5 | 108 |
| 10LR  | 8  | 71  | 37 | 26 | 64  | 13   | 32 | 28 | 5.5 | 4.5 | 108 |
| 12LR  | 10 | 74  | 42 | 32 | 68  | 17   | 40 | 32 | 5.5 | 5   | 108 |
| 15LR* | 13 | 82  | 47 | 35 | 68  | 17   | 40 | 32 | 5.5 | 5   | 108 |
| 15LR  | 12 | 82  | 47 | 38 | 102 | 19   | 45 | 38 | 5.5 | 5   | 174 |
| 18LR  | 16 | 82  | 47 | 38 | 102 | 19   | 45 | 38 | 5.5 | 5   | 174 |
| 22LR  | 20 | 101 | 60 | 48 | 115 | 24.5 | 57 | 46 | 6.6 | 6   | 174 |
| 28LR  | 25 | 108 | 65 | 57 | 122 | 28.5 | 64 | 46 | 6.6 | 6   | 174 |

## DIN 2353 Heavy Range

| Ød1   | DN | L   | L1 | B  | H   | h1   | h2 | a  | Øb  | c | A   |
|-------|----|-----|----|----|-----|------|----|----|-----|---|-----|
| 08SR  | 4  | 73  | 35 | 25 | 55  | 13   | 30 | 27 | 4.5 | 4 | 70  |
| 10SR  | 6  | 73  | 35 | 25 | 55  | 13   | 30 | 27 | 4.5 | 4 | 70  |
| 12SR  | 8  | 76  | 42 | 32 | 68  | 17   | 40 | 32 | 5.5 | 5 | 108 |
| 14SR  | 10 | 80  | 42 | 32 | 68  | 17   | 40 | 32 | 5.5 | 5 | 108 |
| 16SR* | 12 | 86  | 47 | 35 | 68  | 17   | 40 | 32 | 5.5 | 5 | 108 |
| 16SR  | 13 | 86  | 47 | 38 | 102 | 19   | 45 | 38 | 5.5 | 5 | 174 |
| 20SR* | 16 | 90  | 47 | 35 | 68  | 17   | 40 | 32 | 5.5 | 5 | 108 |
| 20SR  | 13 | 90  | 47 | 38 | 102 | 19   | 45 | 38 | 5.5 | 5 | 174 |
| 25SR  | 20 | 109 | 60 | 48 | 115 | 24.5 | 57 | 46 | 6.6 | 6 | 174 |
| 30SR  | 25 | 120 | 65 | 57 | 122 | 28.5 | 64 | 46 | 6.6 | 6 | 174 |

\* reduced bore

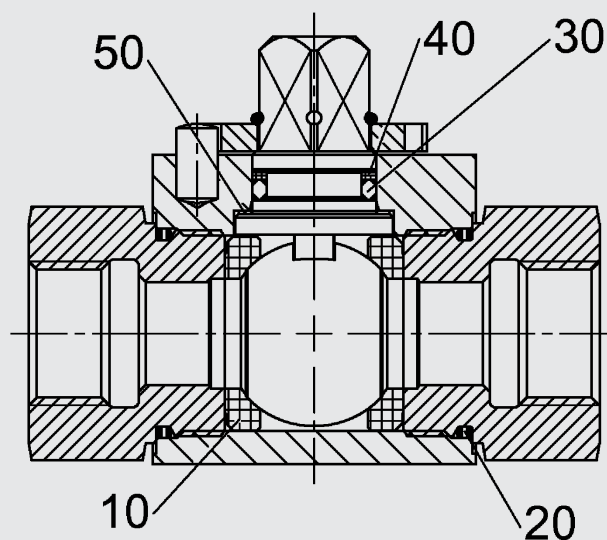
## Fixing hole dimensions (SO 1073)



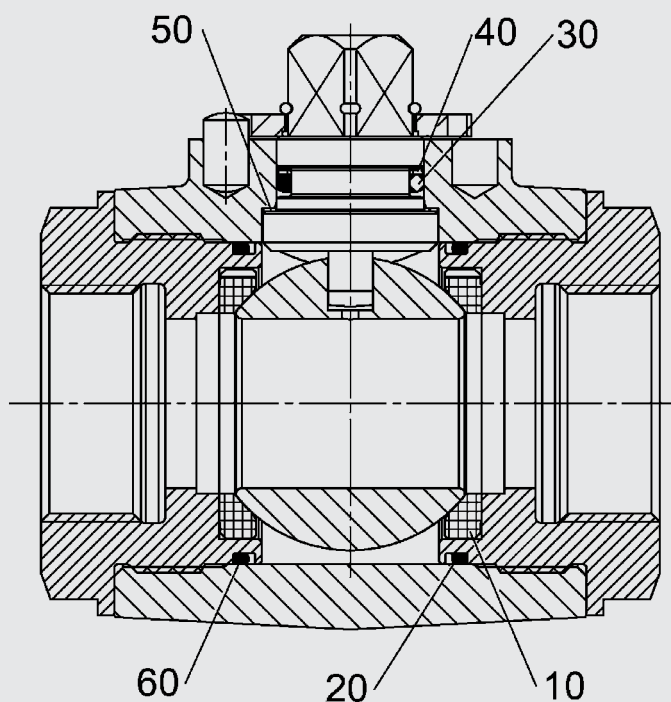
## Spare Parts

(Seal kit)

**KHB**, DN 04 - 25



**KHM**, DN 32 - 50



| Seal kit | Order No. = Part No. |
|----------|----------------------|
| DN 04/06 | 703 048              |
| DN 08/10 | 703 014              |
| DN 13    | 703 046              |
| DN 12/16 | 703 010              |
| DN 20    | 703 005              |
| DN 25    | 703 004              |
| DN 32    | 703 045              |
| DN 40    | 701 292              |
| DN 50    | 703 007              |

The parts indicated by numbers in the above drawings are contained in the seal kit.

## NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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