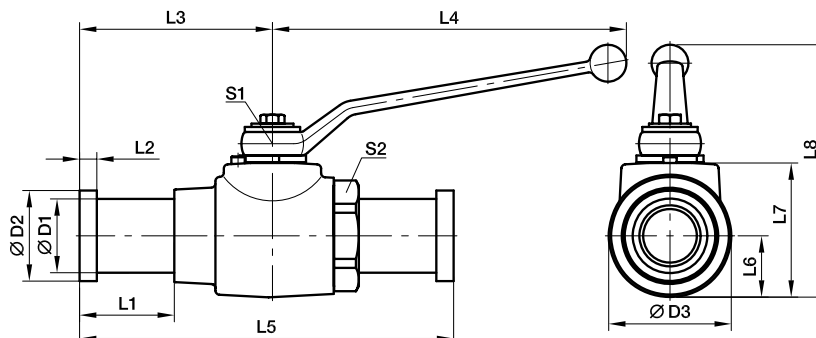


## Ball valve flanges



### KH-A-S Ball valve with SAE Flange adapter connection

SAE Flange / Ball valve L2/2 way steel  
(ISO 6162-1/-2)



#### 3000 PSI Series

| Nom. flange size |          |    |      |    |      |     |       |     |       |      |     |     |    |    |            | Weight (steel)<br>kg/piece | Order code*    | PN (bar) <sup>1)</sup><br>S |
|------------------|----------|----|------|----|------|-----|-------|-----|-------|------|-----|-----|----|----|------------|----------------------------|----------------|-----------------------------|
| SAE (in)         | ISO (DN) | D1 | D2   | D3 | L1   | L2  | L3    | L4  | L5    | L6   | L7  | L8  | S1 | S2 | O-ring     |                            |                |                             |
| 1/2              | 12       | 24 | 30.2 | 35 | 42.0 | 6.7 | 75.5  | 112 | 151.0 | 17.0 | 40  | 92  | 10 | 32 | 18.66×3.53 | 0.9                        | <b>KH12A32</b> | 350                         |
| 3/4              | 20       | 32 | 38.1 | 45 | 43.0 | 6.7 | 81.0  | 187 | 162.0 | 24.0 | 55  | 113 | 14 | 41 | 25.00×3.53 | 1.7                        | <b>KH20A33</b> | 315                         |
| 1                | 25       | 38 | 44.4 | 55 | 38.9 | 8.0 | 89.0  | 187 | 178.0 | 26.0 | 60  | 118 | 14 | 50 | 32.92×3.53 | 2.5                        | <b>KH25A34</b> | 315                         |
| 1 1/4            | 32       | 43 | 50.8 | 73 | 40.3 | 8.0 | 99.0  | 227 | 190.5 | 36.5 | 80  | 155 | 17 | 60 | 37.70×3.53 | 3.1                        | <b>KH32A35</b> | 276                         |
| 1 1/2            | 40       | 50 | 60.3 | 85 | 58.3 | 8.0 | 115.5 | 227 | 231.0 | 42.5 | 90  | 165 | 17 | 70 | 47.22×3.53 | 4.3                        | <b>KH40A36</b> | 207                         |
| 2                | 50       | 62 | 71.4 | 99 | 50.9 | 9.5 | 116.0 | 227 | 232.0 | 49.5 | 104 | 179 | 17 | 85 | 56.74×3.53 | 5.8                        | <b>KH50A38</b> | 207                         |

#### 6000 PSI Series

|       |    |    |      |    |      |      |       |     |       |      |     |     |    |    |            |     |                |     |
|-------|----|----|------|----|------|------|-------|-----|-------|------|-----|-----|----|----|------------|-----|----------------|-----|
| 1/2   | 12 | 24 | 31.7 | 35 | 42.0 | 7.7  | 75.5  | 112 | 151.0 | 17.0 | 40  | 92  | 10 | 32 | 18.66×3.53 | 1.0 | <b>KH12A62</b> | 420 |
| 3/4   | 20 | 32 | 41.3 | 45 | 49.0 | 8.8  | 87.0  | 187 | 174.0 | 24.0 | 55  | 113 | 14 | 46 | 25.00×3.53 | 1.9 | <b>KH20A63</b> | 315 |
| 1     | 25 | 38 | 47.6 | 55 | 49.0 | 9.5  | 99.0  | 187 | 198.0 | 26.0 | 60  | 118 | 14 | 50 | 32.92×3.53 | 2.8 | <b>KH25A64</b> | 315 |
| 1 1/4 | 32 | 44 | 54.0 | 73 | 56.5 | 10.3 | 115.0 | 227 | 223.0 | 36.5 | 80  | 155 | 17 | 60 | 37.70×3.53 | 3.3 | <b>KH32A65</b> | 315 |
| 1 1/2 | 40 | 51 | 63.5 | 85 | 83.5 | 12.6 | 140.5 | 227 | 281.0 | 42.5 | 90  | 165 | 17 | 70 | 47.22×3.53 | 4.8 | <b>KH40A66</b> | 315 |
| 2     | 50 | 67 | 79.4 | 99 | 93.0 | 12.6 | 158.0 | 227 | 316.0 | 49.5 | 104 | 179 | 17 | 85 | 56.74×3.53 | 7.4 | <b>KH50A68</b> | 315 |

<sup>1)</sup> Pressure shown = Item deliverable

The pressure specification PN for quarter turn ball valves applies to the design factor 1.5 (according DIN 3230 T5 and ISO 5208).

PN (bar)  
10 = PN (MPa)

#### Materials:

Body made of steel, coating DIN 50938-FE/A/T4,  
ball of hard chrome plated carbon steel, stem of zinc plated steel.

#### Applications:

Suitable for petroleum-based hydraulic fluid, lubricants and fuel oil.  
For air applications suitable up to 100 bar.

#### Seals:

Ball seat of POM (e.g. Delrin), stem seal of NBR (e.g. Perbunan).

#### Temperature range:

-10 up to +100° C

| Order code suffixes             |                             |            |                                                         |
|---------------------------------|-----------------------------|------------|---------------------------------------------------------|
| Material                        | Suffix surface and material | Example    | Standard sealing material (no additional suffix needed) |
| Steel, zinc plated, Cr(VI)-free | CF                          | KH12A63CFX | POM / NBR                                               |
| Steel                           | DIN 50938-FE//A/T4          | KH12A63X   | POM / NBR                                               |

