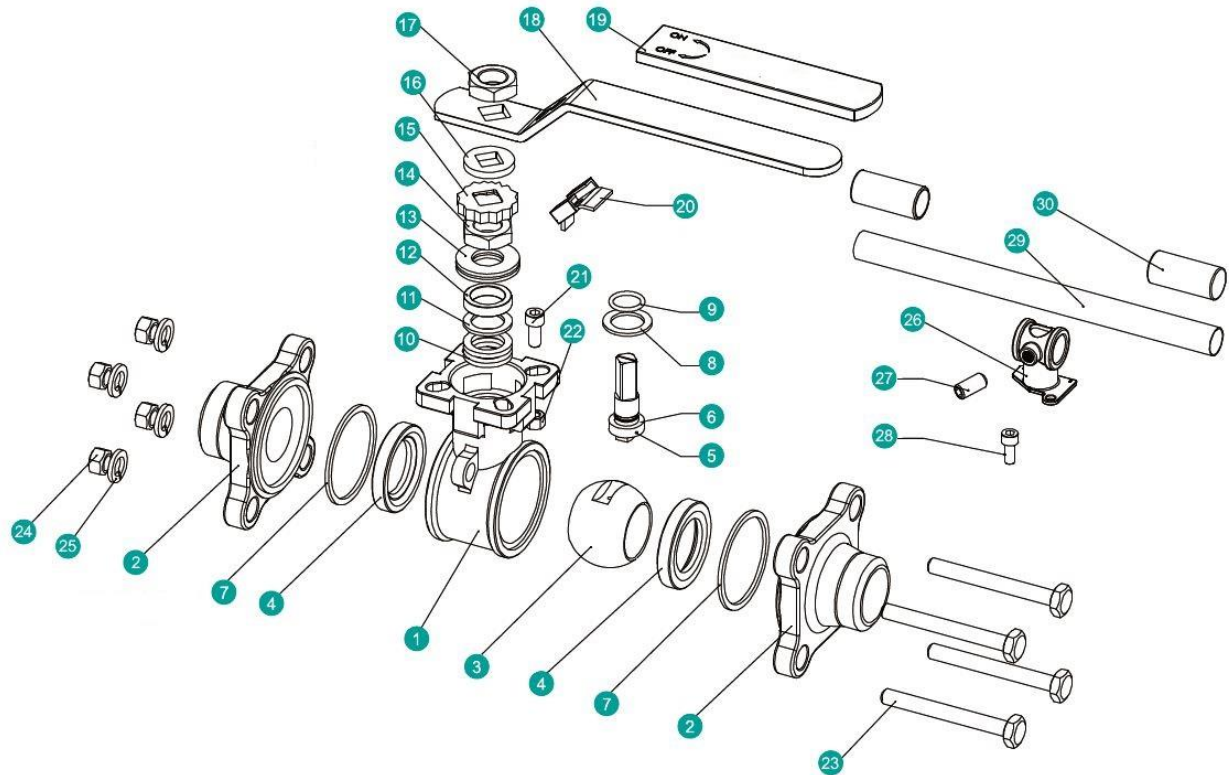


**3-piece Ball Valve with welding ends**  
**KH-WA-3AEM**  
**Stainless Steel***ISO-direkt*

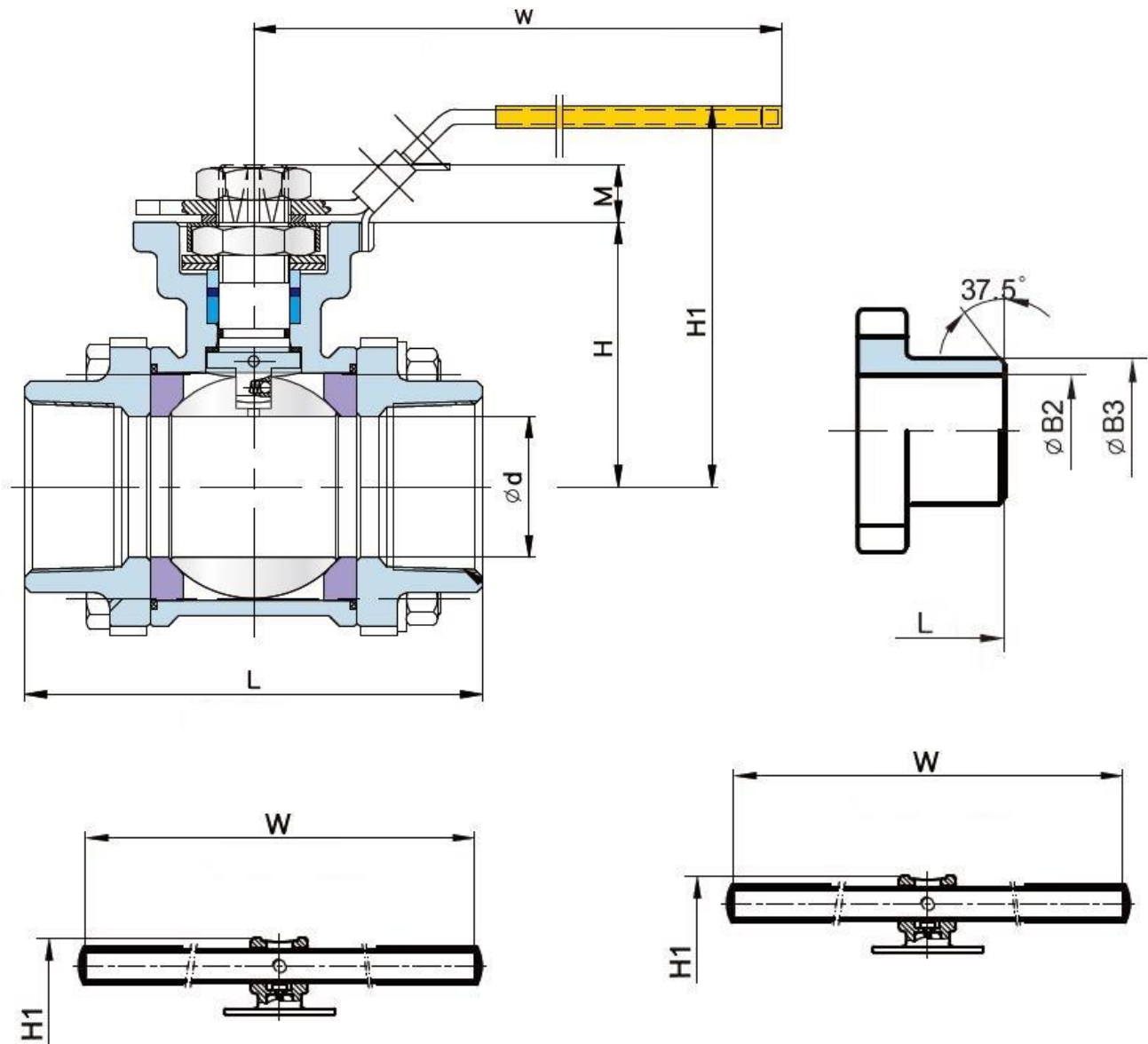
**Nominal Pressure: PN63**  
**Face to face acc. to DIN 3202-S13**  
**Welding ends on both sides**  
**acc. to ASME B16.25**  
**Body: Stainless Steel (1.4408)**  
**Ball: Stainless Steel (1.4408)**  
**Ball Seats: TFM 1600**  
**Full Bore**  
**Blow-out Proof Stem in Stainless Steel**  
**Anti-Static-Design**  
**incl. lockable handlever**

**Certificates/Tests: TA-Luft**

| Nominal Diameter | Nominal Pressure | Article number    |
|------------------|------------------|-------------------|
| DN8              | PN63             | KH-WA-3AEM-1/4"   |
| DN10             | PN63             | KH-WA-3AEM-3/8"   |
| DN15             | PN63             | KH-WA-3AEM-1/2"   |
| DN20             | PN63             | KH-WA-3AEM-3/4"   |
| DN25             | PN63             | KH-WA-3AEM-1"     |
| DN32             | PN63             | KH-WA-3AEM-1 1/4" |
| DN40             | PN63             | KH-WA-3AEM-1 1/2" |
| DN50             | PN63             | KH-WA-3AEM-2"     |
| DN65             | PN63             | KH-WA-3AEM-2 1/2" |
| DN80             | PN63             | KH-WA-3AEM-3"     |
| DN100            | PN63             | KH-WA-3AEM-4"     |



| Material of Construction |                    |                   |     |                      |                |
|--------------------------|--------------------|-------------------|-----|----------------------|----------------|
| No.                      | Part Name          | Material          | No. | Part Name            | Material       |
| 1                        | Body               | CF8M (1.4408)     | 16  | Spacer               | AISI304        |
| 2                        | End caps           | CF3M (1.4409)     | 17  | Counter Nut          | A194-8         |
| 3                        | Ball               | CF8M (1.4408)     | 18  | Hand lever (1/4"-3") | AISI304        |
| 4                        | Ball Seat          | TFM 1600          | 19  | Handle sleeve        | Vinyl          |
| 5                        | Spindle            | AISI316           | 20  | Locking Device       | AISI304        |
| 6                        | Anti-Static-Device | AISI316           | 21  | Stop screw           | A2-70          |
| 7                        | Body Gasket        | PTFE/TFM1600      | 22  | Stop nut             | A2-70          |
| 8                        | Stem Gasket        | PTFE/TFM1600      | 23  | Body screws          | A193-B8/A2-70  |
| 9                        | O-Ring             | FKM               | 24  | Nuts                 | A194-8/A2-70   |
| 10                       | Packing            | PTFE/TFM1600      | 25  | Washer               | AISI304        |
| 11                       | Bearing Bush       | 50% VA + 50% PTFE | 26  | Handle Adapter (4")  | A351-CF8       |
| 12                       | Packing Gland      | AISI316           | 27  | Grub screw (4")      | A2-70          |
| 13                       | Belleville Washer  | AISI301           | 28  | Screw                | A2-70          |
| 14                       | Stem Nut           | A194-8            | 29  | Pipe Handle          | A53 galvanised |
| 15                       | Rotation Lock      | AISI304           | 30  | Handle sleeve        | Vinyl          |



| Dimensions in mm |      |     |       |     |     |       |     |    |    |    |    |     |      |
|------------------|------|-----|-------|-----|-----|-------|-----|----|----|----|----|-----|------|
| Nominal Diameter | Ød   | L   | H     | H1  | W   | B2    | B3  | L1 | P  | M  | E1 | E2  | Kg   |
| DN8              | 10,6 | 70  | 42    | 72  | 147 | 9,3   | 18  | 10 | 9  | 9  | 36 | 42  | 0,64 |
| DN10             | 12,7 | 70  | 42    | 72  | 147 | 12,5  | 18  | 10 | 9  | 9  | 36 | 42  | 0,61 |
| DN15             | 15   | 75  | 42    | 72  | 147 | 15,8  | 22  | 10 | 9  | 9  | 36 | 42  | 0,63 |
| DN20             | 20   | 90  | 48,5  | 79  | 147 | 20,9  | 28  | 13 | 9  | 9  | 36 | 50  | 0,91 |
| DN25             | 25   | 100 | 58,5  | 89  | 177 | 26,7  | 34  | 13 | 11 | 11 | 42 | 50  | 1,35 |
| DN32             | 32   | 110 | 63    | 93  | 177 | 35,1  | 43  | 16 | 11 | 11 | 42 | 70  | 2,08 |
| DN40             | 38   | 125 | 71,3  | 103 | 197 | 40,9  | 50  | 16 | 14 | 14 | 50 | 70  | 2,97 |
| DN50             | 50   | 150 | 78,2  | 110 | 197 | 52,5  | 61  | 17 | 14 | 14 | 50 | 70  | 4,3  |
| DN65             | 63,5 | 190 | 100   | 150 | 267 | 62,7  | 76  | 17 | 17 | 17 | 70 | 102 | 8,5  |
| DN80             | 76   | 220 | 108,5 | 159 | 267 | 78,0  | 92  | 17 | 17 | 17 | 70 | 102 | 12,3 |
| DN100            | 100  | 270 | 140   | 212 | 400 | 102,4 | 115 | 20 | 22 | 22 | -  | 102 | 23,4 |