

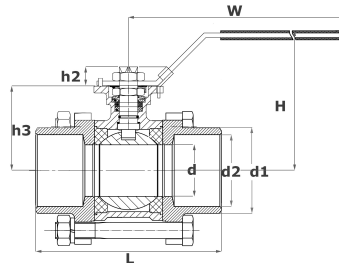
ball valve butt weld

[short name: K3.S*](#)

3-piece, DIN 3202 S13

for directly actuator mounting

mounting pad acc. ISO 5211



technical product sheet

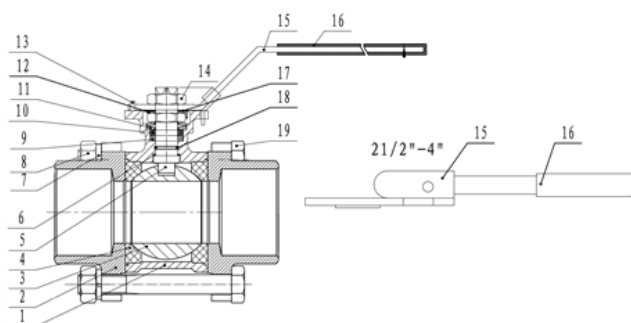
Zoll	d1	L	H	D	d	d2	W	Ausf	PN	kg
1/4"	13,5	70	70	18,0	10,8	10,8	143	mit Schließlasche	63	0,500
3/8"	17,2	70	70	18,0	13,0	12,5	143	mit Schließlasche	63	0,406
1/2"	21,3	75	70	23,0	16,0	15,0	143	mit Schließlasche	63	0,536
3/4"	26,9	90	79	28,0	21,0	20,0	143	mit Schließlasche	63	0,726
1"	33,7	100	95	35,0	26,6	25,0	163	mit Schließlasche	63	1,140
1 1/4"	42,4	110	100	43,0	35,0	32,0	163	mit Schließlasche	63	1,820
1 1/2"	48,3	125	116	50,0	40,5	38,0	188	mit Schließlasche	63	2,600
2"	60,3	150	124	61,0	52,5	50,0	188	mit Schließlasche	63	3,600
2 1/2"	76,1	190	141	75,0	65,0	64,0	350	ohne Schließlasche	40	7,569
3"	88,9	220	149	91,0	78,0	76,0	350	ohne Schließlasche	20	10,100
4"	114,3	270	173	115,0	100,0	94,0	350	ohne Schließlasche	16	22,000

available material: V4A

Industrial valves > ball valves > butt weld ends > DIN 3202 S13

full description:

ball valve butt weld
 3-piece, DIN 3202 S13
 for directly actuator mounting
 mounting pad acc. ISO 5211
 - full bore
 - anti-static



PARTS LIST

No.	Part Name	Material
1.	Housing	V4A (CF8M/1.4408)
2.	Cap	V4A (CF8M/1.4408)
3.	Ball	V4A (CF8M/1.4408)
4.	Seal	PTFE
5.	Control shaft	316
6.	Pressure disk	PTFE
7.	Washer	304
8.	Nut	304
9.	Packing	PTFE
10.	Washer	304
11.	Belleville washer	301
12.	Lock washer	304
13.	Locking device	304
14.	Nut	304
15.	Handle	304
16.	Hand sleeve	Plastic
17.	Washer	304
18.	O-Ring	Viton*
19.	Bolts	304

*Details see dimensions table

Torque

DN	G	N-m
8	1/4"	5
10	3/8"	5
15	1/2"	5
20	3/4"	5
25	1"	15
32	1 1/4"	15
40	1 1/2"	20
50	2"	30
65	2 1/2"	30
80	3"	30
100	4"	65

ISO-Top

DN	T	F	V
8	1/4"	F03/04	9
10	3/8"	F03/04	9
15	1/2"	F03/04	9
20	3/4"	F03/04	9
25	1"	F04/05	11
32	1 1/4"	F04/05	11
40	1 1/2"	F05/07	14
50	2"	F05/07	14
65	2 1/2"	F07/10	17
80	3"	F07/10	17
100	4"	F10/12	22

Features

Designation	Version
female thread	acc. to ISO 228/1
Mounting length	acc. to DIN 3202/4-M3
ISO-Top	acc. to ISO 5211
anti-static	certificate acc. to ATEX Ex h IIC T4 Gb

Mounting

Before welding the ends of the connections, the middle section of the ball valve must be disassembled to prevent damaging the seals.

1. Clamp the valve carefully in a vise. You can prevent damage to the ends of the housing using protective wedges.

Unscrew the hex-head nuts crosswise and pull the screws out of the housing.

Remove the middle section of the ball valve. Make sure that the seals and the ball do not fall out of the housing. Place the parts aside with care. You should mark the ends order to be able to determine which ends are for connection later during reassembly.

2. Mount a piece of tube with a length equal to that of the middle section between the ends of the connections.

3. Allow the ends of the connections to cool off adequately before you install the middle section.

Remove the piece of tube mentioned above.

Push the middle section of the ball valve between the ends of the connection.

If necessary, orient the middle section so it attaches to the corresponding ends of the connection.

Make sure that all seals are seated properly and that there is no dirt or contamination on the seals or the ball.

Push the hex-head screw through the holes in the ends of the connection. Tighten the nuts evenly by tightening them crosswise. Note the maximum torque of the screws when tightening.

Test the function of the ball valve. Test all connections to ensure they do not leak.

Maintenance and inspection

The ball valves are maintenance-free under normal operating and ambient conditions. However, the following inspections should be performed at regular intervals depending on the frequency of activation and the operating conditions:

> Check the spindle seal for leaks

If the seal is failing, then the stem packing must be tightened at operating pressure.

Tighten the nut until the spindle seal is tight again and does not leak any more.

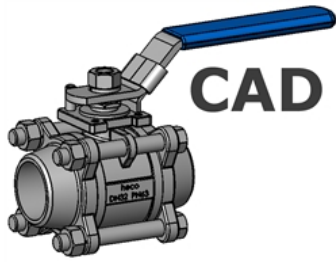
Make sure that the ball valve is still easy to operate.

> Testing the ball seal for leaks

If the seal is not tight enough, the ball and/or the seal set of the ball valve can be replaced.

For 3-part ball valves, you only need to remove the middle part of the ball valve.

You absolutely must follow our installation and operating instructions!



als 3D-Modell verfügbar

