



Ball Valves in cast 316 SS 2-way, 3-piece construction

- 2250 PSI WOG
- Thread and socket weld ends
- Full port to Sch 40 pipe
- Full lugged body
- Range of seal options
- Blow-out proof stem with self adjust packing
- ISO 5211 direct actuator mount

Type 2654 can be combined with...



Stem Extensions

Fugitive Emissions
Bonnet



Type 2051

Pneumatic rotary
actuator



Type 3003

Electric rotary actuator



Type 3004

Electric explosion
proof actuator



Type 3005

Electric rotary actuator



Type 8792

Positioner

This Burkert ball valve design is an industry proven three piece investment cast body with PTFE/FKM sealing. It finds wide use in fluid media while offering higher cycle life and reduced torque. The self-adjusting packing gland is a dual sealing type with an alignment collar for superior tightness.

The Type 2654 is automation ready with an ISO 5211 mounting pad for direct coupling of the actuator. A full range of actuators, pilots, digital positioners, feedback switches and bus network options are available for integration into plant control systems.

For maintenance, this design allows removal of all seals with just four bolts. The fully lugged body enhances the pressure rating and provides for easy re-assembly. The ball is full port style, presenting a C_v and pressure drop similar to an open line, without restriction to high flow CIP or entrained solids.

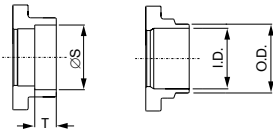
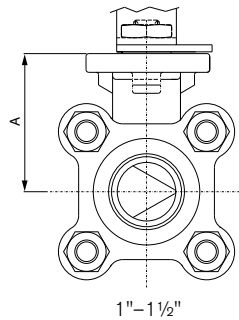
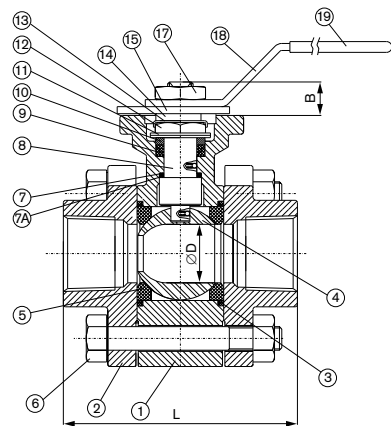
Technical data

Valve size	1/4" to 3"
Body materials	CF8M (cast 316 SS)
Ball material	316 SS
Stem material	316 SS
Port diameter class	Full port to Sch 40 pipe size
Ball seal material	TFM, DELRIN (others to application)
Media	Compatible with materials of construction and pressure/temperature limits of seals
Viscosity	As torque effect allows
Packing gland	Self-adjusting TFM and PEEK with 304SS guide/follower
Media temperature	-50°F to 220°F (DELRIN), 450°F (TFM)
End connections	NPT – National pipe thread tapered Socket weld – to schedule pipe OD
Installation	As required
Flow direction	Seals to rated pressure in both directions
Control option	Size to conditions or V Port Ball
Pressure rating	2250 PSI – 1/4" to 3"

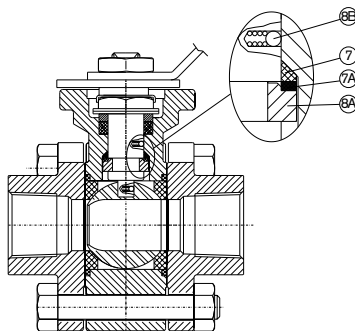
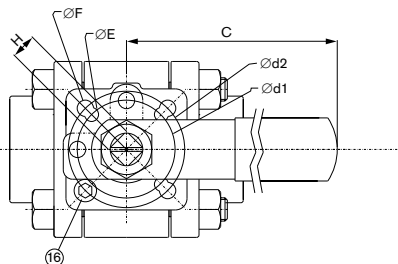
Ordering chart

	Type	Pressure class	Design	Valve size	End connection	Body material	Seal material	Option		
EXAMPLE	2654	– 2250	– 2-way	– 1"	– NPT	– CF8M	– PTFE	–		

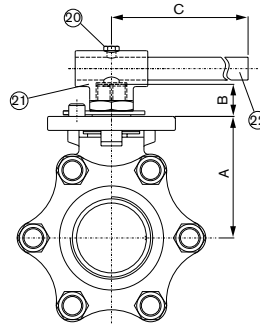
Dimensions 1/4"-3" [mm]



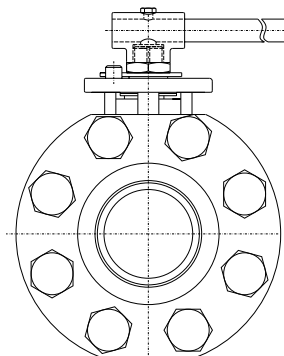
Socket weld Butt weld (Sch. 40/80) ISO direct mount for directly assembling actuator.



1/4"-3/4"



2"

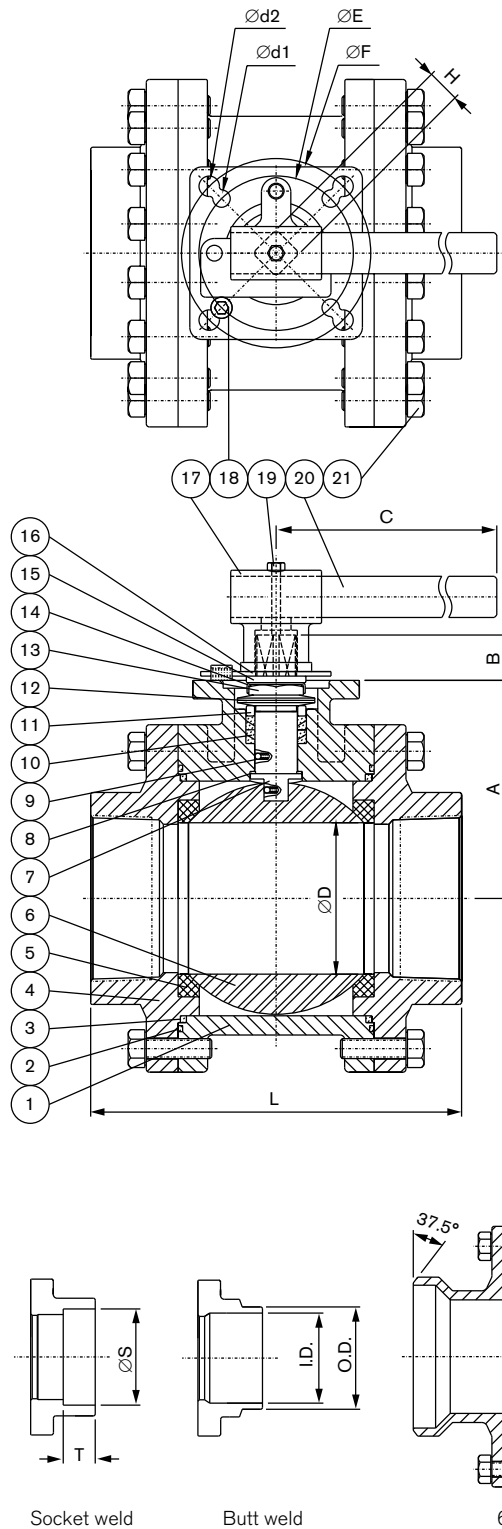


2 1/2"-3"

Item	Part Name	Materials
1	Body	CF8M
2	End cap	CF8M
3	Gasket (body)	TFM
4	Ball	SS 316
5	Ball Seats	TFM/DELTRIN/ PEEK
6	Bolts	SS 304
7	Thrust washer	TFM
7A	Thrust washer	PEEK
8	Stem	SS 316
8A	Half split ring	SS 316
8B	Anti-static	SS 316
9	Stem packing	TFM
10	Gland washer	SS 304
11	Disk washer	SS 301
12	Stem nut	SS 304
13	Nut stop	SS 304
14	Space washer	SS 304
15	Plater	SS 304
16	Stop pin	SS 304
17	Handle Nut	SS 304
18	Handle	SS 304
19	Handle cover	Plastic
20	Set bolt	SS 304
21	Lever head	CF 8
22	Lever	Steel pipe

Size	A	B	C	D	d1	d2	E	F	H	L	SW S	T	BW (40#) OD	ID	BW (80#) OD	ID
1/4"	46	9	130	11	6.0	6.0	36	42	9	66.5	14.2	11.1	14.0	9.2	14.0	7.5
3/8"	46	9	130	12.5	6.0	6.0	36	42	9	66.5	17.5	11.1	17.0	12.7	17.0	10.8
1/2"	48	9	130	15	6.0	6.0	36	42	9	70	21.8	12.7	21.3	15.9	21.3	13.8
3/4"	53	12	155	20	6.0	6.0	42	50	11	92	27.1	14.3	26.7	20.6	26.7	18.9
1"	59	12	155	25	6.0	7.0	42	50	11	105	33.8	15.9	33.3	26.6	33.3	24.3
1 1/4"	62	14.5	205	32	7.0	9.2	50	70	14	111	42.5	17.5	42.2	35.1	42.2	32.5
1 1/2"	70	14.5	205	38	7.0	9.2	50	70	14	124	48.7	18.3	48.5	40.5	48.5	38.1
2"	90	19	300	50	9.2	11.4	70	102	17	150	61.1	21.3	60.5	52.4	60.5	49.3
2 1/2"	105	18	350	63.5	9.2	11.4	70	102	17	165	73.9	22.2	73.2	62.7	73.2	59.0
3"	119	25	400	78	11.4	13.5	102	125	22	195	89.9	25.4	89.2	78.0	89.2	73.7

Dimensions 4" & 6" [mm]

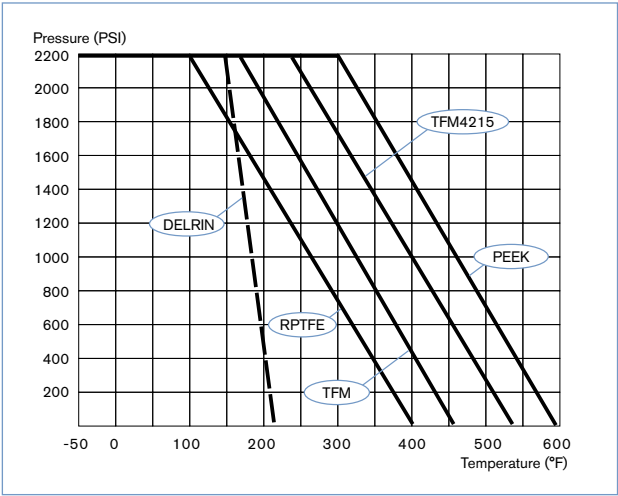


Item	Part Name	Materials
1	Body	CF8M
2	Gasket (big)	TFM
3	Gasket (small)	TFM
4	End cap	CF8M
5	Ball Seats	TFM/DELIRIN
6	Ball	SS 316
7	Stem	17-4 PH
8	Thrust washer	PEEK
9	Anti-static	SS 316
10	Stem packing	TFM
11	Gland washer	SS 304
12	Disk washer	SS 301
13	Stem nut	SS 304
14	Nut stop	SS 304
15	Space washer	SS 304
16	Plater	SS 304
17	Lever head	CF8
18	Stop pin	SS 304
19	Set bolt	SS 304
20	Lever	Steel pipe
21	Bolts	SS 304

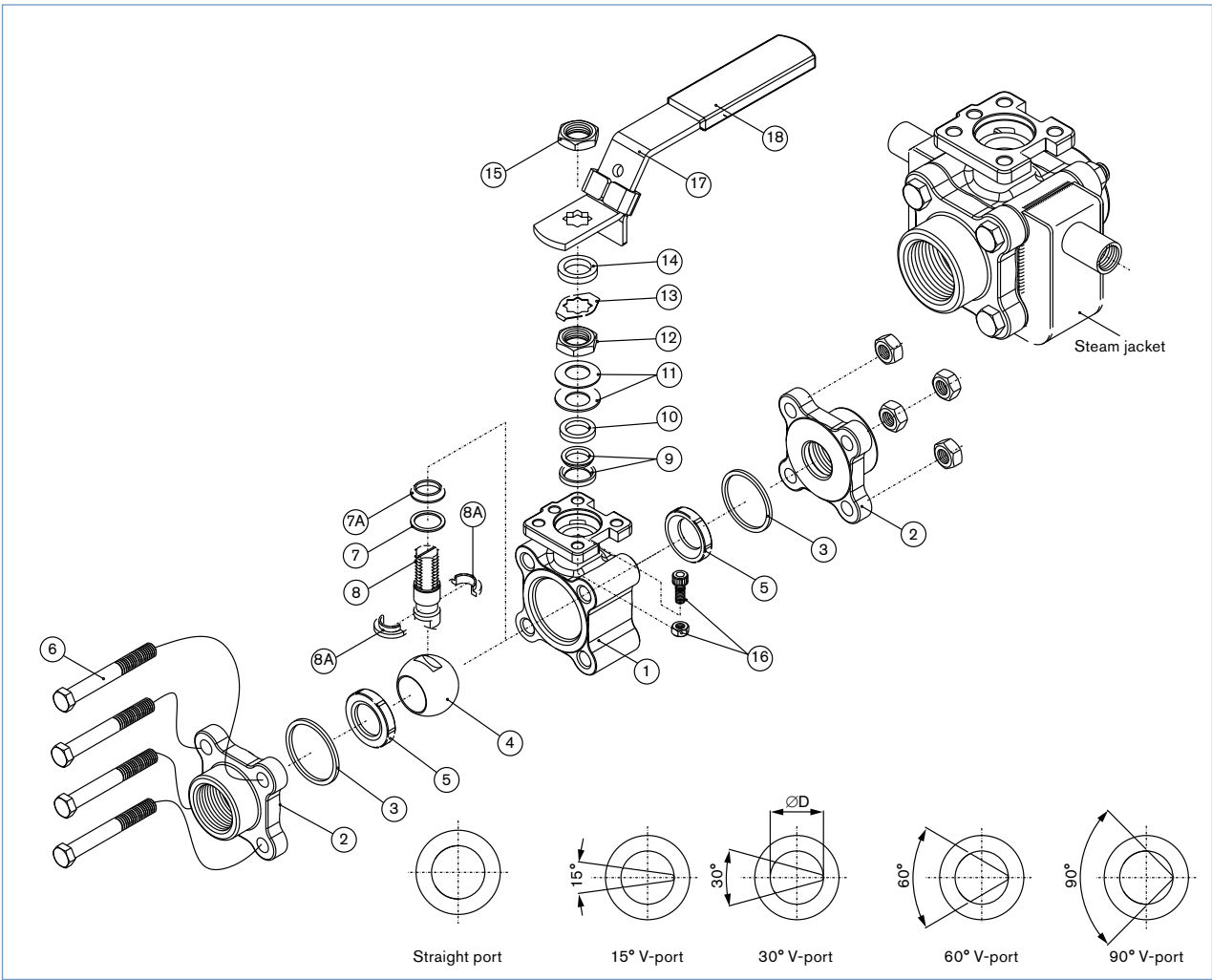
4" and 6" (standard)

Size	A	B	C	D	d1	d2	E	F	H	L	SW		BW (40#)		BW (80#)		BW (160#)	
											S	T	OD	ID	OD	ID	OD	ID
4"	144	25	380	99	11.5	13.5	102	125	22	245	115.2	32	114.5	102.2	114.5	97.2	114.5	87.3
6" (std)	144	25	380	99	11.5	13.5	102	125	22	310	-	-	168.3	154	168.3	146.3	168.3	131.7

Pressure-temperature limits



Exploded view



In case of special application conditions,
please consult for advice.

We reserve the right to make technical changes without notice.
© Christian Bürkert GmbH & Co. KG

113/0_US-en#