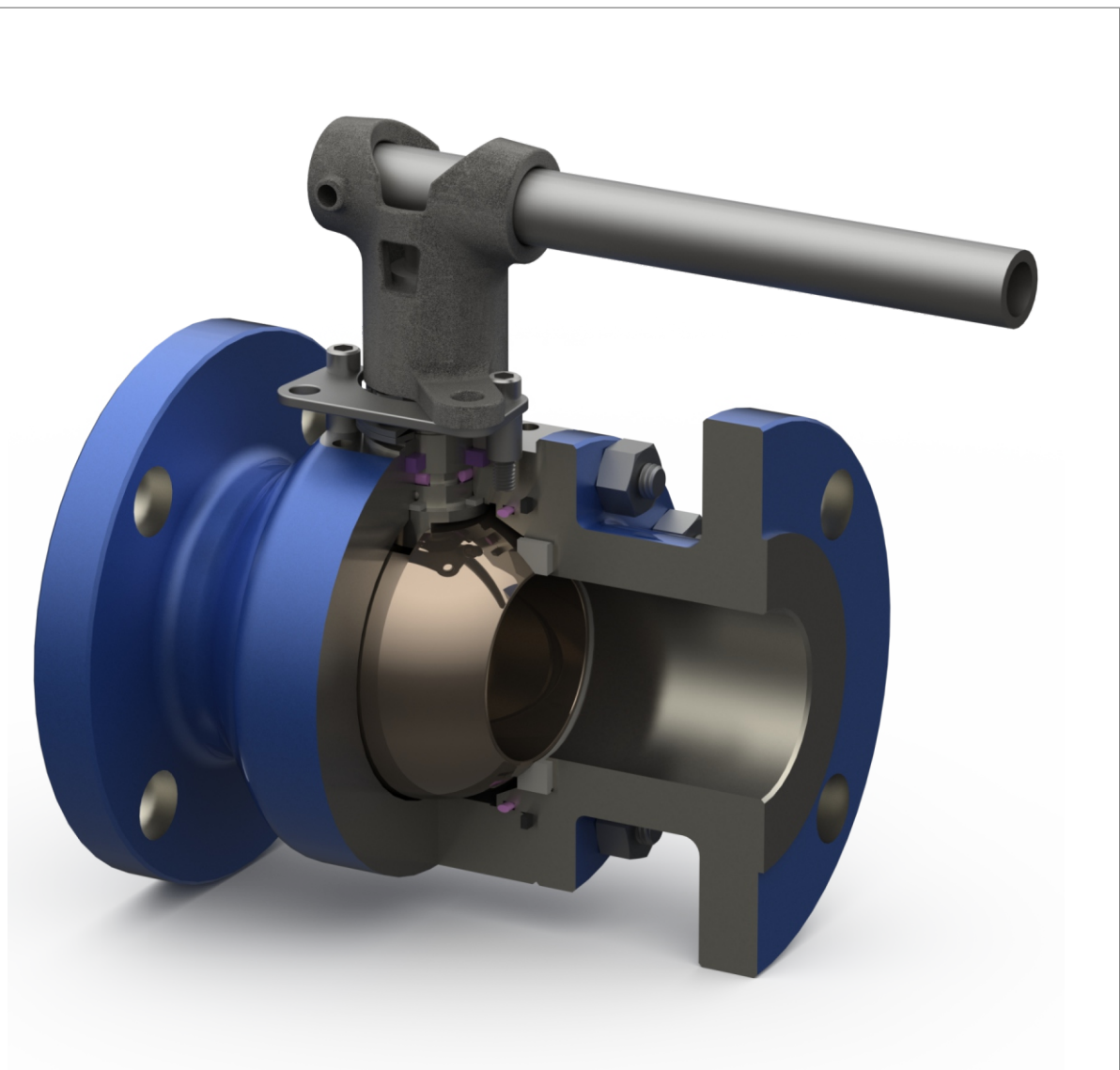


Series FF

Part number: C-FF-1504

2PC/3PC Body Forged Floating Ball Valve



Features:

Size: 1/2"~10"
Class: 150~2500
2PC/3PC Body Forged Steel Body
Floating Ball, Full & Reduced Bore
Anti-static Device
Blow-out Proof Stem
Fire Safe Design
Low Emission

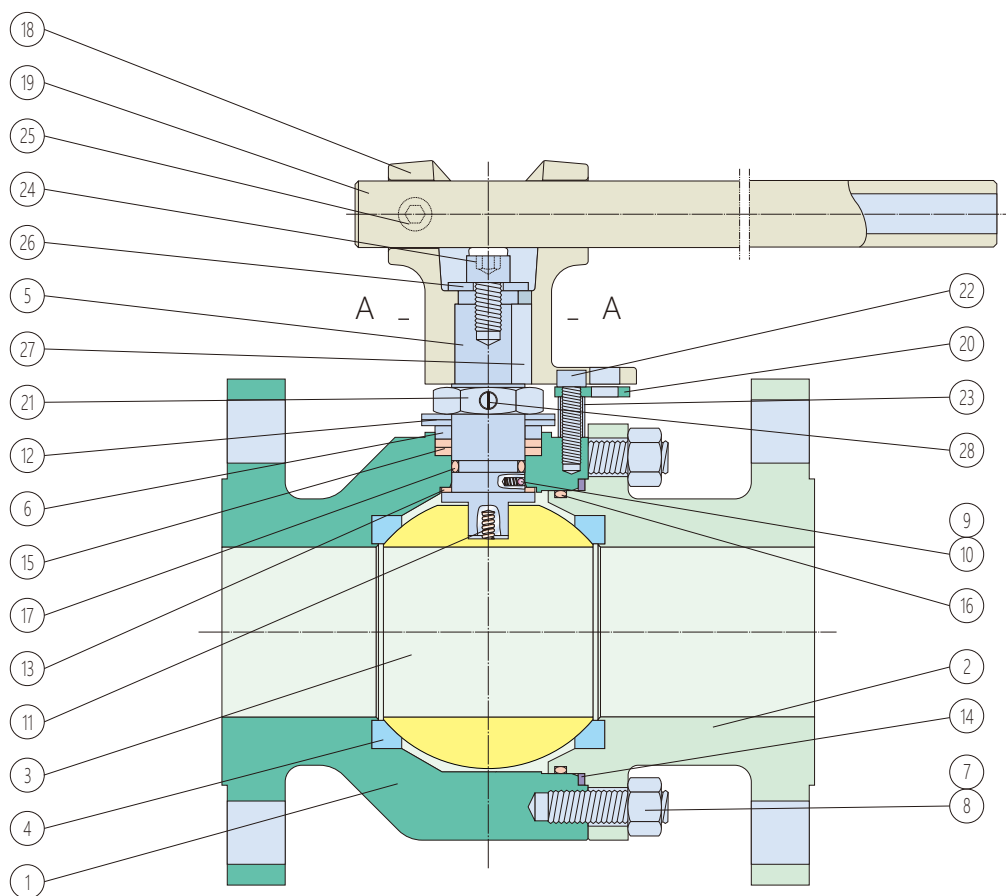
Specifications

Design	ASME B16.34/API6D/ BS EN ISO 17292(BS5351)
Face to Face	ASME B16.10
End to End	ASME B16.10
End Flange	ASME B16.5
BW End	ASME B16.25
Test	API 598/BS EN 12266(BS6755)
Fire Safe Test	API 607/API 6FA
Special	NACE MR0175

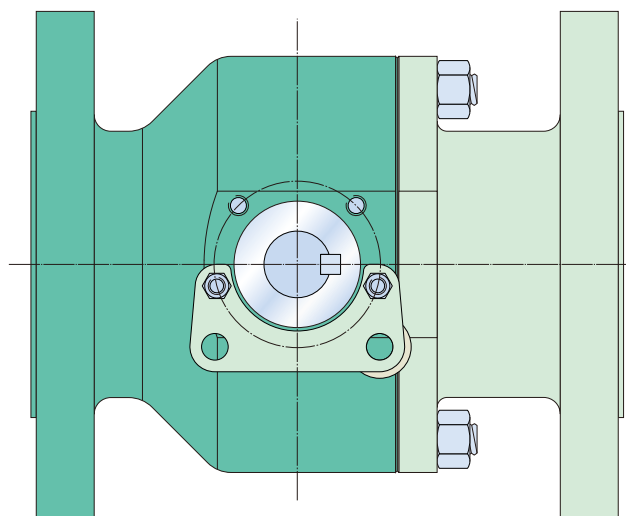
Series FF

2PC/3PC Body Forged Floating Ball Valve

MATERIAL SPECIFICATIONS



A-A



Series FF

2PC/3PC Body Forged Floating Ball Valve

MATERIAL SPECIFICATIONS

NO.	PART	A105/ENP	A105/316	F316/316	LF2/316 NACE
1	Body	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A350-LF2
2	Adapter	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A350-LF2
3	Ball	ASTM A105N/ENP	ASTM A182-F316	ASTM A182-F316	ASTM A182-F316
4	Seat Ring	PTFE/Nylon/PEEK	PTFE/Nylon/PEEK	PTFE/Nylon/PEEK	PTFE/Nylon/PEEK
5	Stem	AISI 4140/ENP	ASTM A182-F51	ASTM A182-F51	ASTM A182-F51
6	Gland Ring	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-316
7	Body Stud	ASTM A193-B7	ASTM A193-B7	ASTM A193-B8	ASTM A320-L7M
8	Body Nut	ASTM A194-2H	ASTM A194-2H	ASTM A194-8	ASTM A194-7M
9	Steel Ball	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
10	Antistatic Spring	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750
11	Antistatic Spring	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750
12	Dish Spring	Alloy Steel	Alloy Steel	Alloy Steel	Alloy Steel
13	Thrust Washer	PTFE	PTFE	PTFE	PTFE
14	* Gasket	Graphite	Graphite	Graphite	Graphite
15	* Packing	Graphite	Graphite	Graphite	Graphite
16	* O-ring	Viton	Viton	Viton	Viton
17	* O-ring	Viton	Viton	Viton	Viton
18	Lever Head	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
19	Lever Pipe	Carbon Steel Zinc Plated	Carbon Steel Zinc Plated	Carbon Steel Zinc Plated	Carbon Steel Zinc Plated
20	Lock Plate	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
21	Nut	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
22	Screw	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
23	Pipe	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
24	Screw	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
25	Screw	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
26	Washer	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
27	Key	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
28	** Screw	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

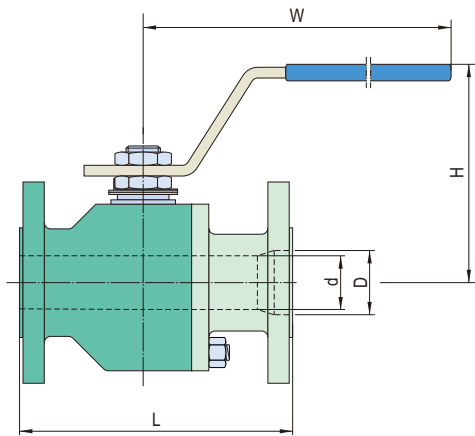
* Recommended Spare Parts

** Locking Washers for 1/2~1-1/2 Screw for 2 & Larger

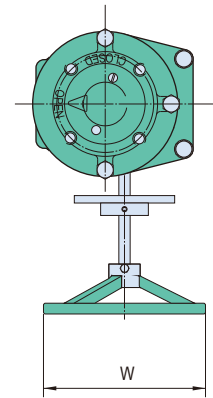
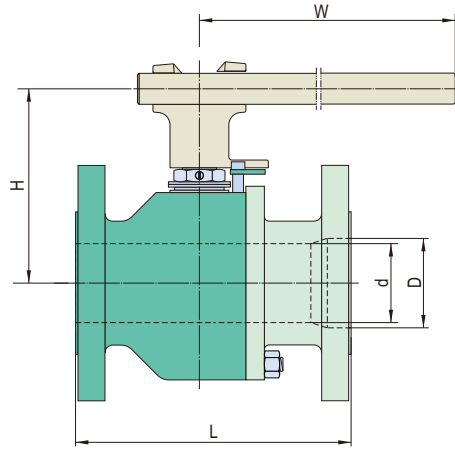
Series FF

2PC/3PC Body Forged Floating Ball Valve

DIMENSIONS AND WEIGHT



Lever Operation



Gear Operation

Full Bore Class 150

Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	108	85	*160	2.8
3/4	19	117	93	*160	3.7
1	25	127	112	*180	5.3
1-1/2	38	165	125	*240	8.3
2	51	178	126	350	11.2
2-1/2	64	191	139	400	18.4
3	76	203	164	400	23.0
4	102	229	185	450	39.3
6	152	394	270	**300	90
8	203	457	360	**400	140
10	254	533	410	**400	230

Reduce Bore Class 150

Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	117	85	*160	3.5
1*3/4	19	25	127	93	*160	5.0
1-1/2*1	25	38	165	112	*180	7.5
2*1-1/2	38	51	178	125	*240	10
2-1/2*2	51	64	191	126	350	16
3*2	51	76	203	126	350	21
4*3	76	102	229	164	400	35
6*4	102	152	394	185	450	73
8*6	152	203	457	270	**300	120
10*8	203	254	533	360	**400	200

Full Bore Class 300

Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	140	85	*160	3.0
3/4	19	152	93	*160	4.0
1	25	165	112	*180	6.6
1-1/2	38	190	125	*240	12.9
2	51	216	126	400	18.9
2-1/2	64	241	139	400	28
3	76	283	166	450	39
4	102	305	185	500	60
6	152	403	275	**300	130
8	203	502	360	**400	195
10	254	568	410	**400	290

Reduce Bore Class 300

Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	152	85	160	*160
1*3/4	19	25	165	93	160	*160
1-1/2*1	25	38	190	112	180	*180
2*1-1/2	38	51	216	125	240	*240
2-1/2*2	51	62	241	126	400	400
3*2	51	76	283	126	400	400
4*3	76	102	305	166	450	450
6*4	102	152	403	185	500	500
8*6	152	203	419	275	*300	**300
10*8	203	254	457	360	*400	**400

* Lever Operation
** Gear Operation

Series FF

2PC/3PC Body Forged Floating Ball Valve

DIMENSIONS AND WEIGHT

Full Bore			Class 600		
Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	165	85	*160	3.5
3/4	19	191	93	*180	5.0
1	25	216	112	*240	7.5
1-1/2	38	241	125	350	15
2	51	292	130	400	23
3	76	356	170	500	48
4	102	432	216	700	80

Reduce Bore						Class 600
Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	191	85	*160	4.0
1*3/4	19	25	216	93	*180	5.5
1-1/2*1	25	38	241	112	*240	10.5
2*1-1/2	38	51	292	125	350	20
3*2	51	76	356	130	400	29
4*3	76	102	432	170	500	59
6*4	102	152	559	216	700	95

Full Bore			Class 900		
Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	216	85	*160	5.0
3/4	19	229	93	*180	8.0
1	25	254	115	*240	10.0
1-1/2	38	305	128	400	20
2	51	368	148	450	25
3	76	381	196	600	50

Reduce Bore						Class 900
Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	229	85	*160	7.0
1*3/4	19	25	254	93	*180	9.5
1-1/2*1	25	38	305	115	*240	16.5
2*1-1/2	38	51	368	128	400	23
3*2	51	76	381	148	450	42
4*3	76	102	457	196	600	65

Full Bore			Class 1500		
Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	216	85	*160	5.0
3/4	19	229	112	*180	8.0
1	25	254	115	*240	10.0
1-1/2	38	305	123	400	20
2	51	368	132	450	30

Reduce Bore						Class 1500
Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	229	85	*160	7.0
1*3/4	19	25	254	112	*180	9.5
1-1/2*1	25	38	305	115	*240	16.5
2*1-1/2	38	51	368	123	400	23
3*2	51	76	473	132	450	50

Full Bore			Class 2500		
Size in	d mm	L mm	H mm	W mm	Weight Kg
1/2	13	264	93	*180	7.5
3/4	19	273	96	*240	12.0
1	25	308	117	*350	15.0
1-1/2	38	384	132	450	30
2	44	451	138	550	37.5

Reduce Bore					Class 2500	
Size in	d mm	D mm	L mm	H mm	W mm	Weight Kg
3/4*1/2	13	19	273	93	*180	11.0
1*3/4	19	25	308	96	*240	14.0
1-1/2*1	25	38	384	117	*350	25.0
2*1-1/2	38	44	451	132	450	35
3*2	44	64	578	138	550	60
* Gear operated						

* Gear operated