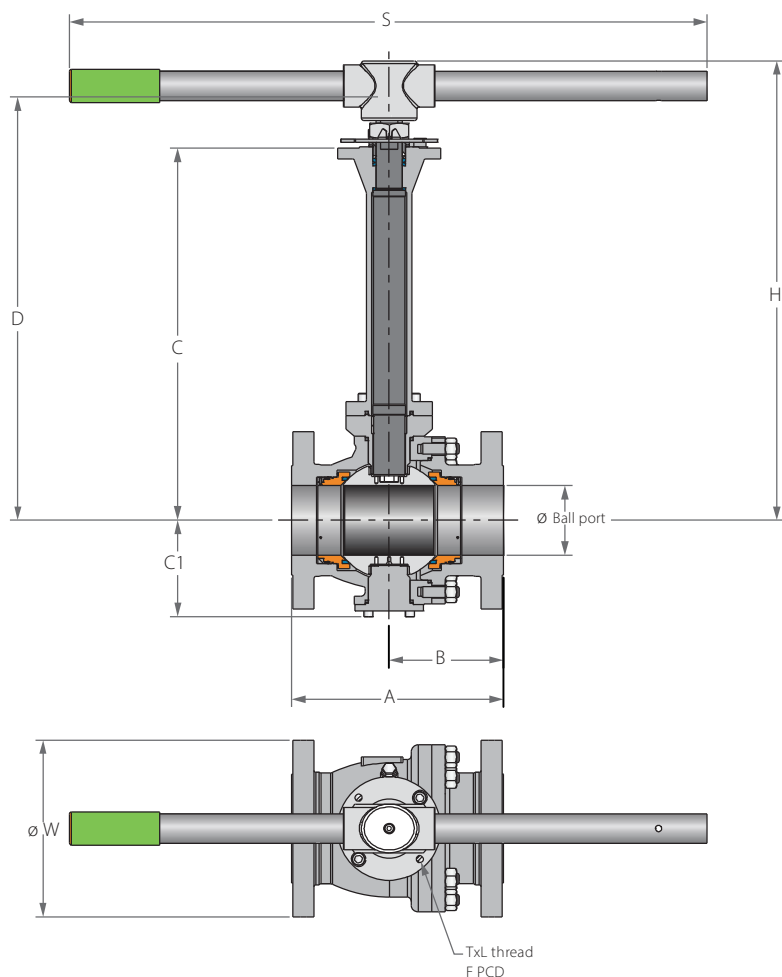
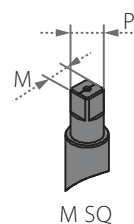


Cryogenic Trunnion Mounted Ball 2 Piece

Valve dimensions



Preparation for actuation

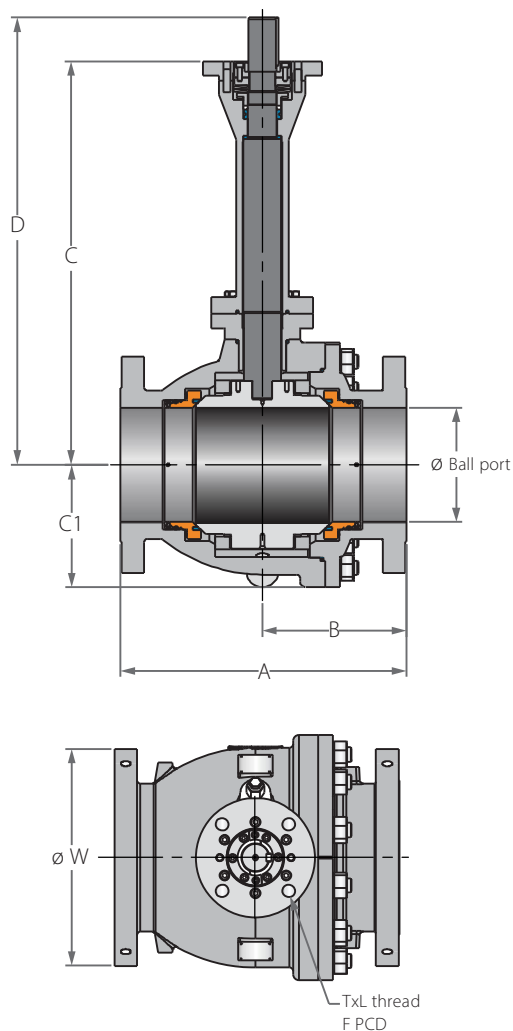


Full port	Unit	Ball port	A		B		C	C1	D	W		M SQ	P SQ	H	S	F	TxL	Weight kg/lb		Kv / Cv		
			150	300	150	300				150	300							150	300			
DN50	mm	49	178	216	89	113.5	500	94	546.5	150	165	18.9	22.70	525.8	401	(F10)	102	M10X15	24	27	400	363
2"	inch	1.93	7.01	8.5	3.5	4.47	19.69	3.7	21.52	5.91	6.50	0.74	0.89	20.70	15.79		4.02	(4 holes)	53	60	463	420
DN80	mm	74	203	283	101.5	154	550	117	619.1	190	210	28.45	35.20	638.6	610	(F12)	125	M12X15	42	53	1125	952
3"	inch	2.91	7.99	11.14	4	6.06	21.65	4.61	24.37	7.48	8.27	1.12	1.39	25.14	24.02		4.92	(4 holes)	93	117	1300	1100
DN100	mm	100	229	305	114.5	164.5	600	139	669.1	230	255	28.45	35.20	662.6	916	(F12)	125	M12X15	64	76	2154	1860
4"	inch	3.94	9.02	12	4.51	6.48	23.62	5.47	26.34	9.06	10.04	1.12	1.39	26.09	36.06		4.92	(4 holes)	141	168	2490	2150
DN150	mm	150	394	403	209.1	207.6	607	191	719.6	280	320	35.9	43.50	777.1	916	(F14)	140	M16X20	165	176	4723	4628
6"	inch	5.91	15.51	15.87	8.23	8.17	23.9	7.52	28.33	11.02	12.6	1.41	1.71	30.59	36.06		5.51	(4 holes)	364	388	5460	5350

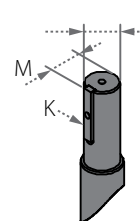


Cryogenic Trunnion Mounted Ball 2 Piece

Valve dimensions



Preparation for actuation



Full port	Unit	Ball port	A		B		C	C1	D	W		P	M	K	F		TxL	Weight kg/ib		Kv / Cv	
			150	300	150	300				150	300							150	300		
																				150	300
DN200	mm	201.00	457.00	502.00	228.50	253.00	708.00	215.00	785.00	345.00	380.00	50.00	54.00	14.00	(F16)	165.00	22x25	254	292	9273	8737
8"	inch	7.91	17.99	19.76	9.00	9.96	27.87	8.46	30.91	13.58	14.96	1.97	2.13	0.55		6.50	(4 holes)	560	644	10720	10100
DN250	mm	252.00	533.00	568.00	270.00	287.50	713.30	260.00	790.40	405.00	445.00	50.00	54.00	14.00	(F25)	254.00	18x25	404	474	15224	14792
10"	inch	9.92	20.98	22.36	10.63	11.32	28.08	10.24	31.12	15.94	17.52	1.97	2.13	0.55		10.00	(8 holes)	891	1045	17600	17100
DN300	mm	303.00	610.00	648.00	298.00	313.00	800.00	300.00	880.50	485.00	520.00	60.00	63.50	18.00	(F25)	254.00	18x25	594	671	23096	22404
12"	inch	11.93	24.02	25.51	11.73	12.32	31.50	11.81	34.67	19.09	20.47	2.36	2.50	0.71		10.00	(8 holes)	1310	1479	26700	25900

C81

C82

C83

2"-6"

Cryogenic Trunnion Mounted Ball 2 Piece

Components & materials

Item	Description	Material Spec. ASTM	Qty.
1	Body	Acc. Ordering Code	1
2	End	Acc. Ordering Code	1
3	Ball	Acc. Ordering Code	1
4	Stem	Acc. Ordering Code	1
5*	Seat	Acc. Ordering Code	2
5A*	Seat insert	Acc. Ordering Code	2
5B*	Seat seal	PTFE+Elgiloy, Graphite	2
6*	Body seal	Graphite	1
7*	Stem thrust seal	PCTFE	1
7A*	Anti-abrasion ring	PCTFE	1
8	Seat spring	Inconel 750	20-32
9*	Stem seal	HermetiX TFM	1
10	Follower	S. Steel	1
10A*	Slide bearing	S. Steel	1
12	Stem nut	S. Steel	1
13	Tab lock washer	S. Steel	1
16	Ball Bearing	PMT 316	2
17	Ball Thrust Washer	PMT 316	1
18	Body Stud	ASTM A320-B8M	4-20
19	Body Nut	A194 8M	4-20
20	Anti-static spring	S. Steel	1
21	Gland Plate	A479 316/ 316L	1
22*	Gland Plate Seal	Graphite	1
22A*	Outer trunnion seal	Graphite	1
23	Gland Plate Bolts	ASTM A320-B8M	4-8
24*	Bonnet seal	Graphite	1
25	Stem bearing	PMT 316	1
26	Bonnet	S. Steel	1
27	Bonnet Pins	S. Steel	2
27A	Gland Pins	S. Steel	2
28	Bonnet Bolts	ASTM A320-B8M	4-8
36	Plug drain/ vent valve	S. Steel	2
37	Tag (not shown)	S.Steel	1
38	Outer trunnion	A479 316	1
39	Outer trunnion bolts	ASTM A320-B8M	4-8
40	Pipe handle	S. Steel	1
40A	Stop plate	S. Steel	1
40B	Wrench head	S. Steel	1
41	Wrench head bolt	S. Steel	1
42	Stop bolt	S. Steel	2
42A	Spring washer	S. Steel	2
43	Sleeve	PCV	1

* Repair kit components

