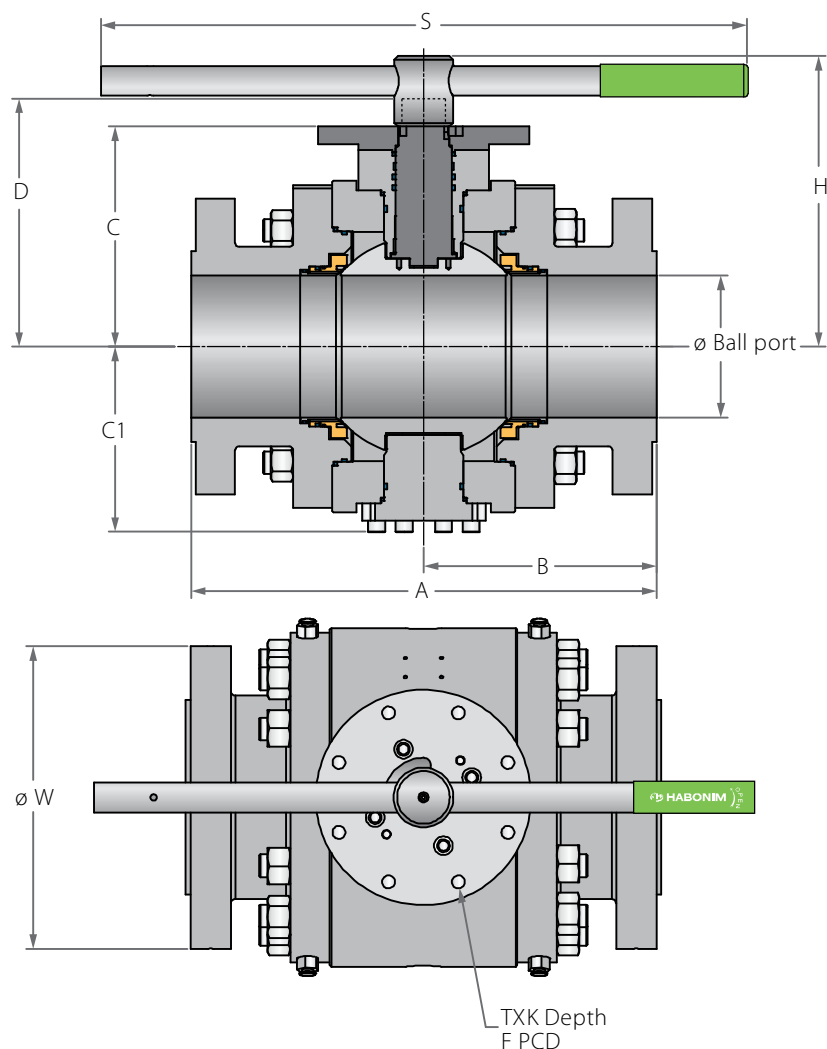
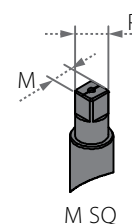


Trunnion Mounted Ball 3 Piece

Valve dimensions



Preparation for actuation

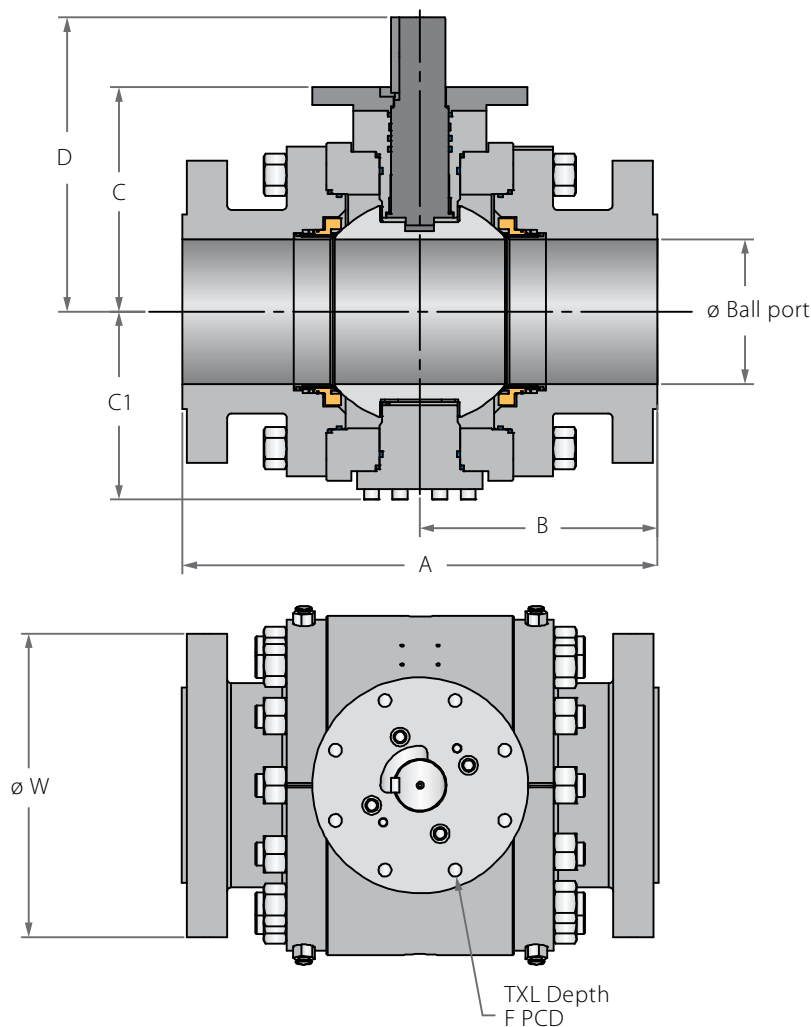


Std. port	Unit	Ball port	A		B		C	C1	D	W		Msq	Psq	H	S	F	TxL	Weight kg/lb		Kv / Cv	
			150	300	150	300				150	300							150	300	150	300
DN50	mm	49.00	178.00	216.00	89.00	108.00	127.00	91.50	144.50	150.00	165.00	17.00	22.00	196.00	401.00	(F10) 102.00	11 X15 (4 holes)	27	31	400	363
2"	inch	1.93	7.01	8.50	3.50	4.25	5.00	3.60	5.69	5.91	6.50	0.67	0.87	7.72	15.79	4.02		60	68	463	420
DN80	mm	74.00	203.00	283.00	101.50	128.00	148.00	117.00	172.00	190.00	210.00	22.00	32.00	223.00	610.00	(F12) 125.00	13x15 (4 holes)	44	61	1125	952
3"	inch	2.91	7.99	11.14	4.00	5.04	5.83	4.61	6.77	7.48	8.27	0.87	1.26	8.78	24.02	4.92		97	134	1300	1100
DN100	mm	100.00	229.00	305.00	114.50	140.50	171.00	139.00	198.50	230.00	255.00	27.00	35.00	247.50	610.00	(F14) 140.00	18x15 (4 holes)	66	100	2154	1860
4"	inch	3.94	9.02	12.00	4.51	5.53	6.73	5.47	7.81	9.06	10.04	1.06	1.38	9.74	24.02	5.51		146	220	2490	2150
DN150	mm	150.00	394.00	457.00	185.00	230.40	254.00	191.00	290.50	280.00	320.00	36.00	46.20	356.50	916.00	(F16) 165.00	22x25 (4 holes)	180	216	4723	4628
6"	inch	5.91	15.51	17.99	7.28	9.07	10.00	7.52	11.44	11.02	12.60	1.42	1.82	14.04	36.06	6.50		397	476	5460	5350

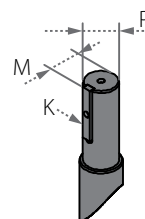


Trunnion Mounted Ball 3 Piece

Valve dimensions



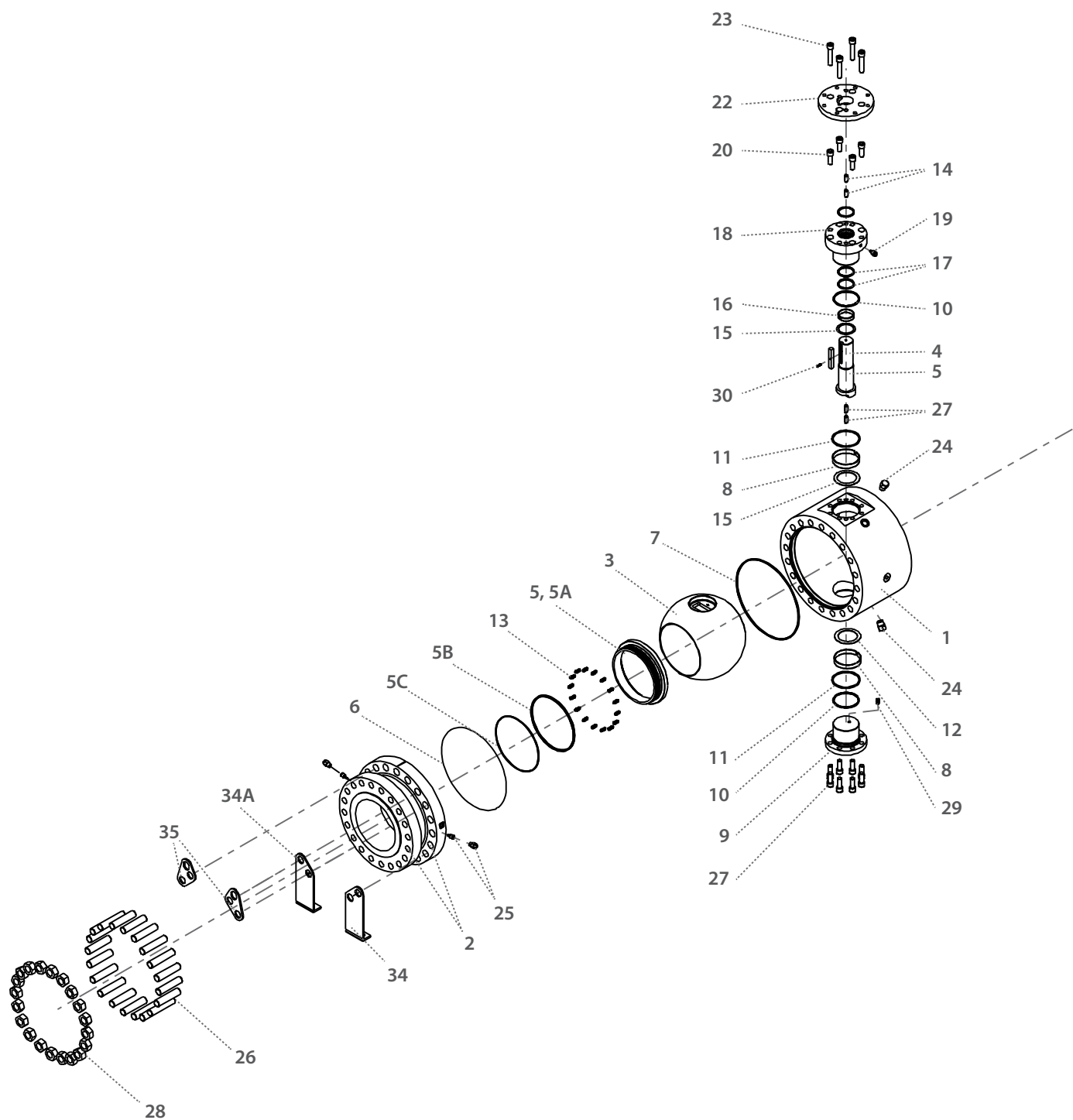
Preparation
for actuation



Std. 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	150	300	150	300	150	300	150	300			150	300	150	300	150	300
DN200	mm	201.00	457.00	502.00	228.50	251.00	325.00	305.00	247.00	232.00	405.50	379.50	345.00	380.00	50.00	50.00	54.00	61.00	14.00	14.00	(F16)	165.00	22x25	346	378	9273	8737	
8"	inch	7.91	17.99	19.76	9.00	9.88	12.80	12.01	9.72	9.13	15.96	14.94	13.58	14.96	1.97	1.97	2.13	2.40	0.55	0.55		6.50	(4 holes)	763	833	10720	10100	
DN250	mm	252.00	533.00	568.00	270.00	287.50	353.00	359.00	297.00	299.00	430.00	454.00	405.00	445.00	50.00	60.00	54.00	65.50	14.00	18.00	(F25)	254.00	18x25	473	594	15224	14792	
10"	inch	9.92	20.98	22.36	10.63	11.32	13.90	14.13	11.69	11.77	16.93	17.87	15.94	17.52	1.97	2.36	2.13	2.58	0.55	0.71		10.00	(8 holes)	1043	1310	17600	17100	
DN300	mm	303.00	610.00	648.00	298.00	313.00	388.00	368.00	324.00	305.00	468.50	464.00	485.00	520.00	60.00	60.00	63.50	65.50	18.00	18.00	(F25)	254.00	18x25	723	833	23096	22404	
12"	inch	11.93	24.02	25.51	11.73	12.32	15.28	14.49	12.76	12.01	18.44	18.27	19.09	20.47	2.36	2.36	2.50	2.58	0.71	0.71		10.00	(8 holes)	1594	1836	26700	25900	
DN350	mm	334.00	686.00	762.00	343.00	381.00	425.00	400.00	372.00	330.00	555.00	520.00	535.00	585.00	72.00	72.00	78.00	78.00	20.00	20.00	(F30)	298.00	22x30	1072	1237	27940	26729	
14"	inch	13.15	27.01	30.00	13.50	15.00	16.73	15.75	14.65	12.99	21.85	20.47	21.06	23.03	2.83	2.83	3.07	3.07	0.79	0.79		11.73	(8 holes)	2363	2727	32300	30900	
DN400	mm	385.00	762.00	838.00	381.00	419.00	460.50	435.00	415.50	363.00	590.50	555.00	595.00	650.00	72.00	72.00	78.00	78.00	20.00	20.00	(F30)	298.00	22x30	1703	1949	38536	36763	
16"	inch	15.16	30.00	32.99	15.00	16.50	18.13	17.13	16.36	14.29	23.25	21.85	23.43	25.59	2.83	2.83	3.07	3.07	0.79	0.79		11.73	(8 holes)	3754	4297	44550	42500	

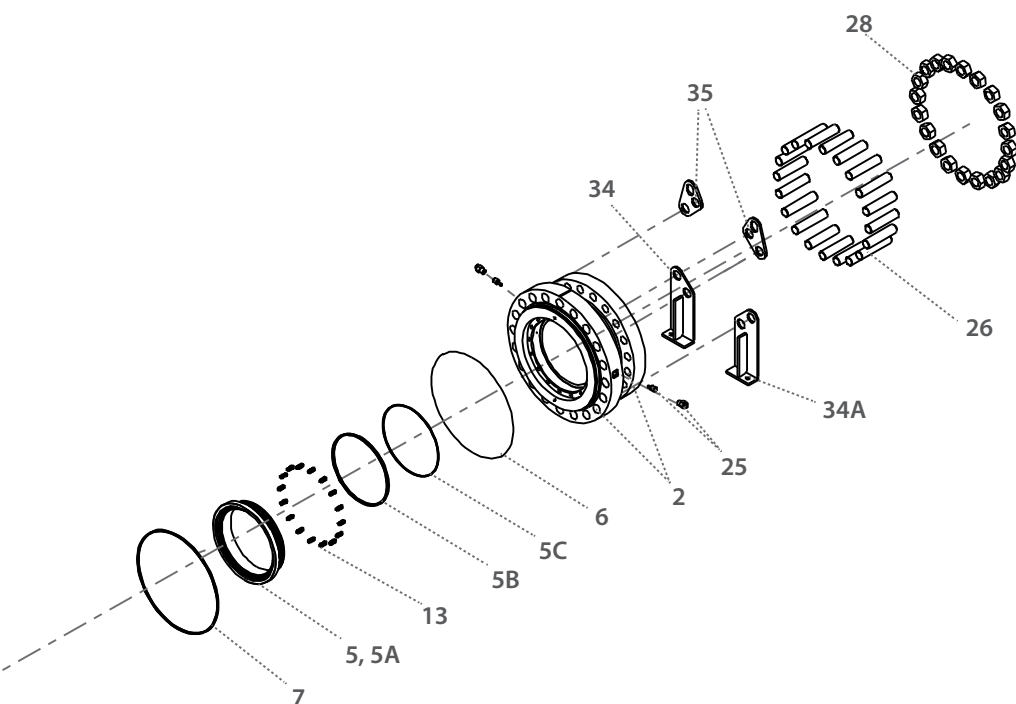
Trunnion Mounted Ball 3 Piece

Components & materials





Trunnion Mounted Ball 3 Piece



Item	Description	Material specification	Qty.
1	Body	Acc. Ordering Code	1
2	End	Acc. Ordering Code	2
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	HNBR, VITON	2-4
5C	Seat fire safe seal	Graphite	2
6*	Body fire safe seal	Graphite	1
7*	Body seal	HNBR, VITON	1
8	Ball bearing	316L+PTFE	2
9	External trunnion	A350 LF2+ENP, A479 316L	1
10*	Gland plate & external trunnion fire safe seal	Graphite	2
11*	Gland plate & external trunnion seal	HNBR, VITON	2
12	Lower thrust washer	316L+PTFE	1
13	Seat spring	Inconel X750	10-26

Item	Description	Material specification	Qty.
14	Gland pin	C. Steel, S. Steel	4
15	Stem thrust seal	316L+PTFE	1
16	Gland plate bearing	316L+PTFE	1
17	Stem Seal	HNBR, VITON	2
18	Gland plate	A350 LF2+ENP, A479 316L, A105 +ENP	1
19	Stem grease fitting	S. St	1
20	Lower gland bolts	A320 L7, A193 B8M	2-6
21*	Stem gasket	Graphite	1
22	Iso plate	A350 LF2, A479 316L, A105	1
23	Upper gland bolts	A320 L7, A193 B8M	2-6
24	Plug drain valve	S. Steel	2
25**	Seat grease fitting + Check valve	S. Steel	4
26	Body stud	A320 L7, A193 B8M	4-20
27	External trunnion bolts	A320 L7, A193 B8M	4-12
28	Body nut	A194 GR-7, A193 GR-8M	4-20
29	Antistatic spring	Inconel X750	1
30	stem key	ST.37, H1150D 17-4PH, A182 F6A	1

* Repair kit components

** Available from 6" size only