

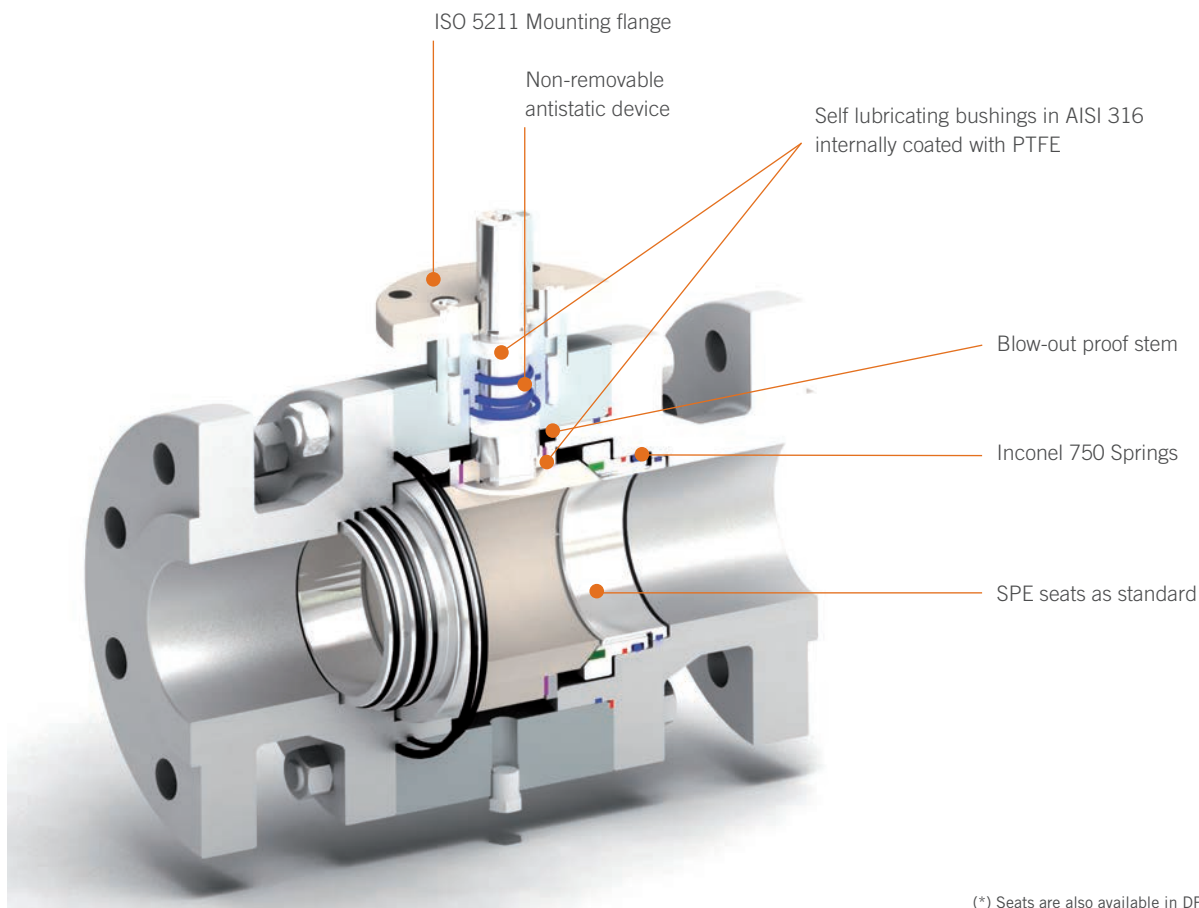
| BALL VALVES |

3-PIECE FORGED TRUNNION MOUNTED

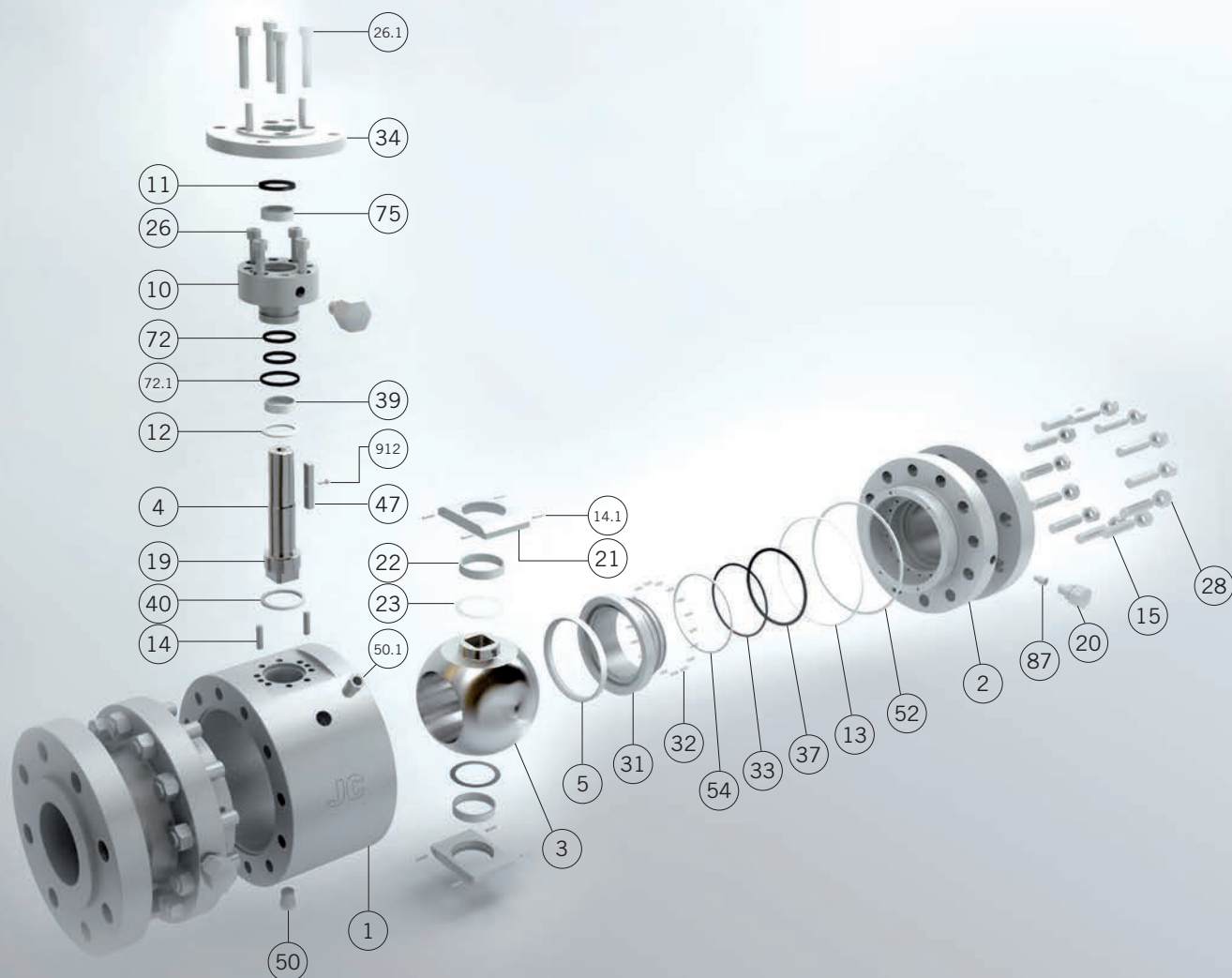
2" - 42" | Class 150 - Class 2500

A trunnion ball valve has additional mechanical anchoring of the ball at the top and the bottom, suitable for larger and higher pressure valves.

The JC trunnion mounted ball valves are suitable to stand the harsh service conditions often presented in the hydrocarbon industry and in the gas storage and transportation field. In general, they are recommended for tight shut-off in high pressure and double block and bleed applications.



(*) Seats are also available in DPE (Double Piston Effect) and PMSS (Primary Metal, Secondary Soft).



Materials

SERIES 6000 & 7000

Item	Description	AIT	LIT	IIT
1	Body	A 105N	A 350 Gr. LF2 Class. 1	A182 F316
2	Body Connector	A 105N	A 350 Gr. LF2 Class. 1	A182 F316
3	Ball		A 182 F316 or A351 Gr. CF8M / A105+ENP	
4	Stem		A 479 Tp.316	
5	Seat Ring		RPTFE, PEEK, DEVLON	
10	Gland	A 105N	A 350 Gr. LF2 Class-1	A 479 Tp.316
11	Gland Packing		Graphite	
12	Stem Thrust Seal		25% G.F. + PTFE	
13	Body Connector Seal		Graphite	
14 / 14.1	Pin	Carbon St.	Carbon Steel	Stainless Steel
15	Stud	A 193 Gr. B7M Zinc dichromate	A 320 Gr. L7M	A 193 Gr. B8M
19	Antistatic Device		Stainless St.	
20	Sealant Injector	Carbon Steel	Carbon Steel	Stainless Steel
21	Ball Trunnion		A 479 Tp.316	
22	Trunnion Bearing		AISI 316 with inside in PTFE	
23	Bearing		PTFE	
26 / 26.1	Bolt	A 193 Gr. B7M Zinc dichromate	A 320 Gr. L7M	A 193 Gr. B8M
28	Nut	A 194 Gr. 2HM Zinc dichromate	A 194 Gr. 7M	A 194 Gr. 8M
31	Seat Carrier		A 479 Tp.316 / A182 F316	
32	Spring		Inconel - 750	
33	"O" Ring		FKM	
34	Mounting Flange	A 105N	A 350 Gr. LF2 Class-1	A 479 Tp.316
37	"O" Ring		FKM	
39	Stem Bushing		AISI 316 with inside in PTFE	
40	Gasket		Graphite	
47	Key	Carbon Steel	Carbon Steel	Stainless St.
50	Drain Plug	A 105	A 350 Gr. LF2 Class-1	AISI 316
50.1	Relief Plug	A 105	A 350 Gr. LF2 Class-1	AISI 316
52	"O" Ring		FKM	
54	Seat Carrier Seal		Graphite	
72 / 72.1	"O" Ring		FKM	
75	Stem Bushing		AISI 316 with inside in PTFE	
87	Check Valve		Stainless St.	
912	Bolt		DIN 912 A2	

FORGED BALL VALVES 7015 / 7030 / 7060
Reduced Bore

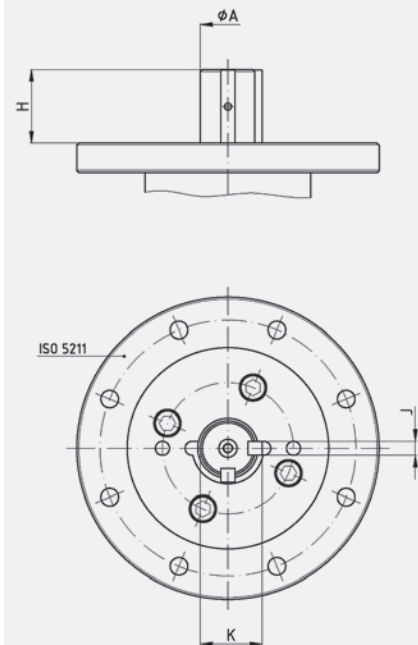
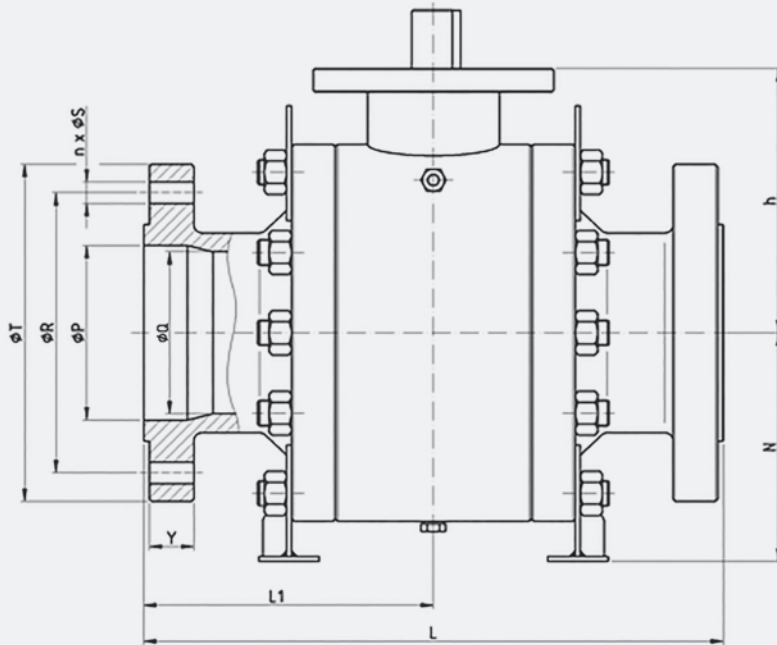
 Class 150.
 From 3" to 42"

 Class 300.
 From 3" to 42"

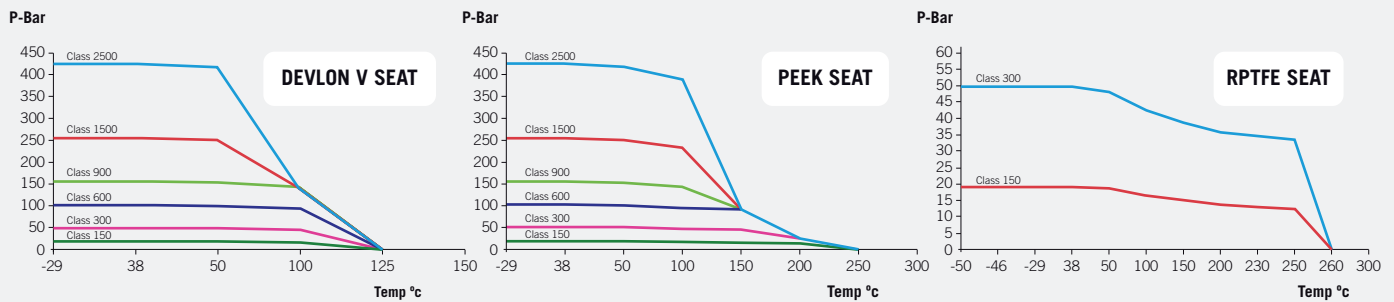
 Class 600.
 From 3" to 30"

 Class 900.
 From 3" to 30"

 Class 1500.
 From 3" to 14"

 Class 2500.
 From 3" to 10"


(*) Dimensions of diameters of drills ISO 5211 refer to table from page 60.

Pressure - Temperature

Fig. 7015 (Class 150)

DN	ϕP	ϕQ	L	L1	ϕR	$n \times \phi S$	ϕT	Y	h	N	ISO 5211	H	ϕA	J	K	WEIGHT	TORQUE	Kv
3" x 2"	76	49	203	101,5	152,4	4x19,1	190	17,5	131,5	100	F10	30	19,9	8	22,5	66	62	190
4" x 3"	100	76	229	108,3	190,5	8x19,1	230	22,3	163	134	F12	31	26	10	30	75	130	567
6" x 4"	152	100	394	197	241,3	8x22,2	280	23,9	181,5	167	F12	47,5	29,9	10	34	115	219	815
8" x 6"	203	152	457	228,5	298,5	8x22,2	345	27	278	277	F16	61,5	39,9	14	48,9	205	351	2.021
10" x 8"	254	203	533	266,5	362	12x25,4	405	28,6	334,5	325	F25	67,5	49,9	14	58,4	375	648	4.205
12" x 10"	305	254	610	305	431,8	12x25,4	485	30,2	371	319	F25	75	59,9	2 x 16	67	565	805	7.348
14" x 12"	337	305	686	343	476,3	12x28,6	535	33,4	432,5	399	F25	94,5	69,9	2 x 18	78	825	997	10.120
16" x 14"	387	337	762	381	539,8	16x28,6	595	35	464,5	439	F30	109,5	79,9	2 x 22	87,9	1.250	2.258	12.000
18" x 16"	436	387	864	432	577,9	16x31,8	635	38,1	499,5	462	F30	121,5	84,9	2 x 22	94,9	1.820	3.120	17.269
20" x 18"	488	436	914	457	635	20x31,8	700	41,3	551,5	584	F30	138	99,9	2 x 28	111,9	2.450	4.107	18.647
24" x 20"	589	488	1.067	533,5	749,3	20x34,9	815	46,1	586,5	543	F30	138	99,9	2 x 28	111,9	2.790	5.133	27.010
30" x 24"	735	589	1.295	647,5	857	28x34,9	985	73	684	674	F35	153,5	120	32	134	5.530	10.536	32.150

 Dimensions in mm, weight in kg and Torque in Nm.
 Weights and dimensions can be changed without notice.

 Torque value given:
 7015/7030 till 12" seats in RPTFE, from 14" seats in Devlon.
 7060/7090/7050/7042 seats in Devlon.

Fig. 7030 (Class 300)

DN	øP	øS	L	L1	øR	n x øS	øT	Y	h	N	ISO 5211	H	øA	J	K	WEIGHT	TORQUE	Kv
3" x 2"	76	49	283	141,5	168,3	8x22,2	210	27	131,5	100	F10	30	19,9	8	22,5	65	71	190
4" x 3"	100	76	305	152,5	200	8x22,2	255	30,2	163	134	F12	31	26	10	30	85	154	567
6" x 4"	152	100	403	201,5	269,9	12x22,2	320	35	181,5	167	F12	47,5	29,9	10	34	135	265	815
8" x 6"	203	152	502	251	330,2	12x25,4	380	39,7	278	277	F16	61,5	39,9	14	48,9	225	504	2.021
10" x 8"	254	203	568	284	387,4	16x28,6	445	46,1	334,5	293	F25	67,5	49,9	14	58,4	385	1.100	4.205
12" x 10"	305	254	648	324	450,8	16x31,8	520	49,3	371	335	F25	75	59,9	2 x 16	67	650	1.334	7.348
14" x 12"	337	305	762	381	514,4	20x31,8	585	52,4	432,5	386	F25	94,5	69,9	2 x 18	78	995	1.741	10.120
16" x 14"	387	337	838	419	571,5	20x34,9	650	55,6	464,5	430	F30	109,5	79,9	2 x 22	87,9	1.460	3.383	12.000
18" x 16"	436	387	914	457	628,6	24x34,9	710	58,8	499,5	472	F30	121,5	84,9	2 x 22	94,9	1.925	4.531	17.269
20" x 18"	488	436	991	495,5	685,8	24x34,9	775	62	551,5	596	F30	138	99,9	2 x 28	111,9	2.450	6.598	18.647
24" x 20"	589	488	1.143	571,5	812,8	24x41,3	915	68,3	586,5	610	F30	138	99,9	2 x 28	111,9	3.250	8.761	27.010
30" x 24"	735	589	1.397	698,5	857	28x48	1.092	90	684	674	F35	153,5	120	32	134	5.900	15.516	32.150

Fig. 7060 (Class 600)

DN	øP	øS	L	L1	øR	n x øS	øT	Y	h	N	ISO 5211	H	øA	J	K	WEIGHT	TORQUE	Kv
3" x 2"	76	49	356	178	168,3	8x22,2	210	31,8	131,5	100	F10	30	19,9	8	22,5	72	151	190
4" x 3"	100	76	432	216	215,9	8x25,4	275	38,1	163	139	F12	31	26	10	30	93	318	567
6" x 4"	152	100	559	279,5	292,1	12x28,6	355	47,7	181,5	164	F12	47,5	29,9	10	34	169	469	815
8" x 6"	203	152	660	330	349,2	12x31,8	420	55,6	278	278	F16	61,5	44,9	14	51,4	301	1.044	2.021
10" x 8"	254	203	787	393,5	431,8	16x34,9	510	63,5	334,5	296	F25	67,5	54,9	14	61,4	555	2.629	4.205
12" x 10"	305	254	838	419	489	20x34,9	560	66,7	371	365	F25	75	59,9	2 x 16	67	829	3.366	7.348
14" x 12"	337	305	889	444,5	527	20x38,1	605	69,9	432,5	419	F25	94	69,9	2 x 18	78	1.426	4.403	10.120
16" x 14"	387	337	991	495,5	603,2	20x41,3	685	76,2	464,5	450	F30	109,5	79,9	2 x 22	87,9	1.751	5.210	12.000
18" x 16"	436	387	1.092	546	654	20x44,5	745	82,6	499,5	505	F30	121,5	84,9	2 x 22	94,9	2.625	6.513	17.269
20" x 18"	488	436	1.194	597	723,9	24x44,5	815	88,9	551,5	568	F30	138	99,9	2 x 28	111,9	3.111	10.644	18.647
24" x 20"	589	488	1.397	698,5	838,2	24x50,8	940	101,6	586,5	581	F35	138	99,9	2 x 28	111,9	4.250	14.653	27.010
30" x 24"	735	589	1.651	825,5	857	28x54	1.130	108	684	758	F35	153,5	120	32	134	7.125	21.533	32.150