

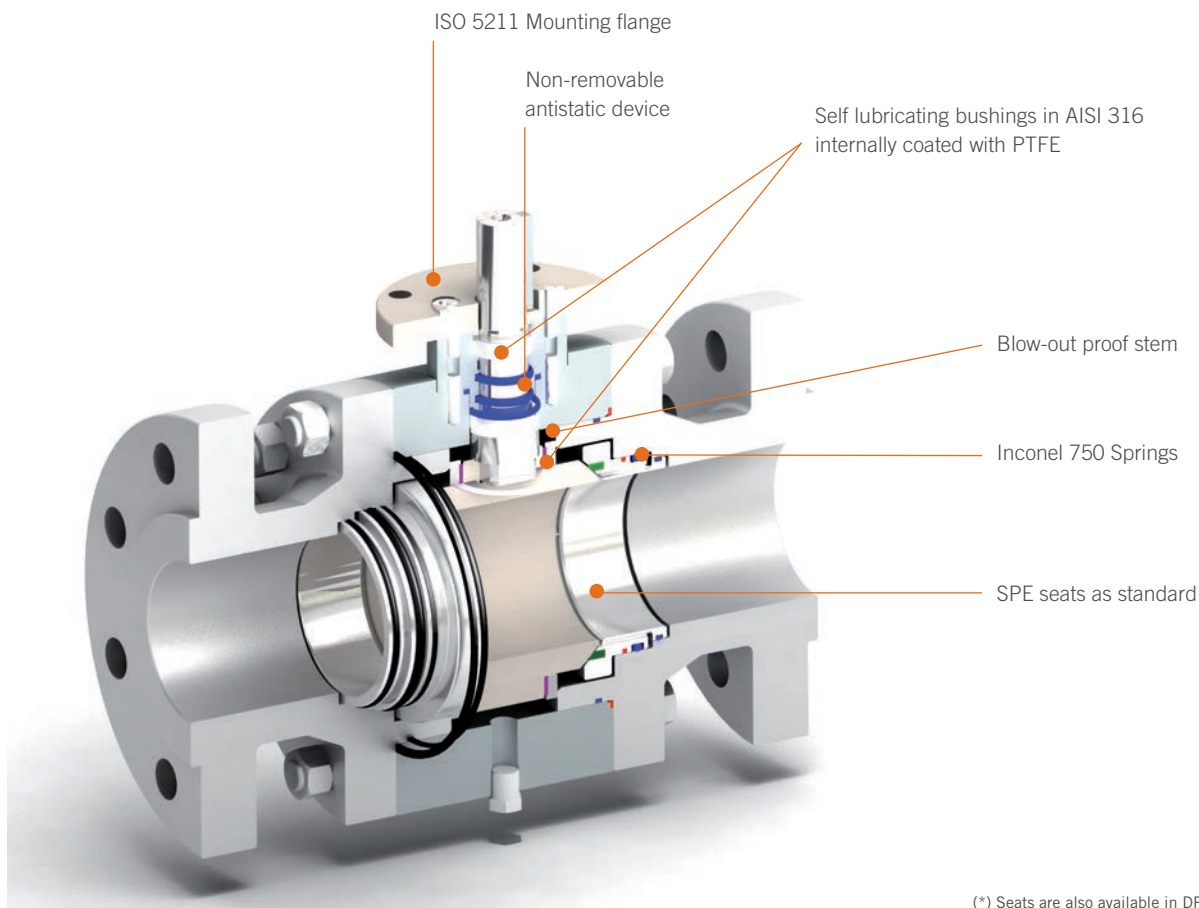
| BALL VALVES |

3-PIECE FORGED TRUNNION MOUNTED

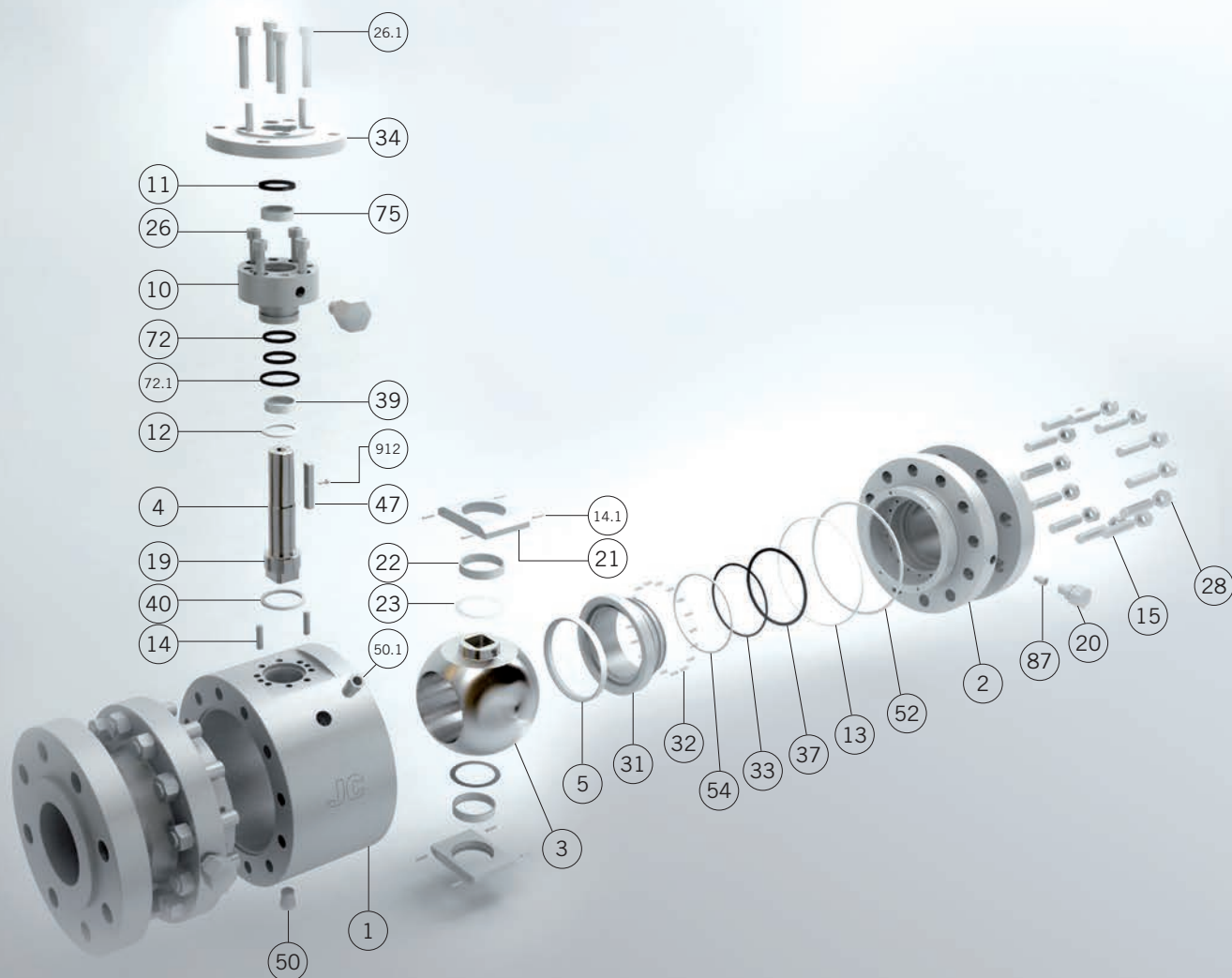
2" - 42" | Class 150 - Class 2500

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 6090 / 6050 / 6042
Full Bore

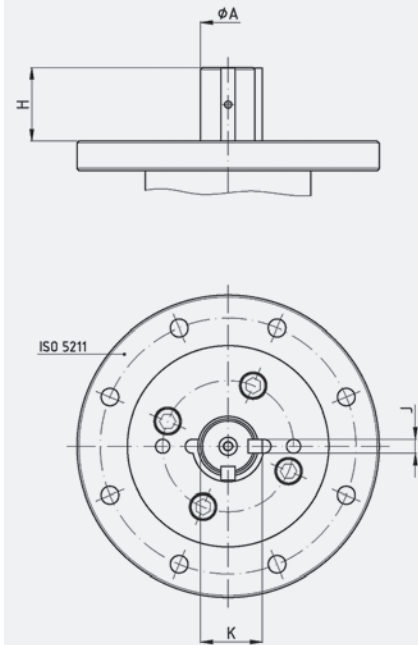
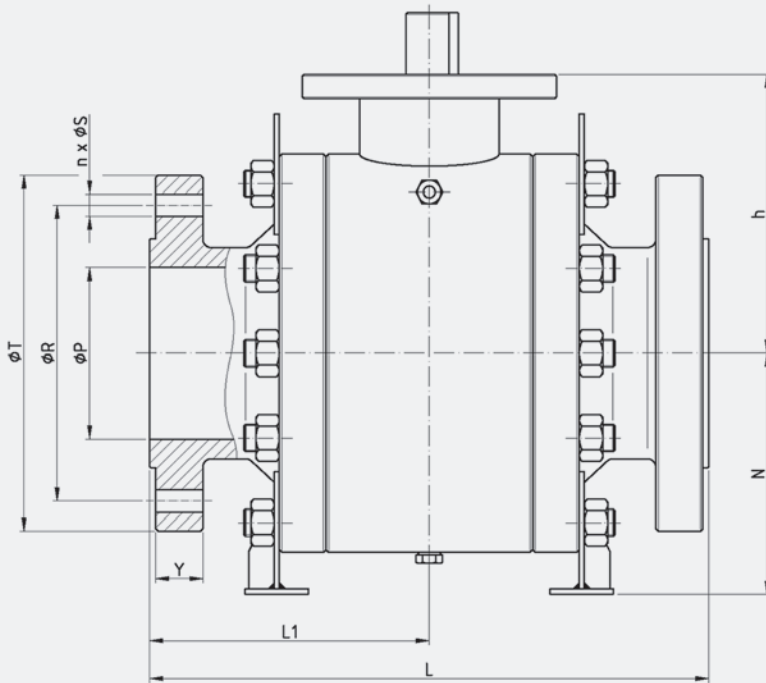
 Class 150.
 From 2" to 42"

 Class 300.
 From 2" to 42"

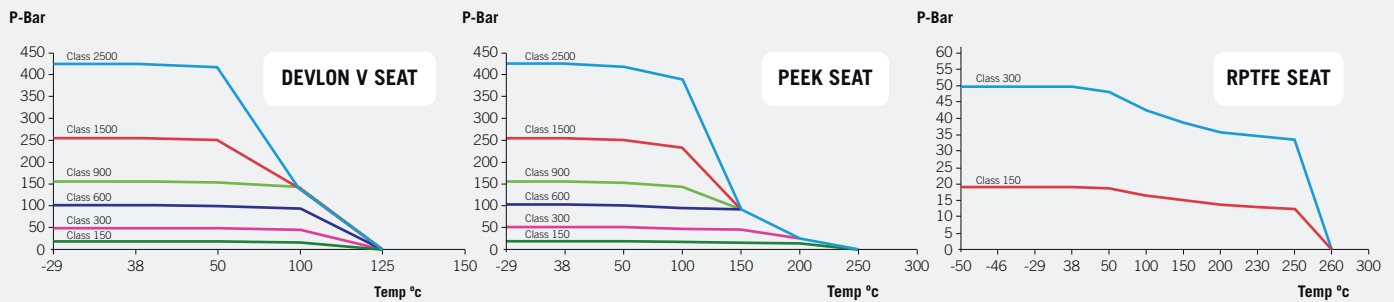
 Class 600.
 From 2" to 24"

 Class 900.
 From 2" to 24"

 Class 1500.
 From 2" to 12"

 Class 2500.
 From 2" to 8"


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

Pressure - Temperature

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

 Torque value given:
 6015/6030 till 12" seats in RPTFE, from 14" seats in Devlon.
 6060/6090/6050/6042 seats in Devlon.

Fig. 6090 (Class 900)

DN	øP	L	L1	øR	n x øS	øT	Y	h	N	ISO 5211	H	øA	J	K	WEIGHT	TORQUE	Kv
2"	49	368	184	165,1	8x25,4	215	38,1	161	124	F14	46	29	8	32,5	52	239	366
3"	74	381	190,5	190,5	8x25,4	240	38,1	204	153	F16	50	39,9	10	44,5	80	421	938
4"	102	457	228,5	235	8x31,8	290	44,5	236,7	211	F25	55,5	39,9	10	44,5	170	659	1.465
6"	152	610	305	317,5	12x31,8	380	55,6	277	287	F25	62,5	44,9	14	51,4	390	1.433	3.297
8"	203	737	368,5	393,7	12x38,1	470	63,5	345	299	F25	86,5	65	2 x 16	74,5	640	3.263	5.861
10"	254	838	419	469,9	16x38,1	545	69,9	402	377	F25	90	75	2 x 20	81	1.070	4.139	9.454
12"	303	965	482,5	533,4	20x38,1	610	79,4	432	420	F25	99	85	22	95	1.610	5.218	13.631
14"	337	1.029	514,5	558,8	20x41,3	640	85,8	460,5	460	F30	124,5	84,9	2 x 22	94,9	1.760	7.033	16.641
16"	375	1.130	565	616	20x44,5	705	88,9	418	580	F30	125	88	24	100	2.240	8.773	23.554
18"	423	1.219	609,5	685,8	20x50,8	785	101,6	582	621	F35	150,7	115	2 x 32	122	3.000	14.682	29.672
20"	471	1.321	660,5	749,3	20x54	855	108	575	635	F40	150	119,9	32	126,9	4.360	20.534	36.633
24"	571	1.549	774,5	901,7	20x66,7	1.040	139,7	596	760	F35	130	148	32	164	7.050	33.685	52.751

Fig. 6050 (Class 1500)

DN	øP	L ⁽²⁾	L1	øR	n x øS	øT	Y	h	N	ISO 5211	H	øA	J	K	WEIGHT	TORQUE	Kv
2"	49	368	184	165,1	8x25,4	215	38,1	161	124	F14	46	29	8	32,5	55	331	336
3"	74	470	235	203,2	8x31,8	265	47,7	214,5	163	F25	54,5	39,9	10	44,5	105	806	938
4"	102	546	273	241,3	8x34,9	310	54	236,7	213	F25	55,5	39,9	10	44,5	205	1.245	1.465
6"	146	705	352,5	317,5	12x38,1	395	82,6	324	321	F25	95	60	18	64	525	3.062	3.297
8"	194	832	416	393,7	12x44,5	485	92,1	410,5	323	F25	118,5	75	18	82,9	890	4.769	5.861
10"	241	991	495,5	482,6	12x50,8	585	108	402	415	F25	132,5	85	22	95	1.560	5.996	9.454
12"	289	1.146	573	571,5	16x54	675	123,9	399	565	F25	140	85	24	100	2.335	7.060	13.631

Fig. 6042 (Class 2500)

DN	øP	L ⁽²⁾	L1	øR	n x øS	øT	Y	h	N	ISO 5211	H	øA	J	K	WEIGHT	TORQUE	Kv
2"	45	451	225,5	171,4	8x28,6	235	50,9	162	132	F16	72	35	10	38	110	431	336
3"	64	578	289	228,6	8x34,9	305	66,7	182	151	F16	72	38	10	43	215	1.248	938
4"	89	673	336,5	273	8x41,3	355	76,2	275	221	F25	94,5	45	12	50	385	1.909	1.465
6"	133	914	457	368,3	8x54	485	108	303,1	332	F25	104,9	60	16	64	840	4.860	3.297
8"	181	1.022	511	438,2	12x54	550	127	356	495	F25	105,5	78	20	88	1.435	7.570	5.861