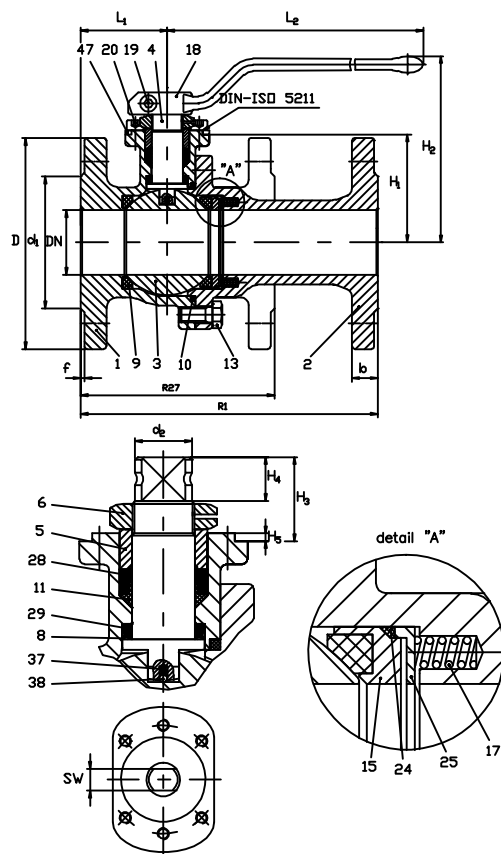
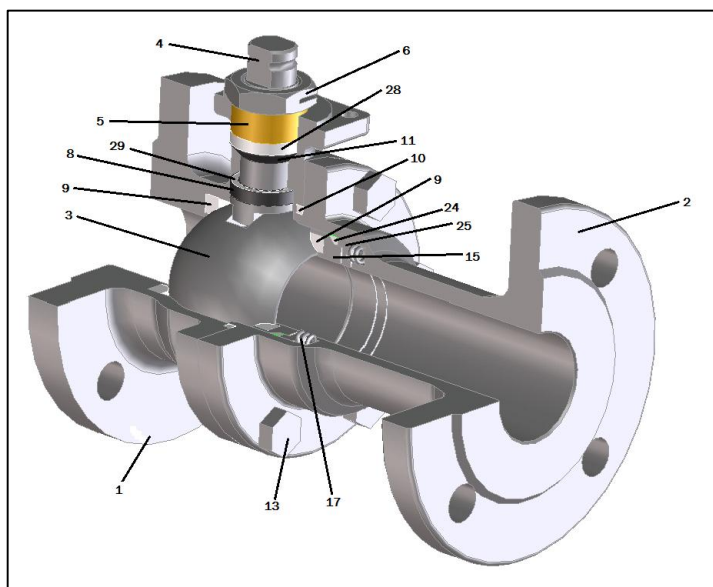




FLUID HANDLING
TECHNOLOGY S.A.

TYPE 113/113GL
DN-15/150 PN-16/40 R1/R27



POS	COMPONENTS	MATERIAL
1	Body	1.4408
2	Body end	1.4408/1.4404
3	Ball	1.4408/1.4404
4	Stem	1.4404
5	Gland follower	PEEK
6	Nut	A2-70
8	Stem seal	RPTFE
9	Seat	RPTFE
10	Body seal	RPTFE
11	Packing	RPTFE
13	Screw	A2-70
15	Pressure ring	1.4404
17	Spring	1.4401
18	Handle	1.0619+ZINC
19	Handle screw	8.8+ZINC
20	Stopper screw	A2-70
24	Seat seal	RPTFE
25	Guide ring	1.4404
28	Inner packing	GRAPHITE
29	Inner stem seal	GRAPHITE
37	Stem spring	1.4404
38	Stem ball	1.4404
47	Stopper	1.4301

DIMENSIONS

DN	PN	R27	R1	D	d1xf	b	L1	H1	H2	L2	d2	SW	H3	H4	H5	ISO
15	16/40	115	130	95	45x2	16	52.5	39.5	95	160	14	11	22.5	11	2	F05
20		120	150	105	58x2	18	56	42	101							
25		125	160	115	68x2		58	49.5	115	180	18	14	26.5	14		
32		130	180	140	78x2		62	55	125							
40		140	200	150	88x3		64.5	76	135	282	22	17	32.5	17	3	F07
50		150	230	165	102x3	20	67	83.5	145							
65	16	170	290	185	122x3	18	78	96	157							
65	40					22										
80	16	180	310	200	138x3	20	81.5	102.5	197	450	26	19	37.5	19		F10
80	40					24										
100	16	190	350	220	158x3	20	87	120.5	212							
100	40				235 162x3	24										
150	16	350	480	285	212x3	22	148	160	263	700	33	24	42.5	24	3	F12
150	40			300	218x3	28										

- Other materials and special alloys upon request.
- Seat ring materials depending on fluid and differential pressure.

Main features

- BIDIRECTIONAL.
- SPLIT BODY.
- FULL BORE.
- FLOATING BALL.
- SOFT SEAT.
- ANTI BLOW OUT STEM.
- ANTI STATIC DEVICE.

Standards

- TOP FLANGE ISO 5211
- FACE TO FACE EN 558-1
- FLANGES EN 1092-1
- FACE TO FACE ANSI B16.10
- FLANGES ANSI B16.5

Official approvals

- ISO 9001:2015
- ISO 15848-1
- API 6D
- PED 2014/68/EU
- AD 2000 Merkblatt W0
- TA-LUFT/VDI 2440
- ATEX 94/9/EC
- IEC EN 61508:2010 (SIL 3)



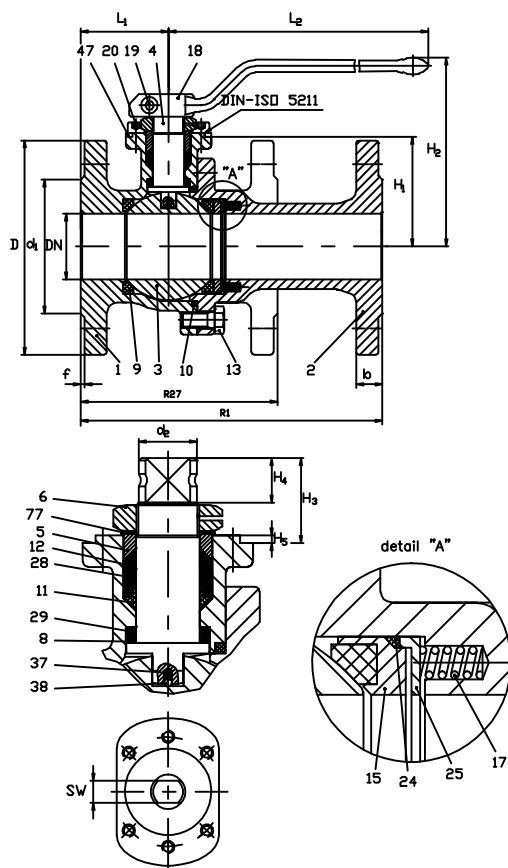
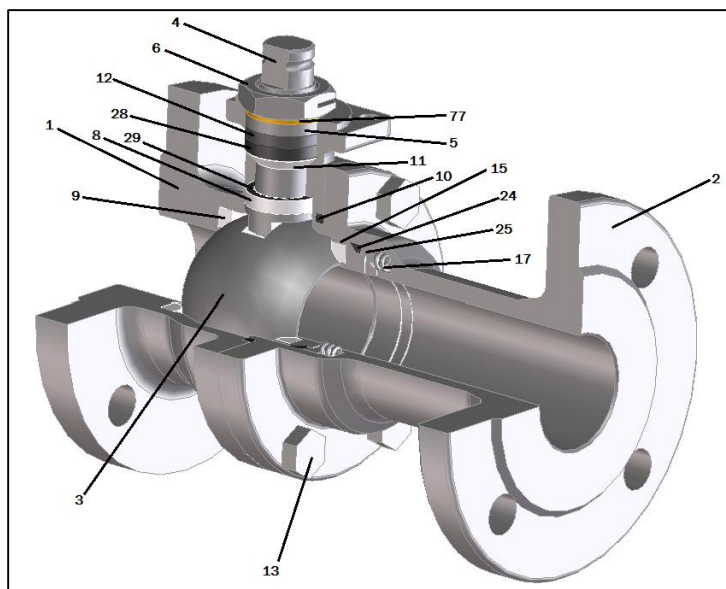
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FLUID HANDLING
TECHNOLOGY S.A.

TYPE 113/113GL F.S.
DN-15/150 PN-16/40 R1/R27



POS	COMPONENTS	MATERIAL
1	Body	1.4408
2	Body end	1.4408/1.4404
3	Ball	1.4408/1.4404
4	Stem	1.4404
5	Gland follower	1.4404
6	Nut	A2-70
8	Stem seal	RPTFE
9	Seat	RPTFE
10	Body seal	GRAPHITE
11	Packing	RPTFE
12	Fire safe seal	GRAPHITE
13	Screw	A2-70
15	Pressure ring	1.4404
17	Spring	1.4401
18	Handle	1.0619+ZINC
19	Handle screw	8.8+ZINC
20	Stopper screw	A2-70
24	Seat seal	GRAPHITE
25	Guide ring	1.4404
28	Inner packing	GRAPHITE
29	Inner stem seal	GRAPHITE
37	Stem spring	1.4404
38	Stem ball	1.4404
47	Stopper	1.4301
77	Fire safe plate	PEEK

DIMENSIONS

DN	PN	R27	R1	D	d1xf	b	L1	H1	H2	L2	d2	SW	H3	H4	H5	ISO
15	16/40	115	130	95	45x2	16	52.5	39.5	95	160	14	11	22.5	11	2	F05
20		120	150	105	58x2	18	56	42	101							
25		125	160	115	68x2		58	49.5	115	180	18	14	26.5	14		
32		130	180	140	78x2		62	55	125							
40		140	200	150	88x3		64.5	76	135	282	22	17	32.5	17	3	F07
50		150	230	165	102x3	20	67	83.5	145							
65	16	170	290	185	122x3	18	78	96	157							
65	40					22										
80	16	180	310	200	138x3	20	81.5	102.5	197	450	26	19	37.5	19		F10
80	40					24										
100	16	190	350	220	158x3	20	87	120.5	212							
100	40				235	162x3	24									
150	16	350	480	285	212x3	22	148	160	263	700	33	24	42.5	24	3	F12
150	40				300	218x3	28									

- Other materials and special alloys upon request.
- Seat ring materials depending on fluid and differential pressure.

Main features

- BIDIRECTIONAL.
- SPLIT BODY.
- FULL BORE.
- FLOATING BALL.
- SOFT SEAT.
- ANTI BLOW OUT STEM.
- ANTI STATIC DEVICE.

Standards

- TOP FLANGE ISO 5211
- FACE TO FACE EN 558-1
- FLANGES EN 1092-1
- FACE TO FACE ANSI B16.10
- FLANGES ANSI B16.5

Official approvals

- ISO 9001:2008
- ISO 15848-1
- API 6D
- PED 2014/68/EU
- AD 2000 Merkblatt W0
- FIRE SAFE CERTIFICATE
- TA-LUFT/VDI 2440
- ATEX 94/9/EC
- IEC EN 61508:2010 (SIL 3)



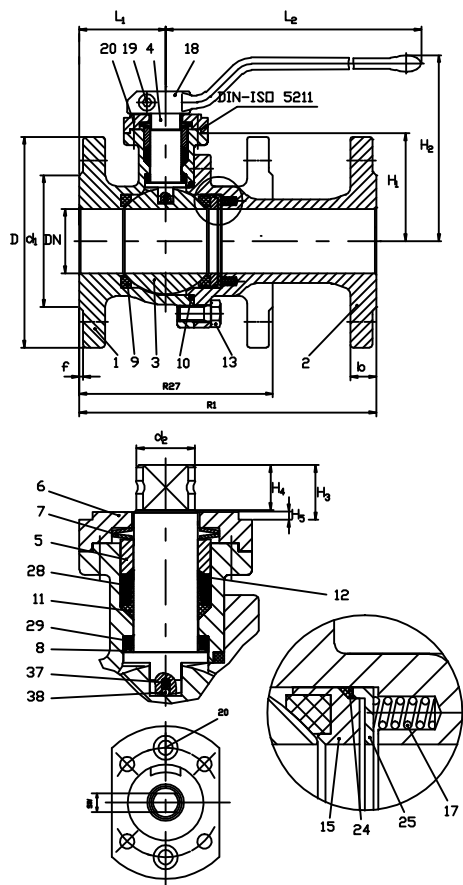
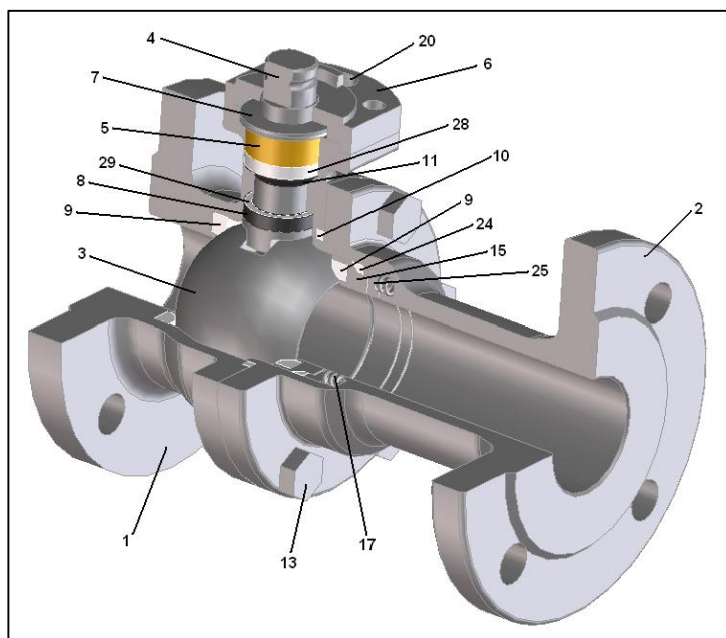
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TYPE 113/113GL
DN-15/150 PN-16/40 R1/R27



POS	COMPONENTS	MATERIAL
1	Body	1.4408
2	Body end	1.4408/1.4404
3	Ball	1.4408/1.4404
4	Stem	1.4404
5	Gland follower	PEEK
6	Cover	1.4301
7	Spring plate	1.4568
8	Stem seal	RPTFE
9	Seat	RPTFE
10	Body seal	RPTFE
11	Packing	RPTFE
13	Screw	A2-70
15	Pressure ring	1.4404
17	Spring	1.4401
18	Handle	1.0619+ZINC
19	Handle screw	8.8+ZINC
20	Cover screw	A2-70
24	Seat seal	RPTFE
25	Guide ring	1.4404
28	Inner packing	GRAPHITE
29	Inner stem seal	GRAPHITE
37	Stem spring	1.4404
38	Stem ball	1.4404

DIMENSIONS

DN	PN	R27	R1	D	d1xf	b	L1	H1	H2	L2	d2	SW	H3	H4	H5	ISO
15	16/40	115	130	95	45x2	16	52.5	39.5	95	160	14	11	14	11	2	F05
20		120	150	105	58x2	18	56	42	101							
25		125	160	115	68x2		58	49.5	115	180	18	14	17	14		
32		130	180	140	78x2		62	55	125							
40		140	200	150	88x3		64.5	76	135	282	22	17	21.5	17	3	F07
50		150	230	165	102x3	20	67	83.5	145							
65	16	170	290	185	122x3	18	78	96	157							
80	16	180	310	200	138x3	20	81.5	102.5	197	450	26	19	23.5	19		F10
100	16	190	350	220	158x3	20	87	120.5	212							
150	16	350	480	285	212x3	22	148	160	263	700	33	24	28	24	3	F12
150	40			300	218x3	28										

- Other materials and special alloys upon request.
- Seat ring materials depending on fluid and differential pressure.

Main features

- BIDIRECTIONAL.
- SPLIT BODY.
- FULL BORE.
- FLOATING BALL.
- SOFT SEAT.
- ANTI BLOW OUT STEM.
- ANTI STATIC DEVICE.
- AUTOMATIC PRESSURE CAVITY RELIEF
- DOUBLE SELF ADJUSTING PACKING

Standards

- TOP FLANGE ISO 5211
- FACE TO FACE EN 558-1
- FLANGES EN 1092-1
- FACE TO FACE ANSI B16.10
- FLANGES ANSI B16.5

Official approvals

- ISO 9001:2008
- ISO 15848-1
- API 6D
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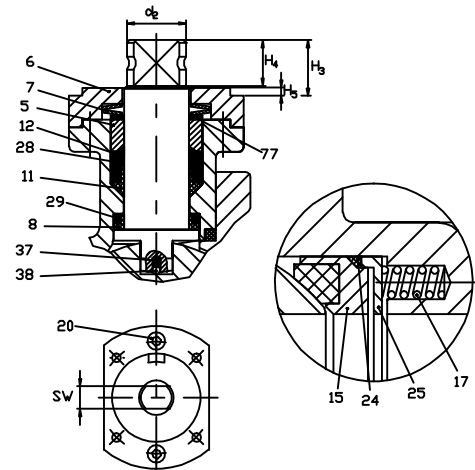
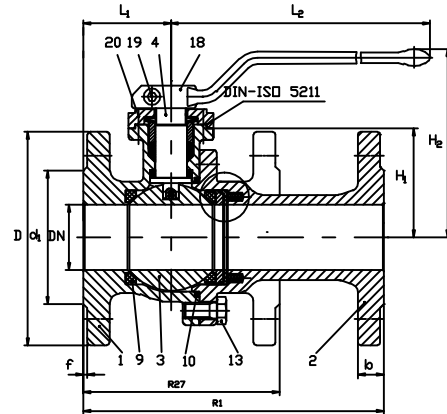
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This diagram shows an exploded view of a ball valve assembly. The components are numbered as follows:

- 1: Left flange
- 2: Right flange
- 3: Ball
- 4: Top cap
- 5: Stem seal
- 6: Top nut
- 7: Top seal
- 8: Stem
- 9: Stem seal
- 10: Stem seal
- 11: Stem seal
- 12: Top cap
- 13: Stem seal
- 14: Stem seal
- 15: Stem seal
- 16: Stem seal
- 17: Stem seal
- 18: Stem seal
- 19: Stem seal
- 20: Top nut
- 21: Top seal
- 22: Top seal
- 23: Top seal
- 24: Top seal
- 25: Top seal
- 26: Top seal
- 27: Top seal
- 28: Top seal
- 29: Top seal



POS	COMPONENTS	MATERIAL
1	Body	1.4408
2	Body end	1.4408/1.4404
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4	Stem	1.4404
5	Gland follower	1.4404
6	Cover	1.4301
7	Spring plate	1.4301
8	Stem seal	RPTFE
9	Seat	RPTFE
10	Body seal	GRAPHITE
11	Packing	RPTFE
12	Fire safe seal	GRAPHITE
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28	Inner packing	GRAPHITE
29	Inner stem seal	GRAPHITE
37	Stem spring	1.4404
38	Stem ball	1.4404
77	Fire safe plate	PEEK

[illegible]

- ISO 9001:2015
- ISO 15848-1
- API 6D
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