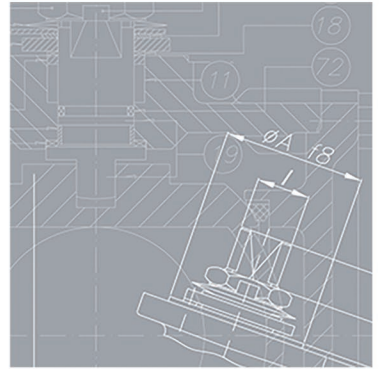


Technical Datasheet

ANSI Ball Valves 41500

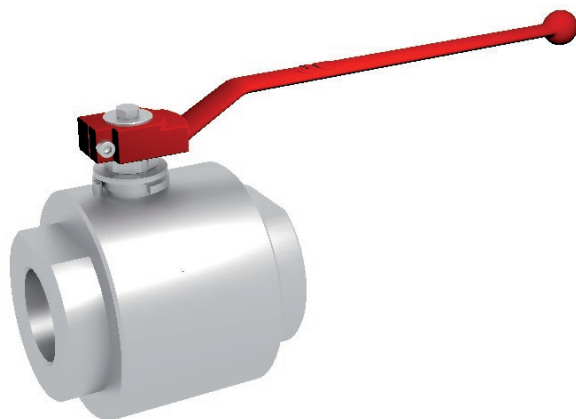
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2014/68/EV



II 2 G D
ATEX

FUGITIVE
EMISSIONS
EN-ISO 15848-1
TALUFT / VDI 2440

- Valve design: EN ISO 17292
- Body design: ASME VIII Div.1
- Shell thickness: ASME B16.34
- NPT / SW / BW / BSP
- Face to face dimensions: Manufacturer STD.
- Marking: API 6D / CE-PED / MSS SP25
- Pressure testing: API 598 / API 6D

Certifications

Company Certificates

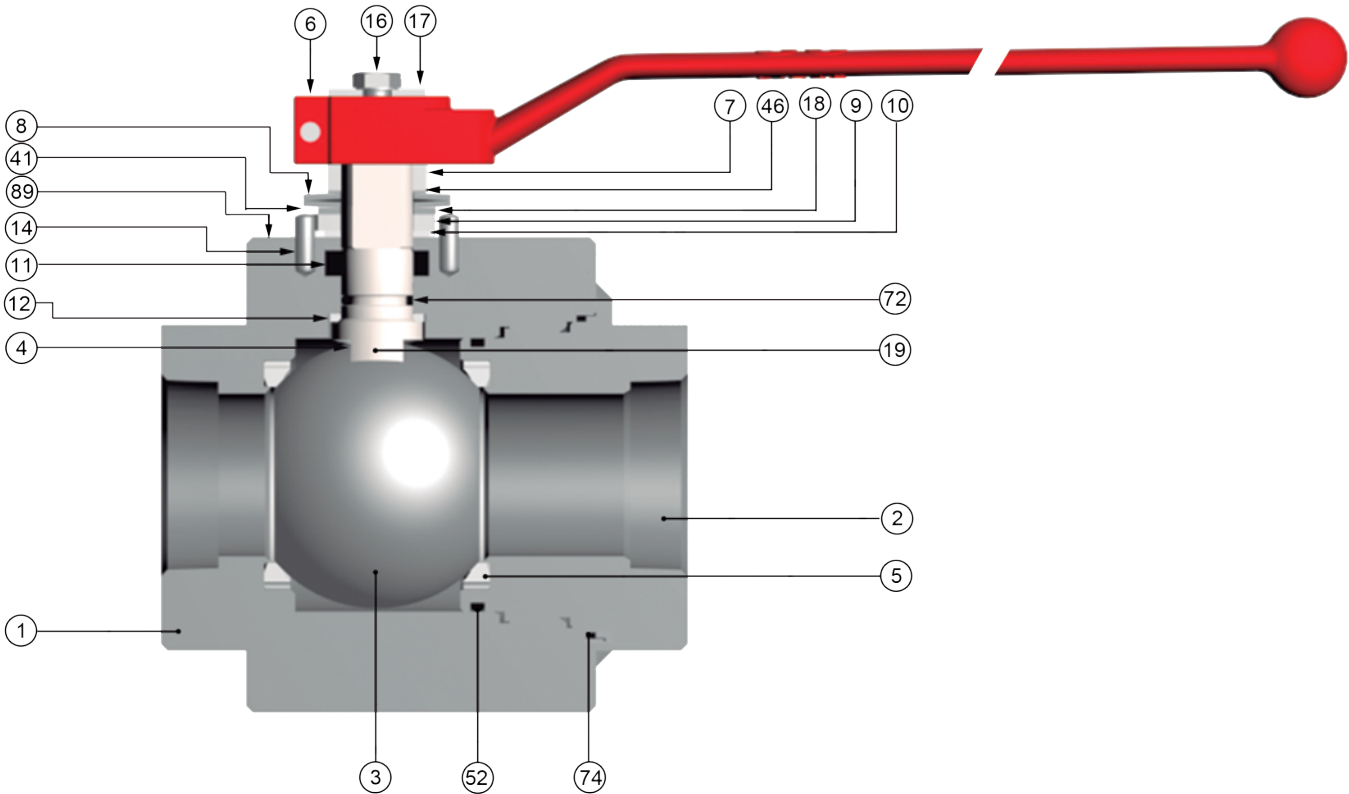
- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4

Product Certificates

- Fire Safe API 607, ISO 10497 / API 6FA
- PED 2014/68/EU - CE marking
- ATEX 2014/34/EU– (II2GD)
- Russian Federation Certificate TRCU 10, TRCU 12, TRCU 32
- Food processing and pharmaceutical industry FDA, USP CLASS VI COMPLIANCE (CE 1935/2004)
- Safety Integrity Level (SIL) LEVEL 3 IEC 61508
- CRN (Canadian Registration Number)
- Fugitive Emissions ISO 15848, TA LUFT (VDI 2440)

ANSI Ball Valves

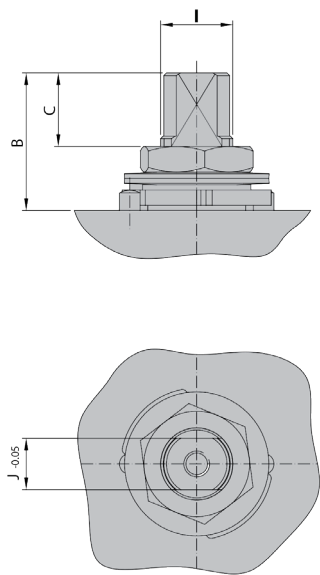
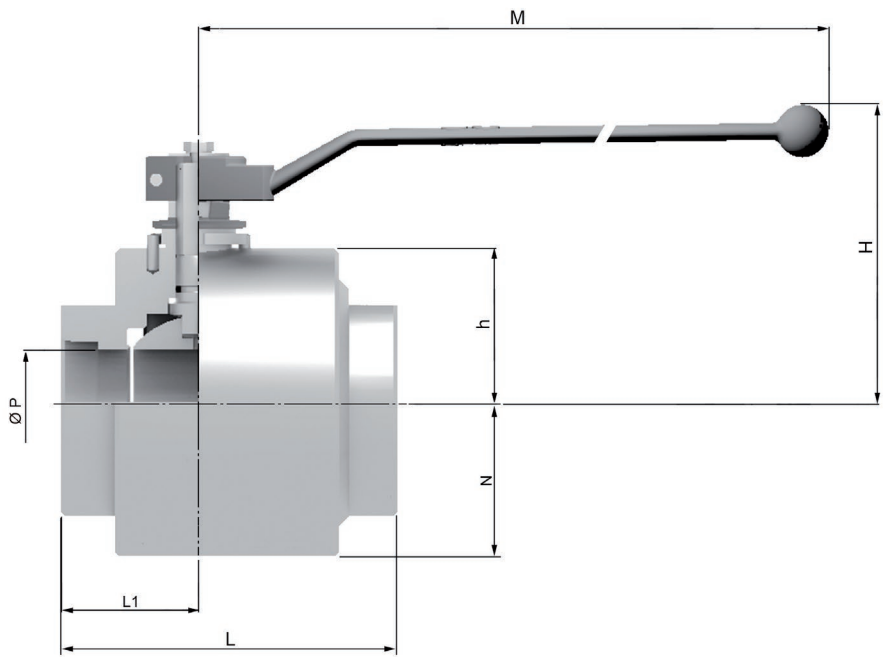
F l o a t i n g



Item	Description	Material		
		A.I.CG	I.I.CG	L.I.CG
1 / 2	Body / Body Connector	ASTM A105N	A 479 Tp.316L	ASTM A 352 LF2 CL.1
3	Ball	A182 Gr. F316		
4	Stem	17.4 PH Cond. H1150D		
5	Seat ring	RPTFE		
6	Wrench	(DN-3/8" ~ 1") Carbon Steel + Niquel Plated - (DN-1½" & 2") A 216 WCB		
7	Gland nut	Zinc plated carbon steel	AISI 303	
8	Disk spring	Carbon St.	A 666 Tp.301	
9	Stop plate	Carbon St.	AISI 304	
10	Gland	AISI 303	AISI 316	
11	Gland packing	Graphite		
12	Stem thrust seal	25% G.F. PTFE		
14	Stop pin	Carbon St.	Stainless St.	
16	Bolt	DIN 933 A4-70		
17	Washer	AISI 304		
18	Thrust washer	25% G.F. PTFE		
19	Antistatic device	Stainless St.		
41	Spacer (DN-40 to 50)	Carbon St.	AISI 304	
46	Washer	AISI 304		
52	Body connector seal	FKM		
72	O-Ring	FKM		
74	Insert seal	Graphite		
89	Identification plate	Stainless St.		

ANSI Ball Valves

F l o a t i n g



Series 41500 (Class 1500)

* Weight in Kg (*) Dimensions in mm

DN	L	L1	ØP	h	N	H	M	B	C	I	J	WEIGHT	Kv
3/8"	80	35,0	9,5	25,0	25,0	81	164	16,0	5,7	M10x1,5	7	1,0	5
1/2"	90	35,0	15	29,0	30,5	100	164	19,7	7,5	M12x1,5	9	1,9	13
3/4"	110	50,0	20	32,0	34,0	103	164	19,7	7,5	M12x1,5	9	2,7	24
1"	119	49,0	25	36,0	37,5	107	164	19,7	7,0	M12x1,5	9	3,4	38
1.1/2"	150	75,0	40	60,0	60,0	129	213	38,5	18,3	M18x1,5	13	9,5	102
2"	161	66,0	50	73,0	73,0	142	348	40,5	18,1	M22x1,5	16	18,0	168

Differential Pressure 1500 #

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
3/8"	12	6	7	9	6	10	46
1/2"	15	8	9	11	8	12	92
3/4"	24	12	14	18	12	19	92
1"	32	16	19	24	16	26	92
1.1/2"	117	59	70	88	59	94	299
2"	185	93	111	139	93	148	623

Pressure – Temperature Charts

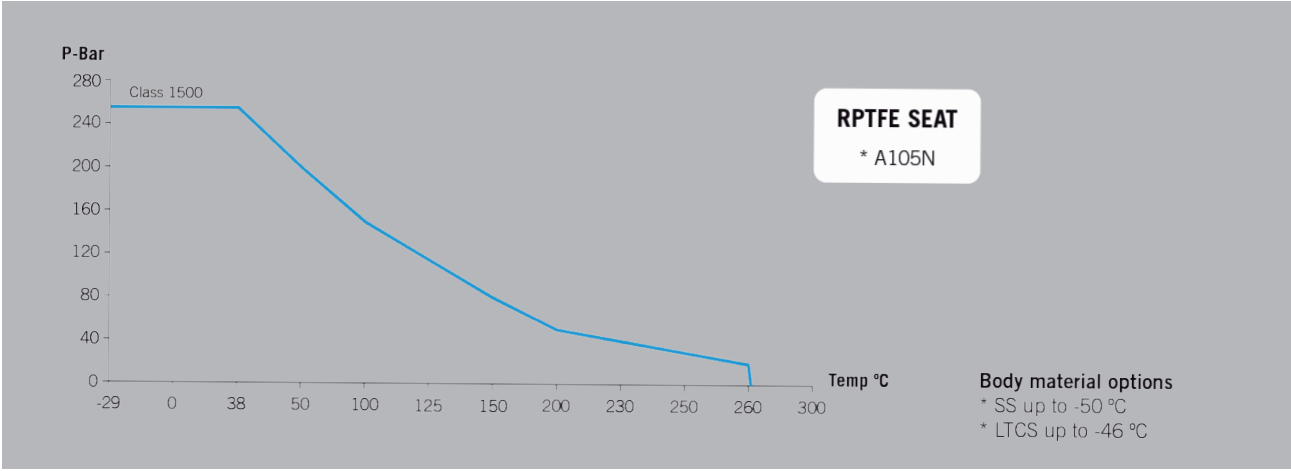


Fig.41501R Full Bore
(NPTF / NPTF)

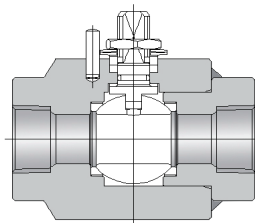


Fig.41511R
Reduced Bore
(NPTF / NPTF)

Fig.41502R Full Bore
(SW / SW)

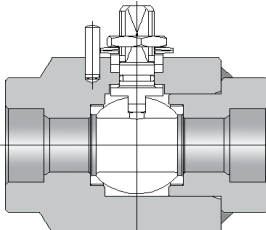


Fig.41512R
Reduced Bore
(SW / SW)

Fig.41504R Full Bore
(BW / NPTM)

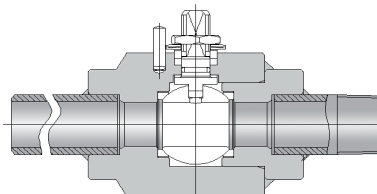


Fig.41514R
Reduced Bore
(BW / NPTM)

Fig.41504HR Full Bore
(NPTF / BW)

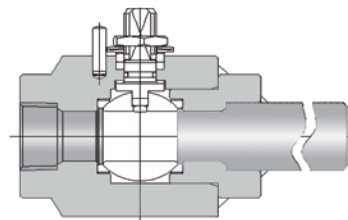


Fig.41514HR
Reduced Bore
(NPTF / BW)

Fig.41505R Full Bore
(NPTF / SW)

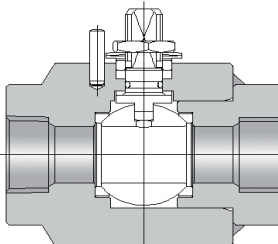


Fig.41515R
Reduced Bore
(NPTF / SW)

Fig.41505TVR Full Bore
(NPTF / BSPM)

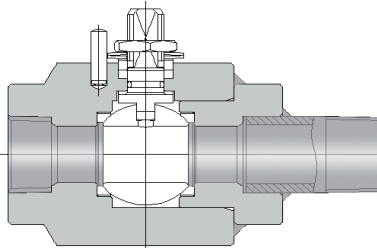


Fig.41515TVR
Reduced Bore
(NPTF / BSPM)

Fig.41506R Full Bore
(NPTM / NPTM)

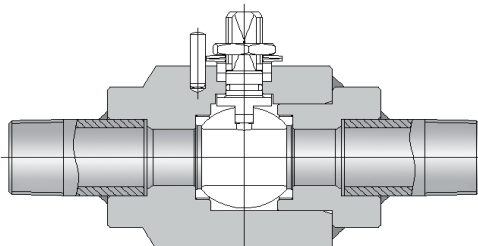


Fig.41516R
Reduced Bore
(NPTM / NPTM)

Fig.41507R Full Bore
(BW / BW)

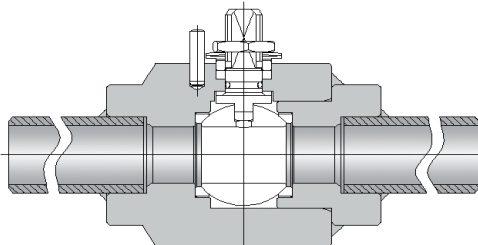
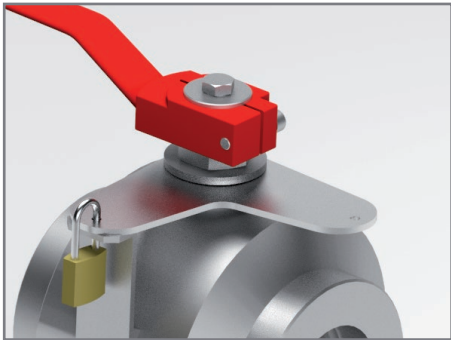


Fig.41517R
Reduced Bore
(BW / BW)

ANSI Ball Valves
Flow Rating



Simple Stem Extension



Locking Device



Oval Handwheel