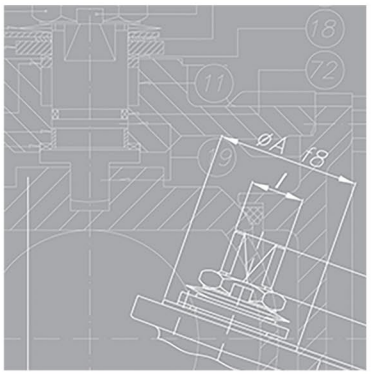
Technical Datasheet

ANSI Ball Valves 41500

JC VALVES

The quality option



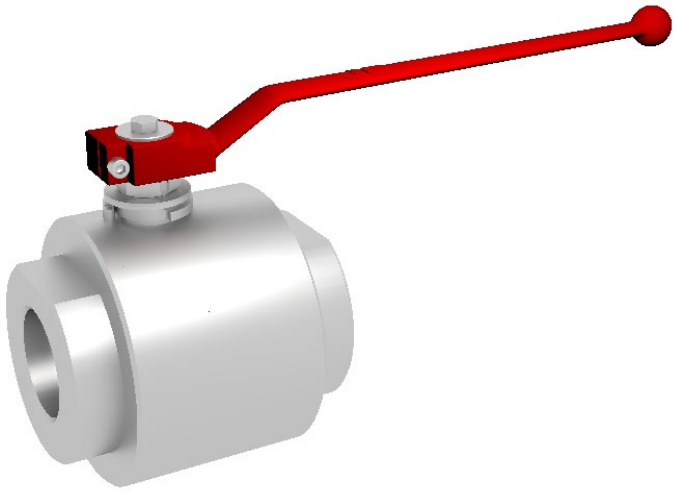


sales@jc-valves.com
www.jc-valves.com

Fig. 41500

General Characteristics

ANSI Ball Valves
Floating



2014/68/EU

SIL IEC 61508

II 2 G D

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

- Valve design: ASME B16.34
- 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

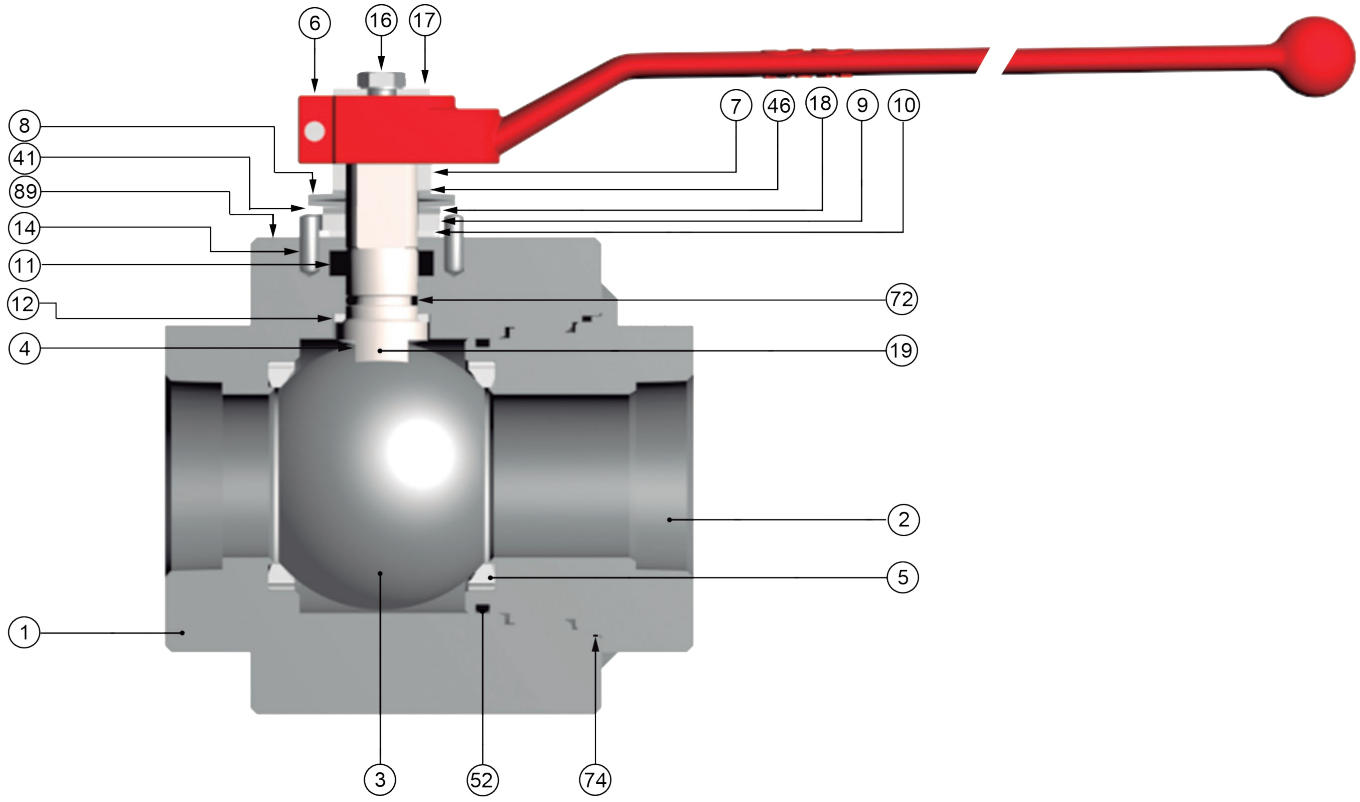
Product Certificates

- 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) - *Optional*
- Safety Integrity Level (SIL) LEVEL 3 IEC 61508
- CRN (Canadian Registration Number)
- Fugitive Emissions TA-Luft / ISO 15848-1

Fig. 41500

Parts and Materials

ANSI Ball Valves
Floating

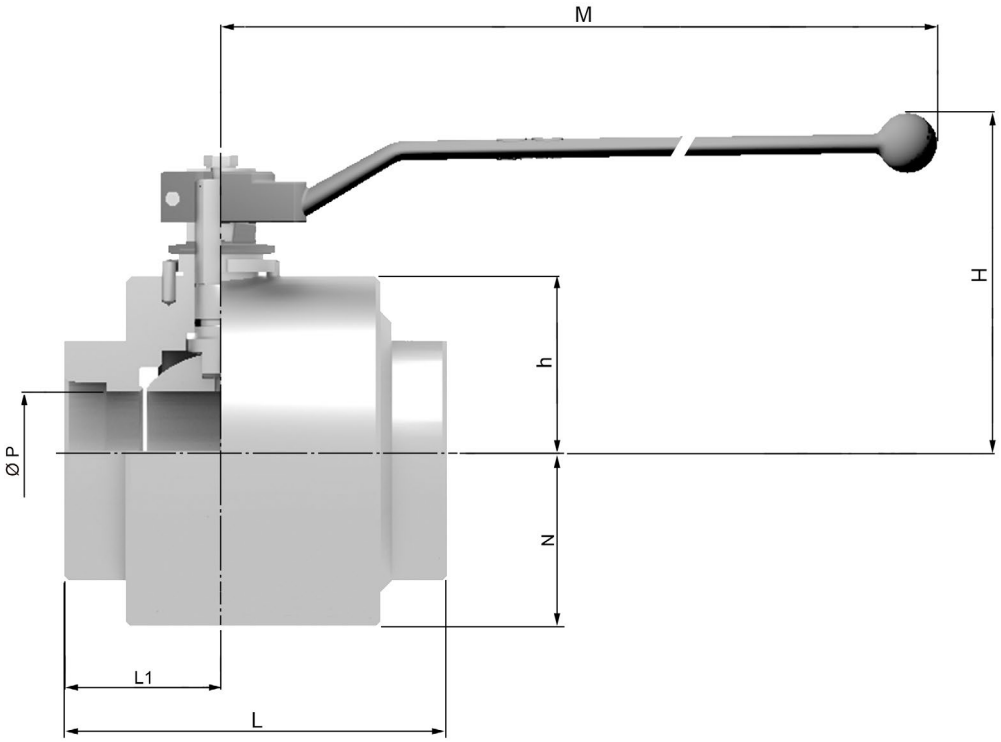


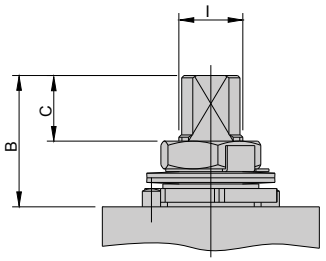
Item	Description	Material		
		A.I.CG	I.I.CG	L.I.CG
1 / 2	Body / Body Connector	ASTM A105N	ASTM A479 Tp.316/316L	ASTM A352 LF2 CL.1
3	Ball	ASTM A182 Gr. F316		
4	Stem	17.4 PH		
5	Seat ring	RPTFE		
6	Wrench	(DN-3/8" ~ 1") Carbon Steel + Niquel Plated - (DN-1½" & 2") ASTM A216 WCB		
7	Gland nut	Zinc plated carbon steel	AISI 303	
8	Disk spring	Carbon St.	ASTM A666 Tp.301	
9	Stop plate	Carbon St.	ASTM A276 Tp.304	
10	Gland	AISI 303	ASTM A479 Tp.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	ASTM A276 Tp.304		
18	Thrust washer	25% G.F. PTFE		
19	Antistatic device	Stainless St.		
41	Spacer (DN-40 to 50)	Carbon St.	ASTM A276 Tp.304	
46	Washer	ASTM A276 Tp.304		
52	Body connector seal	FKM		
72	O-Ring	FKM		
74	Insert seal	Graphite		
89	Identification plate	ASTM A276 Tp.316		

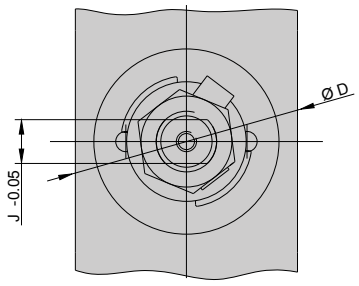
Fig. 41500

Dimensions

ANSI Ball Valves
Floating







Series 41500 (Class 1500)

* Weight in Kg (*) Dimensions in mm

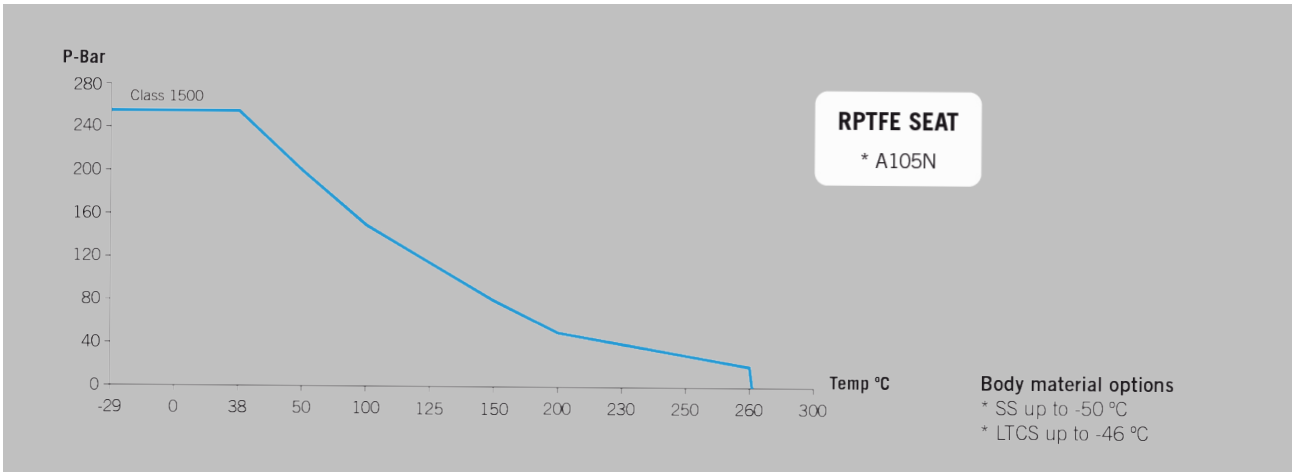
DN	ØP	L	L1	h	H	M	N	B	C	I	J	WEIGHT	Kv
3/8"	9,5	80	35,0	25,0	81	164	25,0	16,0	5,7	M10x1.5	7	1,0	5
1/2"	15	90	35,0	29,0	100	164	30,5	19,7	7,5	M12x1.5	9	1,9	13
3/4"	20	110	50,0	32,0	103	164	34,0	19,7	7,5	M12x1.5	9	2,7	24
1"	25	119	49,0	36,0	107	164	37,5	19,7	7,0	M12x1.5	9	3,4	38
1.1/2"	40	150	75,0	60,0	129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

ANSI Ball Valves
Floating

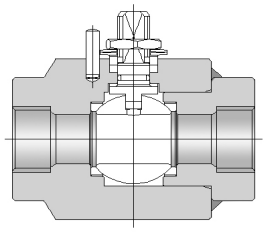
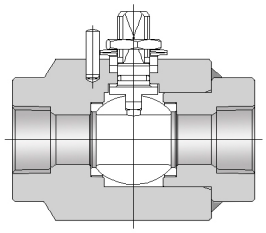
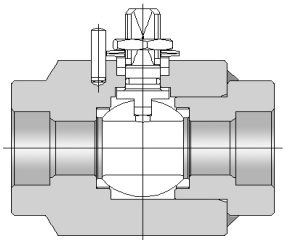
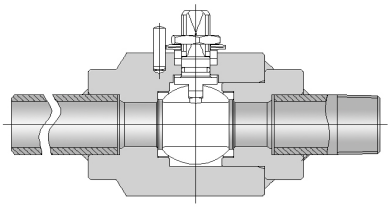
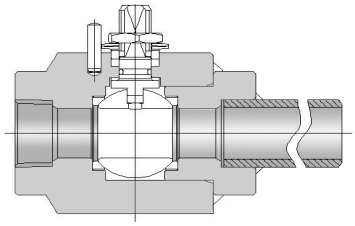
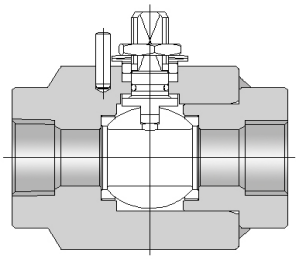
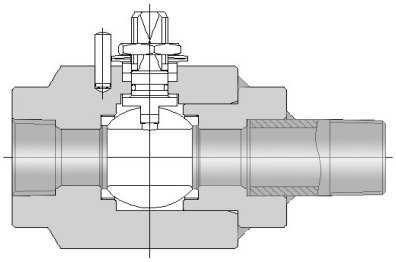
Differential Pressure 1500

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



ANSI Ball Valves
Floating

Fig.41500R Full Bore (BSPF / BSPF)		Fig.41510R Reduced Bore (BSPF / BSPF)
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)

ANSI Ball Valves
Floating

Fig.41506R Full Bore
(NPTM / NPTM)

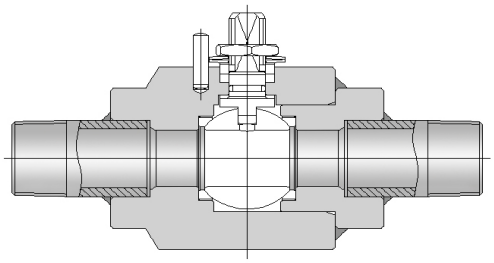


Fig.41516R
Reduced Bore
(NPTM / NPTM)

Fig.41507R Full Bore
(BW / BW)

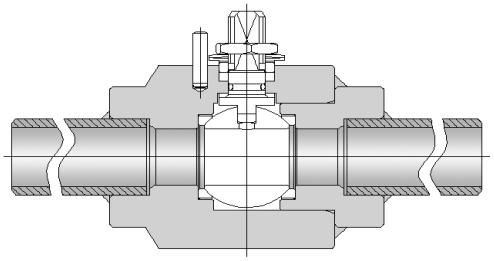
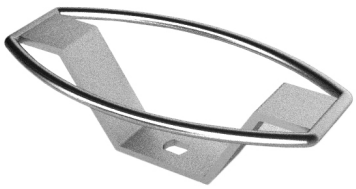


Fig.41517R
Reduced Bore
(BW / BW)

Special Accessories



Simple Stem Extension



Oval Handwheel