



Ball Valves PN 20/50 (Class 150/300) LCC Construction (Low Temperature Carbon Steel)

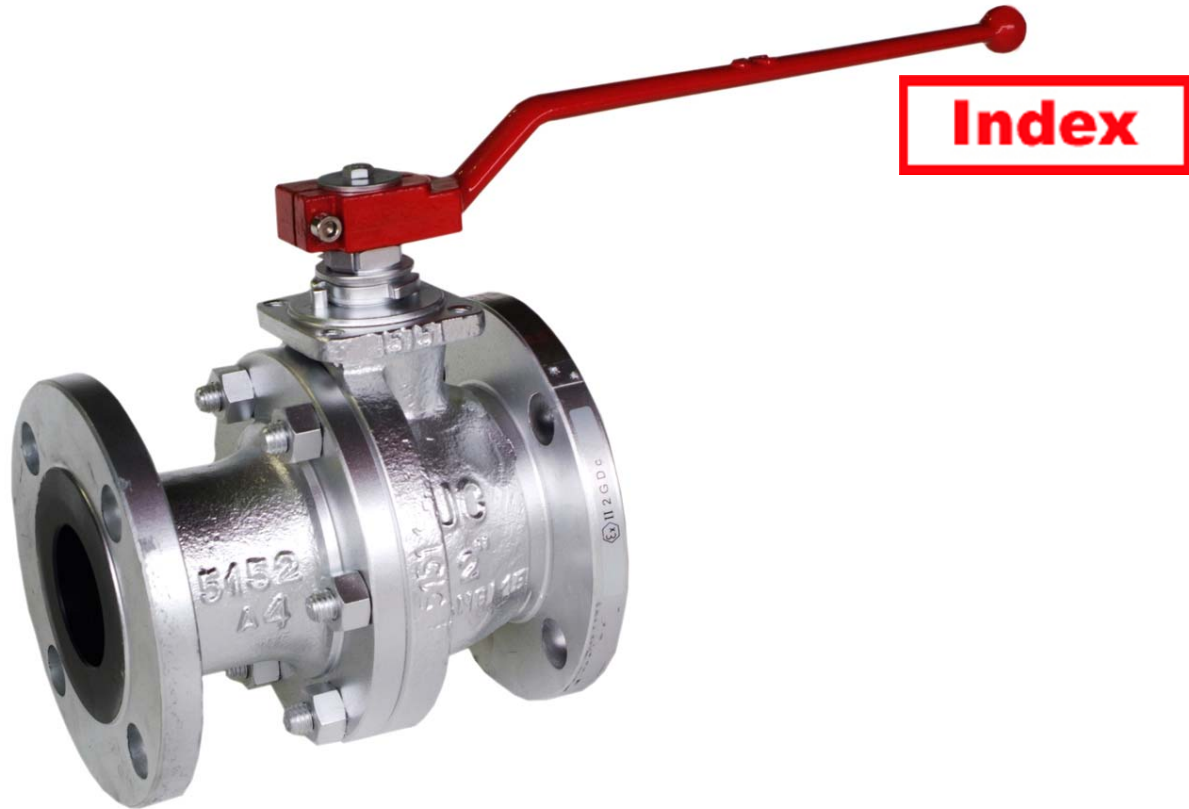
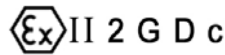


Fig. 515/530

API 6D and Fire Safe

Manufacturing program:



LICENSE NO. 6D-0197

Quality & Environmental Management:



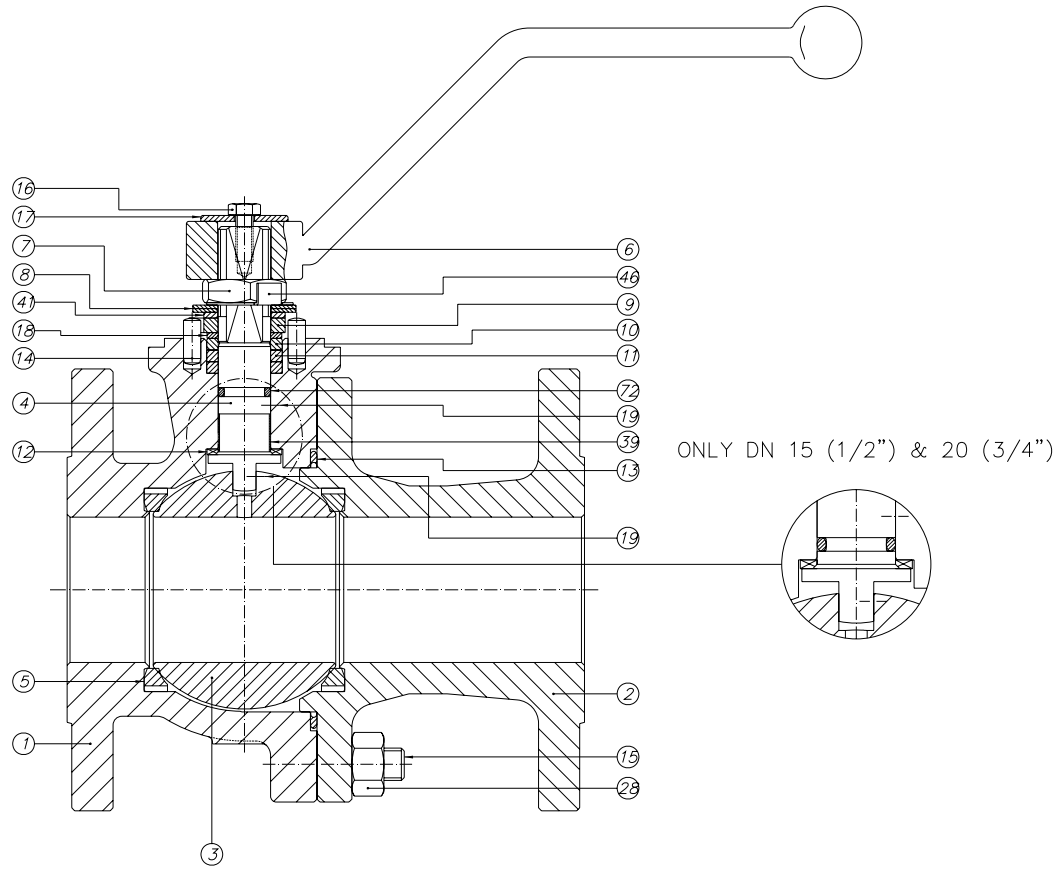


Ball Valves PN 20/50 (Class 150/300)

DN 25 - 200 (1" – 8") PN 20 (Class 150)

DN 25 - 150 (1" – 6") PN 50 (Class 300)

Parts and materials



Item	Description	Material
1	Body	A 352 Gr. LCC
2	Body connector	A 352 Gr. LCC
3	Ball	A 351 Gr. CF8M (DN 15 : 25 A 479 Tp.316)
4	Stem	A 479 Tp.316
5	Seat ring	PTFE
6	Wrench	Nodular Iron
7	Gland nut	AISI 303
8	Disk spring	E.N.P. Carbon St.
9	Stop plate	AISI 304
10	Gland	AISI 316
11	Gland packing	Graphite
12	Stem thrust seal	25% G.F. PTFE
13	Body connector seal	AISI 316L + PTFE + Graphite
14	Stop pin	Stainless St.
15	Stud	A 193 Gr. L7M
16	Bolt	DIN 933 A2
17	Washer	AISI 304
18	Thrust washer	25% G.F. PTFE
19	Antistatic device	Stainless St.
28	Nut (DN 25 to 200)	A 194 Gr. 7M
39	Stem bushing	25% G.F. PTFE
41	Spacer (DN 40 to 200)	AISI 304
46	Washer	AISI 304
72	"O" Ring	FKM
89	Identification plate	Stainless St.

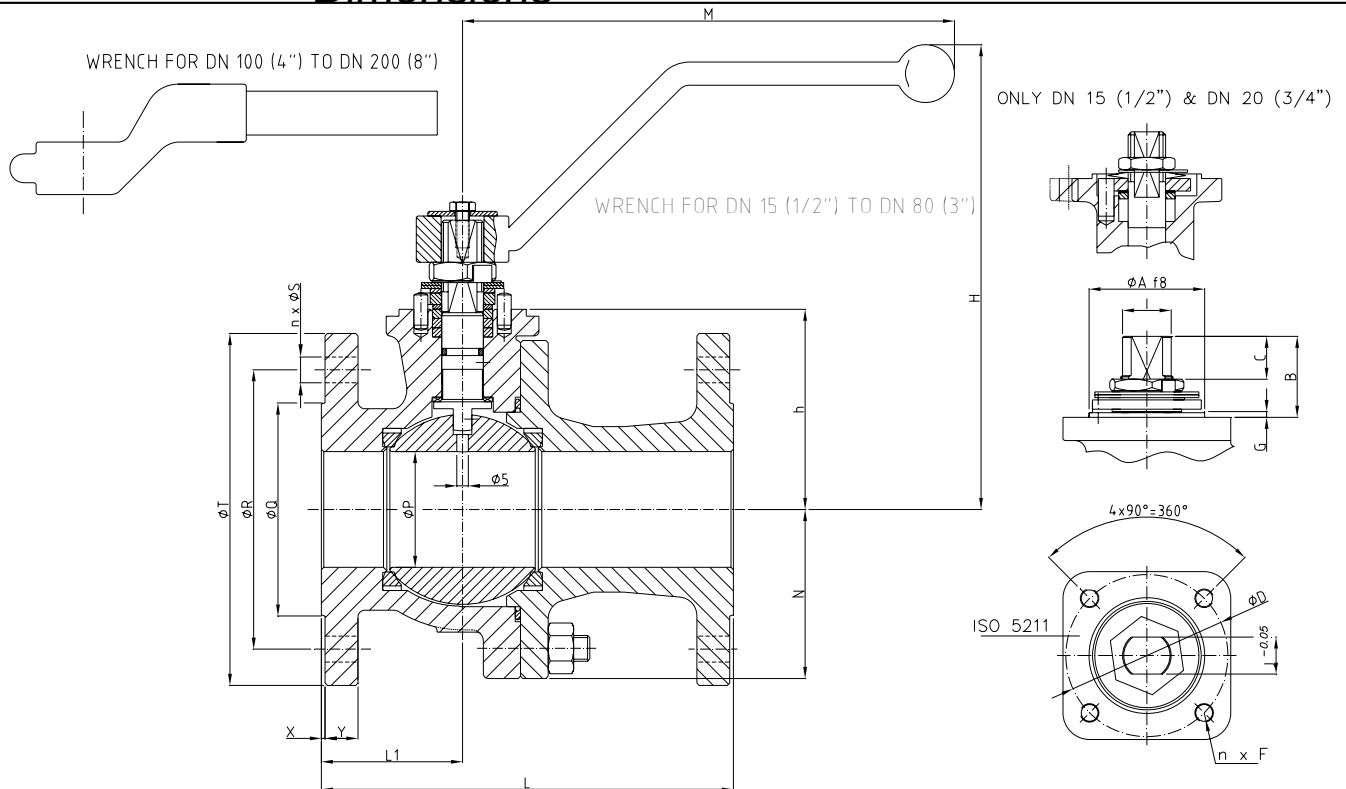


Ball Valves PN 20/50 (Class 150/300)

DN 25 - 200 (1" – 8") PN 20 (Class 150)

DN 25 - 150 (1" – 6") PN 50 (Class 300)

Dimensions



Series 515 (Class 150)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	H	M	WEIGHT
25 (1")	25	127	52	50,8	79,4	4x15,9	110	1,6	12,7	58	---	129	164	3,5
50 (2")	50	178	61	92	120,7	4x19	150	1,6	17,5	83,5	---	155	213	11
80 (3")	80	203	79	127	152,4	4x19	190	1,6	22,2	111	---	207	445	23
100 (4")	100	229	90	157,2	190,5	8x19	230	1,6	22,2	133	120	231	495	38
150 (6")	151	394	174	216	241,3	8x22,2	280	1,6	23,8	183	168	298	698	88
200 (8")	203	457	200	270	298,4	8x22,2	345	1,6	27	233	208	352	868	155

(*) Dimensions in mm and weight in kg.

Series 530 (Class 300)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	H	M	WEIGHT
25 (1")	25	165	70	50,8	88,9	4x19	125	1,6	15,9	58	---	129	164	5
50 (2")	50	216	83	92	127	8x19	165	1,6	20,6	83,5	---	155	213	14
80 (3")	80	283	118	127	168,3	8x22,2	210	1,6	26,9	111	---	207	445	32
100 (4")	100	305	130	157,2	200	8x22,2	255	1,6	30,2	133	120	231	495	52
150 (6")	151	403	160	216	269,9	12x22,2	320	1,6	35	183	168	298	698	94

(*) Dimensions in mm and weight in kg.

Actuator connection

DN	ISO 5211	ØA	B	C	ØD	n x F	G	I	J
25 (1")	F05	35	22,7	10,2	50	4x M6	1,5	M12x1.5	9
50 (2")	F07	55	41,5	19,2	70	4x M8	3	M18x1.5	13
80 (3")	F10	70	44,5	19,7	102	4xM10	3	M25x1.5	18
100 (4")	F10	70	56,5	29,2	102	4xM10	3	M28x1.5	20
150 (6")	F12	85	68	38,5	125	4xM12	3	M40x1.5	29
200 (8")	F14	100	72	39	140	4xM16	4	M45x2	32

(*) Dimensions in mm



Ball Valves PN 20/50 (Class 150/300)

DN 25 - 200 (1" – 8") PN 20 (Class 150)

DN 25 - 150 (1" – 6") PN 50 (Class 300)

General Characteristics, Torque&KV, P&T Rating

GENERAL CHARACTERISTICS	Fig.515/530 Series SFF	Split Body	Floating Ball	Full Bore	
DESIGN STANDARDS					
Valves design	API 6D	ASME B16.34	EN ISO 17292	EN 1983	
Body design	ASME VIII Div.1				
Shell thickness	ASME B16.34	EN ISO 17292			
Flanges	ASME B16.5 Raised face				
Face to face dimensions	ASME B16.10 Long pattern	API 6D	EN 558		
Actuator mounting flange	ISO 5211				
Wetted parts materials and bolting	NACE MR.01.75				
Shell finishing quality	MSS SP 55				
Marking	API 6D	EN 19	EN 19	CE - PED	EN 19
TESTS AND CERTIFICATES					
Quality Assurance	ISO 9001	API Q1	CE - PED		
Fire Safe certification	BS 6755 Part 2	API 6FA	ISO 10497	API 607 6 TH Edition	
Pressure testing	API 598	EN 12266	ISO 5208	EN 12266	EN 12266
Other	ISO 14001	ATEX			

Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE		VALVE SIZE	AT DIFFERENTIAL PRESSURE	
	Class 150	Class 300		Class 150	Class 300
	20 bar	50 bar		20 bar	50 bar
DN 25 (1")	15	20	DN 100 (4")	150	230
DN 50 (2")	40	55	DN 150 (6")	250	342
DN 80 (3")	90	150	DN 200 (8")	700	

Kv Values in m³/h

DN 25 (1")	DN 50 (2")	DN 80 (3")	DN 100 (4")	DN 150 (6")	DN 200 (8")
75	270	1000	1650	4200	9000

Pressure-Temperature

