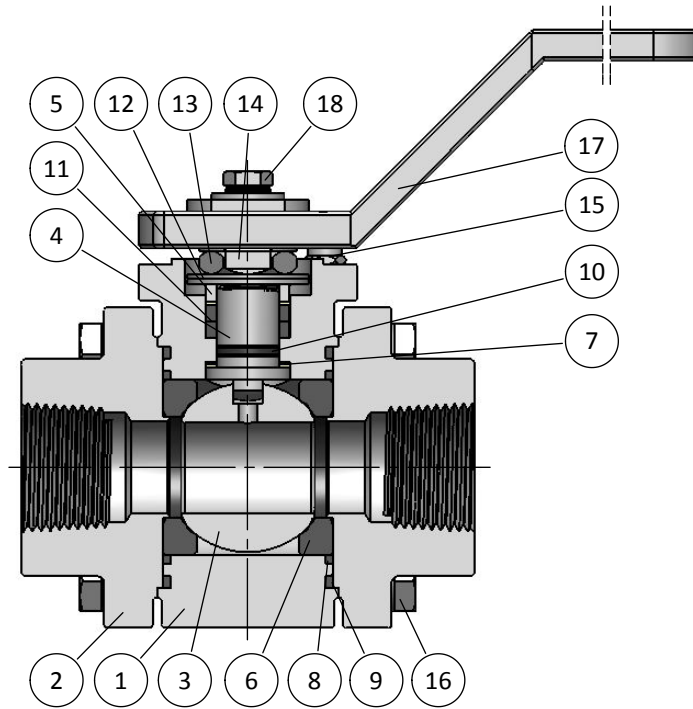
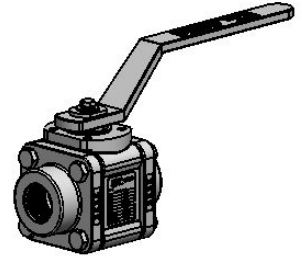


XF SERIES
CL600 (1500 psi)
FULL BORE - DN 10 (3/8") ÷ 40 (1 1/2")
REDUCED BORE - DN 15 (1/2") ÷ 50 (2")
STANDARD
BILL OF MATERIALS



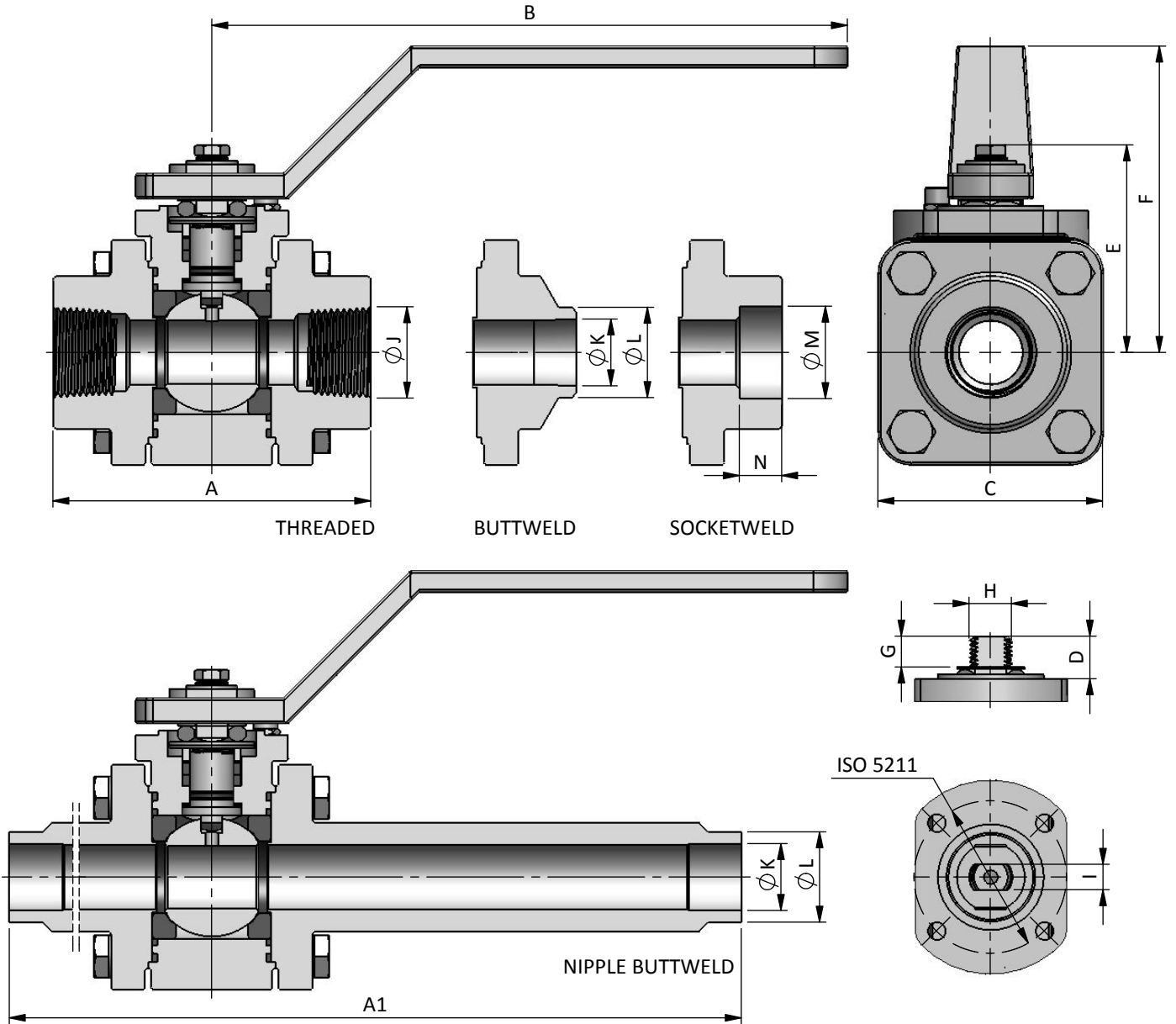
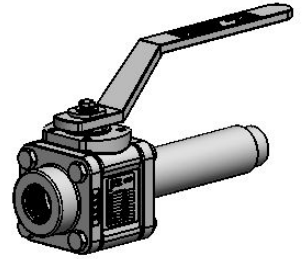
BILL OF MATERIALS

Part	Qt.	Description	CARBON STEEL VERSION	STAINLESS STEEL VERSION
1	1	Body	A216 WCB	A351 CF3M
2	2	End	A216 WCB	A351 CF3M
3	1	Ball	A351 CF8M	
4	1	Stem	A479 316-316L	
5	1	Gland Packing	A479 316-316L	
6	2	Seat	↙	CG-RPTFE
7	1	Stem Thrust Seals	↙	CG-RPTFE + PEEK
8	2	1st Body Seal	↙	CG-RPTFE
9	2	2nd Body Seal	↙	GRAPHITE
10	1	O'Ring	↙	FKM
11	1	Stem Packing Set	↙	GRAPHITE + PEEK
12	2	Disc Spring	STAINLESS ST. 316	
13	1	Stem Nut	STAINLESS ST. 316	
14	1	Locking Clip	STAINLESS ST. 316	
15	1	Stop Pin	STAINLESS ST. 316	
16	8	Bolt	A193 B7	A193 B8M cl.2
17	1	Handle	A351 CF8M	
18	1	Handle Fastener	STAINLESS ST. 304	

↙ TYPICAL SPARE PARTS

XF SERIES

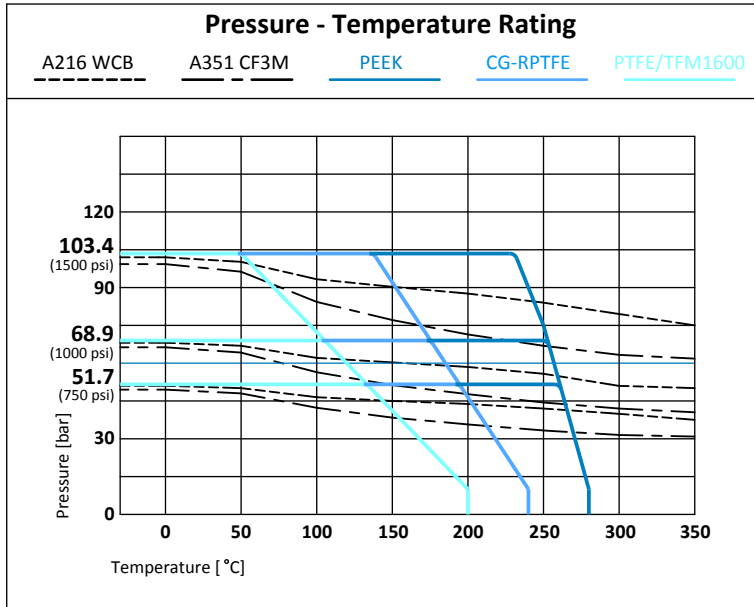
CL600 (1500 psi)
 FULL BORE - DN 10 (3/8") ÷ 40 (1 1/2")
 REDUCED BORE - DN 15 (1/2") ÷ 50 (2")
 THREADED & WELDED ENDS



DN / Size				Dimensions							Automation				Weight Approx. [kg]		
FULL BORE		REDUCED BORE		Ball Port	A	A1	B	C	D	E	F	G	H	I	ISO 5211	Short	Long
mm	inch	mm	inch														
10	3/8"	15	1/2"	11.9	70	-	150	48	10	47.5	70.5	6	10	6	F03	1	-
15	1/2"	20	3/4"	15.1	75	250	150	53	10	50	73.5	6	10	6	F03	1.2	1.6
20	3/4"	25	1"	20.7	90	260	180	64.5	16.5	62.5	90	9.5	12	7.5	F04	2	2.5
25	1"	32	1 1/4"	25.4	100	270	180	72	16.5	66	95	9.5	12	7.5	F04	3	3.5
32	1 1/4"	40	1 1/2"	31.8	115	280	230	86	21.5	82.5	115	11.5	16	11	F05	4.5	6
40	1 1/2"	50	2"	38.1	125	290	230	96	22	88	120	11.5	16	11	F05	6	7

DN / Size		Connections					
mm	inch	J	K	L	M	N	
10	3/8"	NPT	-	-	17.6	10	
15	1/2"				21.8	10	
20	3/4"				27.2	13	
25	1"	BSPT	-	-	33.9	13	
32	1 1/4"	BSP	-	-	42.7	13	
40	1 1/2"				48.8	13	
50	2"				61.2	17	

Nipple buttweld only available in full bore version



Seat Options		
Material	mOT* [°C]	MOT* [°C]
PTFE / TFM 1600	-196	200
CG-RPTFE	-196	240
PEEK	-40	280

*mOT - minimum Operating Temperature.
 Standard version recommended up to -46 °C
 Extended version recommended up to -101 °C
 *MOT - Maximum Operating Temperature at 10 bar

DN	Rating
FB 10 (3/8") to 50 (2") RB 15 (1/2") to 50 (2")	103.4 bar / 1500 psi
FB 65 (2") to 80 (3")	68.9 bar / 1000 psi
FB 100 (4")	51.7 bar / 750 psi

DN / Size				Torque Valve Figure [Nm]						Maximum Allowable Stem Torque [Nm]					Flow Coefficient Cv
FULL BORE		REDUCED BORE		CG-RPTFE						316	F51	F55	17.4	718	
mm	inch	mm	inch	BTO	RTO	ETO	BTC	RTC	ETC	MAST					
10	3/8"	15	1/2"	6	4	4	4	3	5	16	25	30	40	53.5	8
15	1/2"	20	3/4"	8	5	6	6	4	7	16	25	30	40	53.5	13
20	3/4"	25	1"	12	8	8	8	7	10	29.5	45	55	71.5	98.5	27
25	1"	32	1 1/4"	18	12	13	13	10	15	29.5	45	55	71.5	98.5	41
32	1 1/4"	40	1 1/2"	30	20	21	21	17	26	82.5	125	150	200	275	77
40	1 1/2"	50	2"	39	25	27	27	21	33	82.5	125	150	200	275	96
50	2"	-	-	46	30	32	32	25	39	110	240	290	385	535	162
65	2 1/2"	-	-	70	46	49	49	39	60	205	445	540	715	1000	267
80	3"	-	-	82	53	57	57	45	70	205	445	540	715	1000	390
100	4"	-	-	96	62	67	67	53	82	405	880	1075	1420	1950	700

CERTIFICATION	CONSTRUCTION STANDARDS	TEST STANDARDS
CE Certification acc. to PED 2014/68/EU Fire Safe Design acc. to API 607Ed.6/ISO 10497 ATEX II 2GD Design acc. to 2014/34/EU Fugitive Emissions Class B acc. to ISO 15848 CO1 (-46 °C to RT) Quality System Certified acc. to ISO 9001	ASME B16.34 ASME B1.20.1 ISO 7-1 ISO 228-1 ASME B16.25 ASME B36.10M ASME B16.11 ISO 5211	Valves are tested according to: EN 12266-1 Rate A and API 598 TESTS APPLIED: Hydrostatic and Pneumatic EN 10204 type 3.1 Certificate

Last revision available