



150 Class

API 600 STANDARD

PN20

Bolted Bonnet Steel GATE VALVES

OUTSIDE SCREWED & YOKE, RISING STEM, FIRE SAFE

Figure

E510.11



600-0043

DIMENSIONS & WEIGHT of E510

DN	ID	ØD	b	Øg	ØK	n	ØI	L	H	ØW	Wt	Kv	BORCODE
inc.	mm	mm	mm	mm	mm	no	mm	mm	mm	mm	kg	m ³ /h	
2"	51	153	16	92	121	4	19	178	370	210	18	240	869699750101
2½"	64	178	17,5	105	139,7	4	19	191	420	210	25	350	869699720025
3"	76	191	19	127	152	4	19	203	450	265	29	520	869699750102
4"	102	229	24	157	191	8	19	229	550	265	51	970	869699750103
5"	127	254	24	186	216	8	22	254	680	310	64	1500	869699720150
6"	152	280	26	216	241	8	22	267	780	360	74	2150	869699750104
8"	203	343	29	270	299	8	22	292	975	410	127	3850	869699750105
10"	254	407	30	324	362	12	26	330	1275	460	194	6000	869699750106
12"	305	483	32	381	432	12	26	356	1425	460	283	8600	869699750107
14"	337	534	35	413	476	12	29	381	1620	610	375	10600	869699750108
16"	387	597	37	470	540	16	29	406	1800	610	485	14000	869699750109
18"	438	635	40	534	578	16	32	432	2100	730	680	17000	869699720151
20"	489	699	43	584	635	20	32	457	2230	730	730	21000	869699750110
24"	591	813	48	692	749	20	35	508	2600	730	1225	30500	869699750111
28"	686	925	54	800	863	28	35	610	3100	730	1750	42500	869699720028
30"	737	985	54	857	914	28	35	610	3200	730	2350	50000	869699750217
32"	781	1060	57	914	978	28	42	711	3350	730	2800	55000	869699750218
36"	876	1170	61	1022	1086	32	42	711	3700	730	3050	70000	869699750219
42"	1020	1345	67	1194	1257	36	42	762	4500	730	4200	95000	869699750220
48"	1166	1510	70	1359	1422	44	42	762	5200	730	5040	124000	869699750221
60"	1458	1855	80	1676	1759	52	48	762	6200	730	9000	190000	869699750222
72"	1755	2200	90	2020	2095	60	51	914	7800	730	13000	275000	869699750223

TEST PRESSURE		WORKING PRESSURE	
SHELL & BACKSEAT	30 Bar	-29+38 °C	20 Bar
CLOSURE	22 Bar	+425 °C	6 Bar
AIR	6 Bar		

PART LIST for Material No.11

Item	PART NAME	Symb.	material	Item	PART NAME	Symb.	material
1	BODY	WCB	ASTM A216 Gr.WCB	11	STEM BUSHING	BZ	ASTM B148
1a	BONNET	WCB	ASTM A216 Gr.WCB	12	BUSHING NUT	ST	ASTM A307.B
2	BODY SEAT RING	ST	ASTM A105	12a	FLANGE	ST	STEEL
2a	Body Seat FACE	Cr13	AWS ER420	12b	BOLT	B	ASTM A307.B
3	WEDGE (*)	WCB	ASTM A216 Gr.WCB	13	GASKET	NASF	Non Asbestos S.Fb.
3a	Wedge Seat FACE	Cr13	AWS ER420	14	STUD BOLT	B7	ASTM A193 Gr.B7
4	STEM	Cr13	ASTM A276 T.410	15	NUT	2H	ASTM A194 Gr.2H
5	BACK RING	Cr13	ASTM A276 T.410	16	GREASE FITTING	ST	STEEL
5a	Back Ring FACE	INTEGRAL		16a	SET SCREW	B	ASTM A307.B
6	PACKING	GRF	GRAPHITE	17	HANDWHEEL	DI	ASTM A536
7	GLAND	CR13	ASTM A276 T.410	17a	WHEEL NUT	ST	ASTM A307.B
7e	WHASHER	ST	STEEL	18	NAME PLATE	SP	STAINLESS PLATE
8	GLAND FLANGE	WCB	ASTM A216 Gr.WCB	19	PAINT	EP	EPOXY
9	GLAND BOLT	B	ASTM A307.B	19a	END COVER	PVC	PLASTIC
10	GLAND NUT	B	ASTM A307.B				

(*) Material CR13 (ASTM A217 Gr.CA15) for 8" and smaller

DESIGN STD.: API 600 & ASME B16.34 FACE to FACE STD.: ANSI B16.10 & ISO 5752-T3 FLANGE STD.: ANSI B16.5 & ISO 7005-PN20 MAT'L ID.: WCB TRIM ID: Cr13-Cr13-Cr13

Rep.:T. AKYÜREK Che.:K.KORKMAZ Appr.:N.ERGIN Rev.No / Date:R7 / 01.04.2009 Description: Doc No.:E510.11-9R0 Attach: Page&Scale:1/1 A4 Origin:DES

