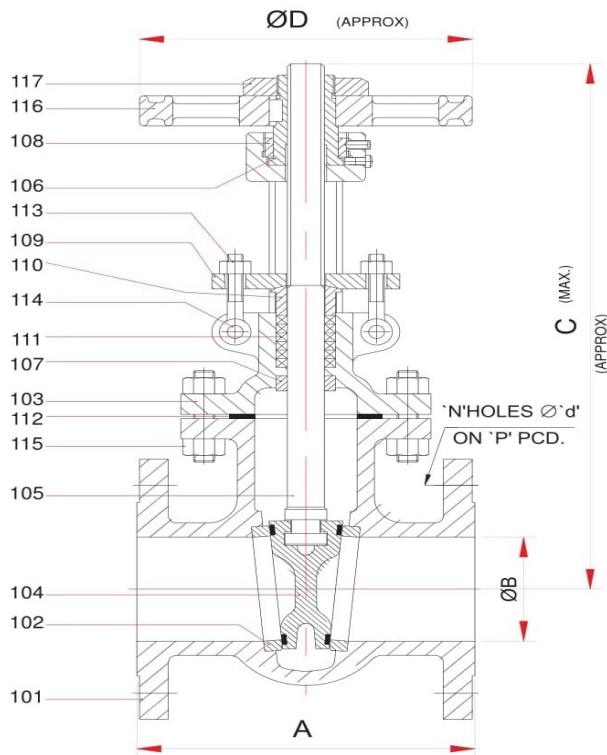


Gate Valve



CONFORMITY TO CODES & STANDARDS

1. General Design :- API 600
2. Testing :- API 598
3. Type :- BOLTED BONNET, OS & Y, FLEXIBLE WEDGE.
4. Rating :- CLASS 150,300,600
5. Face to Face :- ASME B 16.10
6. Pressure & Temperature Rating :- ASME B 16.34 (STANDARD CLASS)
7. Flange Standard Conformity :- ASME B 16.5

DIMENSION TABLE 150#						DIMENSION TABLE 300#					
SIZE		A	B	C(MAX.)	D	SIZE		A	B	C(MAX.)	D
MM	INCH					MM	INCH				
50	2"	178	52	370	200	50	2"	216	52	390	200
80	3"	203	76	445	250	80	3"	282	76	465	250

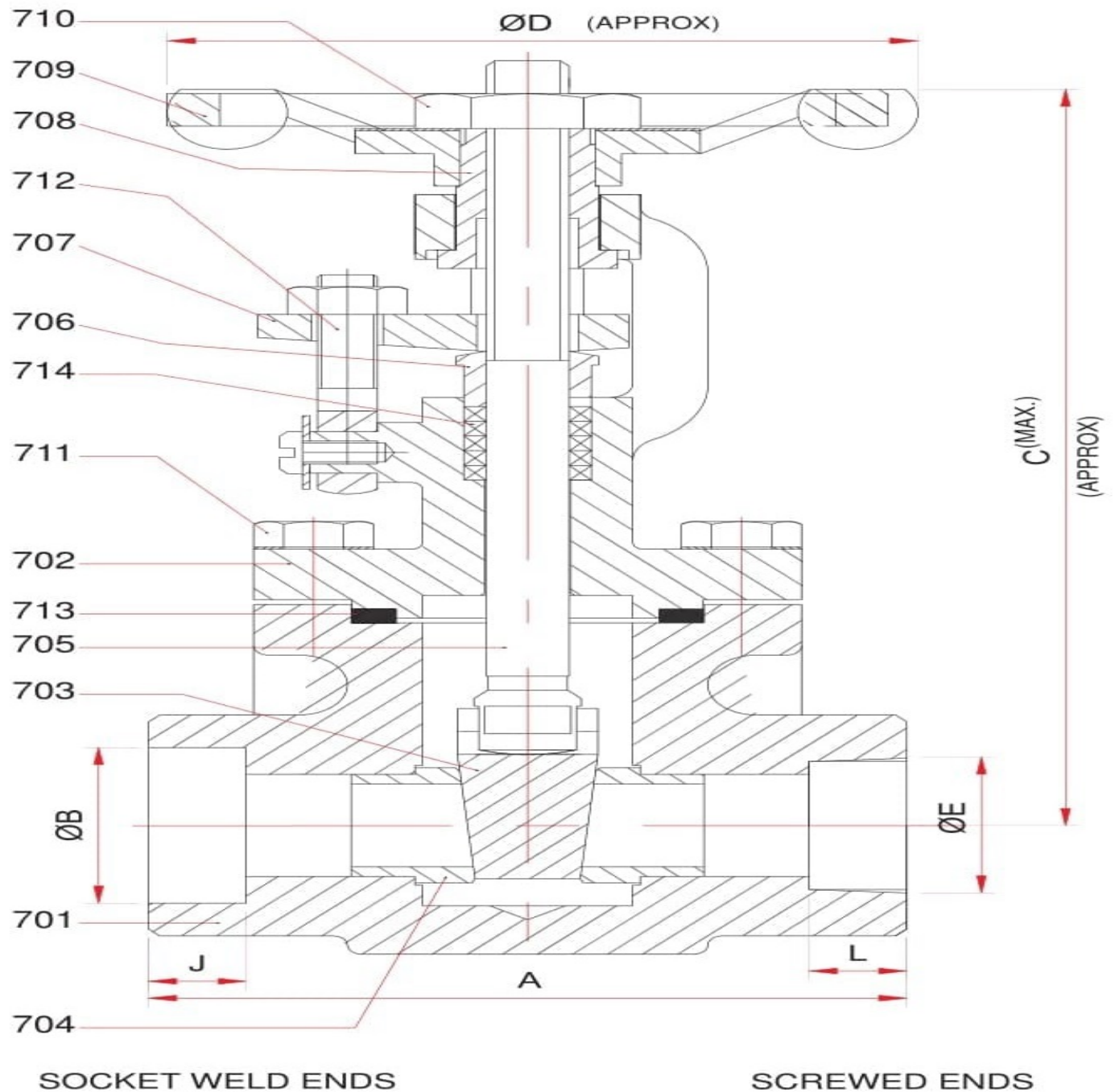
100	4"	229	102	540	250	100	4"	305	102	550	250
150	6"	267	152	750	355	150	6"	403	152	770	355
200	8"	292	203	950	455	200	8"	419	203	960	455
250	10"	330	254	1120	455	250	10"	457	254	1160	510
300	12"	356	305	1315	510	300	12"	502	305	1340	510

DIMENSION TABLE 600#					
SIZE		A	B	C(MAX.)	D
MM	INCH				
50	2"	290	52	395	200
80	3"	357	76	482	250
100	4"	433	102	590	355
150	6"	559	152	825	510
200	8"	660	203	1015	510
250	10"	787	254	1202	510
300	12"	838	298	1365	610

TESTING		
PRESSURE RATING	HYDROSTATIC SHELL TEST	HYDROSTATIC SEAT TEST
	Kg/CM2	Kg/CM2
150#	31.5	22
300#	79	58
600#	157.5	114

MATERIALS				
SR.NO.	PARTS NAME	MATERIALS		
101	BODY	A216-WCB	A351-CF8	A351-CF8M
102	SEAT RING	A105+13%Cr	A351-CF8	A351-CF8M
103	BONNET	A216-WCB	A351-CF8	A351-CF8M
104	WEDGE	A217-CA15	A351-CF8	A351-CF8M
105	STEM	A276-410	A351-CF8	A276-316
106	SEAT NUT	ASTM A439-D2		
107	BACK SEAT NUT	A276-410	A276-304	A276-316
108	BONNET BUSH	C15		
109	GLAND FLANGE	WCB	SS 304	SS 316
110	GLAND BUSH	A276-410	A276-304	A276-316
111	STEM PACKING	GRAPHITE RINGS (BRAIDED&MOULDED)		
112	GASKET	SS+GRAPHITE FILLED		
113	EYE BOLT EITH NUT	A307-Gr.B	F304	F304
114	EYE BOLT PIN	A276-410	A276-410	A276-410
115	FULL THREAD STUD WITH 2HEAVY NUTS	A193-B7/A194-2H	A193-BB/A194-B	A193-BBM/A194-8M
116	HAND WHEET	DI / CS		
117	HAND WHEET LOCK NUT	C15		

Forged Steel Gate Valve



CONFORMITY TO CODES & STANDARDS

1. General Design :- API 602 / BS 5352
2. Testing :- API 598/BS 6755(Part-1)
3. Type :- BOLTED BONNET, OS & Y, FLEXIBLE WEDGE.
4. Rating :- CLASS 800
5. Face to Face :- AS SHOWN
6. End Connection :- SCREW ENDS TO BSP / BSPT / NPT

SOCKET WELD ENDS TO ANSI B16.11

DIMENSION TABLE 800#									
SIZE		A	C	D	SCREWED ENDS		SOCKET WELD ENDS		
MM	INCH				E	L	B		J MIN.
							MAX.	MIN.	
15	1/2"	85	165	90	1/2"	13.56	22.22	21.72	9.65
20	3/4"	92	176	90	3/4"	13.87	27.56	27.05	12.7
25	1"	105	198	90	1"	17.35	34.29	33.78	12.7
40	1 1/2"	127	278	145	1 1/2"	18.38	49.15	48.64	12.7
50	2"	140	298	145	2"	19.23	61.62	61.11	15.75

MATERIALS OF CONSTRUCTION				
SR.NO.	PARTS NAME	MATERIALS		
701	BODY	A 105	F 304	F 316
702	BONNET	A 105	F 304	F 316
703	WEDGE	AISI 410	AISI 304	AISI 316
704	SEAT RINGS	AISI 410	AISI 304	AISI 316
705	SPINDLE	AISI 410	AISI 304	AISI 316
706	GLAND BUSH	AISI 410	AISI 304	AISI 316
707	GLAND FLANGE	A 105	F 304	
708	YOKE SLEEVE	ASTM A 439 Gr. D2/AL-BRONZE		
709	HAND WHEEL	CAST ATEEL /M.I		
710	HAND WHEET NUT	Gr.2h		

711	STUD & NUT	B7/2H	B8/8 OR B7/2H
712	EYE BOLT & NUT	B7/2H	B8/8
713	GASKET	SPW S.S 304/316 WITH CAF/GRAFOIL	
714	GLAND PACKING	GRAPHITE ASBESTOS INHIB, & INCONEL WIRE REIN.	

Knife Type Gate Valves

