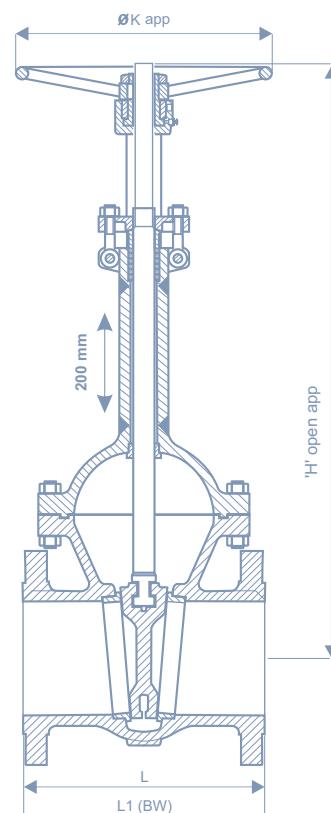
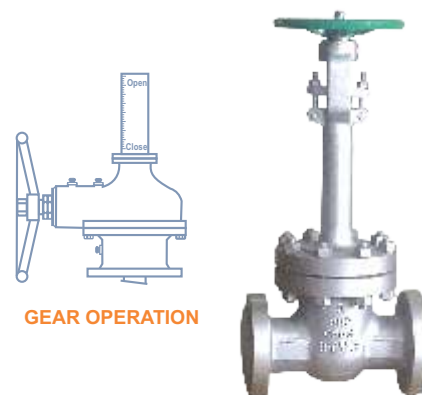


**GATE VALVE EXTENDED BONNET CLASS 300/600
API 600 / ASME AB16.34**

MATERIAL SPECIFICATIONS

NO.	Part Name	Material		
1.	Body	WCB / A105	WC6	CF8/ CF8M
2.	Bonnet	WCB / A105	WC6	CF8/ CF8M
3.	Yoke 1	WCB / A105	WC6	CF8/ CF8M
4.	Wedge	13%Cr. Facing on WCB	13%Cr. Facing on WC6	CF8/ CF8M
5.	Seats Ring 2	CA15/13%Cr.+ Stellited	S.S 304+ Stellited	CF8/CF8M Stellited
6.	Back Seat	T410		Integral
7.	Spindle	T410		T304/ T31
8.	Gland Bush	T410		T304/ T31
9.	Gland Flange	Carbon Steel / WCB		S.S 304
10.	Yoke Seleeve	ASTM A 439 Gr.D2/ AL-Bronze		
11.	Yoke Nut	WCB	WCB/WC6	CF8/ CF8M
12.	Hand Wheel	Carbon Steel / M.I.		
13.	Hand Wheel Nut	Carbon Steel		S.S 304
14.	Stud & Nut	B7/ 2H	B16/7	B7/2H
15.	Eye Bolt & Nut	B7 /2H		B8/8
16.	Casing Stud & Nut	B7 /2H		B8/2H
17.	Cross Bolt & Nut	B7 /2H		B8/8
18.	Gasket	Spiral Wound S.S. 304/ S.S 316 With ASB/GRAF		
19.	Gland Packing	Graphite ASB. INHIB. & Inconel Wire REIN.		
20.	Grease Nipple	Brass /Steel		
21.	Name Plate	Aluminum		
22.	Bearing	Standard		



DIMENSION CHART CLASS 600#

Valve Size in mm	2 50	2.5 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300	14 350	16 400	18 450
L	11.5 292	13.0 330	14.0 356	17.0 432	20.0 508	22.0 559	26.0 660	31.0 787	33.0 838	35.0 889	39.0 991	43.0 1092
L 1	11.5 292	13.5 330	14.0 356	17.0 432	20.0 508	22.0 559	26.0 660	31.0 787	33.0 838	35.0 889	39.0 991	43.0 1092
H app	610	685	760	905	1000	1095	1375	1650	1785	2075	2200	2390
oK app	250	250	350	450	500	500	600	680	760	760	760	760
Wt. kg app (F/E)	38	56	72	136	170	245	432	780	835	1190	1690	2010

DIMENSION CHART 300#

Valve Size in mm	2 50	3 80	4 100	5 125	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	22 550	24 600
L	8.5 216	11.2 282.5	12.0 305	15.0 381	15.88 403	16.5 419	18.0 487	19.8 502	30.0 762	33.0 838	36.0 914	39.0 991	43.0 1092	45.0 1143
L 1	8.5 216	11.12 282.5	12.0 305	15.0 381	15.88 403	16.5 419	18.0 457	19.8 502	30.0 762	33.0 838	36.0 914	39.0 991	43. 1092	45.0 1143
H app	610	685	815	925	1035	1215	1480	1750	1970	2150	2410	2700	2820	3150
øK app	200	250	300	350	350	450	500	500	600	600	680	760	760	760
Wt. kg app (F/E)	32	55	80	100	150	225	350	480	745	1060	1325	1725	1900	2570

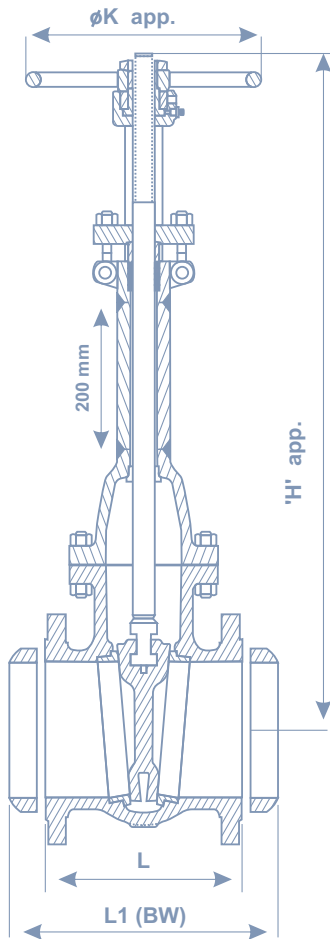
TESTING DETAIL

Shell	157
Seat	114
Seat Air Test :	

**TESTING DETAIL
Hydrotest {KG/CM^2}**

Shell	79
Seat	58
Seat Air Test :	7

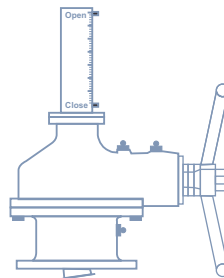
GATE VALVE EXTENDED BONNET CLASS 150
API 600 / ASME AB16.34



NOTE: SEPARATE YOKE 10"NB AND ABOVE
SEAL WELD 20"NB AND ABOVE
INTEGRAL BACK SEAT FOR AUSTENITIC STEEL VALVES.
SEAT AND WEDGE STELLITING OPTIONAL

MATERIAL SPECIFICATIONS

NO.	Part Name	Material		
1.	Body	WCB / A105	WC6	CF8/ CF8M
2.	Bonnet	WCB / A105	WC6	CF8/ CF8M
3.	Yoke 1	WCB / A105	WC6	CF8/ CF8M
4.	Wedge	13%Cr. Facing on WCB	13%Cr. Facing on WC6	CF8/ CF8M
5.	Seats Ring 2	CA15/13%Cr.+ Stellited	S.S 304+ Stellited	CF8/CF8M Stellited
6.	Back Seat	T410		Integral
7.	Spindle	T410		T304/ T31
8.	Gland Bush	T410		T304/ T31
9.	Gland Flange	Carbon Steel / WCB		S.S 304
10.	Yoke Seleeve	ASTM A 439 Gr.D2/ AL-Bronze		
11.	Yoke Nut	WCB	WCB/WC6	CF8/ CF8M
12.	Hand Wheel	Carbon Steel / M.I.		
13.	Hand Wheel Nut	Carbon Steel		S.S 304
14.	Stud & Nut	B7/ 2H	B16/7	B7/2H
15.	Eye Bolt & Nut	B7 /2H		B8/8
16.	Casing Stud & Nut	B7 /2H		B8/2H
17.	Cross Bolt & Nut	B7 /2H		B8/8
18.	Gasket	Spiral Wound S.S. 304/ S.S 316 With ASB/GRAF		
19.	Gland Packing	Graphite ASB. INHIB. & Inconel Wire REIN.		
20.	Grease Nipple	Brass /Steel		
21.	Name Plate	Aluminum		
22.	Bearing	Standard		



GEAR OPERATION

TESTING DETAIL

Hydrotest {KG/CM^2}

Shell	31
Seat	22
Seat Air Test :	7

DIMENSION CHART 150#

Valve Size in mm	2 50	3 80	4 100	5 125	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	22 550	24 600	26 650
L	7.0 178	8.0 203	9.0 229	10.0 254	10.5 267	11.5 292	13.0 330	14.0 356	15.0 381	16.0 406	17.0 432	18.0 457	19.0 483	20.0 508	22.0 559
L 1	8.5 216	11.12 282.5	12.0 305	15.0 381	15.9 403	16.5 419	18.0 457	19.8 502	22.5 572	24.0 610	26.0 660	28.0 711	30.0 762	32.8 813	35.5 902
H app	600	685	800	925	965	1185	1470	1645	1800	2075	2300	2210	2650	3050	3300
øK app	200	250	250	300	300	350	450	500	559	559	610	610	660	660	711
Wt. kg app (F/E)	20	33	55	70	90	130	225	330	450	530	625	825	1150	1210	1415