ASTAM VALVE

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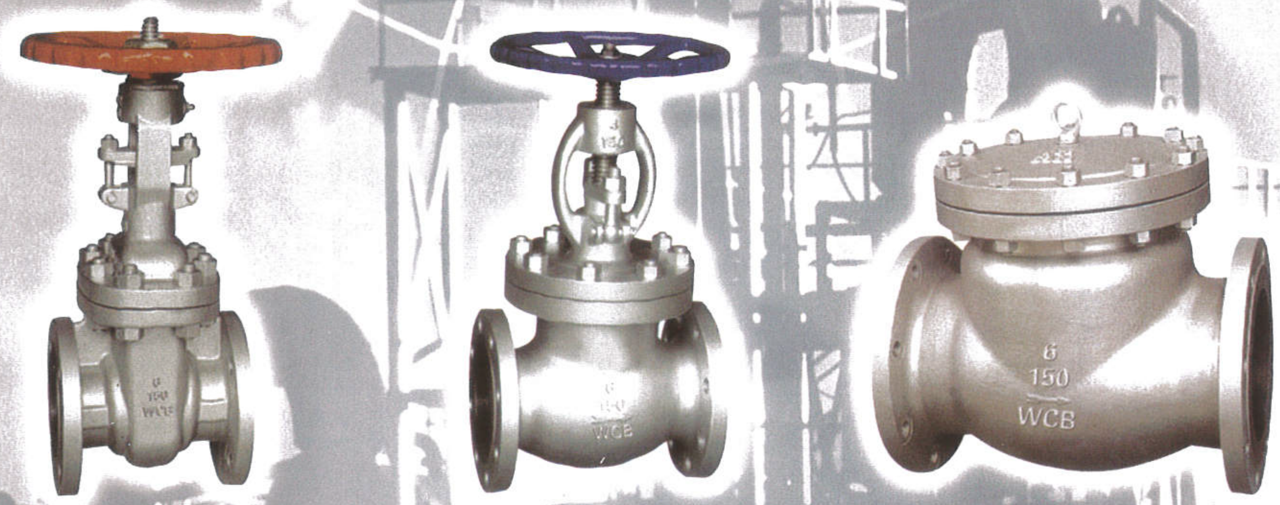
Catalogue No.: TB-91-1 140815-E3

ASTAM VALVE

CAST STEEL 鑄鋼
CAST STAINLESS 鑄不銹鋼



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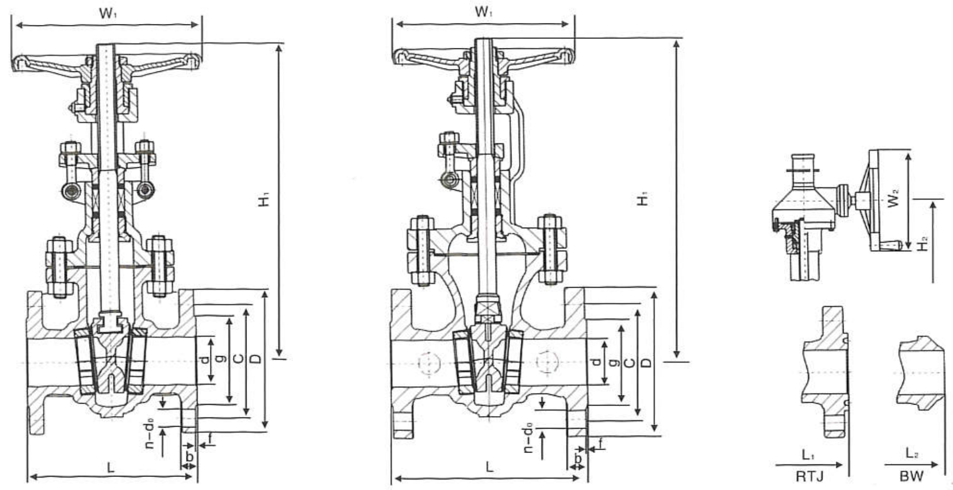
參考資料

API GATE VALVE,CLASS 150, 300Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
150	3.1	2.2	0.6	2.2
300	7.8	5.0	0.6	5.6

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 600	API 598	ANSI B 16.34	ANSI B 16.5 NPS>24 inches,ASME B 16.47	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

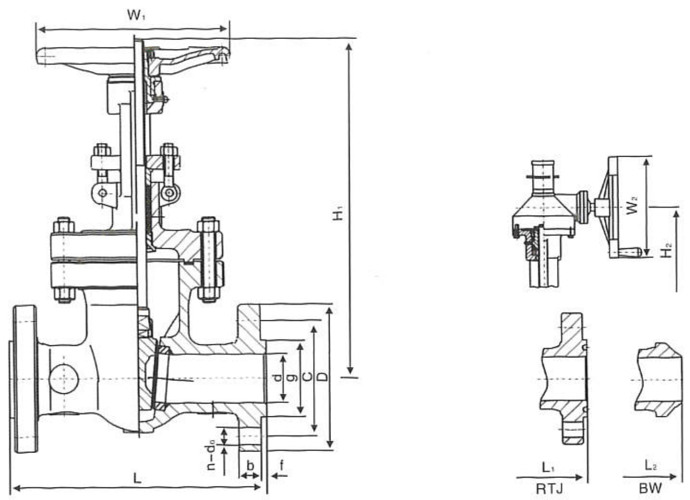
API GATE VALVE,CLASS 150, 300Lb

PERFORMANCE SPECIFCATIONS

150Lb														Weighe kg	
NPS inch	Dimensions mm													Hand Whest	Bevel Gear
	d	L/L1	L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	51	178	216	152	120.5	92	16	1.6	4-19	323	200			23	
2½	64	190	214	178	139.5	105	18		4-19	347	250			32	
3	76	203	283	190	152.5	127	19		4-19	383	250			40	
4	102	229	305	229	190.5	157	24		8-19	457	300			63	
5	125	254	381	254	216	186	24		8-22	632	300			66	
6	152	267	403	279	241.5	216	26		8-22	535	350			108	
8	203	292	419	343	298.5	270	29		8-22	762	350			171	
10	254	330	457	406	362	324	31		12-25	895	400			263	
12	305	356	502	483	432	381	32		12-25	1080	500	1127	450	346	409
14	337	381	572	533	476	413	35		12-29	1295	600	1340	450	488	551
16	387	406	610	597	540	470	37		16-29	1435	600	1489	450	621	687
18	438	432	660	635	578	533	40		16-32	1626	650	1718	550	814	932
20	489	457	711	698	635	584	43		20-32	1829	650	1921	550	992	1109
24	591	508	813	813	749.5	692	48		20-35	2175	700	2267	550	1492	1610
28	695	610	914	927	863.5	800	71		28-35			2628	600	2032	2277
30	746	610	914	984	914.5	857	75		28-35			2803	600	2272	2530
32	797	660	965	1060	978	914	81		28-41			3396	600	2480	2725
36	899	711	1016	1168	1086	1022	90		32-41			3844	600	3310	3558

300Lb														Weighe kg	
NPS inch	Dimensions mm													Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2			
2	51	216	165	127	92	22	1.6	8-19	330	250					
2½	64	241	190	149	105	25		8-22	368	250				30	
3	76	283	210	168.5	127	29		8-22	394	300				36	
4	102	305	254	200	157	32		8-22	473	300				61	
5	125	381	279	235	186	35		8-22	680	350				77	
6	152	403	318	270	216	37		12-22	711	350				106	
8	203	419	381	330	270	41		12-25	813	400				153	
10	254	457	444	387.5	324	48		16-29	1003	500				286	
12	305	502	521	451	381	51		16-32	1137	600	1184	450		576	639
14	337	762	584	514.5	413	54		20-32	1489	600	1536	450		886	949
16	387	838	648	571.5	470	57		20-35	1589	650	1673	550		1175	1293
18	438	914	711	628.5	533	60		24-35	2071	850	2109	550		1301	1419
20	489	991	775	686	584	64		24-35	2228	900	2336	600		1672	1917
24	591	1143	914	816	692	70		24-41	2650	1100	2758	600		2562	2807
28	695	1346	1035	940	800	86		28-44							
30	746	1397	1092	997	857	92		28-48							
32	797	1524	1149	1054	914	99		28-51							
36	899	1727	1270	1168.5	1022	105		32-54							

API GATE VALVE,CLASS 600, 900Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
600	15.3	11.2	0.6	11.2
900	23.1	16.8	0.6	16.8

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 600	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

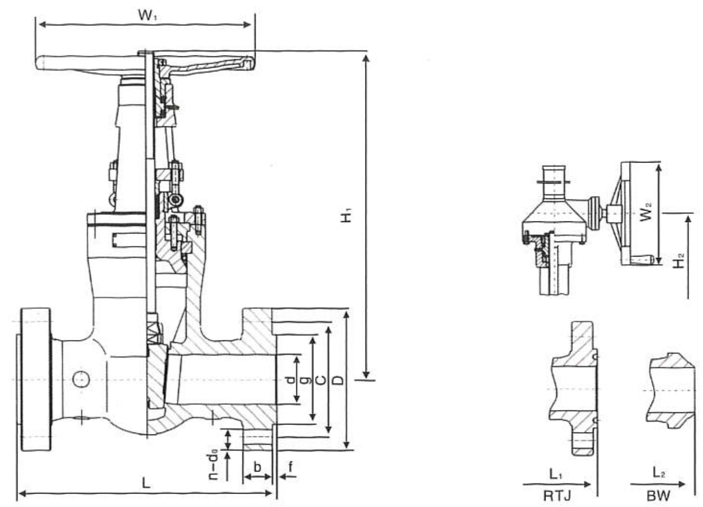
API GATE VALVE,CLASS 600, 900Lb

PERFORMANCE SPECIFCATIONS

600Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	$n-d_0$	H_1	W_1	H_2	W_2		
2	51	292	165	127	92	33		8-19	510	250			44	
2½	64	330	190	149	100	36		8-22	554	250			60	
3	76	356	210	168	127	39		8-22	595	300			80	
4	102	432	273	216	157	45		8-25	712	350			145	
5	125	508	330	266.5	186	52		8-29	826	400			236	
6	152	559	356	292	216	55		12-29	995	500			309	
8	200	660	419	349	270	63	6.4	12-32	1157	600	1204	450	522	585
10	248	787	508	432	324	71		16-35	1373	700	1420	450	779	842
12	298	838	559	489	281	74		20-35	1603	700	1650	450	1108	1171
14	327	889	603	527	413	77		20-38	1930	800	2022	550	1503	1621
16	375	991	686	603	470	84		20-41	2032	900	2124	550	1939	2057
18	419	1092	743	654	533	90		20-44	2286	900	2394	600	2733	2978
20	464	1194	813	724	584	96		24-44	2591	1100	2697	600	3214	3459
24	559	1397	940	838	692	109		24-52	3124	1100	3232	600	4177	4422

900Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	$n-d_0$	H_1	W_1	H_2	W_2		
2	47	368	216	165	92	38.5		8-26	590	250			59	
2½	57	419	244	190.5	105	41.5		8-29	700	300			79	
3	73	381	241	190.5	127	38.5		8-26	740	350			115	
4	98	457	292	235	157	44.5		8-32	870	450			198	
5	121	559	349	279.5	186	51		8-35	970	500			285	
6	146	610	381	317.5	216	56		12-32	1120	500			407	
8	190	737	470	393.5	270	63.5	6.4	12-39	1390	600	1437	450	725	788
10	238	838	545	470	324	70		16-39	1592	750	1639	450	1091	1154
12	282	965	610	533.5	381	79.5		20-39	1765	850	1812	450	1629	1692
14	311	1029	640	559	413	86		20-42	2025	850	2117	550	2161	2279
16	356	1130	705	616	470	89		20-45	2175	950	2267	550	3197	3315
18	400	1219	785	686	533	102		20-51	2510	950	2618	600	4409	4654
20	444	1321	855	749	584	108		20-54	2750	1000	2858	600	6063	6308
24	533	1540	1040	902	692	140		20-67	3240	1000	3348	600	7937	8182

API GATE VALVE,CLASS 900, 1500, 2500Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
900	23.1	16.8	0.6	16.8
1500	39.0	28.5	0.6	28.5
2500	64.6	47.4	0.6	47.4

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 600	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

ASTAM VALVE

API GATE VALVE,CLASS 900, 1500, 2500Lb

PERFORMANCE SPECIFCATIONS

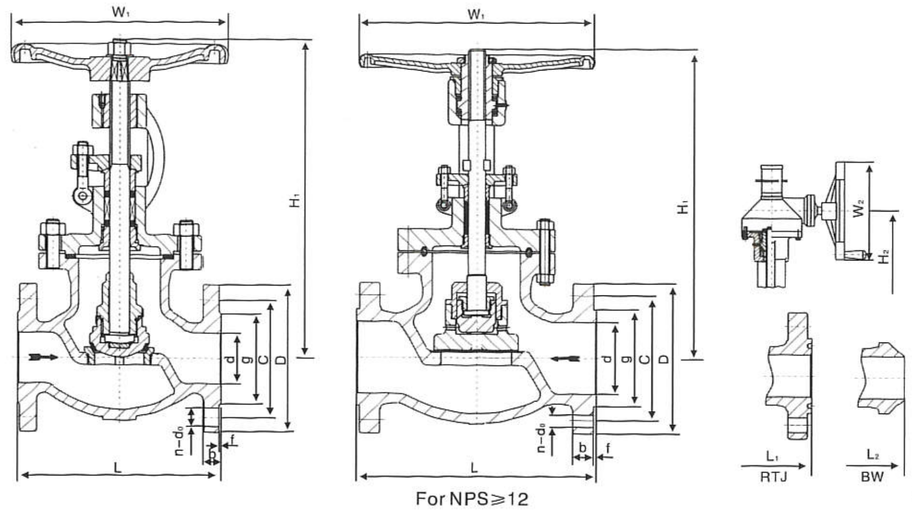
900Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	47	368	216	165	92	38.5		8-26	365	250			50	
2½	57	419	244	190.5	105	41.5		8-29	398	250			72	
3	73	381	241	190.5	127	38.5		8-26	475	300			107	
4	98	457	292	235	157	44.5		8-32	545	350			211	
5	121	559	349	279.5	186	51		8-35	610	400			350	
6	146	610	381	317.5	216	56		12-32	695	450			424	
8	190	737	470	393.5	270	63.5	6.4	12-39	770	500	817	450	527	590
10	238	838	545	470	324	70		16-39	880	600	927	450	589	652
12	282	965	610	533.5	281	79.5		20-39	1022	600	1069	550	747	810
14	311	1029	640	559	413	86		20-42	1122	750	1214	550	912	1030
16	356	1130	705	616	470	89		20-45	1238	750	1330	550	1288	1400
18	400	1219	785	686	533	102		20-51	1456	900	1564	600	1819	2063
20	444	1321	855	749	584	108		20-54	1524	950	1632	600	2535	2780
24	533	1540	1040	902	692	140		20-67	1698	950	1806	700	4025	4270

1500Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	47	368	216	165	92	38.5		8-26	394	400			66	
2½	57	419	244	190.5	105	41.5		8-29	432	400			59	
3	70	470	267	203	127	48		8-32	588	450			123	
4	92	546	311	241.5	157	45		8-35	645	550			221	
5	111	673	375	292	186	73.5		8-42	732	600			367	
6	136	705	394	317.5	216	83		12-39	814	600			448	
8	178	832	483	393.5	270	93	6.4	12-45	928	750	975	450	547	610
10	222	911	585	482.5	324	108		12-51	1038	750	1085	450	624	687
12	263	1130	675	571.5	281	124		16-54	1173	900	1220	600	921	984
14	289	1257	750	635	413	133.5		16-61	1283	950	1375	600	1149	1267
16	330	1384	825	705	470	146.5		16-67	1383	950	1475	750	1545	1633
18	371	1537	915	774.5	533	162		16-74	1597	1100	1705	750	2140	2385
20	418	1664	985	832	584	178		16-80	1747	1350	1855	750	2942	3187
24	498	1943	1170	990.5	692	203.5		16-93	1977	1350	2385	900	4565	4910

2500Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	38	451	235	171.5	92	51		8-29	486	450			83	
2½	47	508	267	197	105	57.5		8-32	541	450			100	
3	57	578	305	228.5	127	67		8-35	613	450			133	
4	73	673	356	273	157	76.5		8-42	696	550			183	
5	92	794	419	324	186	92.5	6.4	8-48	789	600			354	
6	111	914	483	368.5	216	108		8-54	873	750	920	450	517	850
8	146	1022	550	438	270	127		12-54	898	850	945	450	585	648
10	184	1270	675	539.5	324	165.5		12-67	1088	900	1180	750	968	1086
12	219	1422	760	619	381	184.5		12-74	1188	900	1280	750	1278	1390

ASTAM VALVE

API GLOBE VALVE,CLASS 150, 300Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
150	3.1	2.2	0.6	2.2
300	7.8	5.0	0.6	5.6

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	BS 1873 API 600	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

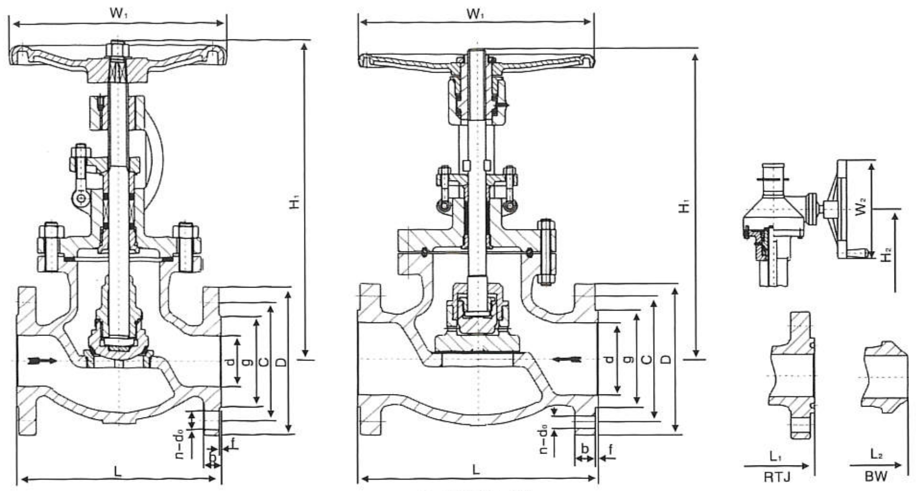
API GLOBE VALVE,CLASS 150, 300Lb

PERFORMANCE SPECIFCATIONS

150Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	51	203	152	120.5	92	16		4-19	386	200			18	
2½	64	216	178	139.5	105	18		4-19	387	200			30	
3	76	241	190	152.5	127	19		4-19	411	250			41	
4	102	292	229	190.5	157	24		8-19	454	250			64	
5	125	356	254	216	186	24		8-22	455	350			86	
6	152	406	279	241.5	216	26		8-22	541	350			113	
8	203	495	343	298.5	270	29	1.6	8-22	651	450			115	
10	254	622	406	362	324	31		12-25	800	450	847	450	178	271
12	305	698	483	432	281	32		12-25	1231	500	1278	450	264	327
14	337	787	533	476	413	35		12-29	1450	600	1497	450	370	433
16	387	914	597	540	470	37		16-29	1645	600	1737	550	500	618
18	438	978	635	578	533	40		16-32	1870	600	1962	550	800	918
20	489	978	698	635	584	43		20-32	1929	650	2021	550	1123	1141

300Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L1L2	D	C	g	b	f	n-do	H1	W1	H2	W2		
2	51	267	165	127	92	22		8-19	399	200			25	
2½	64	292	190	149	105	25		8-22	438	250			30	
3	76	318	210	168.5	127	29		8-22	464	300			35	
4	102	356	254	200	157	32		8-22	565	350			56	
5	125	400	279	235	186	35		8-22	614	400			96	
6	152	444	318	270	216	37	1.6	12-22	717	450			120	
8	203	559	381	330	270	41		12-25	930	500			212	
10	254	622	446	387.5	324	48		16-29	1012	500	1059	450	330	393
12	305	711	521	451	381	51		16-32	1231	550	1278	450	472	535
14	337	762	584.	514.5	413	54		200-32	1450	600	1497	450	715	778
16	387	864	648	571.5	470	57		20-35	1645	600	1737	550	920	1038

API GLOBE VALVE,CLASS 600, 900, 1500Lb



For NPS≥10

PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
600	15.3	11.2	0.6	11.2
900	23.1	16.8	0.6	16.8
1500	39.0	28.5	0.6	28.5

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	BS 1873 API 600	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

API GLOBE VALVE,CLASS 600, 900, 1500Lb

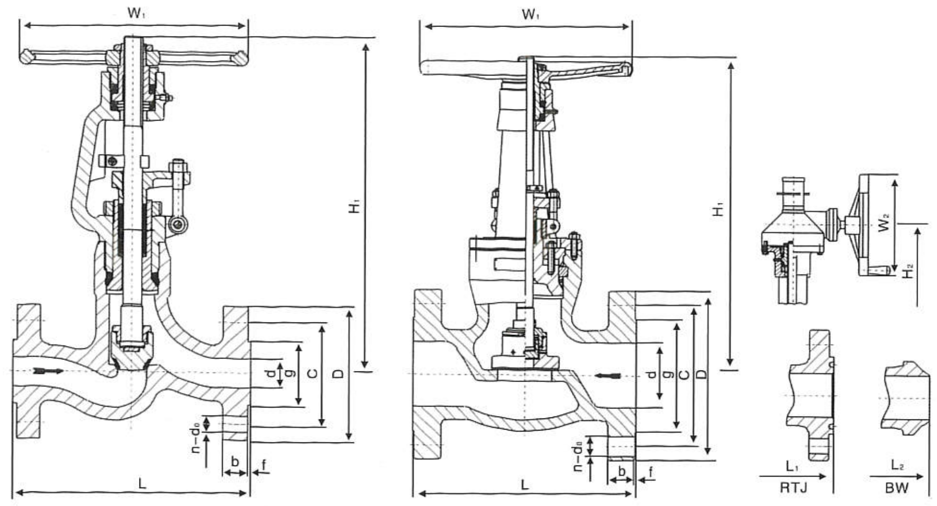
PERFORMANCE SPECIFCATIONS

600Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	n-do	H_1	W_1	H_2	W_2		
2	51	292	165	127	92	33		8-19	430	200			35	
2½	64	330	190	149	100	36		8-22	480	250			50	
3	76	356	210	168	127	39		8-22	530	250			60	
4	102	432	273	216	157	45		8-25	650	350			110	
5	125	508	330	266.5	186	52		8-29	750	350			200	
6	152	559	356	292	216	55	6.4	12-29	850	450			230	
8	200	660	419	349	270	63		12-32	1050	500	1097	450	410	473
10	248	787	508	432	324	71		16-35	1257	600	1304	450	625	688
12	298	838	559	489	281	74		20-35	1468	700	1515	450	860	923
14	327	889	603	527	413	77		20-38	1623	750	1715	550	1300	1418
16	375	991	686	603	470	84		20-41	1816	750	1908	550	1590	1708

900Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	n-do	H_1	W_1	H_2	W_2		
2	47	368	216	165	92	38.5		8-26	569	300			65	
2½	57	419	244	190.5	105	415		8-29	569	300			75	
3	73	381	241	190.5	127	38.5		8-26	604	350			105	
4	98	457	292	235	157	44.5	6.4	8-32	708	450			165	
5	121	559	349	279.5	186	51		8-35	708	550			260	
6	146	610	381	317.5	216	56		12-32	890	650	937	450	330	393
8	190	737	470	393.5	270	63.5		12-39	1240	700	1287	450	690	753
10	238	838	545	470	324	70		16-39	1651	750	1698	450	1300	1363

1500Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	n-do	H_1	W_1	H_2	W_2		
2½	57	419	224	190.5	105	42		8-29	461	400			65	
3	66	470	261	203	127	48		8-32	554	450			95	
4	87	546	311	241	157	54	6.4	8-35	639	500			155	
5	108	673	375	292	186	74		8-42	780	550			240	
6	128	705	394	318	216	83		12-39	904	650	951	450	400	463
8	175	832	483	394	270	93		12-45	1140	750	1187	450	640	703

API GLOBE VALVE,CLASS 900, 1500, 2500Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
900	23.1	16.8	0.6	16.8
1500	39.0	28.5	0.6	28.5
2500	64.6	47.4	0.6	47.4

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	BS 1873 API 600	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

API GLOBE VALVE,CLASS 900, 1500, 2500Lb

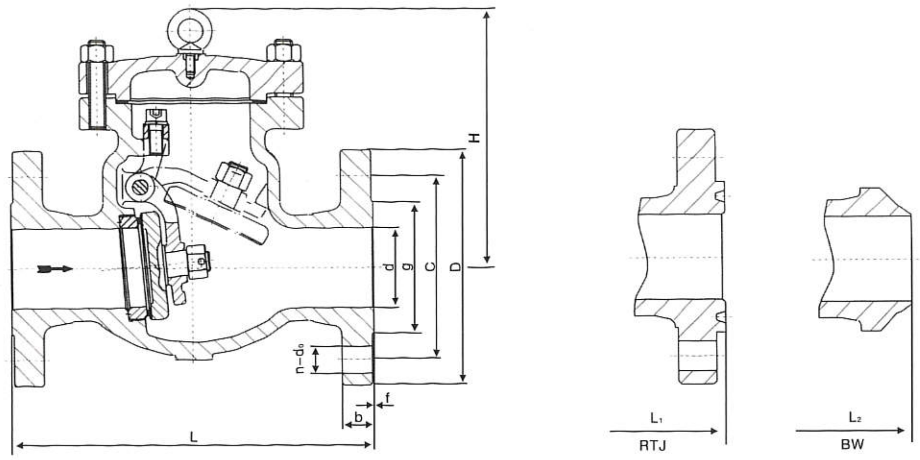
PERFORMANCE SPECIFCATIONS

900Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	$n\text{-}d_0$	H_1	W_1	H_2	W_2		
2	47	368	216	165	92	38.5		8-26	749	350			107	
2½	57	419	244	190.5	105	415		8-29	784	400			125	
3	73	381	241	190.5	127	38.5		8-26	819	450			146	
4	98	457	292	235	157	44.5	6.4	8-32	908	500			225	
5	121	559	349	279.5	186	51		8-35	994	550			308	
6	146	610	381	317.5	216	56		12-32	1105	600			405	
8	190	737	470	393.5	270	63.5		12-39	1324	700	1371	450	695	758

1500Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	$n\text{-}d_0$	H_1	W_1	H_2	W_2		
2	47	368	216	165	92	38.5		8-26	462	400			113	
2½	57	419	244	190.5	100	41.5		8-29	797	450			134	
3	70	470	267	203	127	48		8-32	848	500			153	
4	92	546	311	241.5	157	54	6.4	8-35	940	550			245	
5	111	673	375	292	186	73.5		8-42	1035	600			303	
6	136	705	394	317.5	216	83		12-39	1162	700	1209	450	435	498
8	178	832	483	393.5	270	93		12-45	1365	800	1412	450	682	745

2500Lb													Weighe kg	
NPS inch	Dimensions mm												Hand Whest	Bevel Gear
	d	L/L_1L_2	D	C	g	b	f	$n\text{-}d_0$	H_1	W_1	H_2	W_2		
2	38	451	235	171.5	92	51		8-29	787	450			132	
2½	47	508	267	197	105	57.5		8-32	813	500			165	
3	57	578	305	228.5	127	67		8-35	876	550			225	
4	73	673	356	273	157	76.5	6.4	8-42	1026	600			298	
5	92	794	419	324	186	92.5		8-48	1168	700			470	
6	111	914	483	368.5	216	108		8-54	1283	800	1330	450	585	648

API SWING CHECK VALVE,CLASS 150, 300Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
150	3.1	2.2	0.6	2.2
300	7.8	5.0	0.6	5.6

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 6D BS 1868	API 598	ANSI B 16.34	ANSI B 16.5 NPS>24 inches,ASME B 16.47	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

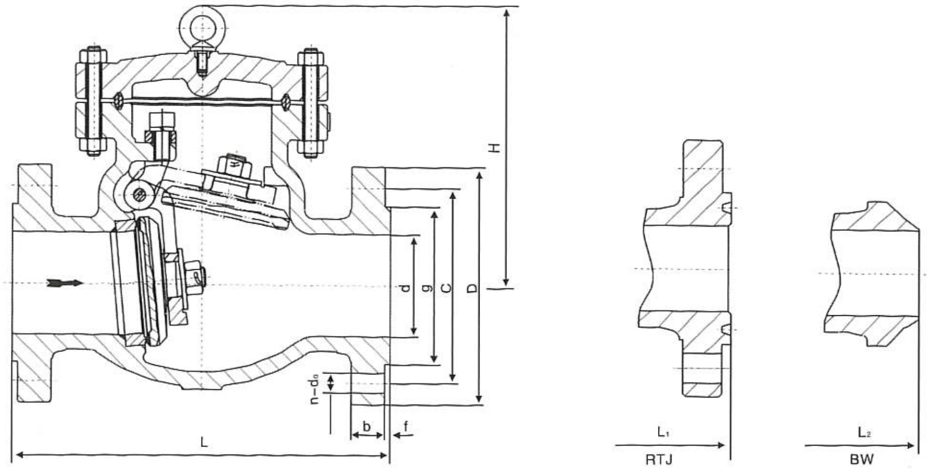
API SWING CHECK VALVE,CLASS 150, 300Lb

PERFORMANCE SPECIFCATIONS

150Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-do	H	
2	51	203	152	120.5	92	16	1.6	4-19	161	17
2½	64	216	178	139.5	100	18		4-19	180	23
3	76	241	190	152.5	127	19		4-19	190	33
4	102	292	229	190.5	157	24		8-19	203	44
5	125	330	254	216	186	24		8-22	229	62
6	152	356	279	241.5	216	26		8-22	257	78
8	203	495	343	298.5	270	29		8-22	292	137
10	254	622	406	362	324	31		12-25	355	207
12	305	698	483	432	281	32		12-25	396	279
14	337	787	533	476	413	35		12-29	445	387
16	387	914	597	540	470	37		16-29	490	446
18	438	978	635	578	533	40		16-32	520	621
20	489	978	698	635	584	43		20-32	546	770
24	591	1295	813	749.5	692	48		20-35	880	970
28	695	1448	927	863.5	800	71		28-35	935	1600
30	746	1524	984	914.5	857	75		28-35	970	1990

300Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-do	H	
2	51	267	165	127	92	22	1.6	8-19	178	20
2½	64	292	190	149	105	25		8-22	190	24
3	76	318	210	168.5	127	29		8-22	216	40
4	102	356	254	200	157	32		8-22	241	51
5	125	400	279	235	186	35		8-22	267	65
6	152	444	318	270	216	37		12-22	305	90
8	203	559	381	330	270	41		12-25	368	175
10	254	622	444	387.5	324	48		16-29	394	210
12	305	711	521	451	281	51		16-32	445	286
14	337	762	584	514.5	413	54		16-32	470	400
16	387	864	648	571.5	470	57		20-32	533	550
18	432	978	711	628.5	533	60		20-35	584	700
20	483	1016	775	686	584	64		24-35	610	860
24	584	1346	914	813	692	70		24-35	860	1931
28	686	1499	1035	940	800	86		28-44	1163	2380
30	737	1594	1092	997	857	92		28-48	1270	2660

API SWING CHECK VALVE,CLASS 600, 900Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
600	15.3	11.2	0.6	11.2
900	23.1	16.8	0.6	16.8

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 6D BS 1868	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

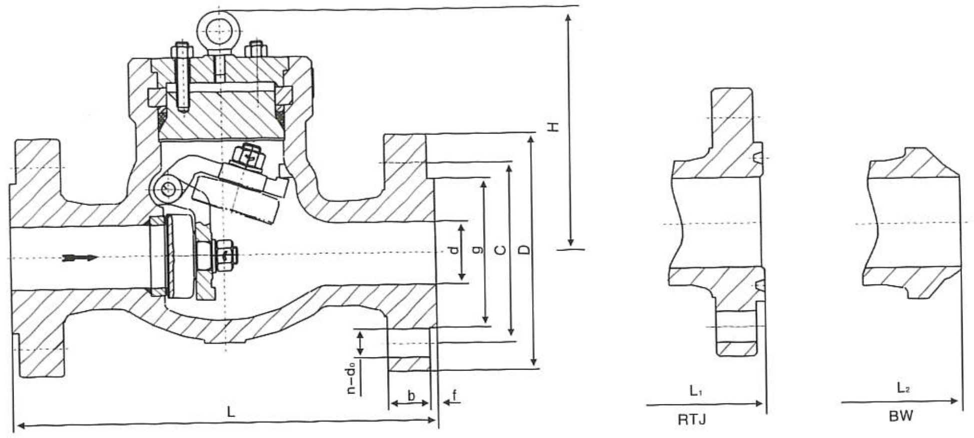
API SWING CHECK VALVE,CLASS 600, 900Lb

PERFORMANCE SPECIFCATIONS

600Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-d0	H	
2	51	292	165	172	92	33		8-19	203	34
2½	64	330	190	149	105	36		8-22	229	45
3	76	356	210	168	127	39		8-22	235	63
4	102	432	273	216	157	45		8-25	286	114
5	125	508	330	266.5	186	52		8-29	292	160
6	152	559	356	292	216	55		12-29	330	207
8	200	660	419	349	270	63	6.4	12-32	381	387
10	248	787	508	432	324	71		16-35	457	580
12	298	838	59	489	281	74		20-35	584	778
14	327	889	603	527	413	77		20-38	635	986
16	375	991	686	603	470	84		20-41	684	1270
18	419	1092	743	654	533	90		20-44	752	1620
20	464	1194	813	724	584	96		24-44	975	2120
24	559	1397	940	838	692	109		24-52	1111	3100

900Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-d0	H	
2	47	368	216	165	92	38.5		8-26	216	40
2½	57	419	244	190.5	105	41.5		8-29	254	60
3	73	381	381	190.5	127	38.5		8-26	292	88
4	98	457	457	235	157	44.5		8-32	318	122
5	121	559	559	279.5	186	51		8-35	343	157
6	146	610	610	317.5	216	56	6.4	12-32	368	297
8	190	737	737	393.5	270	63.5		12-39	432	550
10	238	838	838	470	324	70		16-39	546	860
12	282	969	969	533.5	281	79.5		20-39	660	1290
14	311	1029	1029	559	413	86		20-42	782	1580
16	356	1130	1130	616	470	89		20-45	838	1900

API SWING CHECK VALVE,CLASS 1500, 2500Lb



PERFORMANCE SPECIFCATIONS

CLASS(Lb)	Test Pressure(MPa)			
	Shell Test(Water)	Sealing Test(Water)	Sealing Test(Air)	Back Sealing Test
1500	39.0	28.5	0.6	28.5
2500	64.6	47.4	0.6	47.4

Material	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Temperature℃	≤425	≤550	≤150			
Medium	W,G,O,etc		Nitric Acid		Acetic Acid	

STANDARDS

Items	Design	Test and Inspection	Pressure-Temp.Rating	Flang Dimension	Face to face Dimension
Standards	API 6D BS 1868	API 598	ANSI B 16.34	ANSI B 16.5	ANSI B 16.10 ANSI B 16.25

MATERIALS

Part Name	Materials					
Body/Bonnet/Disc	A216WCB	A217WC6,WC9	A351 CF8	A351 CF3	A351 CF8M	A351 CF3M
Seating Face	13Cr/13Cr 13Cr/STL STL/STL	STL/STL	304/304 304/STL STL/STL	304L/304L 304L/STL STL/STL	316/316 316/STL STL/STL	316L/316L 316L/STL STL/STL
Stem	F6a	F11 F22	F304	F304L	F316	F316L
Gasket	304/Flexible Graphte			304L/ Flexible Graphte	316/ Flexible Graphte	316L/ Flexible Graphte
Packing	Flexible Graphte+304	FlexibleGraphte +Ni Wire	Flexible Graphte+304	FlexibleGraphte+Ni Wire		
Bolt	A193 B7	A193 B16	A193 B8			
Nut	A194 2H	A194 -4	A194 -8			

ASTAM VALVE

API SWING CHECK VALVE,CLASS 1500, 2500Lb

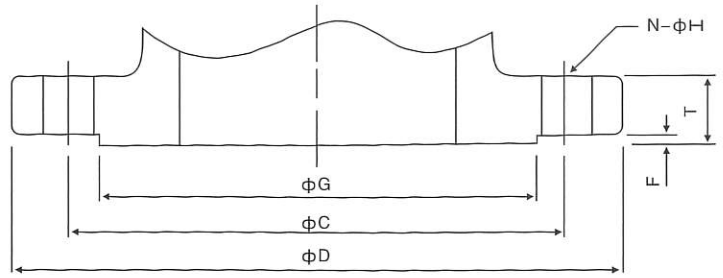
PERFORMANCE SPECIFCATIONS

1500Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-do	H	
2½	57	419	244	190.5	105	41.5	6.4	8-29	193	45
3	70	470	267	203	127	48		8-32	246	70
4	92	546	311	241.5	157	54		8-35	288	115
5	111	673	375	292	186	73.5		8-42	324	195
6	136	705	394	317.5	216	83		12-39	373	250
8	178	832	483	393.5	270	93		12-45	466	470
10	222	991	585	482.5	324	108		12-51	536	820
12	263	1130	675	571.5	281	124		16-54	857	1280
14	289	1257	750	635	413	133.5		16-61	950	2060
16	330	1384	825	705	470	146.5		16-67	1020	3500

2500Lb										
NPS inch	Dimensions mm									Weighe kg
	d	L/L1L2	D	C	g	b	f	n-do	H	
2½	47	508	267	197	105	57.5	6.4	8-32	255	98
3	57	578	305	228.5	127	67		8-35	315	120
4	73	673	356	273	157	76.5		8-42	360	240
5	92	794	419	324	186	92.5		8-48	418	410
6	111	914	483	368.5	216	108		8-54	465	590
8	148	1022	550	438	270	127		12-54	555	990
10	184	1270	675	539.5	324	165.5		12-67	630	1750
12	219	1422	760	619	381	184.5		12-74	1000	3500

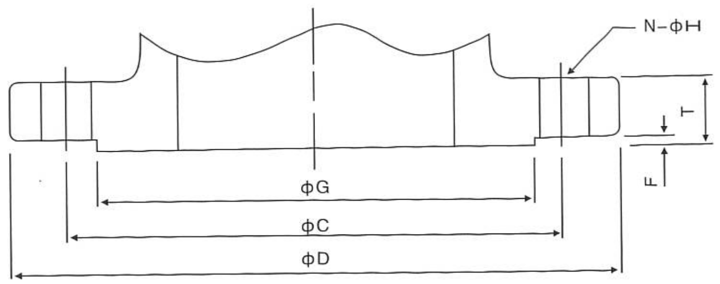
ASTAM VALVE

FLANGE DIMENSIONAL LIST



GB/T9113 PN1.0MPa(10bar)								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	41	2	60	4	14	M12
15	95	14	46	2	65	4	14	M12
20	105	16	56	2	75	4	14	M12
25	115	16	65	2	85	4	14	M12
32	140	18	76	2	100	4	18	M16
40	150	18	84	2	110	4	18	M16
50	165	20	99	2	125	4	18	M16
65	185	20	118	2	145	4	18	M16
80	200	20	132	2	160	8	18	M16
100	220	22	156	2	180	8	18	M16
125	250	22	184	2	210	8	18	M16
150	285	24	211	2	240	8	22	M20
200	340	24	266	2	295	8	22	M20
250	395	26	319	2	350	12	22	M20
300	445	26	370	2	400	12	22	M20
350	505	26	429	2	460	16	22	M20
400	565	26	480	2	515	16	26	M24
450	615	28	530	2	565	20	26	M24
500	670	28	582	2	620	20	26	M24
600	780	34	682	2	725	20	30	M27
700	895	34	794	5	840	24	30	M27
800	1015	36	901	5	950	24	33	M30
900	1115	38	1001	5	1050	28	33	M30
1000	1230	38	1112	5	1160	28	36	M33
1200	1455	44	1328	5	1380	32	39	M36
1400	1675	48	1530	5	1590	36	42	M39
1600	1915	52	1750	5	1820	40	48	M45
1800	2115	56	1950	5	2020	44	48	M45
2000	2325	60	2150	5	2230	48	48	M45

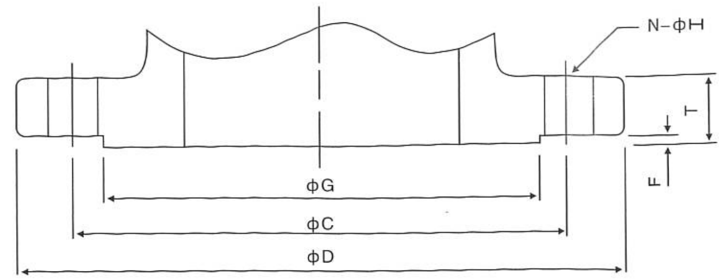
FLANGE DIMENSIONAL LIST



GB/T9113 PN1.6MPa(16bar) Unit:mm

DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	41	2	60	4	14	M12
15	95	14	46	2	65	4	14	M12
20	105	16	56	2	75	4	14	M12
25	115	16	65	2	85	4	14	M12
32	140	18	76	2	100	4	18	M16
40	150	18	84	2	110	4	18	M16
50	165	20	99	2	125	4	18	M16
65	185	20	118	2	145	4	18	M16
80	200	20	132	2	160	8	18	M16
100	220	22	156	2	180	8	18	M16
125	250	22	184	2	210	8	18	M16
150	285	24	211	2	240	8	22	M20
200	340	24	266	2	295	8	22	M20
250	405	26	319	2	355	12	26	M24
300	460	28	370	2	410	12	26	M24
350	520	30	429	2	470	16	26	M24
400	580	32	480	2	525	16	30	M27
450	640	40	530	2	585	20	30	M27
500	715	44	582	2	650	20	33	M30
600	840	54	682	2	770	20	33	M30
700	910	40	794	5	840	24	36	M33
800	1025	42	901	5	950	24	39	M36
900	1125	44	1001	5	1050	28	42	M39
1000	1255	46	1112	5	1160	28	48	M45
1200	1485	52	1328	5	1380	32	48	M45
1400	1685	58	1530	5	1590	36	48	M45
1600	1930	64	1750	5	1820	40	55	M52
1800	2130	68	1950	5	2020	44	55	M52
2000	2325	70	2150	5	2230	48	60	M56

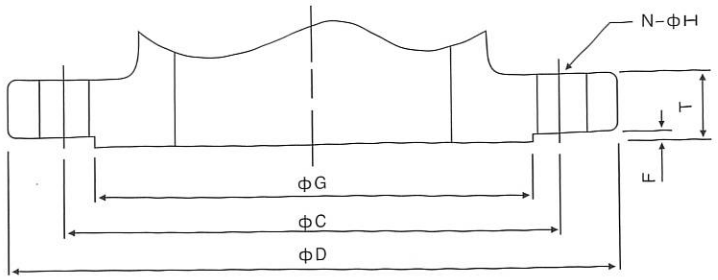
FLANGE DIMENSIONAL LIST



GB/T9113 PN2.5MPa(25bar) Unit:mm

DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	41	2	60	4	14	M12
15	95	14	46	2	65	4	14	M12
20	105	16	56	2	75	4	14	M12
25	115	16	65	2	85	4	14	M12
32	140	18	76	2	100	4	18	M16
40	150	18	84	2	110	4	18	M16
50	165	20	99	2	125	4	18	M16
65	185	22	118	2	145	4	18	M16
80	200	24	132	2	160	8	18	M16
100	235	24	156	2	180	8	18	M20
125	270	26	184	2	220	8	18	M24
150	300	28	211	2	250	8	22	M24
200	360	30	274	2	310	8	26	M24
250	425	32	330	2	370	12	26	M27
300	485	34	389	2	430	12	26	M27
350	555	38	448	2	490	16	30	M30
400	620	40	503	2	550	16	30	M33
450	670	46	548	2	600	20	33	M33
500	730	48	609	2	660	20	36	M33
600	845	58	720	2	770	20	39	M36
700	960	50	820	5	875	24	42	M39
800	1085	54	928	5	990	24	48	M45
900	1185	58	1028	5	1090	28	48	M45
1000	1320	62	1140	5	1210	28	55	M52
1200	1530	70	1350	5	1420	32	55	M52
1400	1755	76	1560	5	1640	36	60	M56
1600	1975	84	1780	5	1860	40	60	M56
1800	2195	90	1985	5	2070	44	68	M64
2000	2425	96	2210	5	2300	48	68	M64

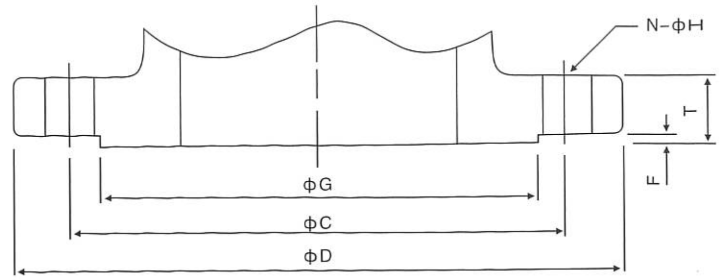
FLANGE DIMENSIONAL LIST



GB/T9113 PN4.0MPa(40bar)								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	41	2	60	4	14	M12
15	95	14	46	2	65	4	14	M12
20	105	16	56	2	75	4	14	M12
25	115	16	65	2	85	4	14	M12
32	140	18	76	2	100	4	18	M16
40	150	18	84	2	110	4	18	M16
50	165	20	99	2	125	4	18	M16
65	185	22	118	2	145	4	18	M16
80	200	24	132	2	160	8	18	M16
100	235	24	156	2	180	8	22	M20
125	270	26	184	2	220	8	26	M24
150	300	28	211	2	250	8	26	M24
200	375	34	284	2	320	8	30	M27
250	450	38	345	2	385	12	33	M30
300	515	42	409	2	450	12	33	M30
350	580	46	465	2	510	16	36	M33
400	660	50	535	2	585	16	39	M36
450	685	57	560	2	610	20	39	M36
500	755	57	615	2	670	20	42	M39
600	890	72	735	2	795	20	48	M45

GB/T9113 PN6.3MPa(63bar)								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	100	20	41	2	70	4	14	M12
15	105	20	46	2	75	4	14	M12
20	130	20	56	2	90	4	18	M16
25	140	24	65	2	100	4	18	M16
32	155	24	76	2	110	4	22	M20
40	170	26	84	2	125	4	22	M20
50	180	26	99	2	135	4	22	M20
65	2005	26	118	2	160	4	22	M20
80	215	28	132	2	170	8	22	M20
100	250	30	156	2	200	8	26	M24
125	295	34	184	2	240	8	30	M27
150	345	36	211	2	280	8	33	M30
200	415	42	284	2	345	8	36	M33
250	470	46	345	2	400	12	36	M33
300	530	52	409	2	460	12	36	M33
350	600	56	465	2	525	16	39	M33
400	670	60	535	2	585	16	42	M39

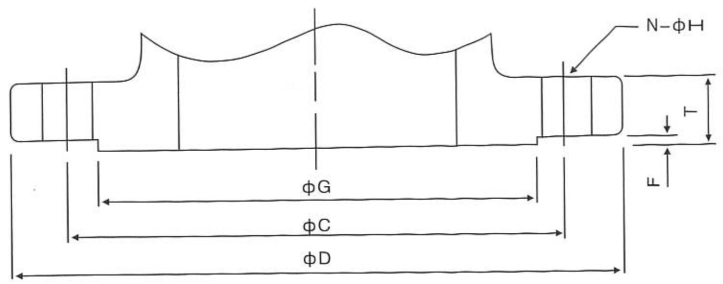
FLANGE DIMENSIONAL LIST



ANSI B16.5 CLASS 150#								Unit:mm
DN/inch	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt(inch)
1/2	90	9.6	34.9	2	60.3	4	15.9	1/2
3/4	100	11.2	42.9	2	69.9	4	15.9	1/2
1	110	12.7	50.8	2	79.4	4	15.9	1/2
1 1/4	115	14.3	63.5	2	88.9	4	15.9	1/2
1 1/2	125	15.9	73.0	2	98.4	4	15.9	1/2
2	150	17.5	92.1	2	120.7	4	19.1	5/8
2 1/2	180	20.7	104.8	2	139.7	4	19.1	5/8
3	190	22.3	127.0	2	152.4	4	19.1	5/8
4	230	22.3	157.2	2	190.5	8	19.1	5/8
5	255	22.3	1885.7	2	215.9	8	22.2	3/4
6	280	23.9	215.9	2	241.3	8	22.2	3/4
8	345	27.0	269.9	2	298.5	8	22.2	3/4
10	405	28.6	323.8	2	362.0	8	25.4	7/8
12	485	30.2	381.0	2	431.8	12	25.4	7/8
14	535	33.4	412.8	2	476.3	12	28.7	1
16	595	35.0	469.9	2	539.8	16	28.7	1
18	635	38.1	533.4	2	577.9	16	31.8	1 1/8
20	700	41.3	584.2	2	635.0	20	31.8	1 1/8
24	815	46.1	629.2	2	749.3	20	34.9	1 1/4

ANSI B16.5 CLASS 300#								Unit:mm
DN/inch	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt(inch)
1/2	95	12.7	34.9	2	66.7	4	15.9	1/2
3/4	115	14.3	42.9	2	82.6	4	19.1	5/8
1	125	15.9	50.8	2	88.9	4	19.1	5/8
1 1/4	135	17.5	63.5	2	98.4	4	19.1	5/8
1 1/2	155	19.1	73.0	2	114.3	4	22.2	3/4
2	165	20.7	92.1	2	127.0	8	19.1	5/8
2 1/2	190	23.9	104.8	2	149.2	8	22.2	3/4
3	210	27.0	127.0	2	168.3	8	22.2	3/4
4	255	30.2	157.2	2	200.3	8	22.2	3/4
5	280	33.4	1885.7	2	235.0	8	22.2	3/4
6	320	35.0	215.9	2	269.9	12	22.2	3/4
8	380	39.7	269.9	2	330.2	12	25.4	7/8
10	445	46.1	323.8	2	387.4	16	28.6	1
12	520	49.3	381.0	2	450.4	16	31.8	1 1/8
14	585	52.4	412.8	2	514.4	20	31.8	1 1/8
16	650	55.6	469.9	2	571.5	20	34.9	1 1/4
18	710	58.8	533.4	2	628.8	24	34.9	1 1/4
20	775	62.0	584.2	2	685.8	24	34.9	1 1/4
24	915	68.3	629.2	2	812.8	24	41.3	1 1/2

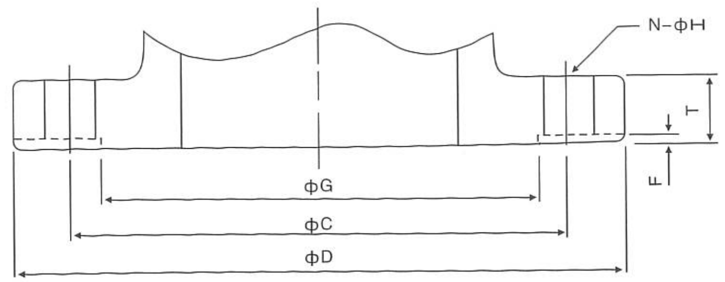
FLANGE DIMENSIONAL LIST



ANSI B16.5 CLASS 400#								Unit:mm
DN/inch	φD	T	φG	F	φC	N	φH	Bolt(inch)
1/2	95	14.3	34.9	7	66.7	4	15.9	1/2
3/4	115	15.9	42.9	7	82.6	4	19.1	5/8
1	125	17.5	50.8	7	88.9	4	19.1	5/8
1 1/4	135	20.7	63.5	7	98.4	4	19.1	5/8
1 1/2	155	22.3	73.0	7	114.3	4	22.2	3/4
2	165	25.4	92.1	7	127.0	8	19.1	5/8
2 1/2	190	28.6	104.8	7	149.2	8	22.2	3/4
3	210	31.8	127.0	7	168.3	8	22.2	3/4
4	255	35.0	157.2	7	200.0	8	25.4	7/8
5	280	38.1	1885.7	7	235.0	8	25.4	7/8
6	320	41.3	215.9	7	269.9	12	25.4	7/8
8	380	47.7	269.9	7	330.0	12	28.6	1
10	445	54.0	323.8	7	387.4	16	31.8	1 1/8
12	520	57.2	381.0	7	450.8	16	34.9	1 1/4
14	585	60.4	412.8	7	514.4	20	34.9	1 1/4
16	650	63.5	469.9	7	571.5	20	38.1	1 3/8
18	710	66.7	533.4	7	628.8	24	38.1	1 3/8
20	775	69.9	584.2	7	685.8	24	41.3	1 1/2
24	915	76.2	629.2	7	812.8	24	47.6	1 3/4

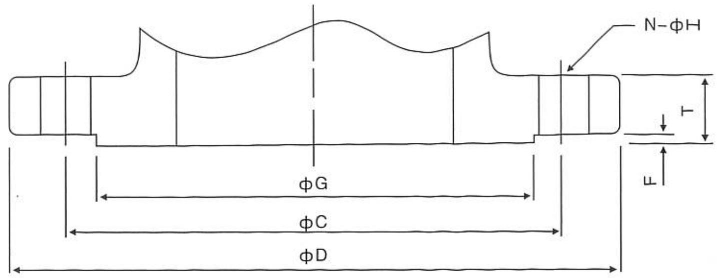
ANSI B16.5 CLASS 600#								Unit:mm
DN/inch	φD	T	φG	F	φC	N	φH	Bolt(inch)
1/2	95	14.3	34.9	7	66.7	4	15.9	1/2
3/4	115	15.9	42.9	7	82.6	4	19.1	5/8
1	125	17.5	50.8	7	88.9	4	19.1	5/8
1 1/4	135	20.7	63.5	7	98.4	4	19.1	5/8
1 1/2	155	22.3	73.0	7	114.3	4	22.2	3/4
2	165	25.4	92.1	7	127.0	8	19.1	5/8
2 1/2	190	28.6	104.8	7	149.2	8	22.2	3/4
3	210	31.8	127.0	7	168.3	8	22.2	3/4
4	275	38.1	157.2	7	215.9	8	25.4	7/8
5	330	44.5	1885.7	7	266.7	8	28.6	1
6	355	47.7	215.9	7	292.1	12	28.6	1
8	420	55.6	269.9	7	349.2	12	31.8	1 1/8
10	510	63.5	323.8	7	431.8	16	34.9	1 1/4
12	560	66.7	381.0	7	489.0	16	34.9	1 1/4
14	605	69.9	412.8	7	527.0	20	31.8	1 3/8
16	685	76.2	469.9	7	603.2	20	41.3	1 1/2
18	745	82.6	533.4	7	654.0	24	44.5	1 5/8
20	815	88.9	584.2	7	732.9	24	44.5	1 5/8
24	940	101.6	629.2	7	838.2	24	50.8	1 7/8

FLANGE DIMENSIONAL LIST



JIS B2238 10K								Unit:mm
DN/mm	φD	T	φG	F	φC	N	φH	Bolt
10	90	12	46	1	65	4	15	M12
15	95	12	51	1	70	4	15	M12
20	100	14	56	1	75	4	15	M12
25	125	14	67	1	90	4	19	M16
32	135	16	76	2	100	4	19	M16
40	140	16	81	2	105	4	19	M16
50	155	16	96	2	120	4	19	M16
65	175	18	116	2	140	4	19	M16
80	185	18	126	2	150	8	19	M16
100	210	18	151	2	175	8	19	M16
125	250	20	182	2	210	8	23	M20
150	280	22	212	2	240	8	23	M20
200	330	22	262	2	290	12	23	M20
250	400	24	324	2	355	12	25	M22
300	445	24	368	3	400	16	25	M22
350	490	26	413	3	445	16	25	M22
400	560	28	475	3	510	16	27	M24
450	620	30	530	3	565	20	27	M24
500	675	30	585	3	620	20	27	M24
550	745	32	640	3	680	20	33	M30
600	795	32	690	3	730	24	33	M30
650	845	34	740	3	780	24	33	M30
700	905	34	800	3	840	24	33	M30
750	970	36	855	3	900	24	33	M30
800	1020	36	905	3	950	28	33	M30
850	1070	36	955	3	1000	28	33	M30
900	1120	38	1005	3	1050	28	33	M30
1000	1235	40	1110	3	1160	28	39	M36
1100	1345	42	1220	3	1270	28	39	M36
1200	1465	44	1325	3	1380	32	39	M36
1350	1630	48	1480	3	1540	36	45	M42
1500	1795	50	1635	3	1700	40	45	M42

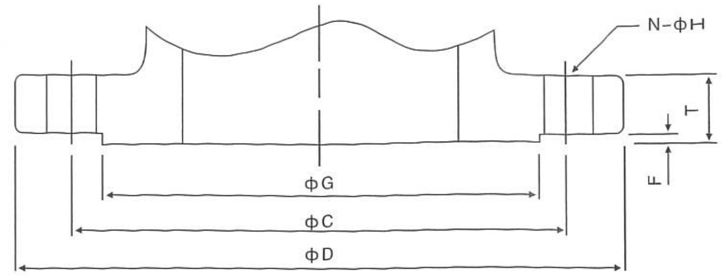
FLANGE DIMENSIONAL LIST



JIS B2238 20K								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	46	1	65	4	15	M12
15	95	14	51	1	70	4	15	M12
20	100	16	56	1	75	4	15	M12
25	125	16	67	1	90	4	19	M16
32	135	18	76	2	100	4	19	M16
40	140	18	81	2	105	4	19	M16
50	155	18	96	2	120	8	19	M16
65	175	20	116	2	140	8	19	M16
80	200	22	132	2	160	8	23	M20
100	225	24	160	2	185	8	23	M20
125	270	26	195	2	225	8	25	M22
150	305	28	230	2	260	12	25	M22
200	350	30	275	2	305	12	25	M22
250	430	34	345	2	380	12	27	M24
300	480	36	395	3	430	16	27	M24
350	540	40	440	3	480	16	33	M30x3
400	605	46	495	3	540	16	33	M30x3
450	675	48	560	3	605	20	33	M30x3
500	730	50	615	3	660	20	33	M30x3
550	795	52	670	3	720	20	39	M36x3
600	845	54	720	3	770	24	39	M36x3
650	945	60	790	5	850	24	48	M45x3
700	995	64	840	5	900	24	48	M45x3
750	1080	68	900	5	970	24	56	M52x3
800	1140	72	960	5	1030	24	56	M52x3
850	1200	74	1020	5	1090	24	56	M52x3
900	1250	76	1075	5	1140	28	56	M52x3

JIS B2238 30K								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	110	16	52	1	75	4	19	M16
15	115	18	55	1	80	4	19	M16
20	120	18	60	1	85	4	19	M16
25	130	20	70	1	95	4	19	M16
32	140	22	80	2	105	4	19	M16
40	160	22	90	2	120	8	23	M20
50	165	22	105	2	130	8	19	M16
65	200	26	130	2	160	8	23	M20
80	210	28	140	2	170	8	23	M20
100	240	32	160	2	195	8	25	M22
125	275	36	195	2	230	8	25	M22
150	325	38	235	2	275	12	27	M24
200	370	42	280	2	320	12	27	M24
250	450	48	345	2	390	12	33	M30x3
300	515	52	405	3	450	16	33	M30x3
350	560	54	450	3	495	16	33	M30x3
400	630	60	510	3	560	16	39	M36x3

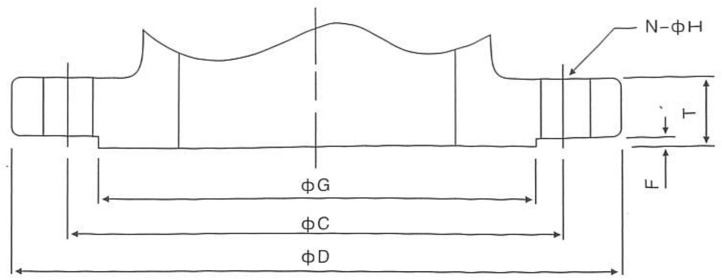
FLANGE DIMENSIONAL LIST



JIS B2238 40K								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	110	18	52	1	75	4	19	M16
15	115	20	55	1	80	4	19	M16
20	120	20	60	1	85	4	19	M16
25	130	22	70	1	95	4	19	M16
32	140	24	80	2	105	4	19	M16
40	160	24	90	2	120	8	23	M20
50	165	26	105	2	130	8	19	M16
65	200	30	130	2	160	8	23	M20
80	210	32	140	2	170	8	23	M20
100	250	36	165	2	205	8	25	M22
125	300	40	200	2	250	8	27	M24
150	355	44	240	2	295	12	33	M30x3
200	405	50	290	2	345	12	33	M30x3
250	475	56	365	2	410	12	33	M30x3
300	540	60	410	3	470	16	39	M36x3
350	585	64	455	3	515	16	39	M36x3
400	645	70	510	3	560	16	39	M36x3

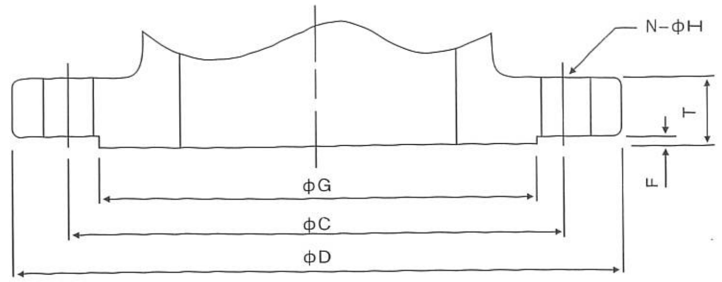
JIS B2238 63K								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	115	23	52	1	80	4	19	M16
15	120	23	55	1	85	4	19	M16
20	135	25	60	1	95	4	23	M20
25	140	27	70	1	100	4	23	M20
32	150	30	80	2	110	4	23	M20
40	175	32	90	2	130	8	25	M22
50	185	34	105	2	145	8	23	M22
65	220	38	130	2	175	8	25	M20
80	230	40	140	2	185	8	25	M22
100	270	44	165	2	220	8	27	M22
125	325	50	200	2	265	8	33	M24
150	365	54	240	2	305	12	33	M30x3
200	425	60	290	2	360	12	33	M30x3
250	500	68	355	2	430	12	39	M36x3
300	560	77	410	3	485	16	39	M36x3
350	615	81	455	3	530	16	46	M42x3
400	680	89	515	3	590	16	46	M42x3

FLANGE DIMENSIONAL LIST



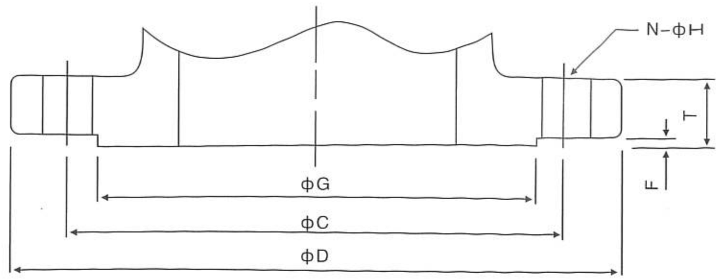
BS4504-PN10								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	40	2	60	4	14	M12
15	95	14	45	2	65	4	14	M12
20	105	16	58	2	75	4	14	M12
25	115	16	68	2	85	4	14	M12
32	140	16	78	2	100	4	18	M16
40	150	16	88	3	110	4	18	M16
50	165	18	102	3	125	4	18	M16
65	185	18	122	3	145	4	18	M16
80	200	20	138	3	160	8	18	M16
100	220	20	158	3	180	8	18	M16
125	250	22	188	3	210	8	18	M16
150	285	22	212	3	240	8	22	M20
200	340	24	268	3	295	8	22	M20
250	395	26	320	3	350	12	22	M20
300	445	26	370	4	400	12	22	M20
350	505	26	430	4	460	16	22	M20
400	565	26	482	4	515	16	26	M24
450	615	28	532	4	565	20	26	M24
500	670	28	585	4	620	20	26	M24
600	780	28	985	4	725	20	30	M27
700	895	30	800	5	840	24	30	M27
800	1015	32	905	5	950	24	33	M30
900	1115	34	1005	5	1050	28	33	M30
1000	1230	34	1110	5	1160	28	36	M33
1200	1455	38	1330	5	1380	32	39	M36
1400	1675	42	1535	5	1590	36	42	M39
1600	1915	46	1760	5	1820	40	48	M45
1800	2115	50	1960	5	2020	44	48	M45
2000	2325	54	2170	5	2230	48	48	M45

FLANGE DIMENSIONAL LIST



BS4504-PN16								Unit:mm
DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	14	40	2	60	4	14	M12
15	95	14	45	2	65	4	14	M12
20	105	16	58	2	75	4	14	M12
25	115	16	68	2	85	4	14	M12
32	140	16	78	2	100	4	18	M16
40	150	16	88	3	110	4	18	M16
50	165	18	102	3	125	4	18	M16
65	185	18	122	3	145	4	18	M16
80	200	20	138	3	160	8	18	M16
100	220	20	158	3	180	8	18	M16
125	250	22	188	3	210	8	18	M16
150	285	22	212	3	240	8	22	M20
200	340	24	268	3	295	8	22	M20
250	405	26	320	3	350	12	26	M24
300	460	28	378	4	400	12	26	M24
350	520	30	438	4	460	16	30	M27
400	580	32	490	4	515	16	30	M27
450	640	34	550	4	565	20	33	M30
500	715	34	610	4	620	20	36	M33
600	840	36	725	4	725	20	36	M33
700	910	36	795	5	840	24	39	M36
800	1025	38	900	5	950	24	39	M36
900	1125	40	1000	5	1050	28	42	M39
1000	1255	42	1110	5	1160	28	48	M39
1200	1485	48	1330	5	1380	32	48	M45
1400	1685	52	1530	5	1590	36	48	M45
1600	1930	58	1750	5	1820	40	56	M52
1800	2130	62	1950	5	2020	44	56	M52
2000	2345	66	2150	5	2230	48	62	M56

FLANGE DIMENSIONAL LIST



BS4504-PN25 Unit:mm

DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	16	40	2	60	4	14	M12
15	95	16	45	2	65	4	14	M12
20	105	18	58	2	75	4	14	M12
25	115	18	68	2	85	4	14	M12
32	140	18	78	2	100	4	18	M16
40	150	18	88	3	110	4	18	M16
50	165	20	102	3	125	4	18	M16
65	185	22	122	3	145	8	18	M16
80	200	24	138	3	160	8	18	M16
100	235	24	162	3	190	8	22	M20
125	270	26	188	3	220	8	26	M24
150	300	28	218	3	250	8	26	M24
200	360	30	278	3	310	12	26	M24
250	425	32	335	3	370	12	30	M27
300	485	34	395	4	430	16	30	M27
350	555	38	450	4	490	16	33	M30
400	620	40	505	4	550	16	36	M33
450	670	42	555	4	600	20	36	M33
500	730	44	615	4	660	20	36	M33
600	845	46	720	5	770	20	39	M36
700	960	46	820	5	875	24	42	M39
800	1085	50	930	5	990	24	48	M45
900	1185	54	1030	5	1090	28	48	M45
1000	1320	58	1140	5	1210	28	56	M51

BS4504-PN40 Unit:mm

DN/mm	ΦD	T	ΦG	F	ΦC	N	ΦH	Bolt
10	90	16	40	2	60	4	14	M12
15	95	16	45	2	65	4	14	M12
20	105	18	58	2	75	4	14	M12
25	115	18	68	2	85	4	14	M12
32	140	18	78	2	100	4	18	M16
40	150	18	88	3	110	4	18	M16
50	165	20	102	3	125	4	18	M16
65	185	22	122	3	145	8	18	M16
80	200	24	138	3	160	8	18	M16
100	235	24	162	3	190	8	22	M20
125	270	26	188	3	220	8	26	M24
150	300	28	218	3	250	8	26	M24
200	375	34	285	3	320	12	30	M27
250	450	38	345	3	385	12	33	M30
300	515	42	410	4	450	16	33	M30
350	580	46	465	4	510	16	36	M33
400	660	50	535	4	585	16	39	M36
450	685	50	560	4	610	20	39	M36
500	755	52	615	4	670	20	42	M39

ACCOUNT COLUMN