



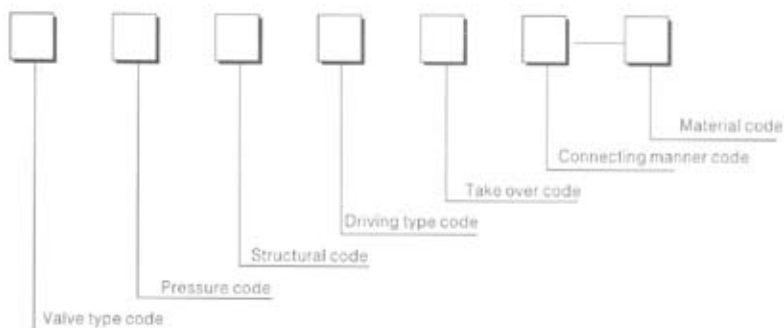
GLOBE VALVE SERIES



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GLOBE VALVE MODEL SCHEDULE ILLUSTRATION



★ Valve type code	J - Globe valve					
★ Pressure code	2 - Class150 2a - 1.6MPa	3 - Class300 3a - 2.5MPa	5 - Class600 4a - 4.0MPa	7 - Class900 5a - 6.4MPa	8 - Class1500 6a - 10.0MPa 9 - Class2500 7a - 16.0MPa	
★ Structural code	6 - BB-BG-OS&Y (Bolted bonnet,Bolted gland OS&Y) 8 - PS-BG-OS&Y (Pressure bonnet,Bolted gland OS&Y)					
★ Driving type code	A - Electric driving		B - Air motor driving	C - Gear driving		
★ Take over code						
	Code	Thickness	Code	Thickness	Code	Thickness
	S1	SCH10	S4	SCH40	S7	SCH120
	S2	SCH20	S5	SCH60	S8	SCH140
	S3	SCH30	S6	SCH80	S9	SCH160
★ Connecting manner code	R - R F (Raised face) J - R J (Ring joint) F - M F (Male-Female face) W - B W (Butt welded)					
★ Body material code						
1 Cast carbon steel	CC10 - ASTM A216-WCB		CF11 - ASTM A352-LCB			
2 Cast alloy steel	CA20 - ASTM A217-WC1 CA23 - ASTM A217-C5		CA21 - ASTM A351-CF8M CA24 - ASTM A217-C12	CA22 - ASTM A217-WC9		
3 Cast stainless steel	CS30 - ASTM A351-CF8 CS33 - ASTM A351-CF3		CS31 - ASTM A351-CF8M CS34 - ASTM A351-CF3M	CS32 - ASTM A351-CF8C		

FLANGED CONNECTION GB CAST STEEL GLOBE VALVE

PRODUCTS DESIGN FEATURES

Flanged connection globe valves are used to cut or connect the pipe media under pressures between PN1.6~16.0MPa, working temperatures between-46~550°C, in oil industry, chemical industry, pharmaceuticals, fertilizer, and power industry.

Main structural features:

1. Rational structure, reliable sealing, excellent performance, pretty appearance.
2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life.
3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant.
4. There is backward sealing structure in the valve, so the sealing is reliable.
5. The material of the fillings and the flange sizes can be chose and matched according to the applications and the requirements of the users. That can satisfies all kinds of working requirements.

PRODUCTS SPECIFICATION

Model	Pressure	Driving manner	Nominal size													
			15	20	25	32	40	50	65	80	100	125	150	200	250	300
J2a6R	1.6MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
J2a6AR	1.6MPa	Electric Drive	-	-	-	-	-	☆	☆	☆	☆	☆	☆	☆	☆	☆
J3a6R	2.5MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
J3a6AR	2.5MPa	Electric Drive	-	-	-	-	-	☆	☆	☆	☆	☆	☆	☆	☆	☆
J4a6F	4.0MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J4a6AF	4.0MPa	Electric Drive	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J5a6F	6.4MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J5a6AF	6.4MPa	Electric Drive	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J6a6J	10.0MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J6a6AJ	10.0MPa	Electric Drive	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J7a6J	16.0MPa	Hand operated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-
J7a6AJ	16.0MPa	Electric Drive	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	-	-

PRODUCTS PERFORMANCE SPECIFICATION

Nominal Pressure(MPa)	Intensity test pressure(MPa)	Sealing test pressure(MPa)	Back seal test pressure(MPa)	Gas test pressure(MPa)	Temperature	Medium
1.6	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas
2.5	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas
4.0	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas
6.4	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas
10.0	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas
16.0	1.5 × PN	1.1 × PN	1.1 × PN	0.4~0.7	≤550°C	Water, oil & gas

Notes :PN is requested pressure for the body under the 38°C

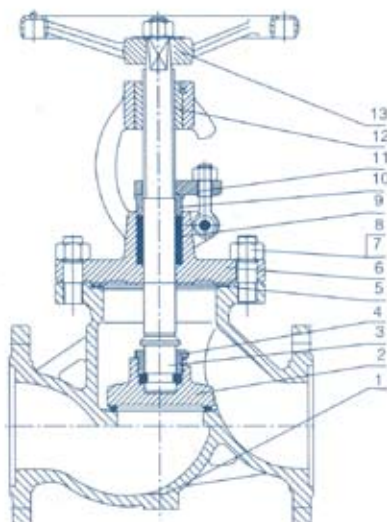


FLANGED CONNECTION GB CAST STEEL GLOBE VALVE

Technical specification

Structural Formation	BB-BG-OS&Y
Driving Manner	Hand-operated, Electric-driving
Design Standard	GB/T 12235
Face to Face	GB/T 12221
Flanged Ends	GB/T 9113, JB/T 79, HG 20592
Test & Inspection	JB/T 9092

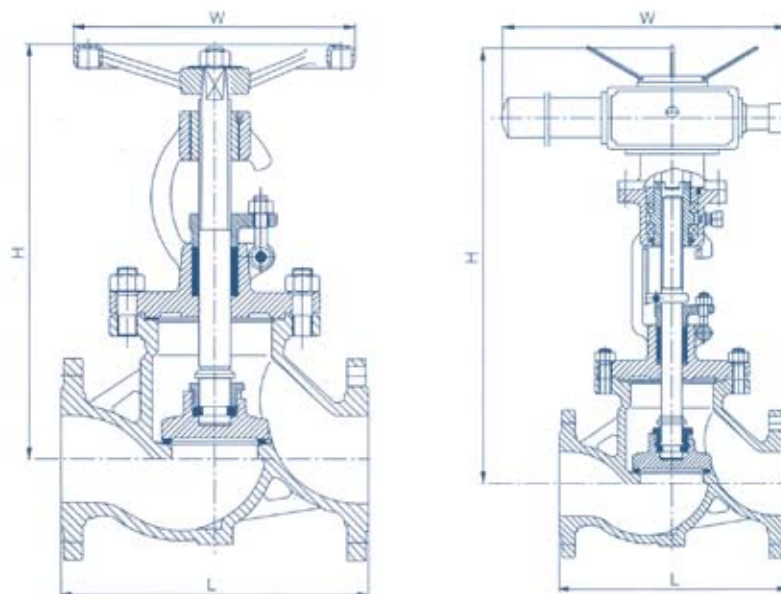
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.



Form of major parts materials

No.	Part name	Material
1	Body	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	Disc	25, 1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
3	Stem	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
4	Flat cover	25, 1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
5	Gasket	Graphite & stainless steel
6	Bonnet	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
7	Bolt	35CrMoA, 0Cr18Ni9, 0Cr17Ni12Mo2, 25Cr2MoV
8	Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni12Mo2, 25Cr2MoV
9	Packing	Flexible Graphite
10	Gland	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
11	Gland flange	WCB CF8, CF8M, CF8C, CF3, CF3M
12	Stem nut	Copper alloy
13	Hand wheel	KTH 330-08

FLANGED CONNECTION GB CAST STEEL GLOBE VALVE

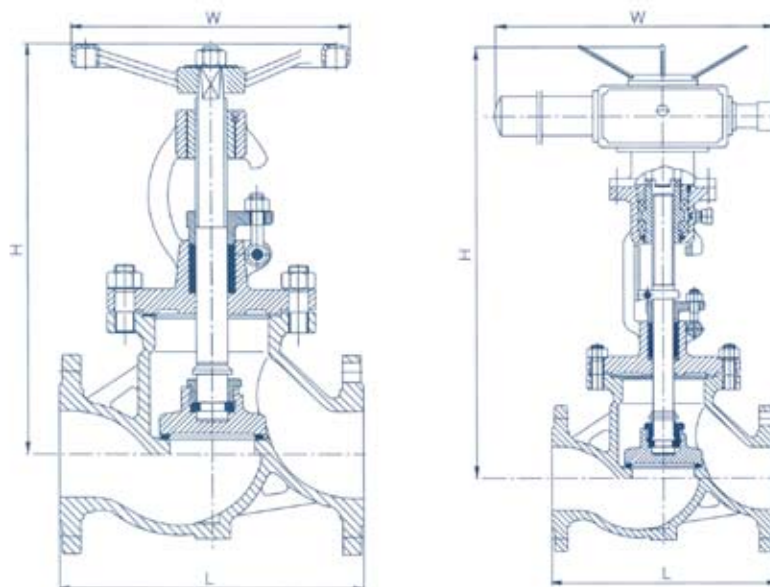


Size & weight

PN1.6~2.5MPa

Model		J2a6(A) R-CC10、J2a6(A) R-CA20、J2a6 (A) R-CS30													
Pressure		1.6MPa													
Hand Operated	Size	15	20	25	32	40	50	65	80	100	125	150	200	250	300
	L	130	150	160	180	200	230	290	310	350	400	480	600	650	750
	H	218	260	275	282	332	350	405	360	412	462	510	715	789	925
	W	120	140	160	180	200	240	280	280	320	360	400	400	450	500
	Weight	5.3	7.2	7.5	8.7	12.4	14	22.5	29.5	34	80	95	178	438	650
Electric Driving	H	-	-	-	-	-	642	695	712	772	785	812	965	1138	1285
	W	-	-	-	-	-	960	960	960	960	960	960	1325	1325	1370
	Weight	-	-	-	-	-	50	62	65	73	120	212	325	552	783
	Electric Device	-	-	-	-	-	DZW10A	DZW10A	DZW10A	DZW15A	DZW20A	DZW30A	DZW45A	DZW60A	DZW90
Model		J3a6(A) R-CC10、J3a6(A) R-CA20、J3a6 (A) R-CS30													
Pressure		2.5MPa													
Hand Operated	Size	15	20	25	32	40	50	65	80	100	125	150	200	250	300
	L	130	150	160	180	200	230	290	310	350	400	480	600	650	750
	H	218	260	275	282	332	350	405	360	412	462	510	715	789	925
	W	120	140	160	180	200	240	280	280	320	360	400	400	450	500
	Weight	5.5	7.4	7.8	8.7	12.4	15	24.5	31	36	88	98	183	443	654
Electric Driving	H	-	-	-	-	-	642	695	712	772	785	812	965	1138	1285
	W	-	-	-	-	-	960	960	960	960	960	1325	1325	1370	1370
	Weight	-	-	-	-	-	52	63	68	75	122	215	327	555	786
	Electric Device	-	-	-	-	-	DZW10A	DZW10A	DZW15A	DZW20A	DZW30A	DZW45A	DZW60A	DZW90	DZW120

FLANGED CONNECTION GB CAST STEEL GLOBE VALVE

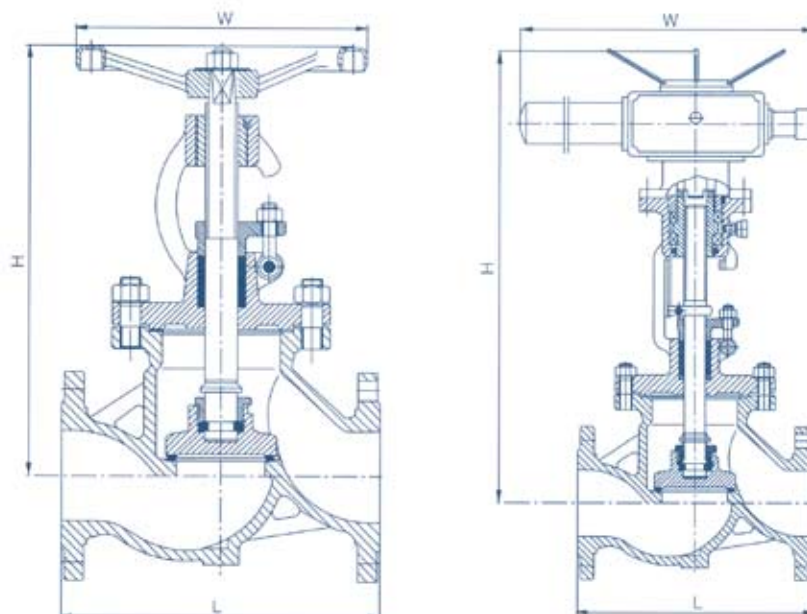


Size & weight

PN4.0~6.4MPa

Model		J4a6(A) F-CC10、J4a6(A) F-CA20、J4a6 (A) F-CS30											
Pressure		4.0MPa											
Size		15	20	25	32	40	50	65	80	100	125	150	200
Hand Operated	L	130	150	160	180	200	230	290	310	350	400	480	600
	H	235	278	288	305	358	378	408	435	482	555	613	725
	W	120	140	160	180	200	240	280	320	360	400	400	400
	Weight	5.9	7.5	8.0	8.9	12.5	15.2	24.6	32	40	90	105	189
Electric Driving	H	-	-	-	-	-	642	695	712	772	785	812	965
	W	-	-	-	-	-	960	960	960	960	1325	1325	1370
	Weight	-	-	-	-	-	61	78	85	105	205	228	400
	Electric Device	-	-	-	-	-	DZW10A	DZW10A	DZW20A	DZW30A	DZW45A	DZW60A	DZW90
Model		J5a6(A) F-CC10、J5a6(A) F-CA20、J5a6 (A) F-CS30											
Pressure		6.4MPa											
Size		15	20	25	32	40	50	65	80	100	125	150	200
Hand Operated	L	170	190	210	230	260	300	340	380	430	500	556	650
	H	218	260	275	325	360	410	450	485	535	630	650	810
	W	140	160	180	200	240	280	320	360	400	400	450	500
	Weight	10.2	13.5	15	20	25	36	47	55	123	130	155	285
Electric Driving	H	-	-	-	-	-	710	752	785	835	1030	1065	1215
	W	-	-	-	-	-	960	960	960	1325	1325	1370	1370
	Weight	-	-	-	-	-	65	78	85	173	245	300	420
	Electric Device	-	-	-	-	-	DZW10A	DZW15A	DZW30A	DZW45A	DZW60A	DZW90	DZW120

FLANGED CONNECTION GB CAST STEEL GLOBE VALVE



Size & weight

PN10.0~16.0MPa

Model		J6a6(A) J-CC10、J6a6(A) J-CA20、J6a6 (A) J-CS30											
Pressure		10.0MPa											
Size		15	20	25	32	40	50	65	80	100	125	150	200
Hand Operated	L	170	190	210	230	260	300	340	380	430	500	550	650
	H	220	260	275	325	360	415	455	485	538	635	650	812
	W	120	140	160	180	200	240	280	280	320	360	400	400
	Weight	10.5	14	15.5	21	26.5	27	49	56	125	134	158	288
Electric Driving	H	-	-	-	-	-	715	760	788	840	1032	1072	1220
	W	-	-	-	-	-	960	960	1325	1325	1370	1370	1395
	Weight	-	-	-	-	-	82	105	178	195	288	450	855
	Electric Device	-	-	-	-	-	DZW20A	DZW30A	DZW45A	DZW60A	DZW90	DZW120	DZW180
Model		J7a6(A) J-CC10、J7a6(A) J-CA20、J7a6 (A) J-CS30											
Pressure		16.0MPa											
Size		15	20	25	32	40	50	65	80	100	125	150	125
Hand Operated	L	170	190	210	230	260	300	340	380	430	500	550	650
	H	220	262	275	326	362	417	455	485	540	-	-	-
	W	140	160	180	200	240	250	320	400	450	-	-	-
	Weight	12.5	15.5	18	22	35	53	72	101	120	-	-	-
Electric Driving	H	-	-	-	-	-	745	825	940	1152	1185	1230	1500
	W	-	-	-	-	-	960	1325	1370	1370	1435	1435	1785
	Weight	-	-	-	-	-	95	165	220	2403	500	678	1125
	Electric Device	-	-	-	-	-	DZW30A	DZW45A	DZW90	DZW120	DZW180	DZW250	DZW350

FLANGED & BUTT-WELDING CONNECTION ANSI CAST STEEL GLOBE VALVE

Products design features

ANSI cast steel globe valves are used to cut or connect the pipe medium in Class150~2500 and working temperatures $\leq 600^{\circ}\text{C}$, in oil & chemical industry, thermal power station.

Main structural features:

1. The products designs are in accordance with the ANSI B16.34 and BS 1873, with rational structure, reliable seal, excellent performance, and pretty appearance.
2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life.
3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant.
4. The central cavity with pressures \geq Class1500 adopts self-tightening sealing structure, which means that the sealing will rise with the internal pressure, and the sealing is highly reliable.
5. There is backward sealing structure in the valve, so the sealing is reliable.
6. The material of the parts and the flange sizes can be chose and matched according to the applications and the requirements of the users. That can satisfies all kinds of working requirements.

Products specification

Model	Connecting type	Class	Nominal size															
			1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16	
J26R	Flanged ends	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
J36R	Flanged ends	300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
J56J	Flanged ends	600	—	—	—	—	—	☆	☆	☆	☆	☆	☆	☆	—	—	—	
J76J	Flanged ends	900	—	—	—	—	—	☆	☆	☆	☆	☆	☆	☆	—	—	—	
J78J	Flanged ends	900	—	—	—	—	—	☆	☆	☆	☆	—	—	—	—	—	—	
J88J	Flanged ends	1500	—	—	—	—	—	☆	☆	☆	☆	—	—	—	—	—	—	
J98J	Flanged ends	2500	—	—	—	—	—	☆	☆	☆	☆	—	—	—	—	—	—	
J78A(C)J	Flanged ends	900	—	—	—	—	—	—	—	—	☆	☆	☆	☆	—	—	—	
J88A(C)J	Flanged ends	1500	—	—	—	—	—	—	—	—	☆	☆	☆	☆	—	—	—	
J98A(C)J	Flanged ends	2500	—	—	—	—	—	—	—	—	☆	☆	☆	☆	—	—	—	
J78A(C)S7W	Butt-welding ends	900	—	—	—	—	—	—	—	—	☆	☆	☆	☆	—	—	—	
J88A(C)S7W	Butt-welding ends	1500	—	—	—	—	—	—	—	—	☆	☆	☆	☆	—	—	—	
J98A(C)S9W	Butt-welding ends	2500	—	—	—	—	—	—	—	—	☆	☆	☆	—	—	—	—	

Products performance specification

Pressure grade	(MPa) Intensity test pressure	(MPa) Sealing test pressure	(MPa) Back seal test pressure	(MPa) Gas test pressure	Temperature	Medium
150	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas
300	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas
600	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas
900	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas
1500	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas
2500	$1.5 \times \text{PN}$	$1.1 \times \text{PN}$	$1.1 \times \text{PN}$	0.4~0.7	$\leq 600^{\circ}\text{C}$	Water, oil & gas

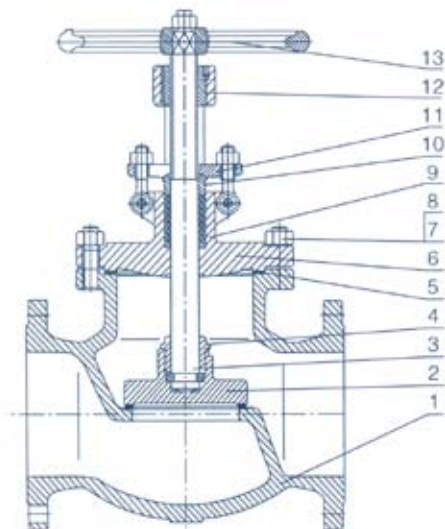
Notes :PN is requested pressure for the body under the 38°C



BOLTED BONNET ANSI CAST STEEL GLOBE VALVE

Structural Formation	BB-BG-OS&Y
Driving	Hand-operated
Design Standard	ASME B 16.34 BS 1873
Face to Face	ASME B 16.10
Flanged Ends	ASME B 16.5
Test & Inspection	API 598

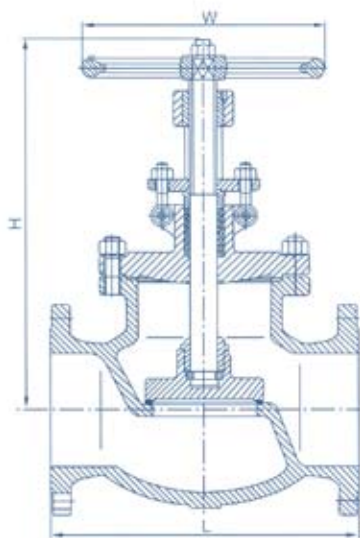
Notes: The sizes of serial valve connecting flange & butt welding end can be designed according to customers' requirement.



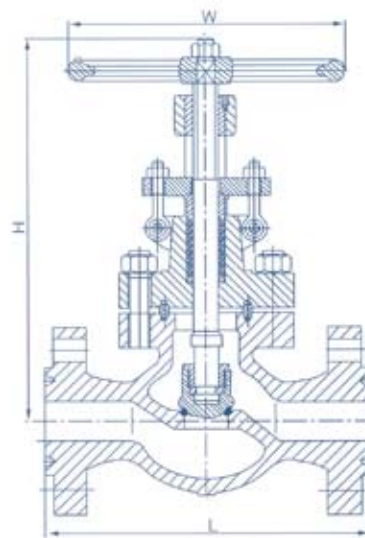
Form of major parts materials

No.	Part name	Material
1	Body	ASTM A216-WCB, ASTM A352-LCB ASTM A217-WC1, WC6, WC9, C5 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	Disc	ASTM A182-F6a, ASTM A182-F22, ASTM A350-LF2 ASTM A182-F304, F316, F321, F304L, F316L
3	Stem	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	Flat cover	ASTM A182-F6a, ASTM A182-F22, ASTM A350-LF2 ASTM A182-F304, F316, F321, F304L, F316L
5	Gasket	Graphite & stainless steel
6	Bonnet	ASTM A216-WCB, ASTM A352-LCB ASTM A217 WC1, WC6, WC9, C5 ASTM A351 CF8, CF8M, CF8C, CF3, CF3M
7	Bolt	ASTM A193-B7, A320-B8, A193-B8M, A193-L7
8	Nut	ASTM A194 2H, A194 8, A194 8M, 194-4
9	Packing	Flexible Graphite
10	Gland	ASTM A276, 410 ASTM A276, 304, 316, 321, 304L, 316L
11	Gland flange	ASTM A216-WCB, ASTM A352-LCB ASTM A351 CF8, CF8M, CF8C, CF3, CF3M
12	Stem nut	Copper alloy
13	Hand wheel	ASTM A47-32510

BOLTED BONNET ANSI CAST STEEL GLOBE VALVE



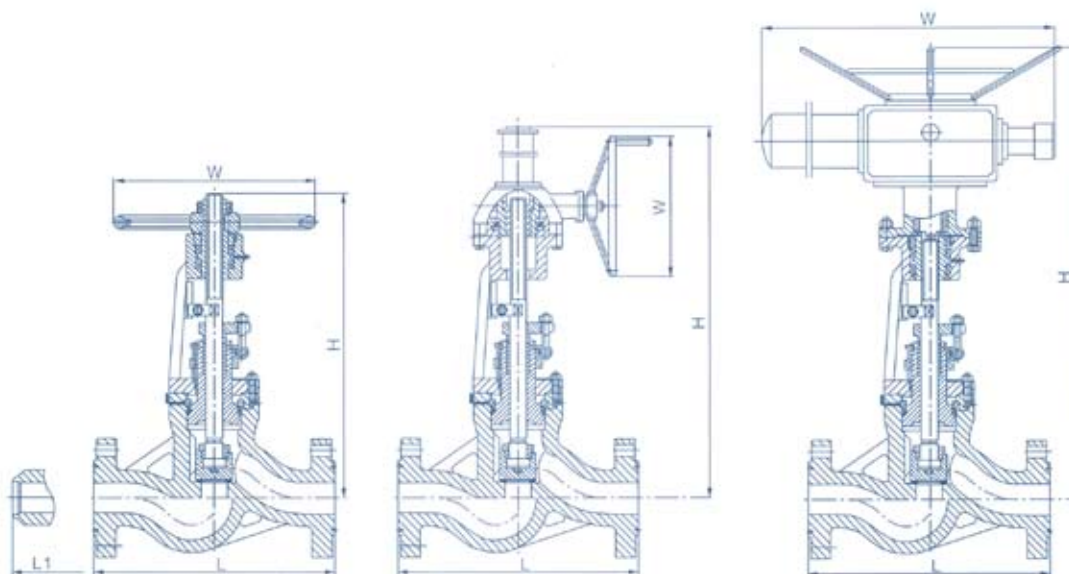
Class150-300



Class600-900

Size & weight															Class 150~900		
Model		J26R-CC10、J26R-CA20、J26R-CS30															
Class		150															
Size	mm	15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	
	in	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16	
L		108	117	127	140	165	203	216	241	292	406	495	622	698	787	914	
H		241	241	242	280	286	338	373	400	475	523	587	739	811	950	996	
W		125	125	125	160	160	200	200	250	250	355	450	450	500	600	600	
Weight (Kg)		-	-	-	-	-	18	30	36	55	104	200	300	390	610	880	
Model		J36R-CC10、J36R-CA20、J36R-CS30															
Class		300															
Size	mm	15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	
	in	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16	
L		152	178	203	216	229	267	292	318	356	444	559	622	711	762	864	
H		241	241	283	320	322	353	398	422	495	676	912	950	1031	1130	1311	
W		125	125	160	200	200	200	250	280	355	450	450	500	500	600	600	
Weight (Kg)		-	-	-	-	-	25	30	52	88	160	259	420	595	876	1010	
Model		J56J-CC10、J56J-CA20、J56J-CS30										J76J-CC10、J76J-CA20、J76J-CS30					
Class		600							900								
Size	mm	50	65	80	100	150	200	250	50	65	80	100	150	200	250		
	in	2	2½	3	4	6	8	10	2	2½	3	4	6	8	10		
L		295	334	359	435	562	664	791	372	442	384	461	613	740	842		
H		396	447	495	599	790	1013	1181	589	660	700	795	1107	1184	1243		
W		180	250	250	350	450	500	600	320	320	350	450	600	720	760		
Weight (Kg)		35	50	90	150	300	510	850	65	75	120	200	410	790	1300		

PRESSURE SEALED ANSI CAST STEEL GLOBE VALVE



Size & weight

Class900

Model	J78(A, C) J-CC10, J78(A, C) J-CA20, J78(A, C) J-CS30							
	Flanged	J78(A, C) S7W-CC10, J78(A, C) S7W-CA20, J78(A, C) S7W-CS30						
	Butt-welding							
	Class	900						
Size	mm	50	65	80	100	150	200	250
	in	2	2 1/2	3	4	6	8	10
Flanged	L	371	422	384	460	613	740	841
Butt-Welding	L1	368	419	381	457	610	737	838
Hand Operated	H	470	560	685	830	-	-	-
	W	350	400	400	500	-	-	-
	Weight (Kg)	110	130	140	230	-	-	-
Gear Driving	H	-	-	-	880	1135	1495	1960
	W	-	-	-	460	460	610	610
	gear Drive	-	-	-	BA-1	BA-1	BA-2	BA-2
	Weight (Kg)	-	-	-	250	500	900	1200
	H	-	-	-	880	1135	1495	1960
Electric Driving	W	-	-	-	809	809	863	863
	Torque(N.m)	-	-	-	900	1200	1800	2000
	Weight (Kg)	-	-	-	382	635	1155	1455
Pipe Thickness(mm)		SCH120						

The size is come into being only through butt-welded joint, and the size of piping can be selected and allocated according to the requirement of users.

PRESSURE SEALED ANSI CAST STEEL GLOBE VALVE

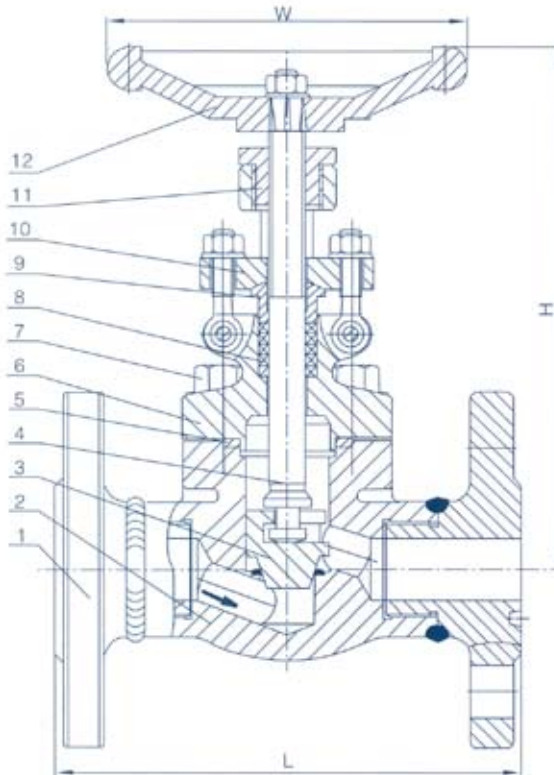
Size & weight		Class1500						
Model	Flanged	J88(A, C) J-CC10, J88(A, C) J-CA20, J88(A, C) J-CS30						
	Butt-welding	J88(A, C) S7W-CC10, J88(A, C) S7W-CA20, J88(A, C) S7W-CS30						
Class		1500						
Size	mm	50	65	80	100	150	200	250
	in	2	2 1/2	3	4	6	8	10
Flanged	L	371	422	473	549	711	841	1000
Butt-Welding	L1	368	419	470	546	704	831	990
	H	535	670	838	1193	-	-	-
Hand Operated	W	400	500	500	560	-	-	-
	Weight (Kg)	130	175	245	350	-	-	-
Gear Driving	H	-	-	-	990	1280	1615	2170
	W	-	-	-	460	610	610	610
Gear Driving	Gear Drive	-	-	-	BA-1	BA-2	BA-2	BA-2
	Weight (Kg)	-	-	-	370	720	1370	1675
Electric Driving	H	-	-	-	880	1135	1495	1960
	W	-	-	-	809	863	863	863
Electric Driving	Torque(N.m)	-	-	-	1200	1800	2500	2500
	Weight (Kg)	-	-	-	505	855	1628	1933
Pipe Thickness(mm)		SCH120						

The size is come into being only through butt-welded joint, and the size of piping can be selected and allocated according to the requirement of users.

Size & weight		Class2500						
Model	Flanged	J98(A, C) J-CC10, J98(A, C) J-CA20, J98(A, C) J-CS30						
	Butt-welding	J98(A, C) S7W-CC10, J98(A, C) S9W-CA20, J98(A, C) S9W-CS30						
Class		2500						
Size	mm	50	65	80	100	150	200	
	in	2	2 1/2	3	4	6	8	
Flanged	L	454	514	584	683	927	1038	
Butt-Welding	L1	451	508	578	673	814	1022	
	H	650	840	990	1210	-	-	
Hand Operated	W	500	560	600	680	-	-	
	Weight (Kg)	180	250	350	580	-	-	
Gear Driving	H	-	-	-	1090	1470	1735	
	W	-	-	-	610	610	610	
Gear Driving	Gear Drive	-	-	-	BA-2	BA-2	BA-2	
	Weight (Kg)	-	-	-	615	990	1620	
Electric Driving	H	-	-	-	1090	1470	1735	
	W	-	-	-	863	863	960	
Electric Driving	Torque(N.m)	-	-	-	1800	2500	3000	
	Weight (Kg)	-	-	-	870	1248	2050	
Pipe Thickness(mm)		SCH160						

The size is come into being only through butt-welded joint, and the size of piping can be selected and allocated according to the requirement of users.

FORGED STEEL GLOBE VALVE



Technical specification

Structural Formation	BB-BG-OS&Y (WB-BG-OS&Y)
Driving Manner	Hand-operated
Design Standard	ASME B16.34, BS 5352
Structural Length	ASME B16.10
Flanged Ends	ASME B16.5
Test & Inspection	API 598

Form of major parts materials

No.	Part name	Material
1	Flange	ASTM A105, A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
2	Body	ASTM A105, A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Disc	ASTM A105, A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
4	Stem	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
5	Gasket	Graphite & stainless steel
6	Bonnet	ASTM A105, A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
7	Bolt	ASTMA193-B7, A320-B8, A193-B8M
8	Packing	Flexible Graphite
9	Gland	ASTM A105 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
10	Gland flange	ASTM A216-WCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
11	Stem nut	Copper alloy
12	Hand wheel	ASTM A47-32510

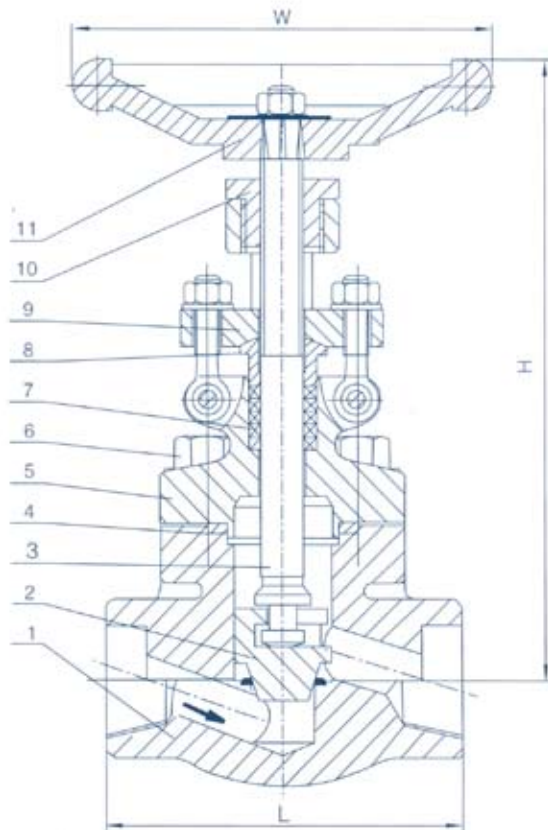
Size & weight

Class 150, 300, 600

Model	J26(A)R(J)-C10, A20, S30							J36(A)R(J)-C10, A20, S30							J56(A)R(J)-C10, A20, S30						
Class	150							300							600						
Size	mm	15	20	25	32	40	50	15	20	25	32	40	50	15	20	25	32	40	50		
	in	1/2	3/4	1	1 1/4	1 1/2	2	1/2	3/4	1	1 1/4	1 1/2	2	1/2	3/4	1	1 1/4	1 1/2	2		
L (mm)	RF	108	1175	127	140	165	203	152.5	178	203	216	228.5	266.5	165	190.5	216	229	241	292		
	RTJ	119	130	140	153	178	216	163.5	191	216	229	241	282	163.5	190.5	216	229	241	295		
H ¹ (mm)		170	170	205	225	254	292	170	170	205	225	254	292	170	170	205	225	254	292		
W (mm)		100	100	125	160	160	180	100	100	125	160	160	180	100	100	125	160	160	180		
Weight(Kg)		3.5	4.8	6.5	9.8	12	15	4.2	5.3	7.5	11.3	16.5	18.2	5.5	7.0	9.7	12.5	18.4	20		

Notes: H represents the height in full opening condition of valve.

FORGED STEEL GLOBE VALVE



Technical specification

Structural Formation	BB-BG-OS&Y (WB-BG-OS&Y)
Driving Manner	Hand-operated
Design Standard	ASME B16.34, BS 5352
Thread Ends	ASME B1.20.1
Socket Welded Ends	ASME B16.11
Test & Inspection	API 598

Form of major parts materials

No.	Part name	Material
1	Body	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
2	Disc	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Stem	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	Gasket	Graphite & stainless steel
5	Bonnet	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
6	Bolt	ASTM A193-B7, A320-B8, A193-B8M
7	Packing	Flexible Graphite
8	Gland	ASTM A105 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
9	Gland flange	ASTM A216-WCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
10	Stem nut	Copper alloy
11	Hand wheel	ASTM A47-32510

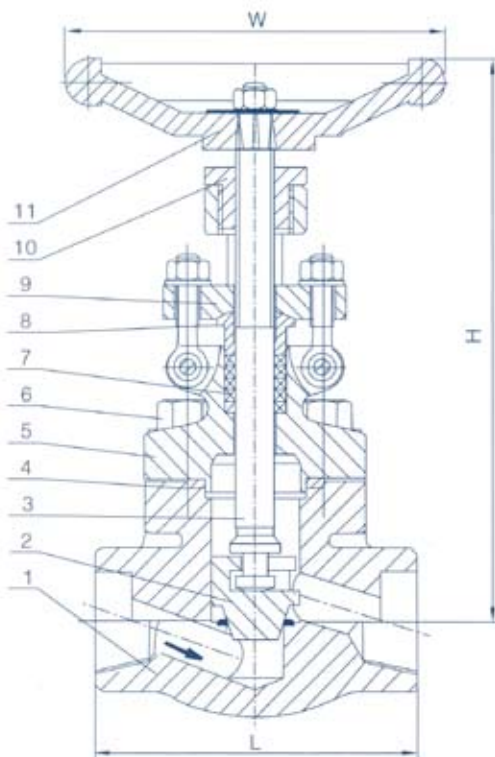
Size & weight

Class 800

Model		J66(A)S-C10, A20, S30			J66(A)T-C10, A20, S30			
Size	Class	800						
	mm(in)							
	Reduced bore	15 (1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	mm(in)							
	Full bore	10(3/8)	15 (1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L (mm)		80	92	111	120	120	140	178
H ¹ (mm)		170	170	205	225	254	292	330
W (mm)		100	100	125	160	160	180	240
Weight(Kg)		1.9	2.1	3.2	6.9	6.9	10.4	15.8

Notes: H represents the height in full opening condition of valve.

FORGED STEEL GLOBE VALVE



Technical specification

Structural Formation	BB-BG-OS&Y (WB-BG-OS&Y)
Driving Manner	Hand-operated
Design Standard	ASME B16.34, BS 5352
Thread Ends	ASME B1.20.1
Socket Welded Ends	ASME B16.11
Test & Inspection	API 598

Form of major parts materials

No.	Part name	Material
1	Body	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
2	Disc	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Stem	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	Gasket	Graphite & stainless steel
5	Bonnet	ASTM A105, STM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
6	Bolt	ASTM A193-B7, A320-B8, A193-B8M
7	Packing	Flexible Graphite
8	Gland	ASTM A105 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
9	Gland flange	ASTM A216-WCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
10	Stem nut	Copper alloy
11	Hand wheel	ASTM A47-32510

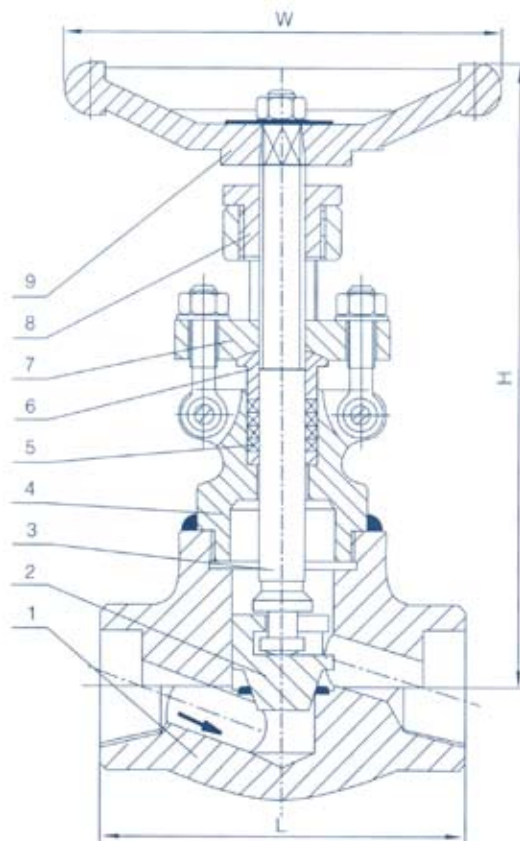
Size & weight

Class 1500

Model		J86(A)S-C10, A20, S30			J86(A)T-C10, A20, S30			
Class		1500						
Size	mm(in)	15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)	
	Reduced bore							
	mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)
	Full bore							
L (mm)		111	111	130	150	172	220	230
H ¹ (mm)		205	205	240	258	290	336	428
W (mm)		125	125	160	160	160	180	234
Weight(Kg)		4.5	4.3	6.8	8.5	12.6	19.2	30

Notes: H represents the height in full opening condition of valve.

FORGED STEEL GLOBE VALVE



Technical specification

Structural Formation	WB-BG-OS&Y
Driving Manner	Hand-operated
Design Standard	ASME B16.34, BS 5352
Thread Ends	ASME B1.20.1
Socket Welded Ends	ASME B16.11
Test & Inspection	API 598

No.	Part name	Material
1	Body	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
2	Disc	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
3	Stem	ASTM A182-F6a, ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	Bonnet	ASTM A105, ASTM A350-LF2 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
5	Packing	Flexible Graphite
6	Gland	ASTM A105 ASTM A182-F11, F22, F5, F9 ASTM A182-F304, F316, F321, F304L, F316L
7	Gland flange	ASTM A216-WCB ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
8	Stem nut	Copper alloy
9	Hand wheel	ASTM A47-32510

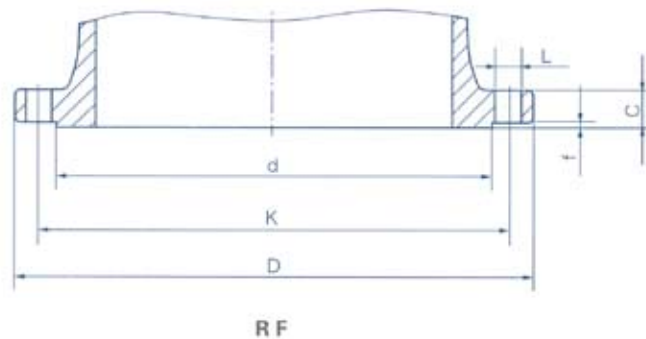
Size & weight

Class 2500

Model		J96(A)S-C10、A20、S30			J96(A)T-C10、A20、S30			
Class		2500						
Size	mm(in) Reduced bore	15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)	
	mm(in) Full bore	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)
L (mm)		111	127	127	180	180	210	230
H ^① (mm)		190	225	246	287	290	362	420
W (mm)		125	140	160	160	180	200	240
Weight(Kg)		4.5	5.5	8.0	13.2	12.8	19.8	30

Notes: H represents the height in full opening condition of valve.

INTEGRAL STEEL PIPE FLANGE



PN1.6、2.5MPa R F JB/T79.1-94

PN1.6MPa R F JB/T79.1-94								PN2.5MPa R F JB/T79.1-94							
DN	D	K	L	(Bolt)n-Th	d	f	C	DN	D	K	L	(Bolt)n-Th	d	f	C
15	95	65	14	4-M12	45	2	14	15	95	65	14	4-M12	45	2	16
20	105	75	14	4-M12	55	2	14	20	105	75	14	4-M12	55	2	16
25	115	85	14	4-M12	65	2	14	25	115	85	14	4-M12	65	2	16
32	140	100	18	4-M16	78	2	16	32	140	100	18	4-M16	78	2	18
40	150	110	18	4-M16	85	3	16	40	150	110	18	4-M16	85	3	18
50	165	125	18	4-M16	100	3	16	50	165	125	18	4-M16	100	3	20
65	185	145	18	4-M16	120	3	18	65	185	145	18	8-M16	120	3	22
80	200	160	18	8-M16	135	3	20	80	200	160	18	8-M16	135	3	22
100	220	180	18	8-M16	155	3	20	100	230	190	23	8-M20	160	3	24
125	250	210	18	8-M16	185	3	22	125	270	220	26	8-M24	188	3	28
150	285	240	23	8-M20	210	3	24	150	300	250	26	8-M24	218	3	30
200	340	295	23	12-M20	265	3	26	200	360	310	26	12-M24	278	3	34
250	405	355	26	12-M24	320	3	30	250	425	370	30	12-M27	332	3	36
300	460	410	26	12-M24	375	4	30	300	485	430	30	16-M27	390	4	40
350	520	470	26	16-M24	435	4	34	350	555	490	34	16-M30	448	4	44
400	580	525	30	16-M27	485	4	36	400	620	550	36	16-M33	505	4	48
450	640	585	30	20-M27	545	4	40	450	670	600	36	20-M33	555	4	50
500	715	650	34	20-M30	608	4	44	500	730	660	36	20-M33	610	4	52

PN1.6、2.5MPa R F GB/T9113.1-2000

PN1.6MPa R F GB/T9113.1-2000							
DN	D	K	L	(Bolt)n-Th	d	f	C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	2	16
32	140	100	18	4-M16	76	2	18
40	150	110	18	4-M16	84	2	18
50	165	125	18	4-M16	99	2	20
65	185	145	18	4-M16	118	2	20
80	200	160	18	8-M16	132	2	20
100	220	180	18	8-M16	156	2	22
125	250	210	18	8-M16	184	2	22
150	285	240	22	8-M20	211	2	24
200	340	295	22	12-M20	266	2	24
250	405	355	26	12-M24	319	2	26
300	460	410	26	12-M24	370	2	28
350	520	470	26	16-M24	429	2	30
400	580	525	30	16-M27	480	2	32
450	640	585	30	20-M27	548	2	40
500	715	650	33	20-M30	609	2	44

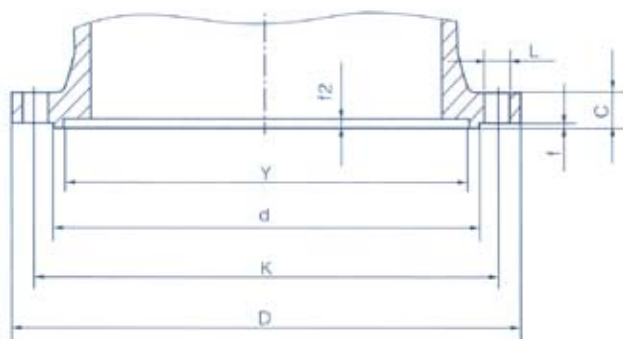
PN2.5MPa R F GB/T9113.1-2000							
DN	D	K	L	(Bolt)n-Th	d	f	C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	2	16
32	140	100	18	4-M16	76	2	18
40	150	110	18	4-M16	84	2	18
50	165	125	18	4-M16	99	2	20
65	185	145	18	8-M16	118	2	22
80	200	160	18	8-M16	132	2	24
100	230	190	23	8-M20	156	2	24
125	270	220	26	8-M24	184	2	26
150	300	250	26	8-M24	211	2	28
200	360	310	26	12-M24	274	2	30
250	425	370	30	12-M27	330	2	32
300	485	430	30	16-M27	389	2	34
350	555	490	34	16-M30	448	2	38
400	620	550	36	16-M33	503	2	40
450	670	600	36	20-M33	548	2	46
500	730	660	36	20-M33	609	2	48

PN1.6、2.5MPa R F HG20596-97

PN1.6MPa R F HG20596-97							
DN	D	K	L	(Bolt)n-Th	d	f	C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	2	16
32	140	100	18	4-M16	76	2	18
40	150	110	18	4-M16	84	2	18
50	165	125	18	4-M16	99	2	20
65	185	145	18	4-M16	118	2	20
80	200	160	18	8-M16	132	2	20
100	220	180	18	8-M16	156	2	22
125	250	210	18	8-M16	184	2	22
150	285	240	22	8-M20	211	2	24
200	340	295	22	12-M20	266	2	24
250	405	355	26	12-M24	319	2	26
300	460	410	26	12-M24	370	2	28
350	520	470	26	16-M24	429	2	30
400	580	525	30	16-M27	480	2	32
450	640	585	30	20-M27	548	2	34
500	715	650	30	20-M30×2	609	2	34

PN2.5MPa R F HG20596-97							
DN	D	K	L	(Bolt)n-Th	d	f	C
15	95	65	14	4-M12	46	2	14
20	105	75	14	4-M12	56	2	16
25	115	85	14	4-M12	65	2	16
32	140	100	18	4-M16	76	2	18
40	150	110	18	4-M16	84	2	18
50	165	125	18	4-M16	99	2	20
65	185	145	18	8-M16	118	2	22
80	200	160	18	8-M16	132	2	24
100	230	190	22	8-M20	156	2	24
125	270	220	26	8-M24	184	2	26
150	300	250	26	8-M24	211	2	28
200	360	310	26	12-M24	274	2	30
250	425	370	30	12-M27	330	2	32
300	485	430	30	16-M27	389	2	34
350	555	490	33	16-M30×2	448	2	38
400	620	550	36	16-M33×2	503	2	40
450	670	600	36	20-M33×2	548	2	42
500	730	660	36	20-M33×2	609	2	44

INTEGRAL STEEL PIPE FLANGE



FM

PN4.0, 6.3MPa FM JB/T79.2-94

PN4.0MPa FM JB/T79.2-94									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	95	65	14	4-M12	45	40	2	4	16
20	105	75	14	4-M12	55	51	2	4	16
25	115	85	14	4-M12	65	58	2	4	16
32	140	100	18	4-M16	78	66	2	4	18
40	150	110	18	4-M16	85	76	3	4	18
50	165	125	18	4-M16	100	88	3	4	20
65	185	145	18	8-M16	120	110	3	4	22
80	200	160	18	8-M16	135	121	3	4	22
100	235	190	23	8-M20	160	150	3	4.5	24
125	270	220	26	8-M24	188	176	3	4.5	28
150	300	250	26	8-M24	218	204	3	4.5	30
200	375	320	30	12-M27	282	260	3	4.5	38
250	450	385	34	12-M30	345	313	3	4.5	42
300	515	450	34	16-M30	408	364	4	4.5	46
350	580	510	36	16-M33	465	422	4	5	52
400	660	585	41	16-M36	535	474	4	5	58

PN6.3MPa FM JB/T79.2-94									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	105	75	14	4-M12	55	40	2	4	18
20	130	90	18	4-M16	68	51	2	4	20
25	140	100	18	4-M16	78	58	2	4	22
32	155	110	23	4-M20	82	66	2	4	24
40	170	125	23	4-M20	95	76	3	4	24
50	180	135	23	4-M20	105	88	3	4	26
65	205	160	23	8-M20	130	110	3	4	28
80	215	170	23	8-M20	140	121	3	4	30
100	250	200	26	8-M24	168	150	3	4.5	32
125	295	240	30	8-M27	202	176	3	4.5	36
150	345	280	34	8-M30	240	204	3	4.5	38
200	405	345	36	12-M33	300	260	3	4.5	44
250	470	400	36	12-M33	352	313	3	4.5	48
300	530	460	36	16-M33	412	364	4	4.5	54
350	600	525	41	16-M36	475	422	4	5	60
400	670	585	42	16-M39	525	474	4	5	66

PN4.0, 6.3MPa FM GB/T9113.2-2000

PN4.0MPa FM GB/T9113.2-2000									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	95	65	14	4-M12	46	40	4	3	14
20	105	75	14	4-M12	56	51	4	3	16
25	115	85	14	4-M12	65	58	4	3	16
32	140	100	18	4-M16	76	66	4	3	18
40	150	110	18	4-M16	84	76	4	3	18
50	165	125	18	4-M16	99	88	4	3	20
65	185	145	18	8-M16	118	110	4	3	22
80	200	160	18	8-M16	132	121	4	3	24
100	235	190	22	8-M20	156	150	4.5	3.5	24
125	270	220	26	8-M24	184	176	4.5	3.5	26
150	300	250	26	8-M24	211	204	4.5	3.5	28
200	375	320	30	12-M27	284	260	4.5	3.5	34
250	450	385	33	12-M30	345	313	4.5	3.5	38
300	515	450	33	16-M30	409	364	4.5	3.5	42
350	580	510	36	16-M33	465	422	5	4	46
400	660	585	39	16-M36	535	474	5	4	50

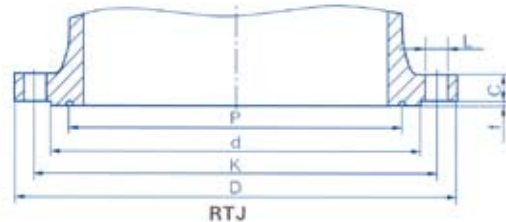
PN6.3MPa FM GB/T9113.2-2000									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	105	75	14	4-M12	46	40	4	3	20
20	130	90	18	4-M16	56	51	4	3	20
25	140	100	18	4-M16	65	58	4	3	24
32	155	110	22	4-M20	76	66	4	3	24
40	170	125	22	4-M20	84	76	4	3	26
50	180	135	22	4-M20	99	88	4	3	26
65	205	160	22	8-M20	118	110	4	3	26
80	215	170	22	8-M20	132	121	4	3	28
100	250	200	26	8-M24	156	150	4.5	3.5	30
125	295	240	30	8-M27	184	176	4.5	3.5	34
150	345	280	33	8-M30	211	204	4.5	3.5	36
200	415	345	36	12-M33	284	260	4.5	3.5	42
250	470	400	36	12-M33	345	313	4.5	3.5	46
300	530	460	36	16-M33	409	364	4.5	3.5	52
350	600	525	39	16-M36	465	422	5	4	56
400	670	585	42	16-M39	535	474	5	4	60

PN4.0, 6.3MPa FM HG20596-97

PN4.0MPa FM HG20596-97									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	95	65	14	4-M12	46	40	4	3	14
20	105	75	14	4-M12	56	51	4	3	16
25	115	85	14	4-M12	65	58	4	3	16
32	140	100	18	4-M16	76	66	4	3	18
40	150	110	18	4-M16	84	76	4	3	18
50	165	125	18	4-M16	99	88	4	3	20
65	185	145	18	8-M16	118	110	4	3	22
80	200	160	18	8-M16	132	121	4	3	24
100	235	190	22	8-M20	156	150	4.5	3.5	24
125	270	220	26	8-M24	184	176	4.5	3.5	26
150	300	250	26	8-M24	211	204	4.5	3.5	28
200	375	320	30	12-M27	284	260	4.5	3.5	34
250	450	385	33	12-M30x2	345	313	4.5	3.5	38
300	515	450	33	16-M30x2	409	364	4.5	3.5	42
350	580	510	36	16-M33x2	465	422	5	4	46
400	660	585	39	16-M36x2	535	474	5	4	50

PN6.3MPa FM HG20596-97									
DN	D	K	L	(Bolt)n-Th	d	Y	f	f2	C
15	105	75	14	4-M12	46	40	4	3	20
20	130	90	18	4-M16	56	51	4	3	20
25	140	100	18	4-M16	65	58	4	3	24
32	155	110	22	4-M20	76	66	4	3	24
40	170	125	22	4-M20	84	76	4	3	26
50	180	135	22	4-M20	99	88	4	3	26
65	205	160	22	8-M20	118	110	4	3	26
80	215	170	22	8-M20	132	121	4	3	28
100	250	200	26	8-M24	156	150	4.5	3.5	30
125	295	240	30	8-M27	184	176	4.5	3.5	34
150	345	280	33	8-M30x2	211	204	4.5	3.5	36
200	415	345	36	12-M33x2	284	260	4.5	3.5	42
250	470	400	36	12-M33x2	345	313	4.5	3.5	46
300	530	460	36	16-M33x2	409	364	4.5	3.5	52
350	600	525	39	16-M36x2	465	422	5	4	56
400	670	585	42	16-M39x2	535	474	5	4	60

INTEGRAL STEEL PIPE FLANGE



PN10.0, 16.0MPa RTJ JB/T79.4-94

PN10.0MPa RTJ JB/T79.4-94									PN10.0MPa RTJ JB/T79.4-94								
DN	D	K	L	(Boltin-Th)	d	P	f	C	DN	D	K	L	(Boltin-Th)	d	P	f	C
15	105	75	14	4-M12	55	35	6.5	20	15	110	75	18	4-M16	52	35	6.5	24
20	130	90	18	4-M16	68	45	6.5	22	20	130	90	23	4-M20	62	45	6.5	26
25	140	100	18	4-M16	78	50	6.5	24	25	140	100	23	4-M20	72	50	6.5	28
32	155	110	23	4-M20	82	65	6.5	24	32	165	115	25	4-M22	85	65	6.5	30
40	170	125	23	4-M20	95	75	6.5	26	40	175	125	27	4-M24	92	75	6.5	32
50	195	145	26	4-M24	112	85	8	28	50	215	165	25	8-M22	132	85	8	36
65	220	170	26	8-M24	138	110	8	32	65	245	190	30	8-M27	152	110	8	44
80	230	180	26	8-M24	148	115	8	34	80	260	205	30	8-M27	168	115	8	46
100	265	210	30	8-M27	172	145	8	38	100	300	240	34	8-M30	200	145	8	48
125	315	250	34	8-M30	210	175	8	42	125	355	285	41	8-M36	238	175	8	60
150	355	290	34	12-M30	250	205	8	46	150	390	318	41	12-M36	270	205	10	66
200	430	360	36	12-M33	312	265	8	54	200	480	400	48	12-M43	345	275	11	78
250	505	430	41	12-M36	382	320	8	60	250	580	485	54	12-M48	425	330	11	88
300	585	500	42	16-M39	442	375	8	74	300	665	570	54	16-M48	510	380	14	100

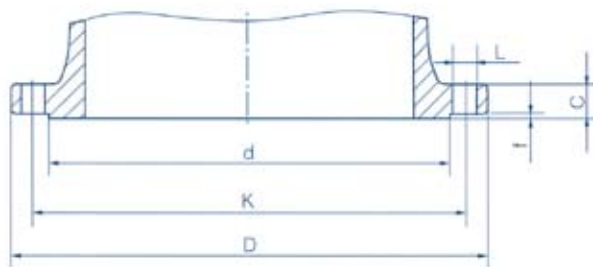
PN11.0, 15.0MPa RTJ GB/T9113.4-2000

PN11.0MPa RTJ GB/T9113.4-2000									PN15.0MPa RTJ GB/T9113.4-2000								
DN	D	K	L	(Boltin-Th)	d	P	f	C	DN	D	K	L	(Boltin-Th)	d	P	f	C
15	95	66.5	16	4-M14	51.0	34.14	5.56	14.5	15	120	82.5	22	4-M20	60.5	39.67	6.35	22.5
20	120	82.5	18	4-M16	63.5	42.88	6.35	16.0	20	130	89.0	22	4-M20	66.5	44.45	6.35	25.5
25	125	89.0	18	4-M16	70.0	50.80	6.35	17.5	25	150	101.5	26	4-M24	71.5	50.80	6.35	29.0
32	135	98.5	18	4-M16	79.5	60.32	6.35	21.0	32	160	111.0	26	4-M24	81.0	60.32	6.35	29.0
40	155	114.5	22	4-M20	90.5	68.28	6.35	22.5	40	180	124.0	29.5	4-M27	92.0	68.28	6.35	32.0
50	165	127.0	18	8-M16	108.0	82.55	7.92	25.5	50	215	165.0	26	8-M24	124.0	95.25	7.92	38.5
65	190	149.0	22	8-M20	127.0	101.30	7.92	29.0	65	245	190.5	29.5	8-M27	137.0	107.95	7.92	41.5
80	210	168.5	22	8-M20	146.0	123.82	7.92	32.0	80	240	190.5	26	8-M24	156.0	123.82	7.92	38.5
100	275	216.0	26	8-M24	175.0	149.22	7.92	38.5	100	290	235.0	32.5	8-M30	181.0	149.22	7.92	44.5
125	330	267.0	29.5	8-M27	210.0	180.98	7.92	44.5	125	350	279.5	35.5	8-M33	216.0	180.98	7.92	51.0
150	355	292.0	29.5	12-M27	241.0	211.12	7.92	48.0	150	380	317.5	32.5	12-M30	241.0	211.12	7.92	56.0
200	420	349.0	32.5	12-M30	302.0	269.88	7.92	55.5	200	470	393.5	39	12-M36	308.0	269.88	7.92	63.5
250	510	432.0	35.5	16-M33	358.0	323.85	7.92	63.5	250	545	470.0	39	16-M36	362.0	323.85	7.92	70.0
300	560	489.0	35.5	20-M33	413.0	381.00	7.92	67.0	300	610	533.5	39	20-M36	419.0	381.00	7.92	79.5

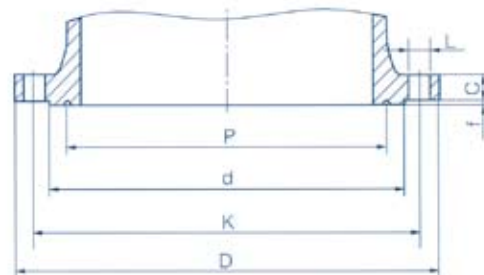
PN10.0, 16.0MPa RTJ HG20596-97

PN10.0MPa RTJ HG20596-97									PN16.0MPa RTJ HG20596-97								
DN	D	K	L	(Boltin-Th)	d	P	f	C	DN	D	K	L	(Boltin-Th)	d	P	f	C
15	105	75	14	4-M12	55	35	6.5	20	15	105	75	14	4-M12	58	35	6.5	26
20	130	90	18	4-M16	68	45	6.5	22	20	130	90	18	4-M16	70	45	6.5	30
25	140	100	18	4-M16	78	50	6.5	24	25	140	100	18	4-M16	80	50	6.5	32
32	155	110	23	4-M20	86	65	6.5	24	32	155	110	22	4-M20	86	65	6.5	34
40	170	125	23	4-M20	102	75	6.5	26	40	170	125	22	4-M20	102	75	6.5	36
50	195	145	26	4-M24	116	85	8	28	50	195	145	26	4-M24	118	85	8	38
65	220	170	26	8-M24	140	110	8	32	65	220	170	26	8-M24	142	110	8	42
80	230	180	26	8-M24	150	115	8	34	80	230	180	26	8-M24	152	115	8	46
100	265	210	30	8-M27	176	145	8	38	100	265	210	30	8-M27	178	145	8	52
125	315	250	34	8-M30x2	212	175	8	42	125	315	250	33	8-M30x2	215	175	8	56
150	355	290	34	12-M30x2	250	205	8	46	150	355	290	33	12-M30x2	255	205	10	62
200	430	360	36	12-M33x2	312	265	8	54	200	430	360	36	12-M33x2	322	275	11	66
250	505	430	41	12-M36x2	376	320	8	60	250	515	430	42	12-M39x3	388	330	11	76
300	585	500	42	16-M39x2	448	375	8	68	300	585	500	42	16-M39x3	456	380	14	88

INTEGRAL STEEL PIPE FLANGE



RF



RTJ

CLASS 150 RF

NPS	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16
D	90	100	110	120	130	152	178	190	229	279	343	406	483	533	597
K	60.5	70	79.5	89	98.5	120.5	139.5	152.5	190.5	241.5	298.5	362	432	476	540
L	16	16	16	16	16	18	18	18	18	22	22	26	26	29	29
n-Th	4-M14	4-M14	4-M14	4-M14	4-M14	4-M16	4-M16	4-M16	8-M16	8-M20	8-M20	12-M24	12-M24	12-M27	16-M27
d	35	43	51	63.5	73	92	105	127	157	216	270	324	381	413	470
f	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
c	10	10	11.5	13	14.5	16	18	19	24	26	29	31	32	35	37

CLASS 300 RF

NPS	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16
D	90	120	125	135	155	165	190	210	254	318	381	445	521	584	648
K	66.5	82.5	89	98.5	114.5	127	149	168.5	200	270	330	387.5	451	514.5	571.5
L	16	18	18	18	22	18	22	22	22	22	26	29.5	32.5	32.5	35
n-Th	4-M14	4-M16	4-M16	4-M16	4-M20	8-M16	8-M20	8-M20	8-M20	12-M20	12-M24	16-M27	16-M30	20-M30	20-M33
d	35	43	51	63.5	73	92	105	127	157	216	270	324	381	413	470
f	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
c	14.5	16	17.5	19.5	21	23	26	29	32	37	42	48	51	54	58

CLASS 600 RTJ

NPS	2	2½	3	4	6	8	10
D	165	190	210	275	355	420	510
K	127	149	168.5	216	292	349	432
L	18	22	22	26	29.5	32.5	35.5
n-Th	8-M16	8-M20	8-M20	8-M24	12-M27	12-M30	16-M33
d1	108	127	146	175	241	302	356
P	82.55	101.6	123.825	149.225	211.138	269.876	323.851
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9
C1	25.5	29	32	38.5	48	55.5	63.5

CLASS 900 RTJ

NPS	2	2½	3	4	6	8	10
D	216	244	241	292	381	470	545
K	165.1	190.5	190.5	234.9	317.5	393.7	469.9
L	26	29.5	26	32.5	32.5	39	39
n-Th	8-M24	8-M27	8-M24	8-M30	12-M30	12-M36×3	16-M36×3
d1	124	137	156	181	214	308	362
P	95.25	107.95	123.82	149.22	211.12	269.88	323.85
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9
C1	38.5	41.5	38.5	44.5	56	63.5	70

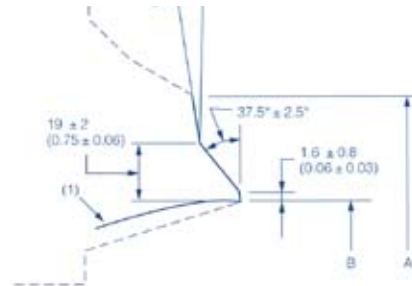
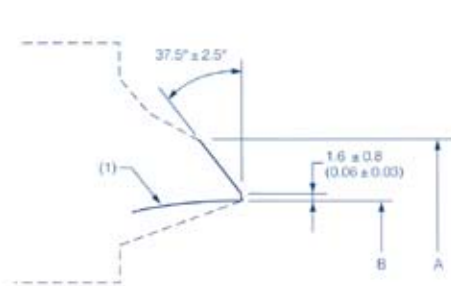
CLASS 1500 RTJ

NPS	2	2½	3	4	6	8	10
D	216	244	265	310	395	485	585
K	165.1	190.5	203	241.5	317.5	393.7	482.5
L	26	29.5	32.5	35.5	39	45	51
n-Th	8-M24	8-M27	8-M30	8-M33	12-M36×3	12-M42×3	16-M48×3
d1	124	137	168	194	248	318	371
P	95.25	107.95	136.52	161.92	211.12	269.88	323.85
f1	7.9	7.9	7.9	7.9	9.52	11.13	11.13
C1	38.5	41.5	48	54	83	92	108

CLASS 2500 RTJ

NPS	2	2½	3	4	6	8	10
D	235	265	305	355	485	550	675
K	171.5	197	228.5	273	368.5	438	539.5
L	29.5	32.5	35.5	42	55	55	68
n-Th	8-M27	8-M30	8-M33	8-M39×3	8-M52×3	12-M52×3	16-M64×3
d1	133	149	168	203	279	340	425
P	101.6	111.12	127	157.18	228.6	279.4	342.9
f1	7.92	9.52	9.52	11.13	1.7	14.27	17.48
C1	51	57.5	57.5	76.5	108	127	165.5

BUTT-WELDINGS ENDS



DN65-300						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
65	40	73.0	75	62.5	662.93	5.16
	80	73.0	75	59	59.69	7.01
	160	73.0	75	54	55.28	9.35
	XXS	73.0	75	45	47.43	14.02
80	40	88.9	91	78	78.25	5.49
	80	88.9	91	73.5	74.53	7.62
	160	88.9	91	68.5	68.38	11.13
	XXS	88.9	91	58.5	61.19	15.24
90	40	101.6	105	90	90.52	5.74
	80	101.6	105	85.5	86.42	8.08
	160	101.6	105	80	80.52	11.13
	XXS	101.6	105	70.5	70.52	15.24
100	40	114.3	117	102	102.73	6.02
	80	114.3	117	97	98.28	8.56
	160	114.3	117	92	93.78	11.13
	XXS	114.3	117	82.5	89.65	13.49
125	40	141.3	144	128	128.80	6.55
	80	141.3	144	122	123.58	9.3
	160	141.3	144	116	118.04	12.70
	XXS	141.3	144	109.5	112.47	15.88
150	40	168.3	172	154	154.62	7.11
	80	168.3	172	146.5	148.06	10.97
	160	168.3	172	140	142.29	14.27
	XXS	168.3	172	132	135.31	18.26
200	40	219.1	223	203	203.75	8.18
	60	219.1	223	198.5	200.02	10.31
	80	219.1	223	193.5	195.84	12.70
	100	219.1	223	189	191.65	15.09
250	120	219.1	223	182.5	186.11	18.26
	140	219.1	223	178	181.98	20.62
	XXS	219.1	223	174.5	179.16	22.23
	160	219.1	223	173	177.79	23.01
300	40	273.0	278	254.5	255.74	9.27
	60	273.0	278	247.5	249.74	12.70
	80	273.0	278	243	245.55	15.09
	100	273.0	278	236.5	240.01	18.26
350	120	273.0	278	230	234.44	21.44
	140	273.0	278	222	227.51	25.40
	160	273.0	278	216	221.95	28.58
	STD	323.8	329	305	306.08	9.53
400	40	323.8	329	303	304.72	10.31
	XS	323.8	329	298.5	300.54	12.70
	60	323.8	329	295	297.79	14.27

DN300-450						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
300	80	323.8	329	289	292.17	17.48
	100	323.8	329	281	285.24	21.44
	120	323.8	329	273	278.31	25.40
	140	323.8	329	266.5	272.75	28.58
350	160	323.8	329	257	264.45	33.32
	STD	355.6	362	336.5	337.88	9.53
	40	355.6	362	333.5	335.08	11.13
	XS	355.6	362	330	332.34	12.70
400	60	355.6	362	325.5	328.15	15.09
	80	355.6	362	317.5	321.22	19.05
	100	355.6	362	308	312.86	23.83
	120	355.6	362	300	305.93	27.79
450	140	355.6	362	292	299.00	31.75
	160	355.6	362	284	292.07	35.71
	STD	406.4	413	387.5	388.68	9.53
	40	406.4	413	381	383.14	12.70
500	60	406.4	413	373	376.21	16.66
	80	406.4	413	363.5	367.84	21.44
	100	406.4	413	354	359.53	26.19
	120	406.4	413	344.5	351.18	30.96
550	140	406.4	413	333.5	341.43	36.53
	160	406.4	413	325.5	334.50	40.49
	STD	457.2	464	438	439.48	9.53
	40	457.2	464	432	433.94	12.70
600	XS	457.2	464	428.5	431.19	14.27
	60	457.2	464	419	422.82	19.05
	80	457.2	464	409.5	414.46	23.83
	100	457.2	464	398.5	404.78	29.36
650	120	457.2	464	387.5	395.03	34.93
	140	457.2	464	378	386.77	39.67
	160	457.2	464	366.5	376.99	45.24

Note:(1)Characters stand for:

(a)STD=Standard schedule thickness

(b)XS=Thickened

(c)XXS=Super thickened

(2)All the diameters are not required size, just be convenient for users.

(3)Gasket rings for Dn50 and below size are not considered to manufacture.



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