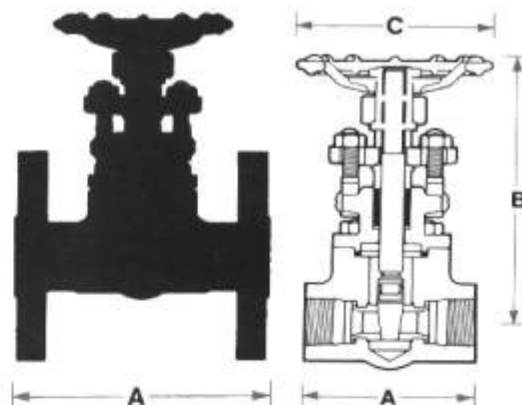


Compact Forged Steel Gate Valves

DIMENSIONS

	Nominal Size	in	mm	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
CLASS 800 REDUCED BORE	A	in	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	4 1/4	4 1/4	5 1/4
		mm	83	83	83	83	83	83	108	121	133
B (Open)	in	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	6 1/8	6 1/8	7 1/8
	mm	148	148	148	148	148	148	148	159	159	188
B (Closed)	in	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	6 1/8	6 1/8	7 1/8
	mm	135	135	135	135	135	135	135	156	156	188
C	in	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	5	5	5
	mm	89	89	89	89	89	89	89	127	127	127
CLASS 1500 FULL BORE	A Class 150	in	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	6 1/4	6 1/4	6 1/4
	mm	108	108	108	108	108	108	108	165	165	165
A Class 300	in	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	7 1/2	7 1/2	7 1/2
	mm	140	140	140	140	140	140	140	191	191	191
A Class 600	in	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	9 1/2	9 1/2	9 1/2
	mm	165	165	165	165	165	165	165	241	241	241
CLASS 800 FULL BORE	A	in	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	4 1/4	4 1/4	5 1/4
	mm	83	83	83	83	83	83	83	108	108	133
B (Open)	in	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	6 1/8	6 1/8	7 1/8
	mm	148	148	148	148	148	148	148	159	159	188
B (Closed)	in	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	5 1/8	6 1/8	6 1/8	7 1/8
	mm	135	135	135	135	135	135	135	156	156	188
C	in	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	5	5	5
	mm	89	89	89	89	89	89	89	127	127	127
A	in	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	4 1/4	4 1/4	5 1/4
	mm	95	95	95	95	95	95	95	108	108	133
B (Open)	in	6 1/8	6 1/8	6 1/8	6 1/8	6 1/8	6 1/8	6 1/8	8 1/8	8 1/8	9 1/8
	mm	162	162	162	162	162	162	162	213	213	241
B (Closed)	in	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	7 1/4	7 1/4	8 1/4
	mm	146	146	146	146	146	146	146	191	191	213
C	in	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	5	5	5
	mm	89	89	89	89	89	89	89	127	127	127
A Flanged	in	-	-	-	-	-	-	-	12	12	-
	mm	-	-	-	-	-	-	-	305	305	-

Use 1500 Series valve



Welded Bonnet Detail



STANDARD FIGURE NUMBERS

Carbon Steel ASTM A105	Low Temp CS ASTM A350LF2	NACE CS ASTM A105	NACE LTCS ASTM A350 LF2	Stainless Steel ASTM A182 F316
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Class 800

Reduced Bore Bolted Bonnet				
Socket weld 1144	K1144	X1144	N9144	WP4144
Threaded NPT 1174	K1174	X1174	N9174	WP4174
SW/THD 1154	K1154	X1154	N9154	WP4154

Welded Bonnet

Socket weld 1344	-	X1344	-	WP9344
Threaded NPT 1374	-	X1374	-	WP9374
SW/THD 1354	-	X1354	-	WP9354

FLANGED ENDS, REDUCED BORE

Bolted Bonnet				
ANSI 150RF 1481	K1481	X1481	N9481	WP4481
ANSI 300RF 1482	K1482	X1482	N9482	WP4482
ANSI 600RF 1484	K1484	X1484	N9484	WP4484

Class 800

Full Bore Bolted Bonnet				
Socket weld 1444	K1444	X1444	N9444	WP4444
Threaded NPT 1474	K1474	X1474	N9474	WP4474
SW/THD 1454	K1454	X1454	N9454	WP4454

Welded Bonnet

Socket weld 1444 WB	-	X1444 WB	-	
Threaded NPT 1474 WB	-	X1474 WB	-	
SW/THD 1454 WB	-	X1454 WB	-	

FLANGED ENDS, FULL BORE

Bolted Bonnet				
ANSI 150RF 1481 FB	K1481 FB	X1481 FB		
ANSI 300RF 1482 FB	K1482 FB	X1482 FB		
ANSI 600RF 1484 FB	K1484 FB	X1484 FB		

Class 1500

Bolted Bonnet				
Socket weld 1446	K1446	X1446	N9446	WP9446
Threaded NPT 1476	K1476	X1476	N9476	WP9476
SW/THD 1456	K1456	X1456	N9456	WP9456
Flanged 1486	K1486	X1486		

SPECIFICATION

Class 800 Forged Steel Gate Valve to API 602, BS5352, ANSI B16.34 and MSS-SP-84.

Bolted bonnet, bolted gland, outside screw rising stem solid wedge.

Expanded in seats.

Socket weld ends to ANSI B16.11 and BS3799

Threaded ends to N.P.T ANSI/ASME B1.20.1.

Available with alternative flanges see page

Flanged Specification for ANSI Class 150, 300 and 600 and PN40/10

Flanges are attached by friction welding. Every weld is tensile tested to 80% of the yield stress and post weld heat treated. All welding parameters are monitored automatically.

Every month a friction weld is sectioned and bend tested to ensure that the welding machine is in correct calibration.

Class 1500 Specification

Forged steel gate valve to BS5352. Outside screw rising stem bolted bonnet, bolted gland. Full bore except 1 1/4" size which is 1 1/2" bore, solid wedge, expanded seats.

Socket weld ends to ANSI B16.11 / BS 3799.

Threaded ends to ANSI/ASME B1.20.1.

Flanged ends to ANSI B16.5 attached by friction welding as above for classes 150-600.

Ordering Details: special features:

Full bore on flanged valves classes 150-600 or PN40/10 use figure number suffix FB, eg. fig 1481 FB.

BSPT threaded ends use suffix BSP, eg. fig 1174BSP.

For materials of construction see page 34

Figure No build up and alternative materials see page 36 - 37

For ring joint faced flanged ends use suffix RJF eg. fig 1484 RJF