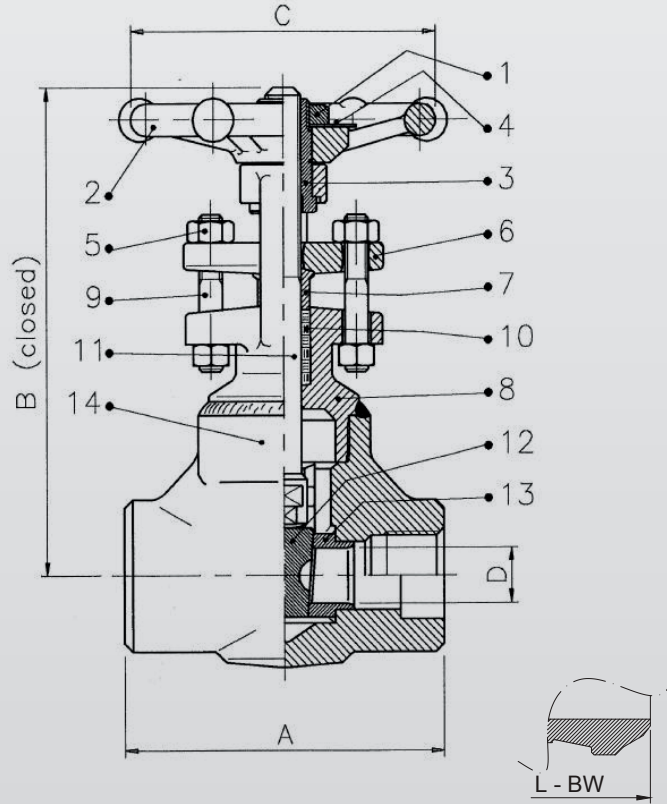


FORGED GATE VALVES WELDED BONNET



2500 Lbs

BASIC DESIGN STANDARDS

Basic Design	ISO 15761 - API 602
Wall Thickness / Pressure / Temperature	According to ANSI B16.34
Ends	SW according to ANSI B16.34 /
Dimensions	NPT-F according to ASME B1.20
Bore	Full

TEST PRESSURE TO API 598 bar

Class	Shell (water)	Seat (water)	Seat (air)
2500	637	467	6.0

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	A105/F6	F316/316
1	Handwheel Nut	Carbon Steel	A194 Gr.8
2	Handwheel	Carbon Steel	Carbon Steel + Ristan
3	Yoke Sleeve	AISI 416	AISI 416
4	Name Plate	Aluminium	INOX
5	Gland Nuts	A194 Gr.2H	A194 Gr.8
6	Gland Flange	ASTM A105	ASTM A182 F316
7	Packing Gland	A479 TP316	A479 TP316L
8	Bonnet	ASTM A105	ASTM A182 F316
9	Gland Studs	AISI 410	A193 B8M
10	Packing	Graphoil	Graphoil
11	Stem	A479 TP410	A479 TP316L
12	Wedge	A479 TP410	A479 TP316
13	Seat Rings	A479 TP410	A479 TP316
14	Body	ASTM A105N	ASTM A182 F316L

Other materials available on request

* Recommended Spare Parts

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FORGED GATE VALVES WELDED BONNET

SIZE 1500# (Full Bore)		DIMENSION in mm				
Inches	mm	A	B	C	D	Kg (HANDWHEEL)
1/4"	8	110	175	100	8	3.5
3/8"	10	110	175	100	10	3.5
1/2"	15	110	175	100	10	3.5
3/4"	20	120	210	120	14	5.5
1"	25	130	240	140	18	7.5
1-1/4"	32	130	280	170	24	10
1-1/2"	40	210	310	170	29	16
2"	50	240	355	260	36.5	25

ANSI CLASS 2500	PRESSURE - TEMPERATURE RATINGS TO ANSI B16.34	
Temperature	WORKING PRESSURE (bar.g) ASTM A105N (a)	
° C	A105	F316
-29 to 38	425.5	413.8
93	387.9	355.9
149	377.2	321.4
204	364.1	295.2
260	344.1	274.5
316	314.5	259.3
343	308.6	255.2
371	306.2	249.7
399	289.7	245.5
427	236.6	242.8
454	153.8	240.0
482	98.6	238.6
510	59.3	222.1
538	29.7	201.0
566	-	197.6
593	-	175.5
621	-	135.9
649	-	106.6
677	-	84.8
704	-	66.9
732	-	55.2
760	-	43.4
788	-	33.4
816	-	23.8

(a) Permissible, but not recommended for prolonged usage above 427 °C
 (b) Permissible, but not recommended for prolonged usage above 594 °C
 (c) For welding end valves only: Flanged end ratings terminate at 538°C

MADE IN ITALY



CE PED 2014/68/EU

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