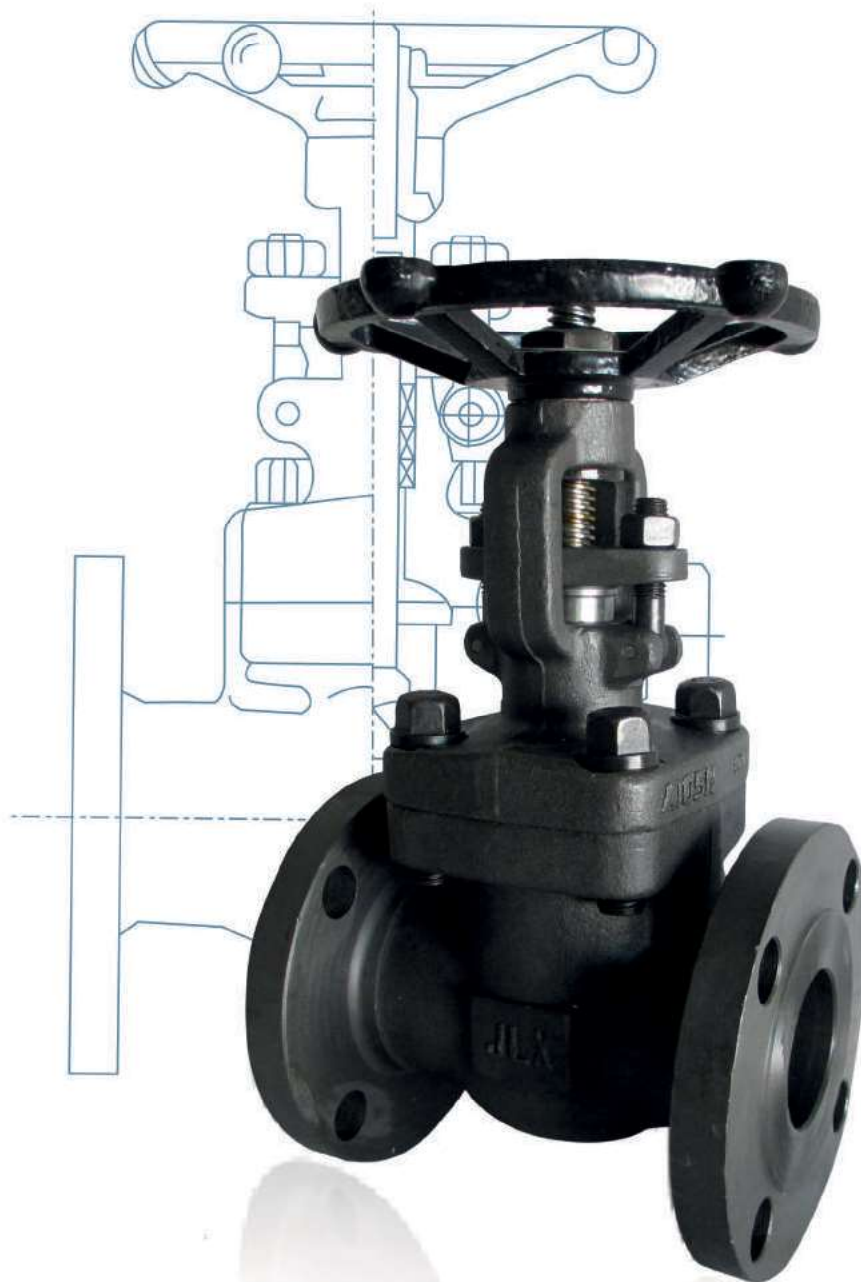
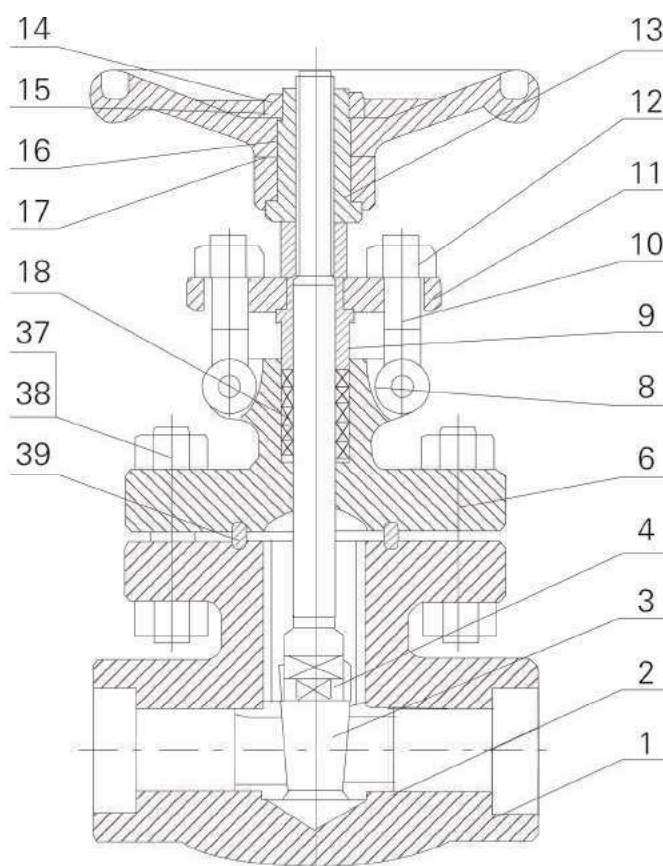


FORGED GATE VALVES



FORGED GATE VALVES

1/4" - 3" | Class 800 - Class 1500



BILL OF MATERIALS

Item	Description	A105/F6a	LF2/304	F11/F6aHF	F22/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	LF2	F11	F22	F304(L)	F316(L)	F51
2	Seat	410	304	410HF	410HF	304(L)	316(L)	F51
3	Wedge	F6a	F304	F6aHF	F6aHF	F304(L)	F316(L)	F51
4	Stem	410	304	410	410	304(L)	316(L)	F51
6	Bonnet	A105	LF2	F11	F22	F304(L)	F316(L)	F51
8	Pin	410	410	410	410	304	304	340
9	Gland	410	304	410	410	304	316	F51
10	Gland eyebolt	B7	L7	B16	B16	B8(M)	B8(M)	B8M
11	Gland flange	A105	LF2	F11	F22	F304	F304	F304
12	Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	Stem nut nut	410	410	410	410	410	410	410
14	Locking nut	35	35	35	35	35	35	35
15	Nameplate	AL	AL	AL	AL	AL	AL	AL
16	Handwheel	A197	A197	A197	A197	A197	A197	A197
17	Lubricating gasket	410	410	410	410	410	410	410
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
37	Screwed stud	B7	L7	B16	B16	B8(M)	B8(M)	B8(M)
38	Nut	2H	8	8	8	8(M)	8(M)	8(M)
39	Metal ring	304	304	304	304	304(L)	316(L)	F51

* Standard construction with trim 8,2 and 10. Others constructions are available.
(1) Zinc coating.

FORGED GATE VALVES

PRESENTATION

Gate valves are bi-directional valves ideally suited for on-off duties. JLX produces various types both with parallel face gates or with wedge gates. These valves have a very low resistance to flow, which in the case of parallel gate valves approaches that of a straight pipe.

They are used for duties with high pressure fluids due to the fact that upstream pressure helps the sealing between gate and seat. JLX takes great care to study finish of seating surfaces to guarantee their minimum wear under high pressures.

Gate valves are supplied in various models to cover the most different and delicate services.



HIGHLIGHTS

Body and Bonnet

Bodies and bonnets are high quality forged and afterwards precisely revised, directing the attention to prevent stress concentration.

As standard stock, the bodies of gate valves consist of a reduced bore Port. Under request we can delivery also Full bore port that guarantees minimal turbulence and resistance to flow. It is available the option with bolted bonnet or also welded bonnet.



Standards

Design and manufacture conform to API 602,BS5352 ANSI B16.34.

Connections ends conform to

1. Socket Weld ends acc. ANSI B16.11.
2. Threaded ends acc. ANSI B1.20.1.
3. Butt weld ends acc. ANSI B16.25.
4. Flanged ends acc. ANSI B16.5 or EN-DIN.

Test and inspection conform API598.

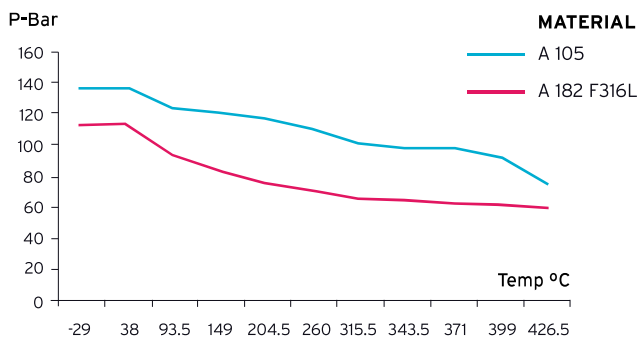
Structure features

1. Bolted bonnet outside screw and yoke (OS & Y).
2. Welded bonnet outside screw and yoke (OS & Y).

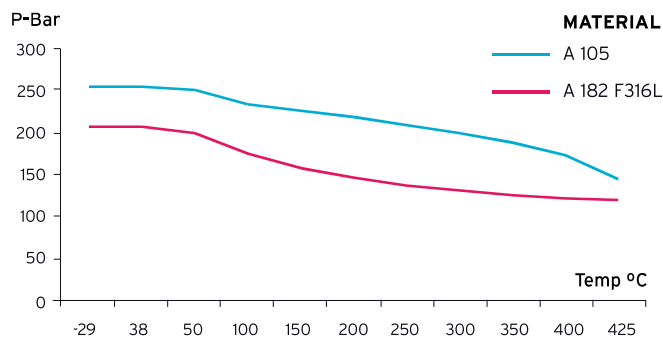
Material conform to ANSI / ASTM.

Main materials: A105, LF2, F5, F11, F22, 304(L) 316(L), F347, F321, F51. Also exotics materials as MONEL, ALLOY20.

PRESSURE & TEMPERATURE 800 lbs



PRESSURE & TEMPERATURE 1500 lbs

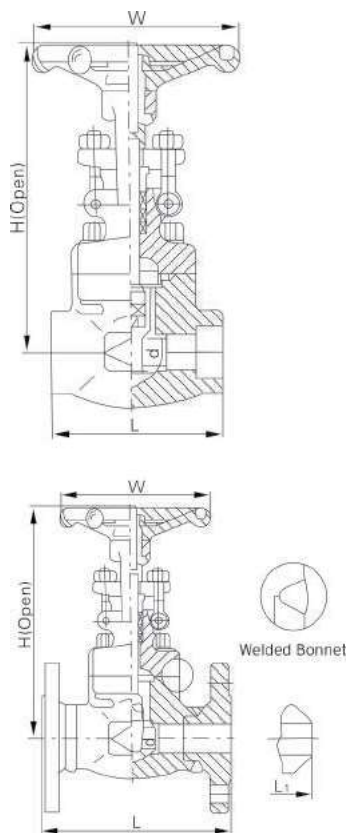


FORGED GATE VALVES

FORGED GATE VALVE API602, MSSSP118 & ASME B16.34

Class 800

Sizes 3/8" to 3"



Carbon steel and alloy steel construction

Stainless steel construction

TRIM

API 600 TRIM N°	Nominal TRIM	Stem / Backseat	Seating Surface Body / Wedge
1	F6	13Cr	13Cr
2	304	18Cr-8Ni	18Cr-8Ni
3	F310	25Cr-20Ni	25Cr-20Ni
4	Hard F6	13Cr	Hard 13Cr
5	Hardfaced	13Cr	Co-Cr A
5A	Hardfaced	13Cr	Ni-Cr
6	F6 and Cu-Ni	13Cr	13Cr and Cu-Ni
7	F6 and Hard F6	13Cr	13Cr and Hard 13Cr
8	F6 and Hardfaced	13Cr	13Cr and Co-Cr A
8A	F6 and Hardfaced	13Cr	13Cr and Ni-Cr
9	Monel	Ni-Cu Alloy	Ni-Cu Alloy
10	316	18Cr-8Ni-Mo	18Cr-8Ni-Mo
11	Monel and Hardfaced	Ni-Cu Alloy	Ni-Cu Alloy and Trim 5 or 5A
12	316 and Hardfaced	18Cr-8Ni-Mo	18Cr-8Ni-Mo and Trim 5 or 5A
13	Alloy 20	19Cr-29Ni	19Cr-29Ni
14	Alloy 20 and Hardfaced	19Cr-29Ni	19Cr-29Ni and Trim 5 or 5A
15	Hardfaced	18Cr-8Ni	Co-Cr A
16	Hardfaced	18Cr-8Ni-Mo	Co-Cr A
17	Hardfaced	18Cr-10Ni-Cb	Co-Cr A
18	Hardfaced	19Cr-29Ni	Co-Cr A

HF: Hard Facing using CoCr welding alloy (Stellite)

GENERAL DIMENSIONS 800LB SW AND NPT ENDS

DN		L	H (OPEN)	W	WEIGHTS	
REDUCED BORE	FULL BORE				BOLTED BONNET	WELDED BONNET
3/8"	1/4"	79	158	100	2.1	1.8
1/2"	3/8"	79	158	100	2.0	1.7
3/4"	1/2"	92	169	100	2.3	2.0
1"	3/4"	111	197	125	4.3	3.8
1 1/4"	1"	120	236	160	5.9	5.1
1 1/2"	1 1/4"	120	246	160	6.9	6.1
2"	1 1/2"	140	283	180	11.1	10.2
2 1/2"	2"	178	330	200	15.2	14.2
3"	2 1/2"	180	370	220	24	23

GENERAL DIMENSIONS 800LB 150/300 RF ENDS & PN40

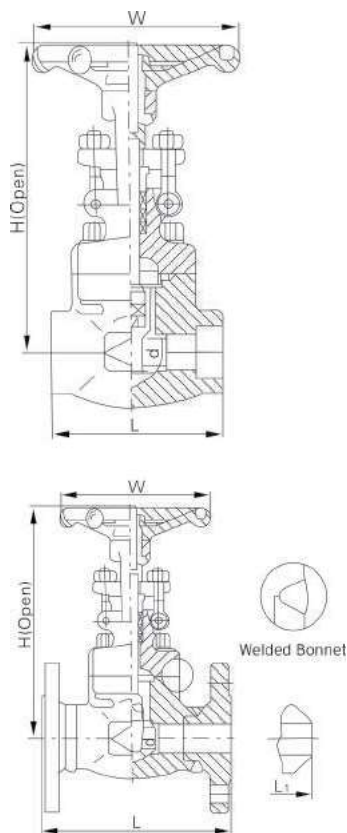
DN		L				WEIGHTS			
REDUCED BORE	FULL BORE	150#	300#	600#	PN40	150#	300#	600#	PN40
1/2"	1/2"	108	140	165	130	3.4	3.77	4.2	3.77
3/4"	3/4"	117	152	190	150	3.98	4.89	5.8	4.89
1"	1"	127	165	216	160	6.12	7.23	8.8	7.23
1 1/4"	1 1/4"	140	178	229	180	7.2	9.6	12.1	9.6
1 1/2"	1 1/2"	165	190	241	240	10.4	12.64	15.6	12.64
2"	2"	178	216	292	250	15.5	18	19.5	18

Dimensions in mm and weight in kg.
Weights and dimensions can be changed without notice.
Bigger sizes available under customer request.

FORGED GATE VALVES

FORGED GATE VALVE API602, MSSP SP18 & ASME B16.34 **Class 1500**

Sizes 1/4" to 2 1/2"



Carbon steel and alloy steel construction

Stainless steel construction

TRIM			
API 600 TRIM N°	Nominal TRIM	Stem / Backseat	Seating Surface Body / Wedge
1	F6	13Cr	13Cr
2	304	18Cr-8Ni	18Cr-8Ni
3	F310	25Cr-20Ni	25Cr-20Ni
4	Hard F6	13Cr	Hard 13Cr
5	Hardfaced	13Cr	Co-Cr A
5A	Hardfaced	13Cr	Ni-Cr
6	F6 and Cu-Ni	13Cr	13Cr and Cu-Ni
7	F6 and Hard F6	13Cr	13Cr and Hard 13Cr
8	F6 and Hardfaced	13Cr	13Cr and Co-Cr A
8A	F6 and Hardfaced	13Cr	13Cr and Ni-Cr
9	Monel	Ni-Cu Alloy	Ni-Cu Alloy
10	316	18Cr-8Ni-Mo	18Cr-8Ni-Mo
11	Monel and Hardfaced	Ni-Cu Alloy	Ni-Cu Alloy and Trim 5 or 5A
12	316 and Hardfaced	18Cr-8Ni-Mo	18Cr-8Ni-Mo and Trim 5 or 5A
13	Alloy 20	19Cr-29Ni	19Cr-29Ni
14	Alloy 20 and Hardfaced	19Cr-29Ni	19Cr-29Ni and Trim 5 or 5A
15	Hardfaced	18Cr-8Ni	Co-Cr A
16	Hardfaced	18Cr-8Ni-Mo	Co-Cr A
17	Hardfaced	18Cr-10Ni-Cb	Co-Cr A
18	Hardfaced	19Cr-29Ni	Co-Cr A

HF: Hard Facing using CoCr welding alloy (Stellite)

GENERAL DIMENSIONS 1500LB SW AND NPT ENDS

DN		L	H (OPEN)	W	WEIGHTS	
REDUCED BORE	FULL BORE				BOLTED BONNET	WELDED BONNET
3/8"	1/4"	79	158	100	2.1	1.8
1/2"	3/8"	111	158	100	2.0	1.7
3/4"	1/2"	111	169	100	2.3	2.0
1"	3/4"	120	197	125	4.3	3.8
1 1/4"	1"	120	236	160	5.9	5.1
1 1/2"	1 1/4"	140	246	160	6.9	6.1
2"	1 1/2"	178	283	180	11.1	10.2
2 1/2"	2"	178	330	200	15.2	14.2

GENERAL DIMENSIONS 1500LB 1500 RF/RTJ ENDS & PN63/100

DN		L			WEIGHT
REDUCED BORE	FULL BORE	1500#RF	1500#RTJ	PN63/100	
1/2"	1/2"	216	216	130	7.2
3/4"	3/4"	229	229	150	11.5
1"	1"	254	254	160	15.6
1 1/4"	1 1/4"	279	279	-	16.2
1 1/2"	1 1/2"	305	305	240	22.6
2"	2"	368	371	250	28.2

Dimensions in mm and weight in kg.
Weights and dimensions can be changed without notice.
Bigger sizes available under customer request.