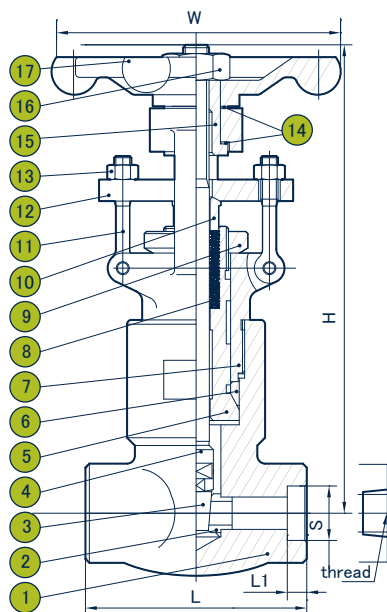


Forged Steel Pressure Seal Gate Valves, Threaded & Socket-welding End, **CLASS 2500**

Class 2500 (PN 420)
Standard Port
ASME CLASS 2500: 6250 psi@100°F
(431.0 bar@38°C)



Gate Valve



Selection

Connection:
Threaded End/Socket-welding End

Thread Type:
NPT/BSPT/DIN

Material of the Body/Bonnet:
A105/F316/F316L/F304/F304L/F11/F22

Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
D	mm(in)	11(0.43)	14(0.55)	19(0.75)	25(0.98)	28(1.10)	35(1.38)
L	mm(in)	186(7.32)	186(7.32)	186(7.32)	232(9.13)	232(9.13)	279(10.98)
H (Open)	mm(in)	321(12.64)	321(12.64)	321(12.64)	283(11.14)	325(12.80)	334(13.15)
W	mm(in)	125(4.92)	125(4.92)	160(6.30)	160(1.30)	180(7.09)	200(7.87)
Weight	kg	12.3	11.6	10.9	26	28.5	60

Features

- The higher the internal pressure, the greater the sealing forces
- API / ASME B16.34
- Outside screw & yoke (OS&Y)
- Solid wedge
- Heavy two-piece gland
- Compact and sturdy designs for high pressure-temperature service
- Replacement of handwheel without affecting the gate position

Component and Common Materials				
NO.	PARTS NAME	MATERIALS		
1	Body	A 105	A 182-F304	A 182-F316
2	Seat Ring	13Cr	A 182-F304+STL	A 182-F316+STL
3	Wedge	13Cr	A 182-F304+STL	A 182-F316+STL
4	Stem	A 276-410	A 182-F304	A 182-F316
5	Sealing Seat	A 105	A 182-F304	A 182-F316
6	Sealing Ring	SS304		SS316
7	Bonnet	A 105	A 182-F304	A 182-F316
8	Stem Packing	SS304 & Graphite		SS316 & Graphite
9	P.S.Lock Nut	AISI 1035		
10	Gland	A 276-410	A 182-F304	A 182-F316
11	Gland Eyebolt	A 193-B7		A 193-B8
12	Gland Flange	A 216-WCB	A 182-F304	A 182-F316
13	Gland Nut	A 194-2H		A 193- B8
14	Sleeve Washer	A 276-410	A 182-F304	A 182-F316
15	Stem Nut	A 276-410		
16	H.W.Lock Nut	A 194-2H		A 193-B8
17	Handwheel	A 197		

* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.

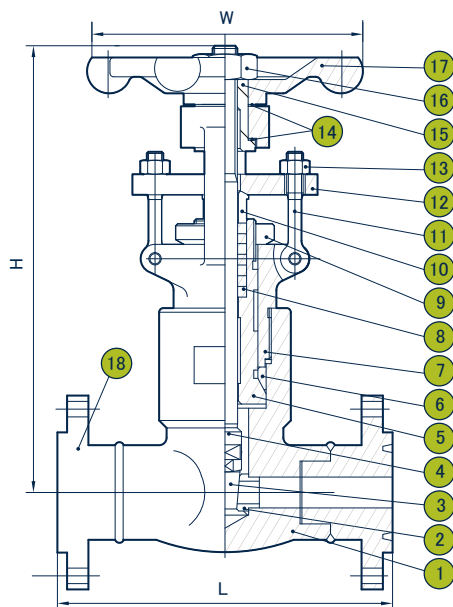
Forged Steel Pressure Seal Gate Valves, Flanged End, **CLASS 2500**

Class 2500 (PN 420)
Standard Port
ASME CLASS 2500: 6250 psi@100°F
(431.0 bar@38°C)



Gate Valve

10



Selection

Connection:
Raised Face/Ring-Type Joint
Material of the Body/Bonnet:
A105/F316/F316L/F304/F304L/F11/F22

Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
D	mm(in)	11(0.43)	14(0.55)	19(0.75)	25(0.98)	28(1.10)	35(1.38)
L	mm(in)	264(10.39)	273(10.75)	308(12.13)	352.2(13.89)	387.2(15.24)	454.2(17.88)
H (Open)	mm(in)	321(12.64)	321(12.64)	321(12.64)	375(14.76)	406(15.98)	496(19.53)
W	mm(in)	160(6.30)	160(6.30)	180(7.09)	200(7.87)	250(9.84)	280(11.02)
Weight	kg	21.5	24.8	30.5	48.2	58.2	130

Features

- The higher the internal pressure, the greater the sealing forces
- Flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10
- API / ASME B16.34
- Outside screw & yoke (OS&Y)
- Solid wedge
- Compact and sturdy designs for high pressure-temperature service
- Replacement of handwheel without affecting the gate position

Component and Common Materials				
NO.	PARTS NAME	MATERIALS		
1	Body	A 105	A 182-F304	A 182-F316
2	Seat Ring	13Cr	A 182-F304+STL	A 182-F316+STL
3	Wedge	13Cr	A 182-F304+STL	A 182-F316+STL
4	Stem	A 276-410	A 182-F304	A 182-F316
5	Sealing Seat	A 105	A 182-F304	A 182-F316
6	Sealing Ring	SS304		SS316
7	Bonnet	A 105	A 182-F304	A 182-F316
8	Stem Packing	SS304 & Graphite		SS316 & Graphite
9	P.S.Lock Nut	AISI 1035		
10	Gland	A 276-410	A 182-F304	A 182-F316
11	Gland Eyebolt	A 193-B7		A 193-B8
12	Gland Flange	A 216-WCB	A 105	A 182-F304
13	Gland Nut	A 194-2H		A 193-B8
14	Sleeve Washer	A 276-410	A 182-F304	A 182-F316
15	Stem Nut	A 276-410		
16	H.W.Lock Nut	A 194-2H		A 193-B8
17	Handwheel	A 197		
18	Welded Flange	A 105	A 182-F304	A 182-F316

* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.