

## Forged Gate Valves

### Design

- Forged body and bonnet
- Bolted bonnet or Pressure Seal
- Rising stem (RS), outside screw and yoke (OS&Y)
- Body seats fixed to the body

### Applications

- Power plant, Chemical, Petrochemical, Refining

### Media

- Depending on the valve materials: water, steam, gas, oil and oil derivatives and other non aggressive media

### Advantages

- Long service life
- Respect to emission standards
- Easy handling and maintenance
- Stem packing replacement in working conditions

### Materials

- Carbon, heat resistant alloy and stainless steels

### Pressure and temperature

- Class 150 ÷ Class 1500
- Temperature up to 600

### Options

- Electric, hydraulic or pneumatic actuator
- Position indicator
- Extended body
- Locking device
- End Connection can be screwed/socket weld, buttweld or flanged

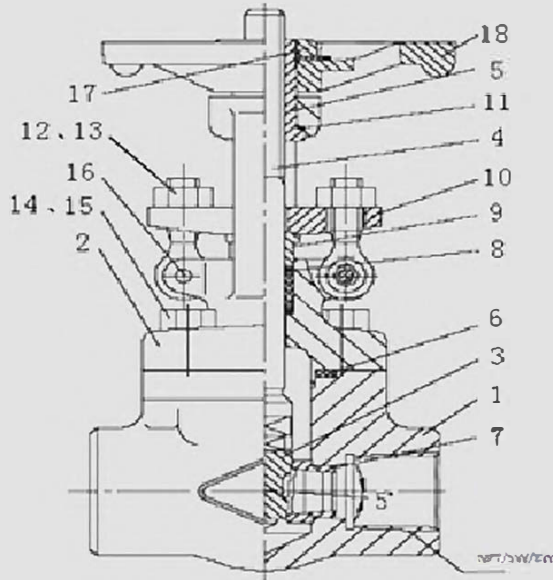
### Testing

- Every produced valve was tested according to API598

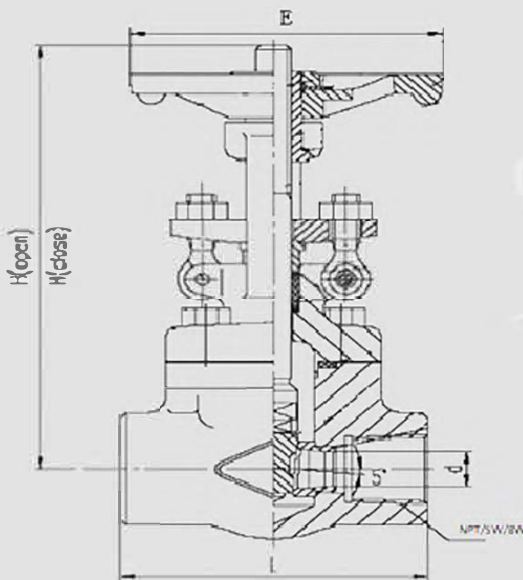
Gate valve according to API 600	Class 150 ÷ Class 1500
Face-to-face (FTF) and End-to-end (ETE) dimensions acc. to	ASME B16.10
Flanged ends according to	ASME B16.5
Welding ends according to	ASME B16.25
Screw ends according to	ASME B1.20.1



## Forged Gate Valves



No.	Parts	Materials	
		ASTM	
1	Body	A105	F316
2	Bonnet	A105	F316
3	Gate	A217 ①	F316
4	Stem	A182 F6a	F316
5	Stem Nut	A439 D2 / Bronze	SS410
6	Gasket	304 SS+Graphite	304 SS+Graphite
7	Seat	A105 ①	F316
8	Packing	Graphite	Graphite
9	Gland	A276420	F316 ①
10	Gland Flange	CS	F304
11	Thrust Washer	A182 F304	A182 F304
12	Nut	A194 2H	8
13	Eyebolt	A193 B7	B8
14	Bolt	A193 B7	B8
15	Nut	A194 2H	8
16	Pin	CS	SS
17	Handwheel Nut	CS	SS
18	Handwheel	Cast Iron	Cast Iron



	NPS(in)	Dimensions(mm)					Weights(kg)
		d	L	H		E	
				Open	Close		
800	1/4	6.4	76	146	132.5	80	2
	3/8	6.4	76	146	132.5	80	2
	1/2	12.7	86	157	140	80	2.5
	3/4	17.5	102	194	173	110	3.5
	1	23.8	118	239	209	150	7
	1 1/4	28.6	118	263	228	150	7
	1 1/2	36.5	132	290	247	150	10.5
	2	44.5	178	328	270	180	15
1500	1/4	6.4	76	214	198	80	4
	3/8	6.4	76	214	198	80	4
	1/2	12.7	86	218	202	80	4.5
	3/4	15.9	102	239	218	110	6.5
	1	22.2	127	275	245	150	9.5
	1 1/4	27	152	290	255	150	11
	1 1/2	34.9	171	313	272	150	14.5
	2	38.1	210	365	317	180	20