

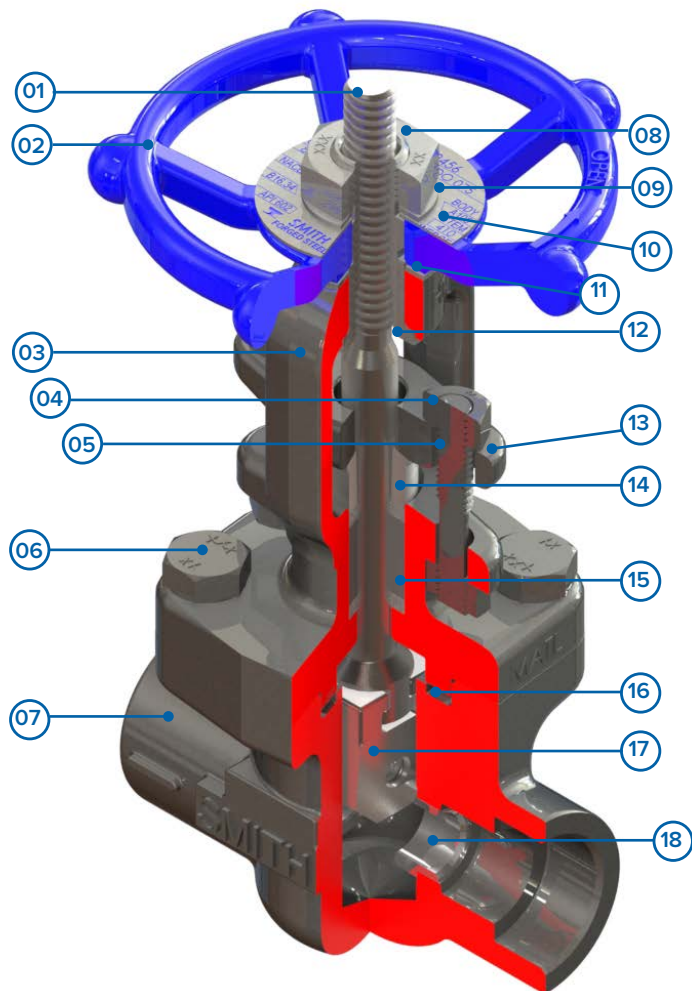
# GATE VALVES



## DESIGN & CONSTRUCTION

- API 602, ASME B16.34
- Bolted & welded bonnet
- Reduced and full port
- Threaded, Socketweld, Buttweld ends class 800 to 2500
- Flanged ends class 150 to 2500
- Bonnet constructed of forged steel with integral backseat
- Nameplate serialized for full traceability
- API 622 and API 624 qualified packing for low emissions

- 01 STEM
- 02 HANDWHEEL
- 03 BONNET
- 04 GLAND STUD NUT
- 05 GLAND STUD
- 06 BONNET BOLT
- 07 BODY
- 08 HANDWHEEL NUT
- 09 LOCK WASHER
- 10 NAMEPLATE
- 11 THRUST WASHER
- 12 YOKE NUT
- 13 GLAND FLANGE
- 14 GLAND
- 15 PACKING
- 16 GASKET
- 17 WEDGE
- 18 SEAT RING



**0800  
0870**

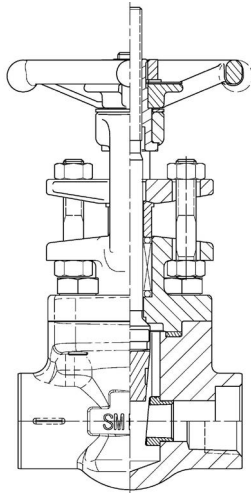
## DIMENSIONAL DATA

Forged Gate OS&Y - Conventional Port

Sizes: 1/4" - 2"

Pressure Class: 800

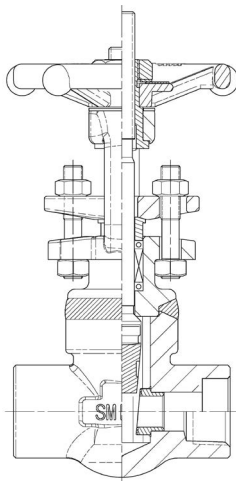
End Connections - Threaded, Socketweld or Buttweld



0800

**CLASS 800 BOLTED BONNET GATE VALVE  
THREADED or SOCKETWELD ENDS (IN.)**

VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.25	6.31	4.00	3.8
3/8	3.25	6.31	4.00	3.8
1/2	3.25	6.31	4.00	3.8
3/4	3.50	6.50	4.00	4.5
1	3.88	7.25	4.00	6.3
1 1/4	4.75	9.13	5.50	12.0
1 1/2	4.75	9.13	5.50	12.0
2	5.50	11.06	6.63	20.5



0870

**CLASS 800 WELDED BONNET GATE VALVE  
THREADED or SOCKETWELD ENDS (IN.)**

VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.25	6.19	4.00	3.3
3/8	3.25	6.25	4.00	3.3
1/2	3.25	6.25	4.00	3.3
3/4	3.50	6.50	4.00	3.8
1	3.88	7.25	4.00	5.3
1 1/4	4.75	9.13	5.50	10.3
1 1/2	4.75	9.13	5.50	9.8
2	5.50	11.00	6.63	16.0

**0888  
5870**

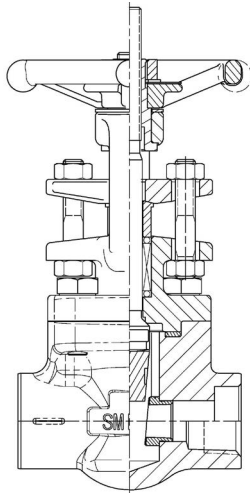
## DIMENSIONAL DATA

Forged Gate OS&Y - Full Port

Sizes: 1/4" - 2"

Pressure Class: 800

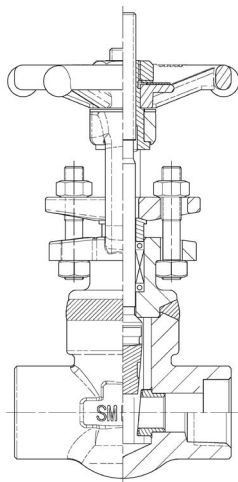
End Connections - Threaded or Socketweld



0888

**CLASS 800 BOLTED BONNET GATE VALVE  
THREADED or SOCKETWELD ENDS (IN.)**

VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.25	6.25	4.00	3.8
3/8	3.25	6.31	4.00	3.8
1/2	3.50	6.50	4.00	4.8
3/4	3.88	7.25	4.00	6.3
1	4.75	9.13	4.00	9.8
1 1/4	4.75	9.13	5.50	11.5
1 1/2	5.50	11.06	6.63	21.8
2	5.69	12.38	6.63	24.0



5870

**CLASS 800 WELDED BONNET GATE VALVE  
THREADED or SOCKETWELD (IN.)**

VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.25	6.25	4.00	3.3
3/8	3.25	6.25	4.00	3.3
1/2	3.50	6.50	4.00	4.3
3/4	3.94	7.25	4.00	5.8
1	4.75	8.94	5.50	10.5
1 1/4	4.75	9.13	5.50	10.3
1 1/2	5.50	11.00	6.63	17.0

**1500**  
**1570**

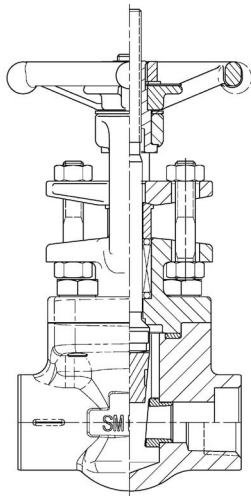
## DIMENSIONAL DATA

Forged Gate OS&Y - Conventional Port

Sizes: 1/4" - 2"

Pressure Class: 1500

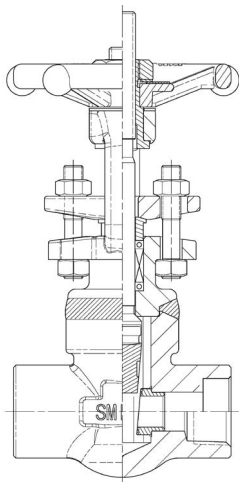
End Connections - Threaded, Socketweld or Buttweld



1500

### CLASS 1500 BOLTED BONNET GATE VALVE THREADED or SOCKETWELD ENDS (IN.)

VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.50	6.50	4.00	5.3
3/8	3.50	6.50	4.00	5.3
1/2	3.50	6.50	4.00	5.0
3/4	3.88	7.25	4.00	7.3
1	4.75	8.94	5.50	14.0
1 1/4	5.50	11.00	6.63	23.0
1 1/2	5.50	11.00	6.63	22.5
2	6.25	11.56	6.63	29.5



1570

### CLASS 1500 WELDED BONNET GATE VALVE THREADED or SOCKETWELD ENDS (IN.)

VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.50	6.31	4.00	4.8
3/8	3.50	6.38	4.00	4.8
1/2	3.50	6.38	4.00	4.5
3/4	3.88	7.00	4.00	6.0
1	4.75	8.75	5.50	11.3
1 1/4	5.50	10.69	6.63	17.8
1 1/2	5.50	10.69	6.63	17.5
2	6.25	11.06	6.63	24.2

**1588**  
**1578**

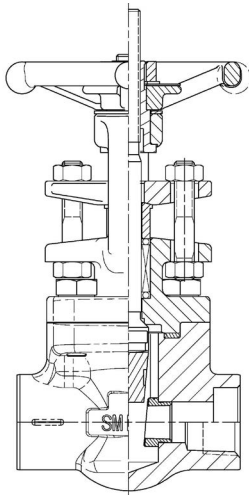
## DIMENSIONAL DATA

Forged Gate OS&Y - Full Port

Sizes: 1/4" - 1 1/2"

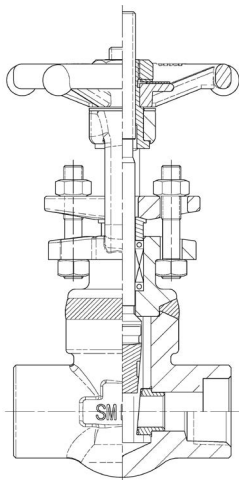
Pressure Class: 1500

End Connections - Threaded or Socketweld



1588

CLASS 1500 BOLTED BONNET GATE VALVE THREADED or SOCKETWELD ENDS (IN.)				
VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.50	6.44	4.00	5.3
3/8	3.50	6.50	4.00	5.3
1/2	3.94	6.88	4.00	7.5
3/4	4.75	8.94	4.00	14.8
1	4.75	9.06	5.50	23.5
1 1/4	5.50	11.00	6.63	23.0
1 1/2	6.25	11.56	6.63	30.5



1578

CLASS 1500 WELDED BONNET GATE VALVE THREADED or SOCKETWELD ENDS (IN.)				
VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/4	3.50	6.31	4.00	4.8
3/8	3.50	6.38	4.00	4.8
1/2	3.88	7.00	4.00	6.3
3/4	4.75	8.75	4.00	11.5
1	4.75	8.94	5.50	19.0
1 1/4	5.50	10.69	6.63	17.8
1 1/2	6.25	11.06	6.63	25.0

2578

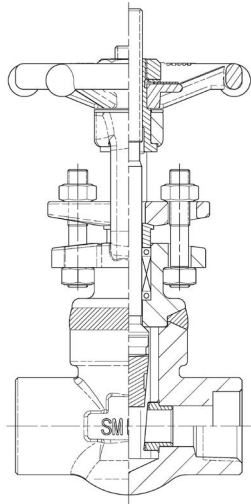
## DIMENSIONAL DATA

Forged Gate OS&Y - Full Port

Sizes: 1/4" - 2"

Pressure Class: 2500

End Connections - Threaded or Socketweld



2578

CLASS 2500 WELDED BONNET GATE VALVE THREADED or SOCKETWELD ENDS (IN.)				
VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HAND- WHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	3.88	7.26	4.00	6.3
3/4	4.65	9.05	5.50	11.3
1	5.40	9.44	5.50	17.8
1 1/2	6.15	12.06	6.63	18.5
2	6.15	12.06	6.63	18.5

**0815**  
**0830**  
**0860**

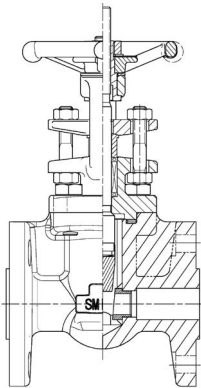
## DIMENSIONAL DATA

Forged Gate OS&Y - Conventional Port

Sizes: 1/2" - 3"

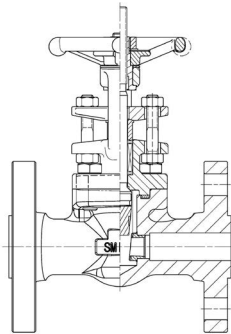
Pressure Class: 150 / 300 / 600

End Connections - Flanged



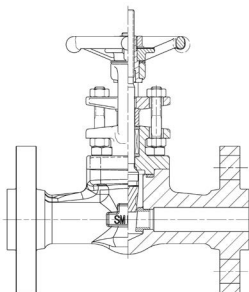
0815

CLASS 150 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	4.25	7.00	4.00	6.5
3/4	4.63	7.06	4.00	9.0
1	5.00	7.69	4.00	9.8
1 1/2	6.50	9.13	5.50	18.2
2	7.00	11.06	6.63	33.5
3	8.00	13.69	7.38	54.0



0830

CLASS 300 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	5.50	6.25	4.00	7.0
3/4	6.00	6.38	4.00	10.3
1	6.50	7.25	4.00	12.8
1 1/2	7.50	9.13	5.50	25.0
2	8.50	11.06	6.63	35.5
3	11.13	13.63	7.38	64.5



0860

CLASS 600 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	6.50	6.25	4.00	7.5
3/4	7.50	6.44	4.00	11.8
1	8.50	7.25	4.00	15.0
1 1/2	9.50	9.13	5.50	31.0
2	11.50	11.06	6.63	44.2

**5815**  
**5830**

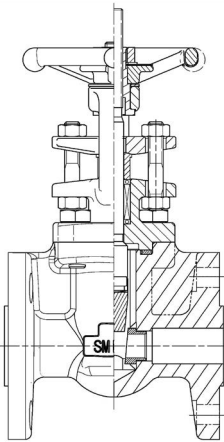
## DIMENSIONAL DATA

Forged Gate OS&Y - Full Port

Sizes: 3/4" - 1 1/2"

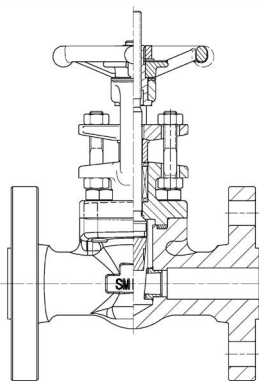
Pressure Class: 150 & 300

End Connections - Flanged



5815

CLASS 150 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
3/4	4.63	7.63	4.00	9.1
1	5.00	8.87	4.00	14.2
1 1/2	6.50	11.01	5.50	26.8



5830

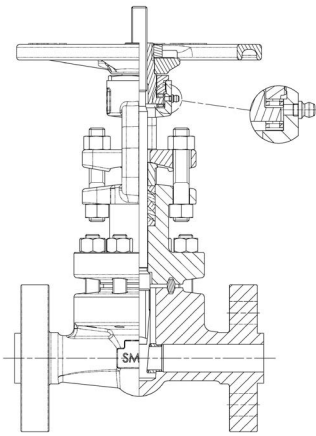
CLASS 300 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DIN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
3/4	6.00	7.28	4.00	11.6
1	6.50	9.14	4.00	19.5
1 1/2	7.50	11.04	5.50	30.4



**0895  
2595**

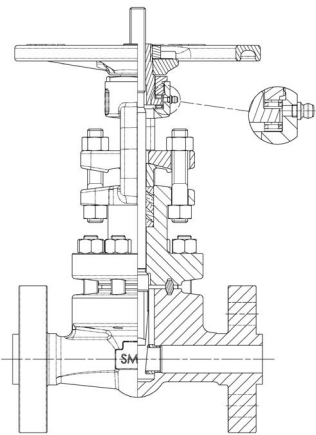
## DIMENSIONAL DATA

Forged Gate OS&Y - Full Port  
 Sizes: 1/2" - 2"  
 Pressure Class: 1500 / 2500  
 End Connections - Flanged



0895

CLASS 1500 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	8.50	8.18	4.00	17.0
3/4	9.00	9.47	5.50	23.0
1	10.00	9.93	5.50	34.0
1 1/2	12.00	12.82	6.63	54.0
2	14.50	13.46	6.63	97.0



2595

CLASS 2500 BOLTED BONNET GATE VALVE FLANGED ENDS (IN.)				
VALVE SIZE NPS (DN)	END TO END	CENTER TO TOP (OPEN)	HANDWHEEL DIAMETER	APPROX. WEIGHT LBS
1/2	10.39	13.61	9.84	52.8
3/4	10.75	13.89	9.84	41.0
1	12.13	15.71	9.84	88.4
1 1/2	15.12	21.23	15.75	197.7
2	17.88	22.95	19.68	272.7