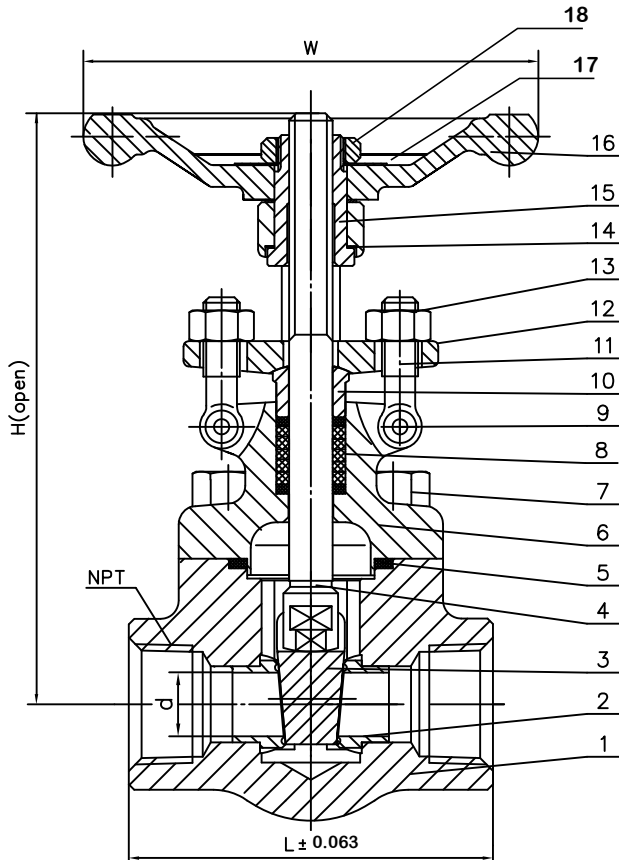


# Forged Steel Gate Valve Class 800 Conventional Port (NPT)

**Figure Number: B3604XUT**

Gate valve, Conventional Port,  
Bolted Bonnet, OS&Y, NPT Ends



inch	L	NPT	W	H	d			
2	5.12	2"	6.30	10.39	1.44			
1 1/2	4.72	1 1/2"	6.30	9.21	1.14			
1 1/4	4.49	1 1/4"	6.30	8.46	0.94			
1	3.94	1"	4.92	7.20	0.69			
3/4	3.15	3/4"	3.94	6.02	0.51			
1/2	2.87	1/2"	3.94	5.71	0.37			
3/8	2.87	3/8"	3.94	5.71	0.37			
1/4	2.87	1/4"	3.94	5.71	0.37			
NPS	L	NPT	W	H	d			
9	Pin	ASTM A276 304	18	Handwheel Nut				
8	Packing	Graphite	17	Nameplate				
7	Bolt	ASTM A193 B7	16	Handwheel	ASTM A197			
6	Bonnet	ASTM A105N	15	Yoke nut	ASTM A276 410			
5	Gasket	304+Graphite	14	Gasket	ASTM A276 410			
4	Stem	ASTM A182 F6a	13	Nut	ASTM A194 2H			
3	Wedge	ASTM A276 420	12	Gland flange	ASTM A105N			
2	Seat	ASTM A276 410+STL	11	Eye bolt	ASTM A193 B7			
1	Body	ASTM A105N	10	Gland	ASTM A276 420			
No.	Name	Material	No.	Name	Material			

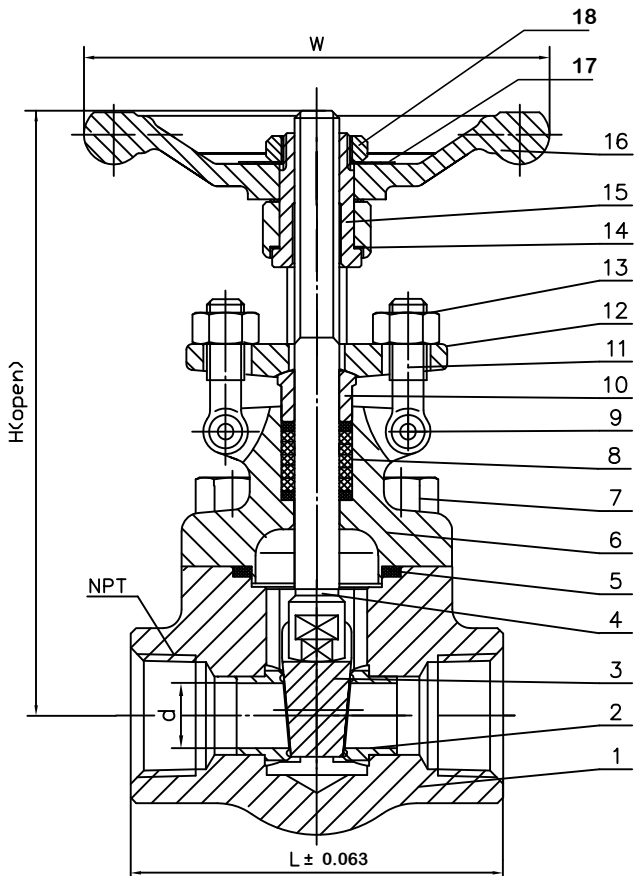
**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. NPT ends conform to ASME B1.20.

# Forged Steel Gate Valve Class 800 Full Port (NPT)

**Figure Number: FB3604XUT**

Gate valve, Full Port, Bolted  
Bonnet, OS&Y, NPT Ends



2	5.71	2"	7.87	12.20	1.73			
1 1/2	5.12	1 1/2"	6.30	10.39	1.44			
1 1/4	4.72	1 1/4"	6.30	9.21	1.14			
1	4.49	1"	6.30	8.46	0.94			
3/4	3.94	3/4"	4.92	7.20	0.69			
1/2	3.15	1/2"	3.94	6.02	0.51			
inch								
NPS	L	NPT	W	H	d			
9	Pin	ASTM A276 304	18	Handwheel Nut				
8	Packing	Graphite	17	Nameplate				
7	Bolt	ASTM A193 B7	16	Handwheel	ASTM A197			
6	Bonnet	ASTM A105N	15	Yoke nut	ASTM A276 410			
5	Gasket	304+Graphite	14	Gasket	ASTM A276 410			
4	Stem	ASTM A182 F6a	13	Nut	ASTM A194 2H			
3	Wedge	ASTM A276 420	12	Gland flange	ASTM A105N			
2	Seat	ASTM A276 410+STL	11	Eye bolt	ASTM A193 B7			
1	Body	ASTM A105N	10	Gland	ASTM A276 420			
No.	Name	Material	No.	Name	Material			

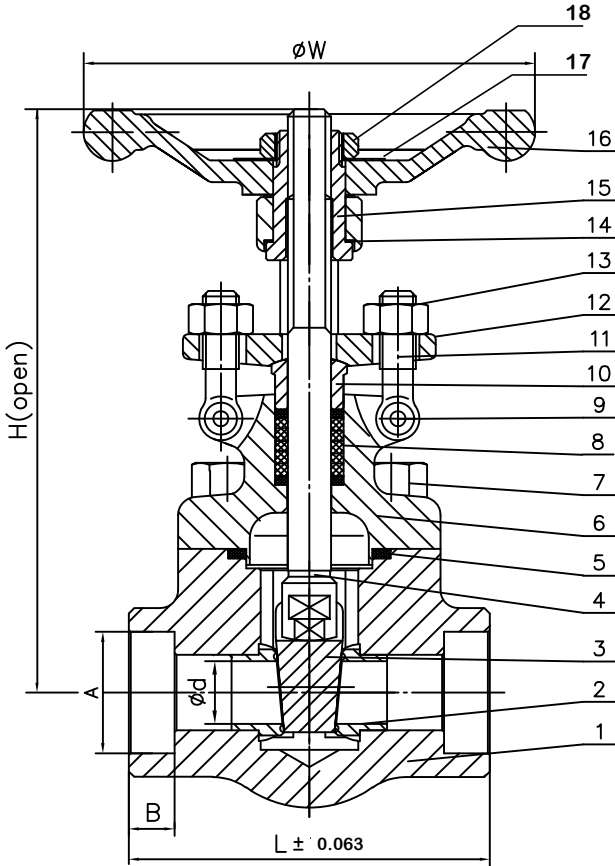
**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. NPT ends conform to ASME B1.20.1

# Forged Steel Gate Valve Class 800 Conventional Port (Socket Weld)

**Figure Number: B3604XUW**

Gate valve, Conventional Port,  
Bolted Bonnet, OS&Y, Socket Weld Ends



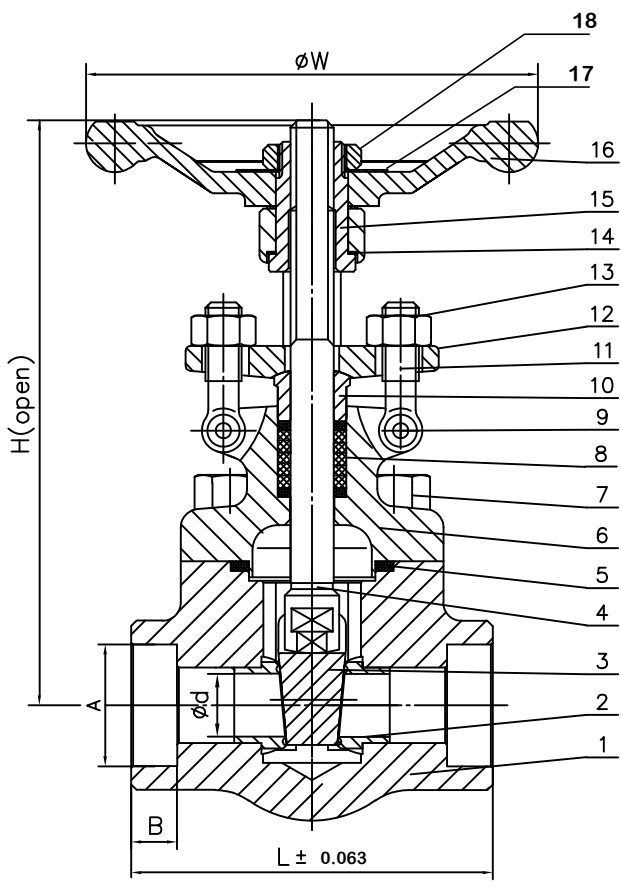
	2	5.12	2.41	0.63	6.30	10.39	1.44		
	11/2	4.72	1.92	0.50	6.30	9.21	1.14		
	11/4	4.49	1.68	0.50	6.30	8.46	0.94		
	1	3.94	1.33	0.50	4.92	7.20	0.69		
	3/4	3.15	1.07	0.50	3.94	6.02	0.51		
	1/2	2.87	0.86	0.38	3.94	5.71	0.37		
	3/8	2.87	0.69	0.38	3.94	5.71	0.37		
	1/4	2.87	0.56	0.38	3.94	5.71	0.37		
inch									
NPS	L	A	B	W	H	d			
9	Pin	ASTM A276 304		18	Handwheel Nut				
8	Packing	Graphite		17	Nameplate				
7	Bolt	ASTM A193 B7		16	Handwheel	ASTM A197			
6	Bonnet	ASTM A105N		15	Yoke nut	ASTM A276 410			
5	Gasket	304+Graphite		14	Gasket	ASTM A276 410			
4	Stem	ASTM A182 F6a		13	Nut	ASTM A194 2H			
3	Wedge	ASTM A276 420		12	Gland flange	ASTM A105N			
2	Seat	ASTM A276 410+STL		11	Eye bolt	ASTM A193 B7			
1	Body	ASTM A105N		10	Gland	ASTM A276 420			
No.	Name	Material		No.	Name	Material			

**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. SW ends conform to ASME B16.11

# Forged Steel Gate Valve Class 800 Full Port (Socket Weld)

**Figure Number: FB3604XUW**  
Gate valve, Full Port, Bolted  
Bonnet, OS&Y, Socket Weld Ends



2	5.71	2.41	0.63	7.87	12.20	1.73		
1 1/2	5.12	1.92	0.50	6.30	10.39	1.44		
1 1/4	4.72	1.68	0.50	6.30	9.21	1.14		
1	4.49	1.33	0.50	6.30	8.46	0.94		
3/4	3.94	1.07	0.50	4.92	7.20	0.69		
1/2	3.15	0.86	0.38	3.94	6.02	0.51		
inch								
NPS	L	A	B	W	H	d		
9	Pin		ASTM A276 304	18	Handwheel Nut			
8	Packing		Graphite	17	Nameplate			
7	Bolt		ASTM A193 B7	16	Handwheel		ASTM A197	
6	Bonnet		ASTM A105N	15	Yoke nut		ASTM A276 410	
5	Gasket		304+Graphite	14	Gasket		ASTM A276 410	
4	Stem		ASTM A182 F6a	13	Nut		ASTM A194 2H	
3	Wedge		ASTM A276 420	12	Gland flange		ASTM A105N	
2	Seat		ASTM A276 410+STL	11	Eye bolt		ASTM A193 B7	
1	Body		ASTM A105N	10	Gland		ASTM A276 420	
No.	Name		Material	No.	Name		Material	

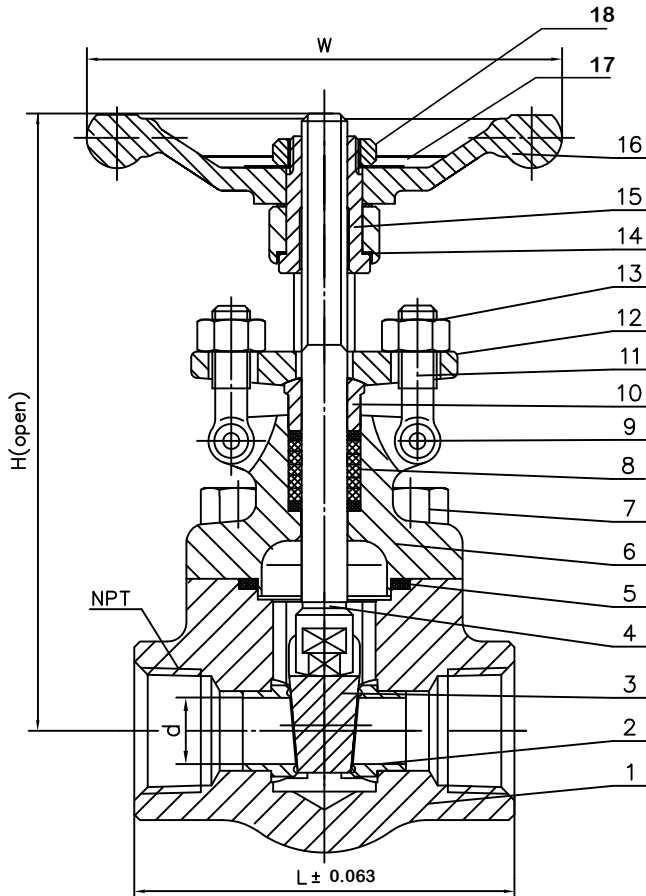
**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. SW ends coform to ASME B16.11

# Forged Steel Gate Valve Class 1500 Conventional Port (NPT)

**Figure Number: B3804XUT**

Gate valve, Conventional Port,  
Bolted Bonnet, OS&Y, NPT Ends



2	5.51	2	7.09	10.98	1.44			
1 1/2	5.12	1 1/2	6.30	10.04	1.14			
1 1/4	4.72	1 1/4	6.30	8.97	0.94			
1	4.49	1	6.30	8.19	0.69			
3/4	3.94	3/4	4.92	7.01	0.51			
1/2	3.94	1/2	4.92	7.01	0.51			
inch								
NPS	L	NPT	W	H	d			
9	Pin	ASTM A276 304	18	Handwheel Nut				
8	Packing	Graphite	17	Nameplate				
7	Bolt	ASTM A193 B7	16	Handwheel	ASTM A197			
6	Bonnet	ASTM A105N	15	Yoke nut	ASTM A276 410			
5	Gasket	304+Graphite	14	Gasket	ASTM A276 410			
4	Stem	ASTM A182 F6a	13	Nut	ASTM A194 2H			
3	Wedge	ASTM A276 420	12	Gland flange	ASTM A105N			
2	Seat	ASTM A276 410+STL	11	Eye bolt	ASTM A193 B7			
1	Body	ASTM A105N	10	Gland	ASTM A276 420			
No.	Name	Material	No.	Name	Material			

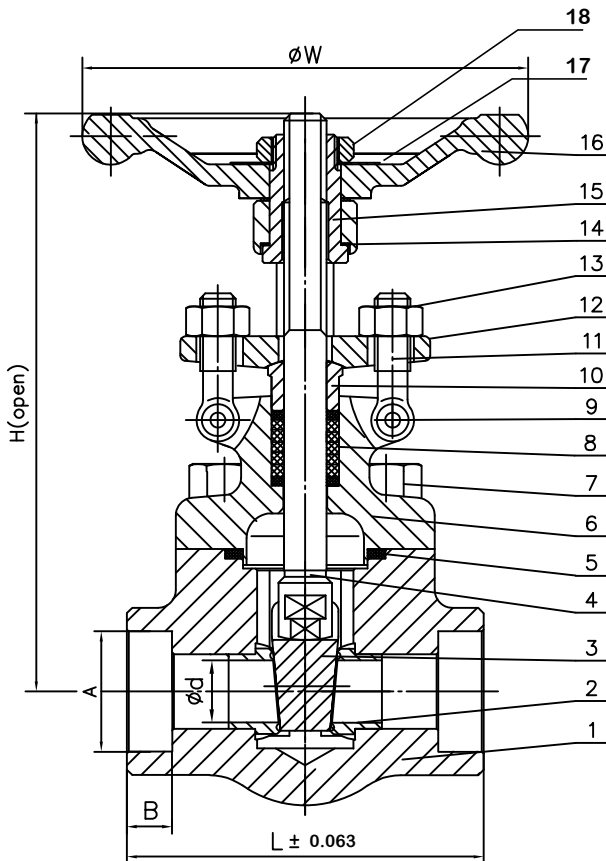
**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. NPT ends conform to ASME B1.20.1

# Forged Steel Gate Valve Class 1500 Conventional Port (Socket Weld)

**Figure Number: B3804XUW**

Gate valve, Conventional Port,  
Bolted Bonnet, OS&Y, Socket Weld Ends



2	5.51	2.41	0.63	7.09	10.98	1.44		
1 1/2	5.12	1.92	0.50	6.30	10.04	1.14		
1 1/4	4.72	1.68	0.50	6.30	8.98	0.94		
1	4.49	1.33	0.50	6.30	8.19	0.69		
3/4	3.94	1.07	0.50	4.92	7.01	0.51		
1/2	3.94	0.86	0.38	4.92	7.01	0.51		
inch								
NPS	L	A	B	W	H	d		
9	Pin	ASTM A276 304	18	Handwheel Nut				
8	Packing	Graphite	17	Nameplate				
7	Bolt	ASTM A193 B7	16	Handwheel	ASTM A197			
6	Bonnet	ASTM A105N	15	Yoke nut	ASTM A276 410			
5	Gasket	304+Graphite	14	Gasket	ASTM A276 410			
4	Stem	ASTM A182 F6a	13	Nut	ASTM A194 2H			
3	Wedge	ASTM A276 420	12	Gland flange	ASTM A105N			
2	Seat	ASTM A276 410+STL	11	Eye bolt	ASTM A193 B7			
1	Body	ASTM A105N	10	Gland	ASTM A276 420			
No.	Name	Material	No.	Name	Material			

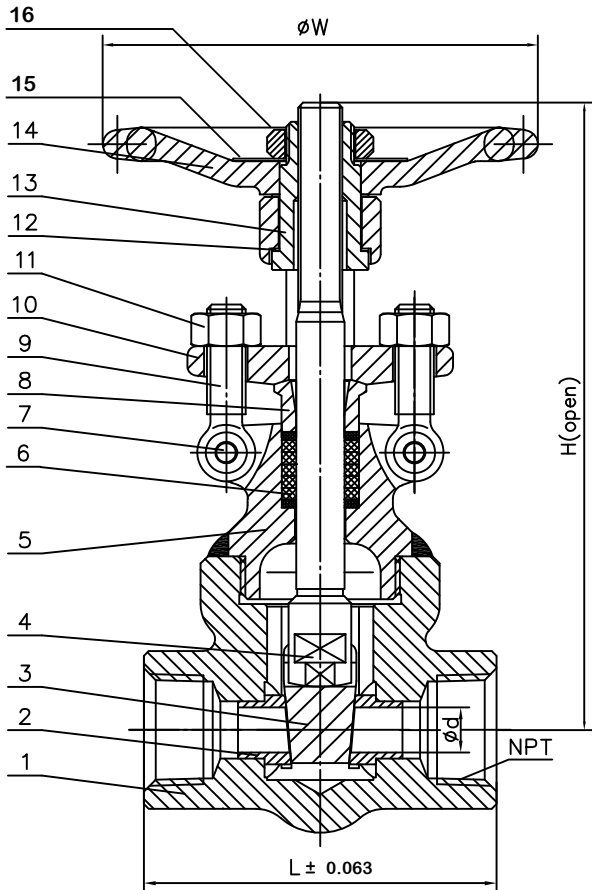
**Technical Requirements**

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. SW ends conform to ASME B16.11

# Forged Steel Welded Bonnet Gate Valve Class 800 Conventional Port (NPT)

**Figure Number: W3604XUT**

Gate valve, Conventional Port,  
Welded Bonnet, OS&Y, NPT Ends



2	5.12	2"	6.30	10.39	1.44			
1 1/2	4.72	1 1/2"	6.30	9.21	1.14			
1 1/4	4.49	1 1/4"	6.30	8.46	0.94			
1	3.94	1"	4.92	7.20	0.69			
3/4	3.15	3/4"	3.94	6.02	0.51			
1/2	2.87	1/2"	3.94	5.71	0.37			
3/8	2.87	3/8"	3.94	5.71	0.37			
1/4	2.87	1/4"	3.94	5.71	0.37			
inch								
NPS	L	NPT	W	H	d			
9	Eye bolt	ASTM A193 B7						
8	Gland	ASTM A276 420						
7	Pin	ASTM A276 304	16	Handwheel Nut				
6	Packing	Graphite	15	Nameplate				
5	Bonnet	ASTM A105N	14	Handwheel	ASTM A197			
4	Stem	ASTM A182 F6a	13	Yoke nut	ASTM A276 410			
3	Wedge	ASTM A276 420	12	Gasket	ASTM A276 410			
2	Seat	ASTM A276 410+STL	11	Nut	ASTM A194 2H			
1	Body	ASTM A105N	10	Gland flange	ASTM A105N			
No.	Name	Material	No.	Name	Material			

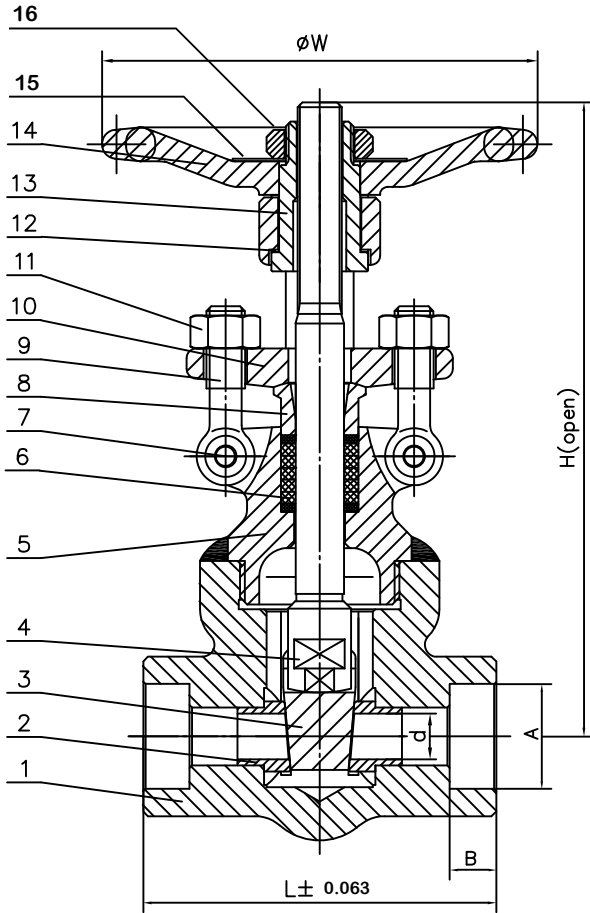
### Technical Requirements

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. NPT ends conform to ASME B1.20.1

# Forged Steel Welded Bonnet Gate Valve Class 800 Conventional Port (Socket Weld)

**Figure Number: W3604XUW**

Gate valve, Conventional Port,  
Welded Bonnet, OS&Y, Socket Weld Ends



2	5.12	2.41	0.63	6.30	10.39	1.44		
1 1/2	4.72	1.92	0.50	6.30	9.21	1.14		
1 1/4	4.49	1.68	0.50	6.30	8.46	0.94		
1	3.94	1.33	0.50	4.92	7.20	0.69		
3/4	3.15	1.07	0.50	3.94	6.02	0.51		
1/2	2.87	0.86	0.38	3.94	5.71	0.37		
3/8	2.87	0.69	0.38	3.94	5.71	0.37		
1/4	2.87	0.56	0.38	3.94	5.71	0.37		
inch								
NPS	L	A	B	W	H	d		
9	Eye bolt	ASTM A193 B7						
8	Gland	ASTM A276 420						
7	Pin	ASTM A276 304		16	Handwheel Nut			
6	Packing	Graphite		15	Nameplate			
5	Bonnet	ASTM A105N		14	Handwheel	ASTM A197		
4	Stem	ASTM A182 F6a		13	Yoke nut	ASTM A276 410		
3	Wedge	ASTM A276 420		12	Gasket	ASTM A276 410		
2	Seat	ASTM A276 410+STL		11	Nut	ASTM A194 2H		
1	Body	ASTM A105N		10	Gland flange	ASTM A105N		
No.	Name	Material		No.	Name	Material		

### Technical Requirements

1. Design & manufacture conform to API 602
2. Test & inspect conform to API 598
3. Face to Face dimension conform to manufacturer's standard
4. SW ends coform to ASME B16.11