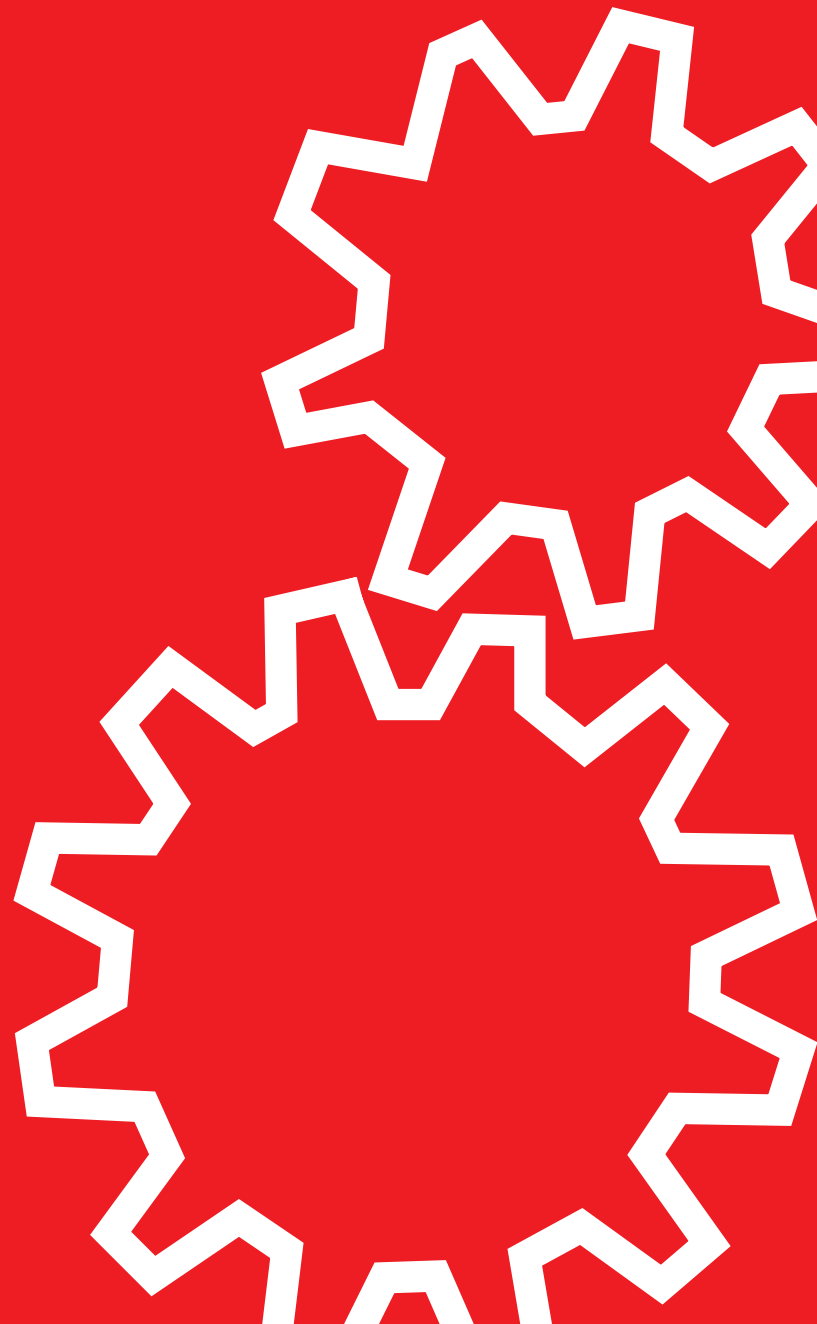
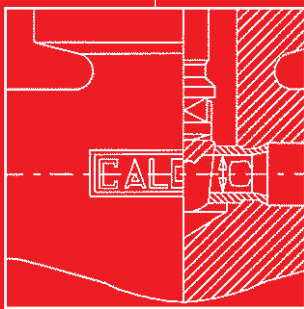
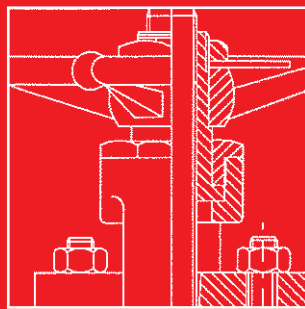
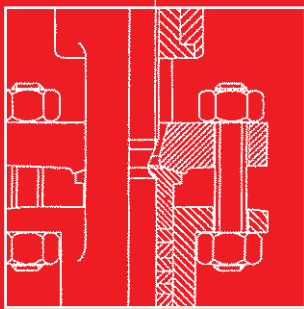
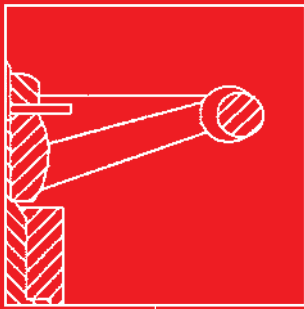




# GATE VALVES



Gate valves are bi-directional valves ideally suited for on-off duties. CALOBRI 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.

CALOBRI 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.

CLASS	CONNECTION	PORT	STANDARD	Screw & Yoke	ENDS	SERVICE	CALOBRI
800	Bolted bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	S8
800	Bolted bonnet	Full	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	S88
800	Welded Bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	W-S8
800	Welded Bonnet	Full	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	W-S88
1500	Bolted bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	S15
1500	Bolted bonnet	Full	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	S1515
1500	Welded Bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	W-S15
1500	Welded Bonnet	Full	API602-BS5352	Outside	Threaded and Socket Weld Ends	-	WS1515
1500	Ring Joint BB	Full	BS5352	Outside	Threaded and Socket Weld Ends	-	RJ-S1515
2500	Ring Joint BB	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	RJ-S25
2500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	W-S25
800	Welded Bonnet	Reduced	API602	Outside	Extended Body - Male Threaded	-	W-S8EB-A
800	Welded Bonnet	Reduced	API602	Outside	Extended Body - Male Socket	-	W-S8EB-B
800	Welded Bonnet	Reduced	API602	Outside	Extended Body - BW	-	W-S8EB-C
800	Bolted bonnet	Reduced	API602	Outside	Extended Body - Male Threaded	-	S8EB-A
800	Bolted bonnet	Reduced	API602	Outside	Extended Body - Male Socket	-	S8EB-B
800	Bolted bonnet	Reduced	API602	Outside	Extended Body - BW	-	S8EB-C
800	Welded Bonnet	Reduced	API602	Outside	Extended Body - Reinforced - BW	-	W-S8EB-D
800	Welded Bonnet	Reduced	API602	Outside	Extended Body - Reinforced - LIP	-	W-S8EB-W
800	Bolted bonnet	Reduced	API602	Outside	Extended Body - Reinforced - BW	-	S8EB-D
800	Bolted bonnet	Reduced	API602	Outside	Extended Body - Reinforced - LIP	-	S8EB-W
1500	Welded Bonnet	Reduced	API602	Outside	Extended Body - Male Threaded	-	W-S15EB-A
1500	Welded Bonnet	Reduced	API602	Outside	Extended Body - Male Socket	-	W-S15EB-B
1500	Welded Bonnet	Reduced	API602	Outside	Extended Body - BW	-	W-S15EB-C
1500	Bolted bonnet	Reduced	API602	Outside	Extended Body - Male Threaded	-	S15EB-A
1500	Bolted bonnet	Reduced	API602	Outside	Extended Body - Male Socket	-	S15EB-B
1500	Bolted bonnet	Reduced	API602	Outside	Extended Body - BW	-	S15EB-C
1500	Welded Bonnet	Reduced	API602	Outside	Extended Body - Reinforced - BW	-	W-S15EB-D
1500	Welded Bonnet	Reduced	API602	Outside	Extended Body - Reinforced - LIP	-	W-S15EB-W
1500	Bolted bonnet	Reduced	API602	Outside	Extended Body - Reinforced - BW	-	S15EB-D
1500	Bolted bonnet	Reduced	API602	Outside	Extended Body - Reinforced - LIP	-	S15EB-W
800	Bolted bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	Sour Service	SS-S8
800	Welded Bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	Alkylation	AS-WS8
800	Welded Bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	Vacuum	SV-WS8
800	Bolted bonnet	Reduced	API602-BS5352	Outside	Threaded and Socket Weld Ends	Chlorine	CS-S8

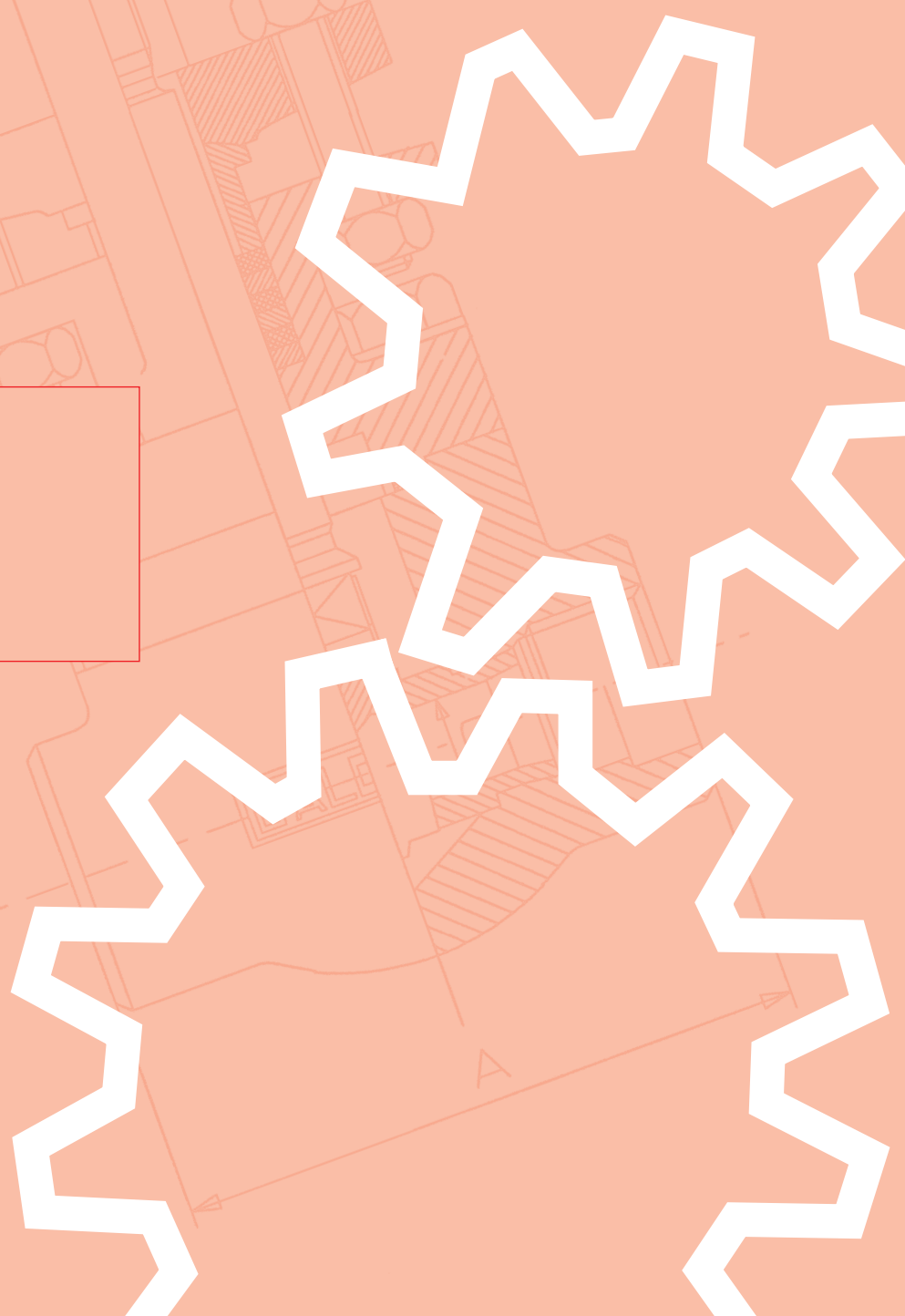
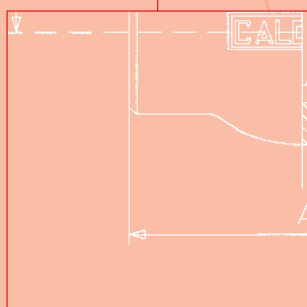
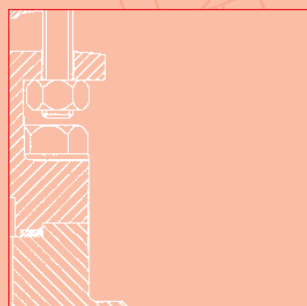
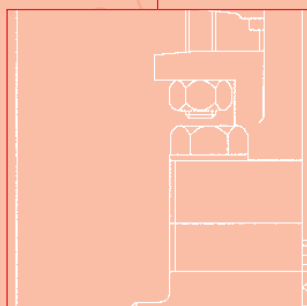
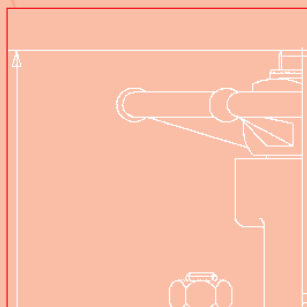
**Note** Bellows Seal Valves please see special section  
 Cryogenic Service please see special section  
 Pressure Seal Valves please see special section

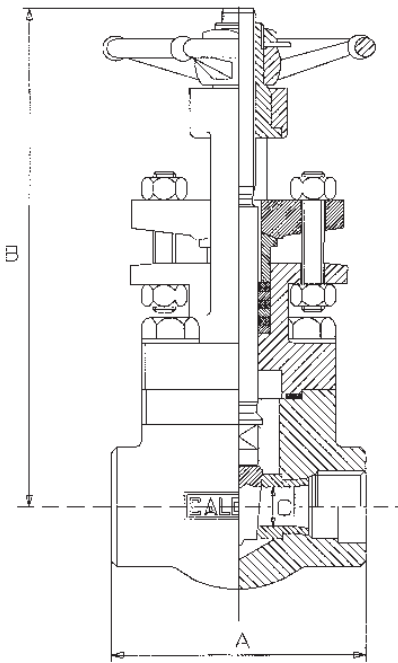
JIS Valve Standards Available on request  
 DIN Valve Standards Available on request

Inside Screw Valve Standards Available on request

**Class 800 and 1500**

**Bolted Bonnet - Full and Reduced bore**





Design & Construction:  
 API 602 - BS 5352  
 Testing according to API 598 - BS 6755  
 Marking MSS SP25

Outside Screw and Yoke (OS&Y)  
 Self aligning packing gland.  
 Spiral-wound gasket retained type.  
 Integral backseat  
 Socket weld Ends to ANSI B16.11  
 Screwed Ends (NPT) to ANSIB1.20.1  
 Butt Welding Ends to ANSI B.16.25

Ratings:

- carbon steel class 800 1975 psig @ 100° F  
 138 bar + 38° C
- carbon steel class 1500 3705 psig @ 100° F  
 255 bar + 38° C

## CLASS 800

FULL BORE									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A	inch	3.14	3.14	3.54	4.33	5.00	5.00	5.00	8.26
	mm	80	80	90	110	127	127	127	210
B Open	inch	5.86	5.86	6.41	7.00	8.26	9.56	10.3	14.3
	mm	148	148	163	178	210	243	262	365
C	inch	0.31	0.38	0.55	0.70	0.94	1.18	1.45	1.89
	mm	8	9.6	14	18	24	30	37	48
Handwheel	inch	3.14	3.14	3.14	4.33	4.33	5.11	5.11	7.08
	mm	80	80	80	110	110	130	130	180
WEIGHT	lb	3.5	3.5	4.8	7.7	11	14.3	19.8	47.3
	kg	1.6	1.6	2.2	3.5	5	6.5	9	21.5
FIGURE	S88								
PACKING	T2		T2		T2		T4		T8
GASKET	40x30		40x30		40x30		48x38		54x44

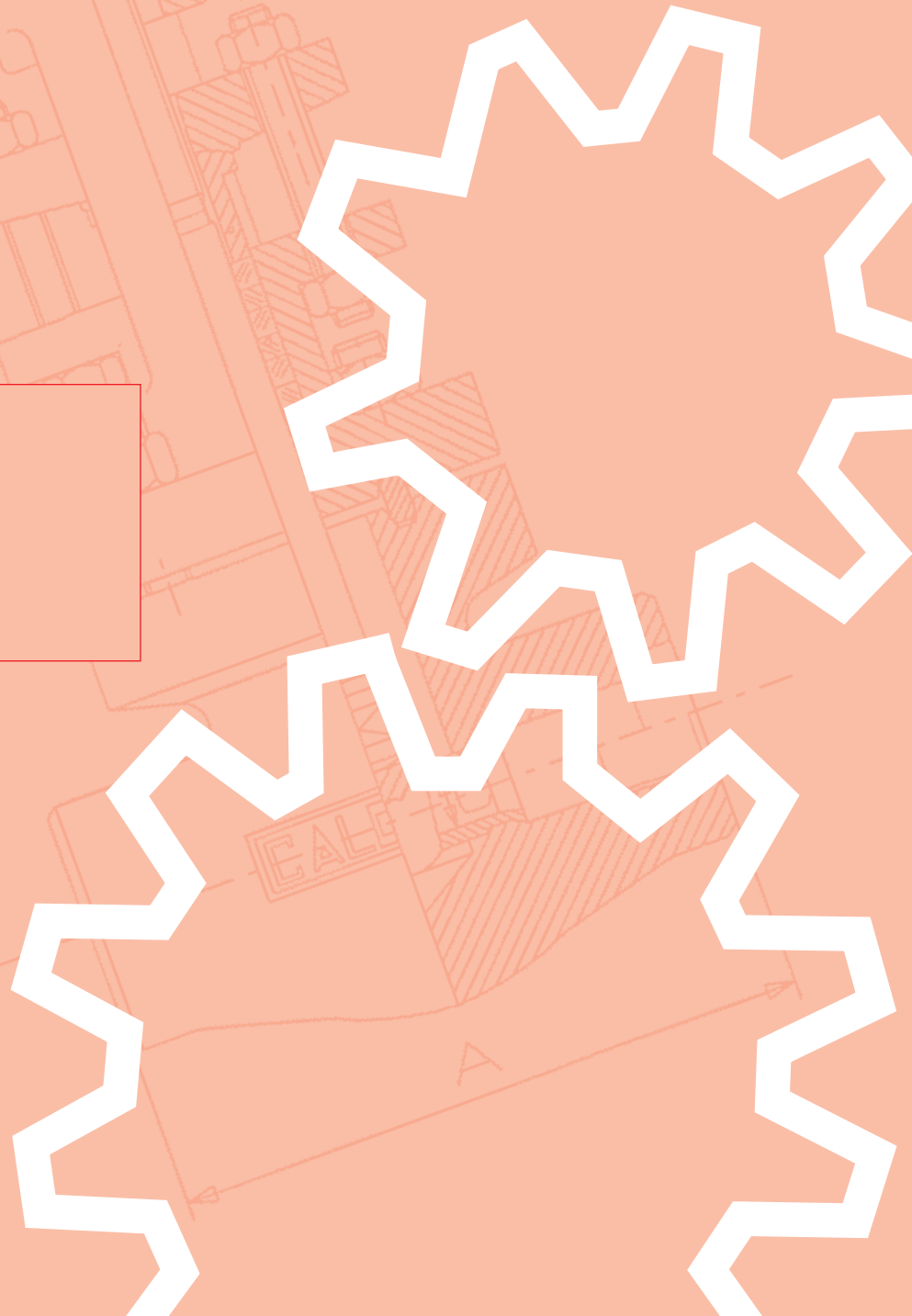
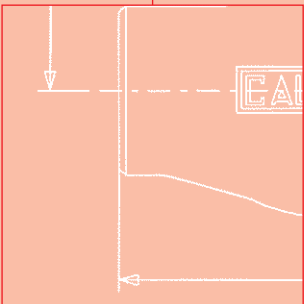
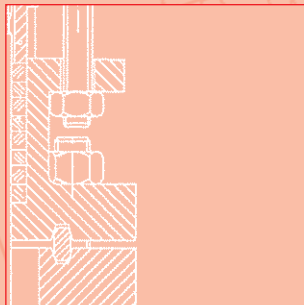
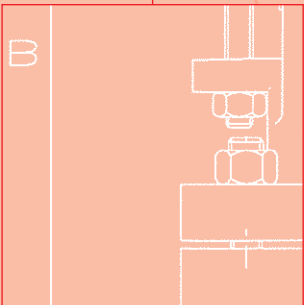
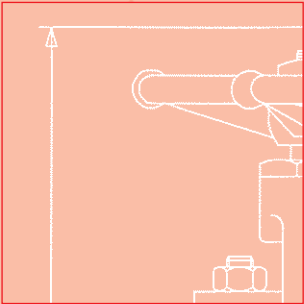
REDUCED BORE							
SIZE	inch	1/2	3/4	1	1.1/4	1.1/2	2
	mm	15	20	25	32	40	50
A	inch	3.14	3.54	4.33	5.00	5.00	5.00
	mm	80	90	110	127	127	127
B Open	inch	5.86	6.41	7.00	8.26	9.56	10.3
	mm	148	163	178	210	243	262
C	inch	0.38	0.55	0.70	0.94	1.18	1.45
	mm	9.6	14	18	24	30	37
Handwheel	inch	3.14	3.14	4.33	4.33	5.11	5.11
	mm	80	80	110	110	130	130
WEIGHT	lb	3.5	4.8	7.7	11	14.3	19.8
	kg	1.6	2.2	3.5	5	6.5	9
FIGURE	S8						
PACKING	T2		T2		T4		T6
GASKET	40x30		40x30		48x38		54x44

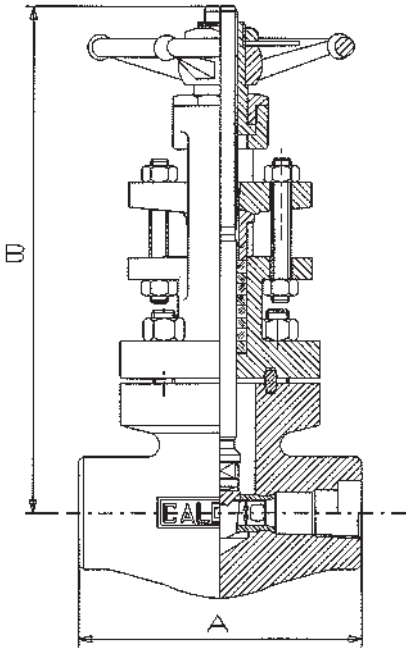
## CLASS 1500

FULL BORE									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A	inch	3.54	3.54	4.33	5.00	5.00	5.00	8.26	8.26
	mm	90	90	110	127	127	127	210	210
B Open	inch	5.70	6.29	6.89	8.26	9.45	10.2	13.9	14.1
	mm	145	160	175	210	240	260	355	360
C	inch	0.31	0.38	0.55	0.70	0.94	1.18	1.45	1.57
	mm	8	9.6	14	18	24	30	37	40
Handwheel	inch	3.14	3.14	4.33	4.33	5.11	5.11	7.08	7.08
	mm	80	80	110	110	130	130	180	180
WEIGHT	lb	4.8	4.8	8.3	12.1	14.9	20.9	49.5	48.4
	kg	2.2	2.2	3.8	5.5	6.8	9.5	22.5	22
FIGURE	S1515								
PACKING	T4		T4		T5		T25		T8
GASKET	40x30		40x30		40x30		48x38		54x44

REDUCED BORE							
SIZE	inch	1/2	3/4	1	1.1/4	1.1/2	2
	mm	15	20	25	32	40	50
A	inch	3.54	4.33	5.00	5.00	5.00	8.26
	mm	90	110	127	127	127	210
B Open	inch	6.29	6.89	8.26	9.45	10.2	13.9
	mm	160	175	210	240	260	355
C	inch	0.38	0.55	0.70	0.94	1.18	1.45
	mm	9.6	14	18	24	30	37
Handwheel	inch	3.14	4.33	4.33	5.11	5.11	7.08
	mm	80	110	110	130	130	180
WEIGHT	lb	4.8	8.3	12.1	14.9	20.9	49.5
	kg	2.2	3.8	5.5	6.8	9.5	22.5
FIGURE	S15						
PACKING	T4		T5		T25		T8
GASKET	40x30		40x30		48x38		54x44

## **Class 1500 and 2500** **Bolted Bonnet - Full Bore**





Design & Construction:

BS 5352

ASME B16.34

Testing according to API 598 - BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Oval ring joint gasket

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

Ring - Joint Gasket to ASME B16.20 - API 6A

Ratings standard class:

- carbon steel class 1500 3705 psig @ 100° F  
255 bar + 38° C

- carbon steel class 2500 6170 psig @ 100° F  
425 bar + 38° C

## CLASS 1500

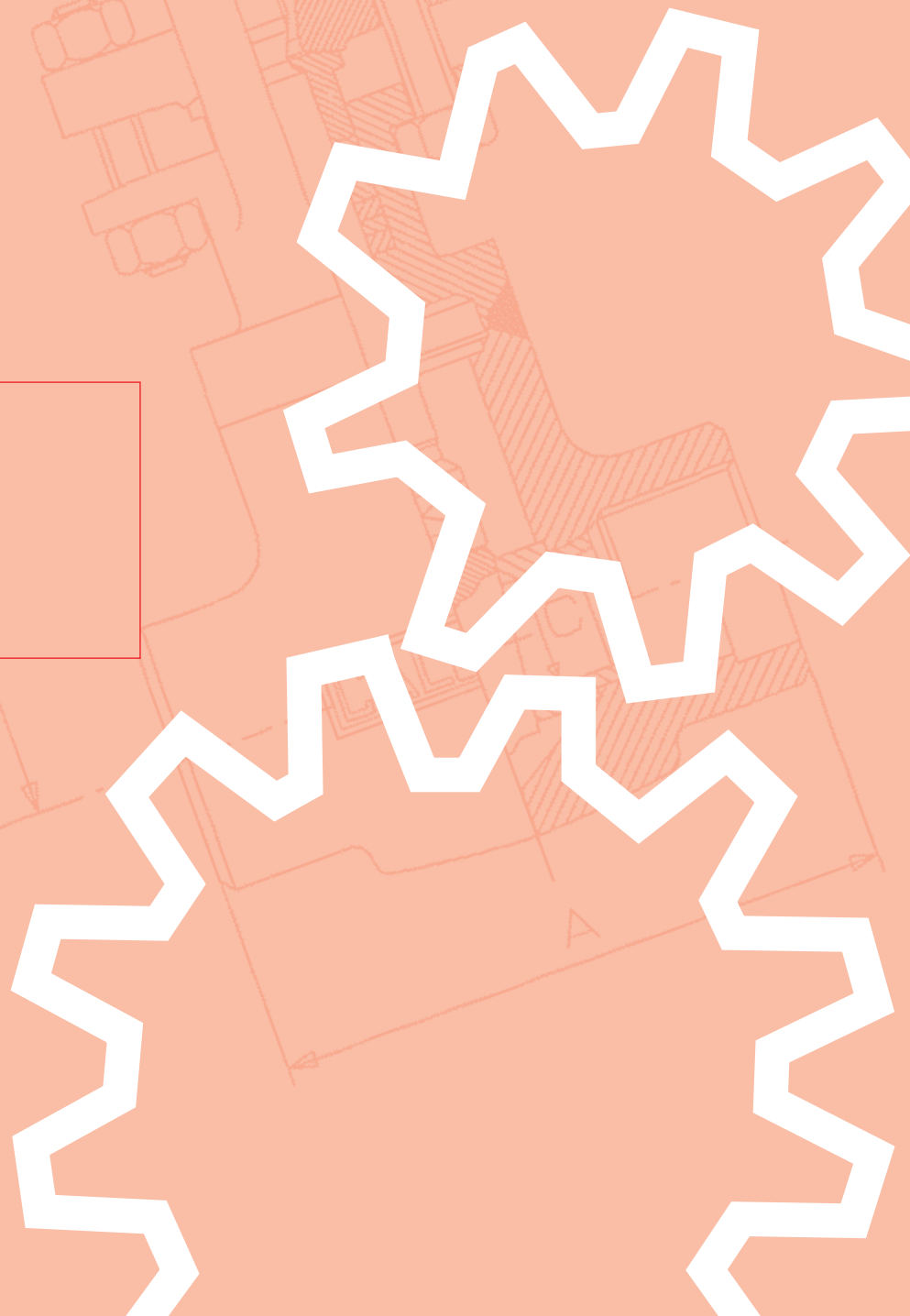
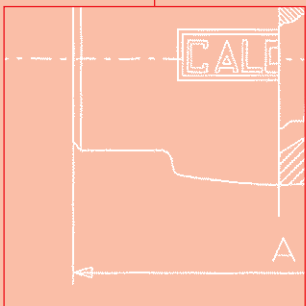
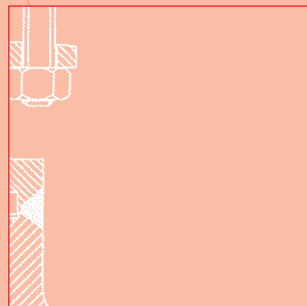
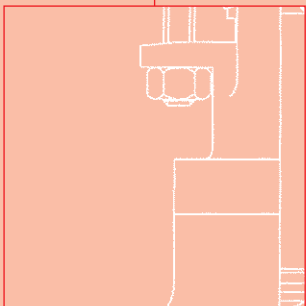
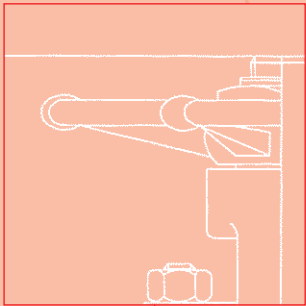
FULL BORE									
SIZE	inch mm	1/4 6	3/8 10	1/2 15	3/4 20	1 25	1.1/4 32	1.1/2 40	2 50
A	inch mm	- -	- -	4.33 110	5.90 150	5.90 150	- -	8.26 210	9.25 235
B Open	inch mm	- -	- -	8.93 227	11.8 300	12 307	- -	15.7 400	17.6 448
C	inch mm	- -	- -	0.55 14	0.70 18	0.94 24	- -	1.45 37	1.89 48
Handwheel	inch mm	- -	- -	4.33 110	5.11 130	5.11 130	- -	7.08 180	9.84 250
WEIGHT	lb kg	- -	- -	11.0 5	22.0 10	25.3 11.5	- -	48.4 22	81.5 37
FIGURE	RJS1515								
PACKING	-	-	T5	T6	T6	-	T8	T918	
GASKET	-	-	RJ-13	RJ-16	RJ-17	-	RJ-21	RJ-24	

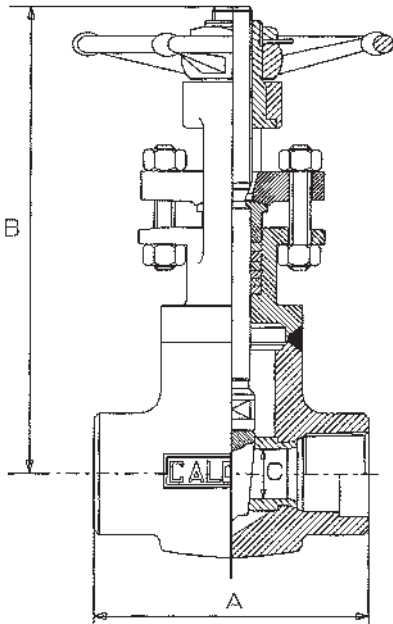
## CLASS 2500

FULL BORE									
SIZE	inch mm	1/4 6	3/8 10	1/2 15	3/4 20	1 25	1.1/4 32	1.1/2 40	2 50
A	inch mm	- -	- -	5.90 150	5.90 150	8.26 210	- -	9.25 235	9.25 235
B Open	inch mm	- -	- -	11.5 293	11.8 300	15.3 390	- -	17.1 435	17.1 435
C	inch mm	- -	- -	0.55 14	0.70 18	0.94 24	- -	1.45 37	1.45 37
Handwheel	inch mm	- -	- -	5.11 130	5.11 130	9.84 250	- -	11.8 300	11.8 300
WEIGHT	lb kg	- -	- -	22.0 10	22.7 10.3	49.3 22.4	- -	83.7 38	83.7 38
FIGURE	RJS25								
PACKING	-	-	T25X	T6X	T8X	-	T2528X	T2528X	
GASKET	-	-	RJ-13	RJ-16	RJ-17	-	RJ-21	RJ-21	

**Class 800 and 1500**

**Welded Bonnet - Full and Reduced Bore**





Design & Construction:  
 API 602 - BS 5352  
 ASME B16.34  
 Testing according to API 598 - BS 6755  
 Marking MSS SP25

Outside Screw and Yoke (OS&Y)  
 Self aligning packing gland in two parts  
 Integral backseat  
 Full Penetration weld  
 Screwed & Seal weld on request

Socket weld Ends to ANSI B16.11  
 Screwed Ends (NPT) to ANSI B1.20.1  
 Butt Welding Ends to ANSI B.16.25

Ratings standard class:  
 - carbon steel class 800 1475 psig @ 100°F  
 138 bar +38°C  
 - carbon steel class 1500 3705 psig @ 100°F  
 255 bar + 38°C

## CLASS 800

FULL BORE									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A	inch	3.14	3.14	3.54	4.33	5.00	5.00	5.00	8.26
	mm	80	80	90	110	127	127	127	210
B Open	inch	3.14	5.86	6.41	7.00	8.26	9.56	10.3	14.3
	mm	148	148	163	178	210	243	262	365
C	inch	0.31	0.38	0.55	0.70	0.94	1.18	1.45	1.89
	mm	8	9.6	14	18	24	30	37	48
Handwheel	inch	3.14	3.14	3.14	4.33	4.33	5.11	5.11	7.08
	mm	80	80	80	110	110	130	130	180
WEIGHT	lb	3.5	3.5	4.8	7.7	11	13.8	17.6	37.4
	kg	1.6	1.6	2.2	3.5	5	6.3	8	17
FIGURE	WS88								
PACKING	T2	T2	T2	T4	T5	T6	T6	T8	

REDUCED BORE							
SIZE	inch	1/2	3/4	1	1.1/4	1.1/2	2
	mm	15	20	25	32	40	50
A	inch	3.14	3.54	4.33	5.00	5.00	5.00
	mm	80	90	110	127	127	127
B Open	inch	5.86	6.41	7.00	8.26	9.56	10.3
	mm	148	163	178	210	243	262
C	inch	0.38	0.55	0.70	0.94	1.18	1.45
	mm	9.6	14	18	24	30	37
Handwheel	inch	3.14	3.14	4.33	4.33	5.11	5.11
	mm	80	80	110	110	130	130
WEIGHT	lb	3.5	4.8	7.7	11	13.8	17.6
	kg	1.6	2.2	3.5	5	6.3	8
FIGURE	WS8						
PACKING	T2	T2	T4	T5	T6	T6	

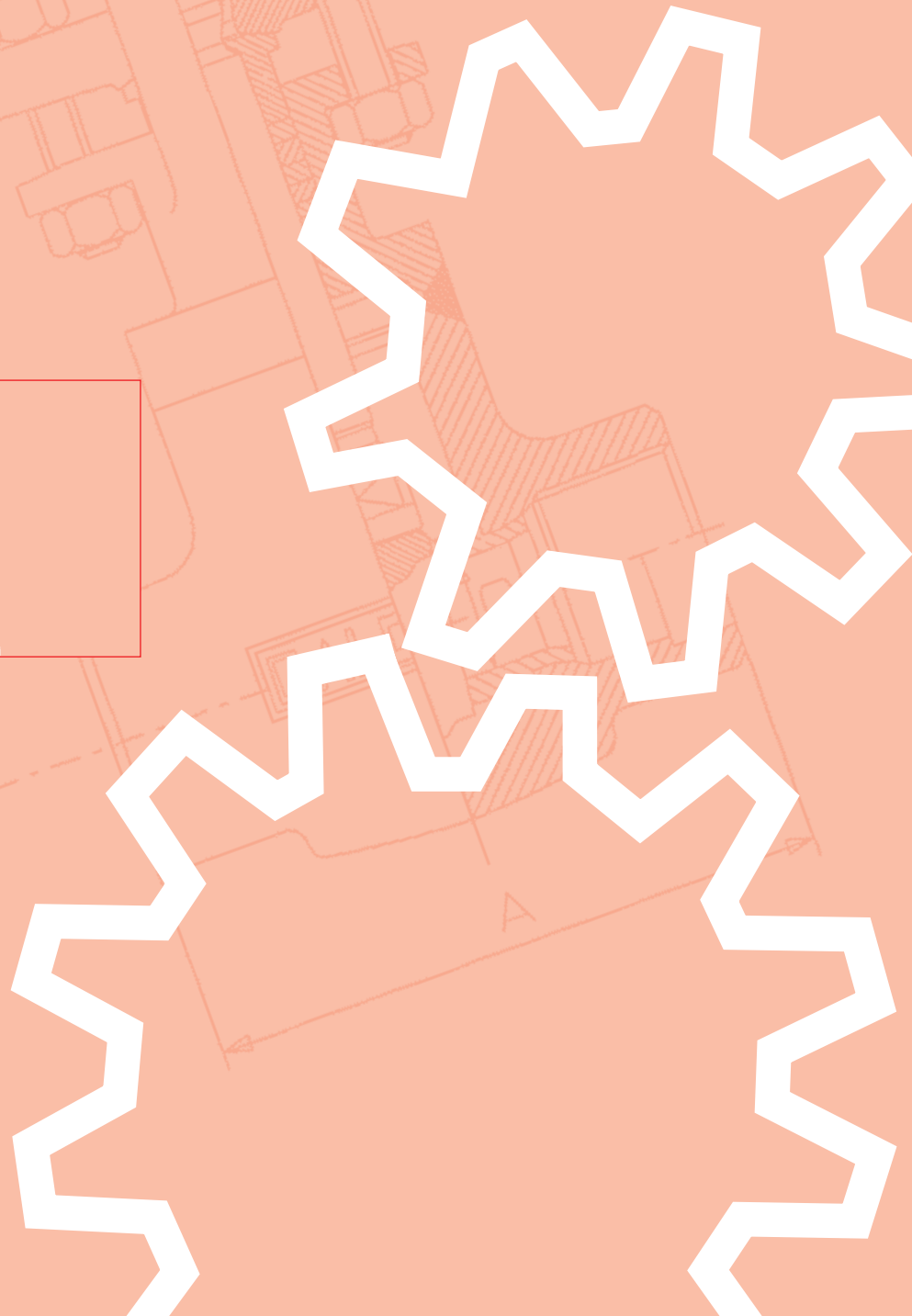
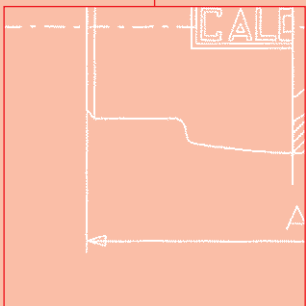
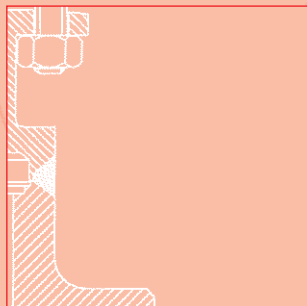
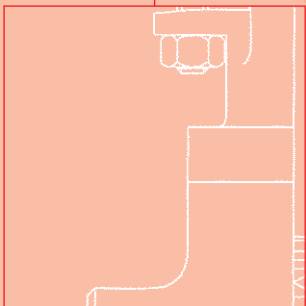
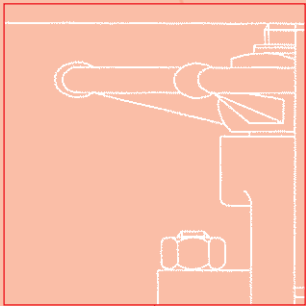
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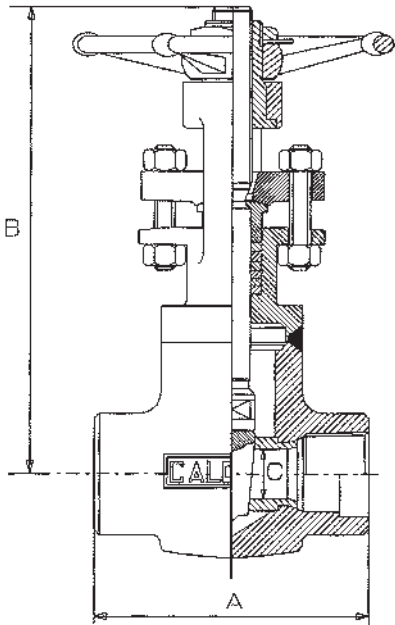
FULL BORE									
SIZE	inch	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
	mm	6	10	15	20	25	32	40	50
A	inch	3.54	3.54	4.33	5.00	5.00	5.00	8.26	8.26
	mm	90	90	110	127	127	127	210	210
B Open	inch	5.70	6.29	6.89	8.26	9.45	10.2	13.9	14.1
	mm	145	160	175	210	240	260	355	360
C	inch	0.31	0.38	0.55	0.70	0.94	1.18	1.45	1.57
	mm	8	9.6	14	18	24	30	37	40
Handwheel	inch	3.14	3.14	4.33	4.33	5.11	5.11	7.08	7.08
	mm	80	80	110	110	130	130	180	180
WEIGHT	lb	4.8	4.8	8.3	12.1	15	19.8	39.6	38.5
	kg	2.2	2.2	3.8	5.5	6.8	9	18.0	17.5
FIGURE	WS1515								
PACKING	T4	T4	T5	T25	T6	T27	T8	T918	

REDUCED BORE							
SIZE	inch	1/2	3/4	1	1.1/4	1.1/2	2
	mm	15	20	25	32	40	50
A	inch	3.54	4.33	5.00	5.00	5.00	8.26
	mm	90	110	127	127	127	210
B Open	inch	6.29	6.89	8.26	9.45	10.2	13.9
	mm	160	175	210	240	260	355
C	inch	0.38	0.55	0.70	0.94	1.18	1.45
	mm	9.6	14	18	24	30	37
Handwheel	inch	3.14	4.33	4.33	5.11	5.11	7.08
	mm	80	110	110	130	130	180
WEIGHT	lb	4.8	8.3	12.1	15	19.8	39.6
	kg	2.2	3.8	5.5	6.8	9	18.0
FIGURE	WS15						
PACKING	T4	T5	T25	T6	T27	T8	

**Class 2500**

**Welded Bonnet - Full Bore**





**Design & Construction:**

BS 5352

ASME B16.34

Testing according to API 598 - BS 6755

Marking MSS SP25

Outside Screw and Yoke (OS&Y)

Self aligning packing gland in two parts

Integral backseat

Full penetration weld

Screwed & Seal welds on request

Socket weld Ends to ANSI B16.11

Screwed Ends (NPT) to ANSI B1.20.1

Butt Welding Ends to ANSI B.16.25

**Ratings standard class:**

- carbon steel class 2500 6170 psig @ 100° F  
425 bar + 38° C

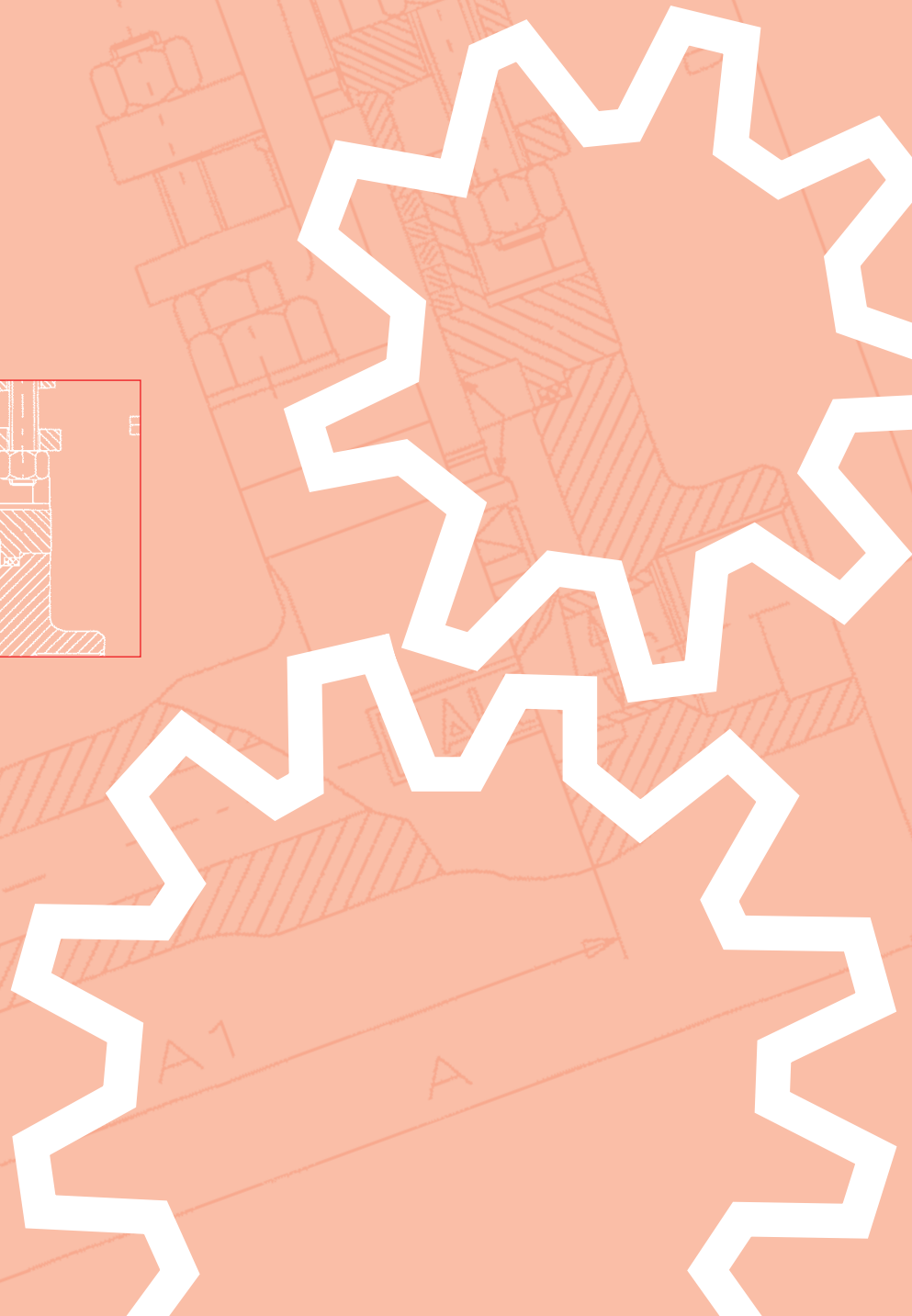
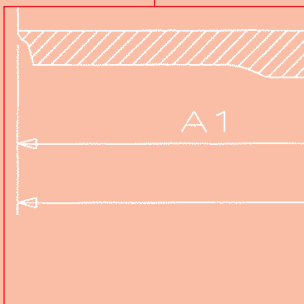
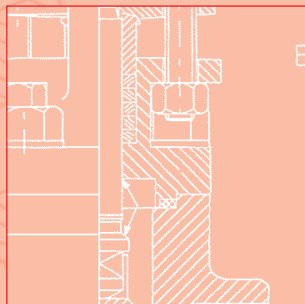
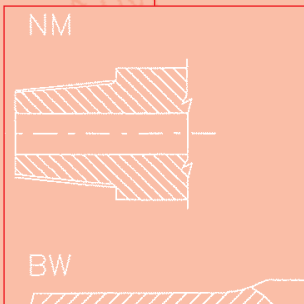
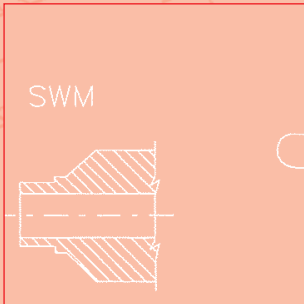
## CLASS 2500

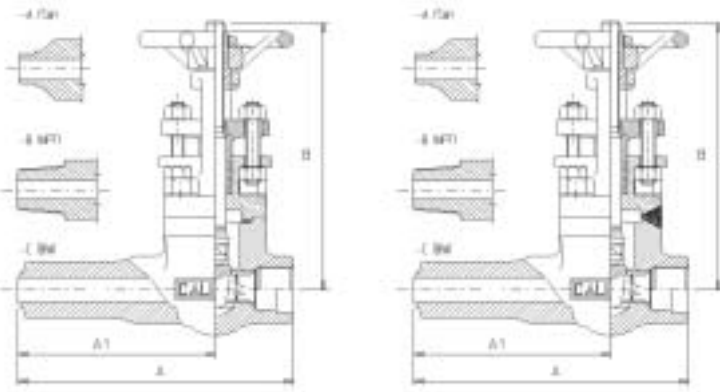
FULL BORE		1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
SIZE	inch mm	6	10	15	20	25	32	40	5
A	inch mm	-	-	5.00 127	5.00 127	5.00 127	-	9.25 235	9.25 235
B Open	inch mm	-	-	8.42 214	9.40 239	9.96 253	-	16.7 425	16.9 430
C	inch mm	-	-	0.55 14	0.70 18	0.94 24	-	1.45 37	1.45 37
Handwheel	inch mm	-	-	5.11 130	5.11 130	5.11 130	-	11.8 300	11.8 300
WEIGHT	lb kg	-	-	12.7 5.8	15.4 7	22.0 10	-	57.3 26	56.2 25.5
FIGURE	WS25								
PACKING	-	-	T6X	T6X	T8X	-	T2528X	T2528X	

**Class 800 and 1500**

**Bolted Bonnet - Welded Bonnet**

**Extended Body**





Design construction:  
API 602  
Testing according to API 598 - BS 6755  
Marking MSS SP25

Outside Screw and Yoke (OS&Y)  
Self aligning packing gland in two parts  
Spiral-wound gasket retained type  
Integral backseat  
Socket weld Ends to ANSI B16.11  
Screwed Ends (NPT) to ANSIB1.20.1  
Butt Welding Ends to ANSI B.16.25

Ratings:  
- carbon steel class 800 1975 psig @ 100° F  
138 bar + 38° C  
- carbon steel class 1500 3705 psig @ 100° F  
255 bar + 38° C

## BOLTED BONNET

### CLASS 800

SIZE	inch mm	1/2 15	3/4 20	1 25	1.1/2 40	2 50
A	inch mm	5.82 148	6.02 153	7.16 182	8.50 216	10.4 264
A1	inch mm	4.25 108	4.25 108	5.00 127	6.00 152	7.87 200
B Open	inch mm	5.82 148	6.41 163	7.00 178	9.56 243	10.3 262
C	inch mm	0.38 9.6	0.55 14	0.70 18	1.18 30	1.45 37
Handwheel	inch mm	3.14 80	3.14 80	4.33 110	5.11 130	5.11 130
WEIGHT	lb kg	4.6 2.1	6.2 2.8	9.7 4.4	18.3 8.3	26.4 12
FIGURE	S8EB					
PACKING	T2 T4 T5 T6 T8					
GASKET	40x30 48x38 54x44 74x60 95x78					

### CLASS 1500

SIZE	inch mm	1/2 15	3/4 20	1 25	1.1/2 40	2 50
A	inch mm	6.02 153	7.16 182	8.50 216	10.4 264	10.4 264
A1	inch mm	4.25 108	5.00 127	6.00 152	7.87 200	7.44 189
B Open	inch mm	6.41 163	7.00 178	8.26 210	10.3 262	13.9 355
C	inch mm	0.38 9.6	0.55 14	0.70 18	1.18 30	1.45 37
Handwheel	inch mm	3.14 80	4.33 110	4.33 110	5.11 130	7.08 180
WEIGHT	lb kg	6.8 3.1	10.6 4.8	16.5 7.5	26.4 12	48.7 22.1
FIGURE	S15EB					
PACKING	T5 T25 T6 T8 T918					
GASKET	40x30 48x38 54x44 74x60 74x60					

## WELDED BONNET

### CLASS 800

SIZE	inch mm	1/2 15	3/4 20	1 25	1.1/2 40	2 50
A	inch mm	5.82 148	6.02 153	7.16 182	8.50 216	10.4 264
A1	inch mm	4.25 108	4.25 108	5.00 127	6.00 152	7.87 200
B Open	inch mm	5.82 148	6.41 163	7.00 178	9.56 243	10.3 262
C	inch mm	0.38 9.6	0.55 14	0.70 18	1.18 30	1.45 37
Handwheel	inch mm	3.14 80	3.14 80	4.33 110	5.11 130	5.11 130
WEIGHT	lb kg	4.6 2.1	6.2 2.8	9.7 4.4	17.8 8.1	23.2 10.5
FIGURE	WS8EB					
PACKING	T2 T4 T5 T6 T8					

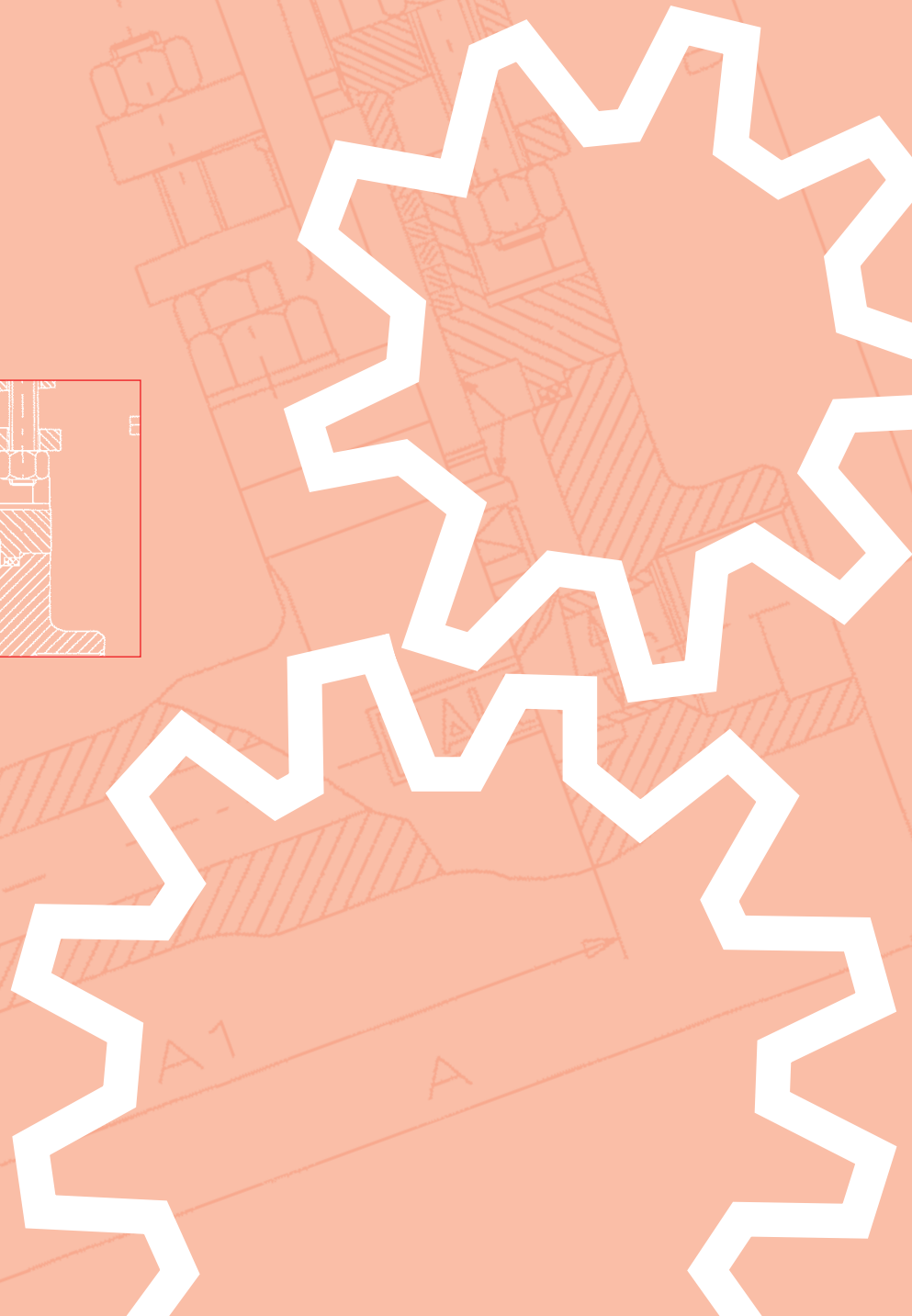
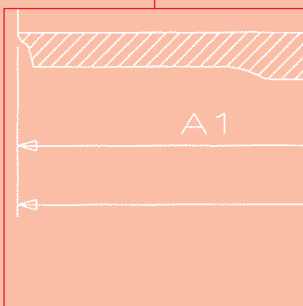
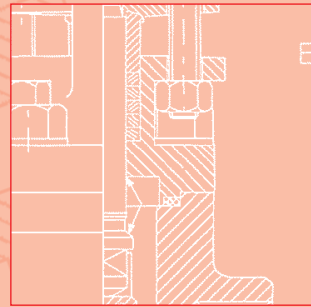
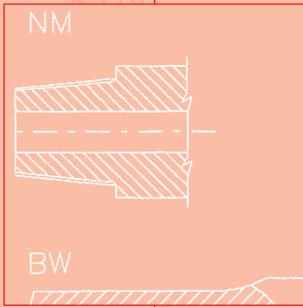
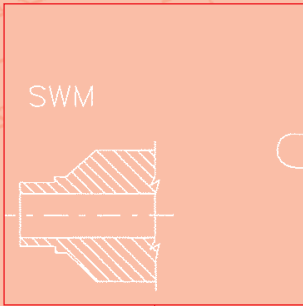
### CLASS 1500

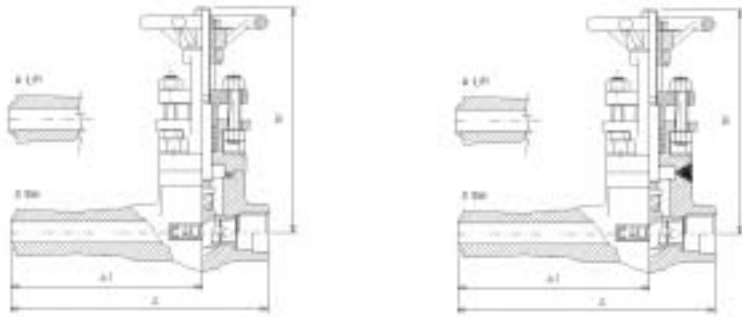
SIZE	inch mm	1/2 15	3/4 20	1 25	1.1/2 40	2 50
A	inch mm	6.02 153	7.16 182	8.50 216	10.4 264	10.4 264
A1	inch mm	4.25 108	5.00 127	6.00 152	7.87 200	7.44 189
B Open	inch mm	6.41 163	7.00 178	8.26 210	10.3 262	13.9 355
C	inch mm	0.38 9.6	0.55 14	0.70 18	1.18 30	1.45 37
Handwheel	inch mm	3.14 80	4.33 110	4.33 110	5.11 130	7.08 180
WEIGHT	lb kg	6.8 3.1	10.6 4.8	16.5 7.5	25.3 11.5	46.5 21.1
FIGURE	WS15EB					
PACKING	T5 T25 T6 T8 T918					

## **Class 800 and 1500**

### **Bolted Bonnet - Welded Bonnet**

### **Reinforced Extended Body**





Design construction:  
API 602  
Testing according to API 598 - BS 6755  
Marking MSS SP25

Outside Screw and Yoke (OS&Y)  
Self aligning packing gland  
Spiral-wound gasket retained type Integral backseat  
Socket weld Ends to ANSI B16.11  
Screwed Ends (NPT) to ANSIB1.20.1  
Butt Welding Ends to ANSI B.16.25

Ratings:  
- carbon steel class 800 1975 psig @ 100° F  
138 bar + 38° C  
- carbon steel class 1500 3705 psig @ 100° F  
255 bar + 38° C

## BOLTED BONNET

### CLASS 800

SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A	inch	7.71	8.66	9.60	10.4	10.6
	mm	196	220	244	265	270
A1	inch	6.14	6.88	7.44	7.91	8.11
	mm	156	175	189	201	206
B Open	inch	5.82	6.41	7.00	9.56	10.3
	mm	148	163	178	243	262
C	inch	0.38	0.55	0.70	1.18	1.45
	mm	9.6	14	18	30	37
Handwheel	inch	3.14	3.14	4.33	5.11	5.11
	mm	80	80	110	130	130
WEIGHT	lb	6.6	7.0	11.0	20.9	27.5
	kg	3	3.2	5	9.5	12.5
FIGURE	S8EB					
PACKING	T2		T4	T5	T6	T8
GASKET	40x30		48x38	54x44	74x60	95x78

### CLASS 1500

SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A	inch	8.66	9.60	10.4	10.6	10.6
	mm	220	244	265	270	270
A1	inch	6.88	7.44	7.91	8.11	6.50
	mm	175	189	201	206	165
B Open	inch	6.41	7.00	8.26	10.3	13.9
	mm	163	178	210	262	355
C	inch	0.38	0.55	0.70	1.18	1.45
	mm	9.6	14	18	30	37
Handwheel	inch	3.14	4.33	4.33	5.11	7.08
	mm	80	110	110	130	180
WEIGHT	lb	7.7	11.9	17.8	29.7	53.0
	kg	3.5	5.4	8.1	13.5	24.1
FIGURE	S15EB					
PACKING	T2		T2	T4	T6	T6
GASKET	40x30		40x30	48x38	66x54	74x60

## WELDED BONNET

### CLASS 800

SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A	inch	7.71	8.66	9.60	10.4	10.6
	mm	196	220	244	265	270
A1	inch	6.14	6.88	7.44	7.91	8.11
	mm	156	175	189	201	206
B Open	inch	5.82	6.41	7.00	9.56	10.3
	mm	148	163	178	243	262
C	inch	0.38	0.55	0.70	1.18	1.45
	mm	9.6	14	18	30	37
Handwheel	inch	3.14	3.14	4.33	5.11	5.11
	mm	80	80	110	130	130
WEIGHT	lb	6.6	7.0	11.0	20.5	27.5
	kg	3	3.2	5	9.3	12.5
FIGURE	WS8EB					
PACKING	T5		T25	T6	T8	T918

### CLASS 1500

SIZE	inch	1/2	3/4	1	1.1/2	2
	mm	15	20	25	40	50
A	inch	8.66	9.60	10.4	10.6	10.6
	mm	220	244	265	270	270
A1	inch	6.88	7.44	7.91	8.11	6.50
	mm	175	189	201	206	165
B Open	inch	6.41	7.00	8.26	10.3	13.9
	mm	163	178	210	262	355
C	inch	0.38	0.55	0.70	1.18	1.45
	mm	9.6	14	18	30	37
Handwheel	inch	3.14	4.33	4.33	5.11	7.08
	mm	80	110	110	130	180
WEIGHT	lb	7.7	11.9	17.8	28.6	50.9
	kg	3.5	5.4	8.1	13	23.1
FIGURE	WS15EB					
PACKING	T4		T5	T25	T27	T8

**Reinforced - Lip -  
Class 800 & 1500**

SIZE	1/2	4/3	1	1.1/2	2
H	inch 0.70	0.91	1.10	1.73	1.97
	mm 18	23	28	44	50
I	inch 0.80	1.00	1.20	1.85	2.08
	mm 20.5	25.5	30.5	47	53
G	inch 0.15	0.17	0.19	0.25	0.31
	mm 4	4.5	5	7	8
Min.	1	1.1/2	2	3	4



### BOLTED BONNET

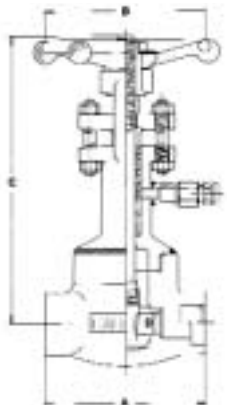
Outside Screw and Yoke  
Solid Wedge

## Sour Service

NACE STANDARD MR-01-75

CLASS 800 API 602 - BS 5352 Regular Port Full Port on request Dimensions on page 18	RATINGS	MATERIAL		
		Body/Bonnet	Trim	Bolting
	1975 psi @ 100°F Other ratings page 86	Carbon Steel	type 410 HFS type 316	B7M
CLASS 1500 API 602 - BS 5352 Regular Port Dimensions on page 18	3705 psi @ 100°F Other ratings page 86			

Welded Bonnet type on request



### WELDED BONNET

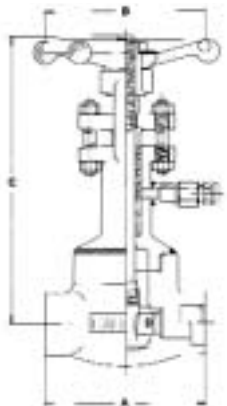
Outside Screw and Yoke  
Double Packing  
Lantern Ring  
Grease Injector  
Solid Wedge

## Alkylation Service

VALVES CONTAIN TEFLON  
Max. temp. 450°F - 250°C

CLASS 800 API 602 - BS 5352 Regular Port Full Port on request	RATINGS	MATERIAL		
		Body/Bonnet	Trim	Bolting
For dimensions see CALOBRI data sheets	1975 psi @ 100°F Other ratings page 86	Carbon Steel	Monel Teflon	B7

Bolted Bonnet type on request



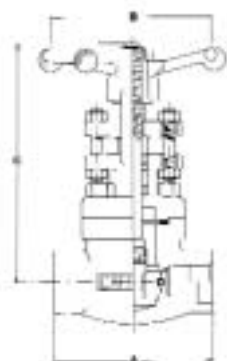
### WELDED BONNET

Outside Screw and Yoke  
Double Packing  
Lantern Ring  
Grease Injector  
Solid Wedge

## Vacuum Service - Extended Bonnet

CLASS 800 API 602 - BS 5352 Regular Port Full Port on request	RATINGS	MATERIAL		
		Body/Bonnet	Trim	Bolting
For dimensions see CALOBRI data sheets	1975 psi @ 100°F Other ratings page 86	Carbon Steel	13% Cr	B7

Bolted Bonnet type on request



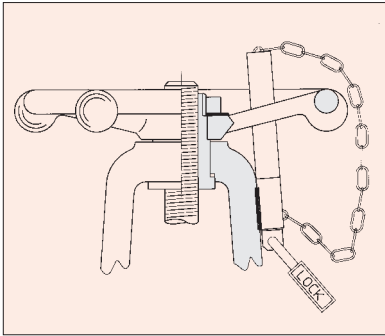
### BOLTED BONNET

Outside Screw and Yoke  
Solid Wedge

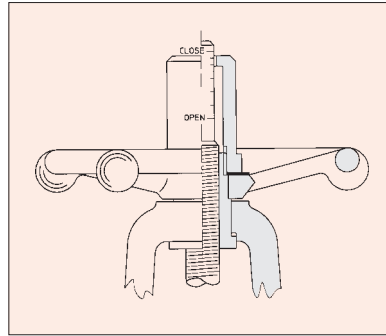
## Chlorine Service

CLASS 800 API 602 - BS 5352 Regular Port Full Port on request Dimensions on page 18	RATINGS	MATERIAL		
		Body/Bonnet	Trim	Bolting
	1975 psi @ 100°F Other ratings page 86	Carbon Steel	Hastelloy "C" seats Monel stem and disc	B7

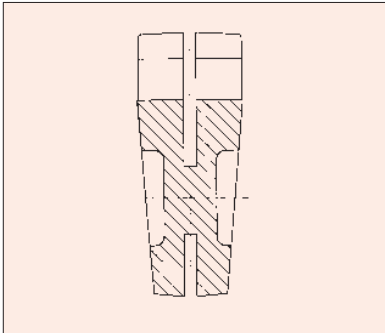
Welded Bonnet type on request



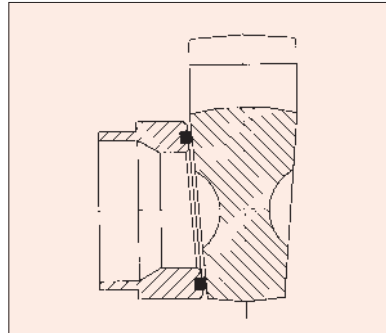
**LOCKING  
DEVICE**



**POSITION  
INDICATOR**

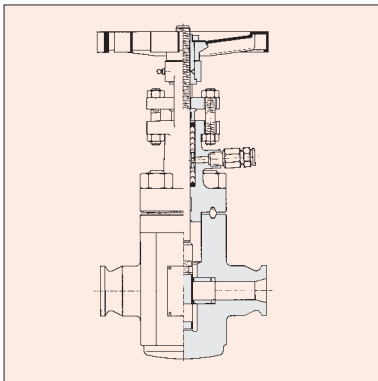


**FLEXIBLE  
WEDGE**



**PTFE  
INSERT ON SEAT**

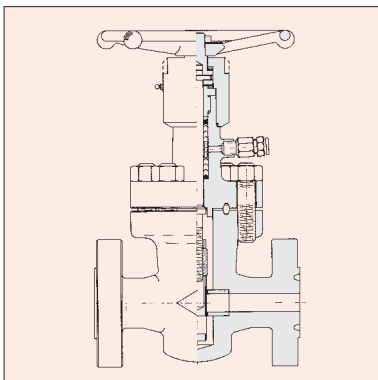
## GATE VALVES SPECIALITY PRODUCTS



### THROUGH CONDUIT API 6D

API 6D	CLASS	MATERIALS
Design	600	Carbon Steel
Outside Screw and York	900/1500 2500	Low Temp. Carbon Steel / Alloys Stainless Steel Alloys

Please refer to CALOBRI **Thought Conduit Catalog C-TC02**



### THROUGH CONDUIT API 6A

API 6A	CLASS	MATERIALS
Design	3000	Carbon Steel
Inside Screw and York	5000 10000	Low Temp. Carbon Steel / Alloys Stainless Steel Alloys

Please refer to CALOBRI **Thought Conduit Catalog C-TC02**