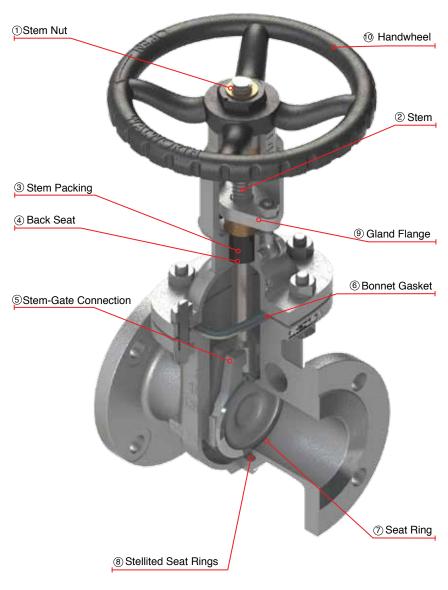


API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 150 CAST STEEL GATE VALVES, WITH RISING STEM AND OUTSIDE SCREW AND YOKE (OS&Y)

DESIGN FEATURES

- Gate valves design in accordance with API-603
- · Standard manufacturing wedge flexible wedge
- · Flange dimensions in accordance with ASME
- · Gate and Globe Valves for cryogenic service with gas column in accordance with BS-6364 upon request
- · Hand-wheel, impact hand-wheel, chain-wheel, electric, pneumatic or hydraulic actuation as per customer requirements
- · By-Pass, lantern rings, grease injectors, special connections, etc.
- · Low fugitive emissions control
- NACE service either MR-01-75 or MR-01-03
- Test in accordance with API-598
- (1) Stem Nut, replaceable in line to avoid shut down of pipeline process.
- (2) Rising stem with precision ACME single or double thread for quick operation. Surface finish suitable to seal properly to obtain low fugitive emissions.
- (3) Stem Packing is designed for optimum control of fugitive emissions leakage to the atmosphere. The ultra-low emission leakage rate is assured by the polished finish stem sealing area, the reduced diametrical clearances, and the stem straightness control special designed packing. Live load packing arrangement available upon request.
- (4) Integral backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended. Hard faced backseat available for severe service as per customer requirements.
- (5) Stem-Gate connection designed so that under severe applied loads (stuck gate), the stem will fail outside of the stuffing box pressure boundary.
- (6) Body to Bonnet joint is designed to apply a uniform load to the gasket to assure a leak proof seal.
- (7) Integral seat rings designed to provide a bubble tight joint.
- (8) Stellite 6 overlay on wedge Seating Surfaces provide increased resistance to wear, abrasion and erosion.
- (9) Two-piece arrangement gland flange and stem packing bushing for self-alignment to avoid stem damage.
- Gate valves supplied handwheel operated as standard.





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 150 (INTEGRAL YOKE)

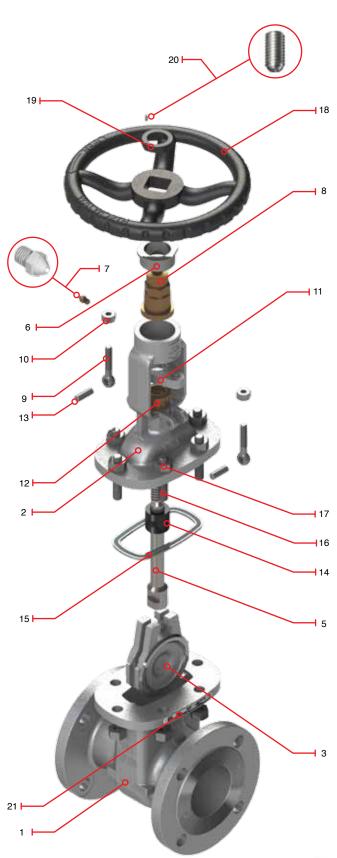
DESIGN FEATURES:

- Design in accordance with API 603
- Outside Screw & Yoke (OS&Y)
- · Flexible Wedge
- · Handwheel operated as standard
- · Integral Yoke
- Flange dimensions as per ASME B16.5
- End to end dimension as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5202RF	S5202F	Flanged Raised Face
S5202RTJ	S5202RJ	Ring Type Joint
S5202WE	S5202WE	Buttweld

No.	Description	Standard Material CF8M Trim 3HF
1	Body	ASTM A 351 GR CF8M
2	Bonnet	ASTM A 351 GR CF8M
3	Wedge	ASTM A 351 GR CF8M + ST 6
*4	Seat Ring	Integral Seat Ring
5	Stem	ASTM A 276 Type 316
6	Stem Nut Retainer	ASTM A182 F304
7	Grease Fitting	Commercial Steel
8	Stem Nut	ASTM B 148 UNS C95600
9	Eyebolt	ASTM A193 B8
10	Eyebolt Nut	ASTM A 194 Gr 8
11	Gland Flange	ASTM A182 F304
12	Packing Bushing	ASTM A182 F316
13	Eyebolt Pin	Alloy Steel
14	Stem Packing	Flexible graphite intermediate rings / Anti-extrusion rings on the top and bottom sides of the packing chamber
15	Bonnet Gasket	Graphite/Stainless Steel 316
16	Bonnet Stud	ASTM A 193 GR B8
17	Bonnet Stud Nut	ASTM A 194 GR 8
18	Handwheel	Commercial
19	Handwheel Nut	ASTM A 108 GR 1020
20	Oppressor	Alloy Steel
21	Identification Plate	Stainless Steel







API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 150 (INTEGRAL YOKE)

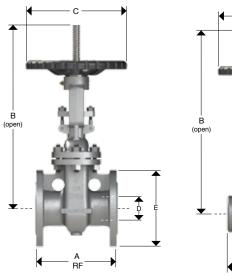


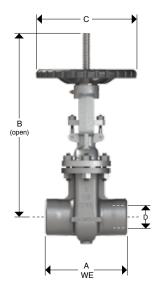
DESIGN FEATURES:

- Design in accordance with API 603Outside screw & yoke (OS&Y)Flexible wedge

- Handwheel operated as standard
- · Integral yoke
- Flange dimensions as per ASME B16.5
- End to end dimension as per ASME B16.10
 WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends		
S5202RF	S5202F	Flanged Raised Face		
S5202RTJ	S5202RJ	Ring Type Joint		
S5202WE	S5202WE	Buttweld		





D Nominal	mm	51	64	76	102	152	203	254	305
Diameter	in	2	2.5	3	4	6	8	10	12
A (DE and DE I)	mm	178	191	203	229	267	292	330	356
A (RF and RTJ)	in	7	7.5	8	9	10.5	11.5	13	14
A ()A(E)	mm	216	241	283	305	403	419	457	502
A (WE)	in	8.5	9.5	11.13	12	15.88	16.5	18	19.75
D (Onen)	mm	350	355	373	571	740	946	1130	1332
B (Open)	in	13.8	14	14.7	22.5	29.1	37.2	44.5	52.4
	mm	200	200	250	250	300	350	400	450
С	in	7.9	7.9	9.8	9.8	11.8	13.8	15.7	17.7
Е	mm	152	178	191	229	279	343	406	483
E	in	6	7	7.5	9	11	13.5	16	19
Weight	Kg	13	18	22	32	53	88	135	204
S5202RF	lb	28.7	39.7	48.5	70.56	116.9	194	297.7	449.8
Weight	Kg	9	15	18	28	45	72	108	180
S5202WE	lb	19.8	33.1	39.7	61.7	99.2	158.8	238.1	396.9



API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 150 (INDEPENDENT YOKE)

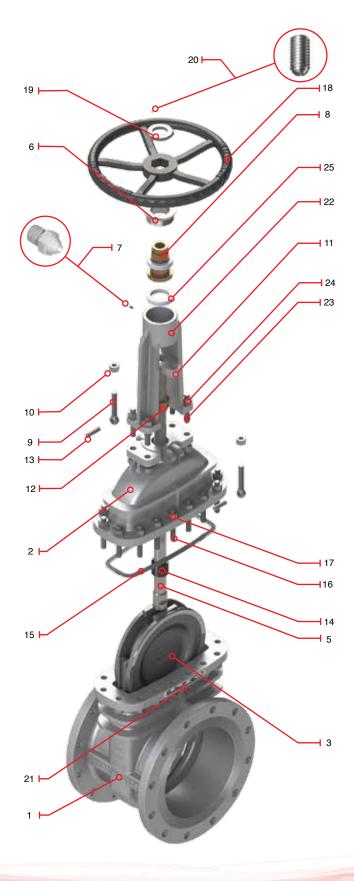
DESIGN FEATURES:

- Design in accordance with API 603
- Outside screw & yoke (OS&Y)
- Flexible wedge
- · Handwheel operated as standard
- · Independent yoke
- Flange dimensions as per ASME B16.5
- End to end dimension as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5202RF	S5202F	Flanged Raised Face
S5202RTJ	S5202RJ	Ring Type Joint
S5202WE	S5202WE	Buttweld

Regular Bill of Materials

No.	Description	Standard Material CF8M Trim 3HF
1	Body	ASTM A 351 GR CF8M
2	Bonnet	ASTM A 351 GR CF8M
3	Wedge	ASTM A 351 GR CF8M + ST 6
*4	Seat Ring	Integral Seat Ring
5	Stem	ASTM A 276 Type 316
6	Stem Nut Retainer	ASTM A182 F304
7	Grease Fitting	Commercial Steel
8	Stem Nut	ASTM B 148 UNS C95600
9	Eyebolt	ASTM A193 B8
10	Eyebolt Nut	ASTM A 194 Gr 8
11	Gland Flange	ASTM A182 F304
12	Packing Bushing	ASTM A182 F316
13	Eyebolt Pin	Alloy Steel
14	Stem Packing	Flexible graphite intermediate rings / Anti-extrusion rings on the top and bottom sides of the packing chamber
15	Bonnet Gasket	Graphite/Stainless 316
16	Bonnet Stud	ASTM A 193 GR B8M
17	Bonnet Stud Nut	ASTM A 194 GR 8M
18	Handwheel	Commercial
19	Handwheel Nut	ASTM A 108 GR 1020
20	Oppressor	Alloy Steel
21	Identification Plate	Stainless Steel
22	Yoke	ASTM A 351 GR CF8M
23	Yoke Bolt	ASTM A 193 GR B8
24	Yoke Bolt Nut	ASTM A 194 GR 8
25	Bearings	Commercial
*Not show	vn	





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 150 (INDEPENDENT YOKE)



Dimensions and Weights

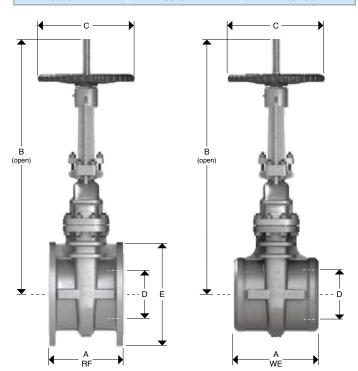
D Nominal	mm	356	406	457	508	610
Diameter	in	14	16	18	20	24
Α	mm	381	406	432	457	508
(RF)	in	15	16	17	18	20
Α	mm	572	610	660	711	813
(WE)	in	22.5	24	26	28	32
В	mm	1448	1680	1872	2058	2497
Б	in	57.0	66.1	73.7	81	98.3
С	mm	500	500	600	650	720
C	in	19.7	19.7	23.6	25.6	28.3
E	mm	533	597	635	699	813
E	in	21	23.5	25	27.5	32
Weight	Kg	349.2	459	540	826.2	1044
S5202RF	lb	770	1012.1	1190.7	1822	2302
Weight	Kg	317.2	424	457	542.2	652
S5202WE	lb	699.5	935	1007.7	1195.6	1437.7

DESIGN FEATURES:

- Design in accordance with API 603Outside screw & yoke (OS&Y)
- · Flexible wedge
- Handwheel operated as sandardIndependent yoke

- Flange dimensions as per ASME B16.5
 End to end dimension as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5202RF	S5202F	Flanged Raised Face
S5202RTJ	S5202RJ	Ring Type Joint
S5202WE	S5202WE	Buttweld

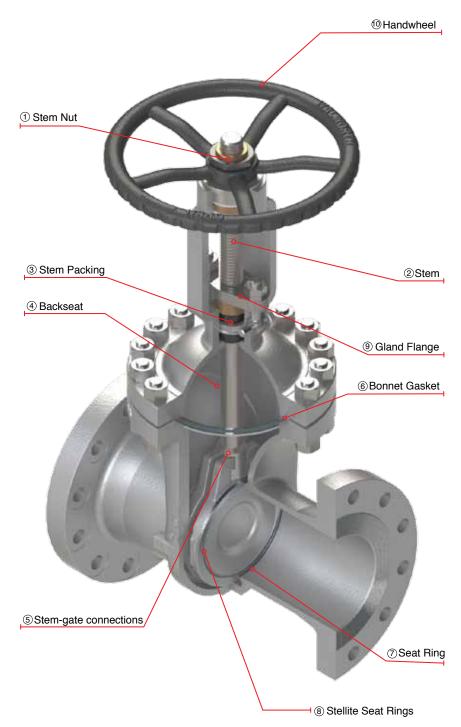




API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 300 CAST STEEL GATE VALVES, WITH RISING STEM AND OUTSIDE SCREW AND YOKE (OS&Y)

DESIGN FEATURES

- Gate valves design in accordance with API-603
- · Standard manufacturing flexible wedge
- Flange dimensions in accordance with ASME B16.5
- Gate and Globe Valves for cryogenic service with gas column in accordance with BS-6364 upon request
- Hand-wheel, impact hand-wheel, chainwheel, electric, pneumatic or hydraulic actuation as per customer requirements
- By-Pass, lantern rings, grease injectors, special connections, etc.
- · Low fugitive emissions control
- NACE service either MR-01-75 or MR-01-03
- · Test in accordance with API-598
- (1) Stem Nut, replaceable in line to avoid shut down of pipe line process.
- (2) Rising stem with precision ACME single or double thread for quick operation. Surface finish suitable to seal properly to obtain low fugitive emissions.
- 3 Stem Packing is designed for optimum control of fugitive emissions leakage to the atmosphere. The ultra-low emission leakage rate is assured by the polished finish stem sealing area, the reduced diametrical clearances, and the stem straightness control special designed packing. Live load packing arrangement available upon request.
- 4 Integral backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended. Hard faced backseat available for severe service as per customer requirements.
- (5) Stem-Gate connection designed so that under severe applied loads (stuck gate), the stem will fail outside of the stuffing box pressure boundary.
- (6) Body to Bonnet joint is designed to apply a uniform load to the gasket to assure a leak proof seal.
- This integral seat rings designed to provide a bubble tight joint.
- (8) Stellite 6 overlay on wedge Seating Surfaces provide increased resistance to wear, abrasion and erosion.
- Two-piece arrangement gland flange and stem packing bushing for self-alignment to avoid stem damage
- (i) Gate valves supplied handwheel operated as standard from 2" to 24".





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 300 (INTEGRAL YOKE)

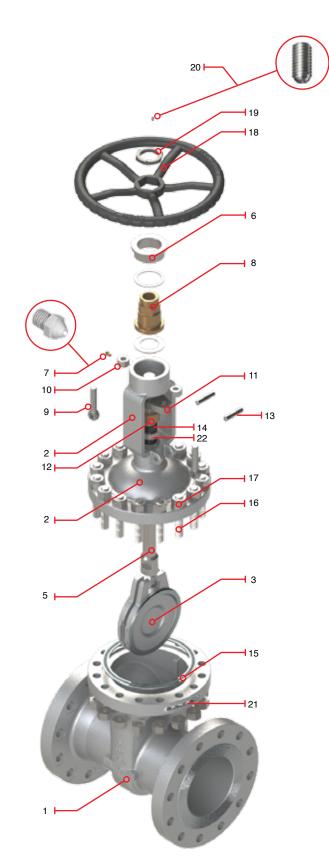
DESIGN FEATURES:

- Design in accordance with API-603
- Outside screw & yoke (OS&Y)
- · Flexible wedge
- · Handwheel operated as standard
- · Integral yoke
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends		
S5206RF	S5206F	Flanged Raised Face		
S5206RTJ	S5206RJ	Ring T ype Joint		
S5206WE	S5206WE	Buttweld		

No.	Description	Standard material
1	Body	ASTM A 351 GR CF8M
2	Bonnet	ASTM A 351 GR CF8M
3	Disc	ASTM A 351 GR CF8M + ST6
*4	Seat Ring	Integral Seat Ring
5	Stem	ASTM A182 F316
6	Stem Nut Retainer	ASTM A182 F304
7	Grease Fitting	Commercial Steel
8	Stem Nut	ASTM B 148 UNS C95600
9	Eyebolt	ASTM A193 B8
10	Eyebolt Nut	ASTM A194 Gr 8
11	Gland Flange	ASTM A182 F304
12	Packing Bushing	ASTM A182 F316
13	Eyebolt Pin	Alloy Steel
14	Stem Packing	Flexible graphite intermediate rings / Anti extrusion rings top and bottom side of packing chamber
15	Bonnet Gasket	Graphite / Stainless 316
16	Bonnet Stud	ASTM A 193 GR B8
17	Bonnet Stud Nut	ASTM A 194 GR 8
18	Handwheel	Commercial
19	Handwheel Nut	ASTM A 108 GR 1020
20	Oppressor	Alloy Steel
21	Identification Plate	Stainless Steel
22	Lantern Ring	ASTM A182 F316







API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 300 (INTEGRAL YOKE)

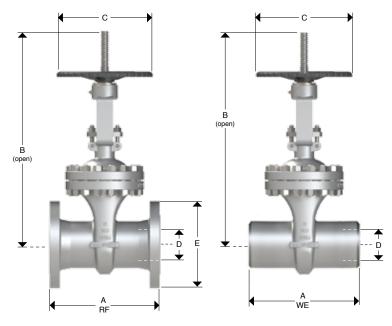


DESIGN FEATURES:

- Design in accordance with API-603Flexible wedge

- Plexible wedge
 Outside screw & yoke (OS&Y)
 Handwheel operated as standard
 Independent yoke
 Flange dimensions as per ASME B16.5
 End to end dimensions as per ASME B16.10
 WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends		
S5206RF	S5206F	Flanged Raised Face		
S5206RTJ	S5206RJ	Ring Type Joint		
S5206WE	S5206WE	Buttweld		



D Nominal	mm	51	64	76	102	152	203	254	305
Diameter	in	2	2.5	3	4	6	8	10	12
Α	mm	216	241	283	305	403	419	457	502
(RF and WE)	in	8.5	9.5	11.13	12	15.88	16.5	18	19.75
D (Onen)	mm	376	420	479	577	815	986	1123	1285
B (Open)	in	14.8	16.5	18.9	22.7	32.1	38.8	44.2	50.6
С	mm	250	250	250	300	350	400	450	500
C	in	9.8	9.8	9.8	11.8	13.8	15.7	17.7	19.7
_	mm	165	191	210	254	318	381	445	521
E	in	6.5	7.5	8 1/4	10	12.5	15	17.5	20.5
Weight	Kg	19	27	36	55	102	169	268	377
S5206RF	lb	41.9	59.5	79.4	121.3	224.9	372.6	590.9	831.3
Weight	Kg	14	19	26	36	82	141.6	245.9	314.3
S5206WE	lb	30.9	41.9	57.3	79.4	180.8	312.2	542.2	693.0



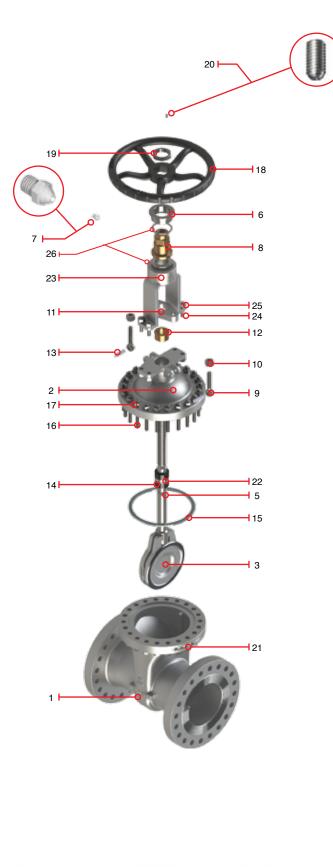
API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 300 (INDEPENDENT YOKE)

DESIGN FEATURES:

- Design in accordance with API-603
- Outside screw & yoke (OS&Y)
- · Flexible wedge
- · Handwheel operated as standard
- · Independent yoke
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5206RF	S5206F	Flanged Raised Face
S5206RTJ	S5206RJ	Ring Type Joint
S5206WE	S5206WE	Buttweld

No.	Description	Standard Material CF8M Trim 3HF
1	Body	ASTM A 351 GR CF8M
2	Bonnet	ASTM A 351 GR CF8M
3	Disc	ASTM A 351 GR CF8M + ST6
*4	Seat Ring	Integral Seat Ring
5	Stem	ASTM A182 F316
6	Stem Nut Retainer	ASTM A182 F304
7	Grease Fitting	Commercial Steel
8	Stem Nut	ASTM B 148 UNS C95600
9	Eyebolt	ASTM A193 B8M
10	Eyebolt Nut	ASTM A194 Gr 8
11	Gland Flange	ASTM A182 F304
12	Packing Bushing	ASTM A182 F316
13	Eyebolt Pin	Alloy Steel
14	Stem Packing	Flexible graphite intermediate rings / Anti extrusion rings top and bottom side of packing chamber
15	Bonnet Gasket	Graphite / Stainless 316
16	Bonnet Stud	ASTM A 193 GR B8
17	Bonnet Stud Nut	ASTM A 194 GR 8
18	Handwheel	Commercial
19	Handwheel Nut	ASTM A 108 GR 1020
20	Oppressor	Alloy Steel
21	Identification Plate	Stainless Steel
22	Lantern Ring	ASTM A182 F316
23	Yoke	ASTM A 351 GR CF8M
24	Yoke Bolt	ASTM A 193 GR B8
25	Yoke Bolt Nut	ASTM A 194 GR 8
26	Stem Nut Washer	Commercial





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 300 (INDEPENDENT YOKE)

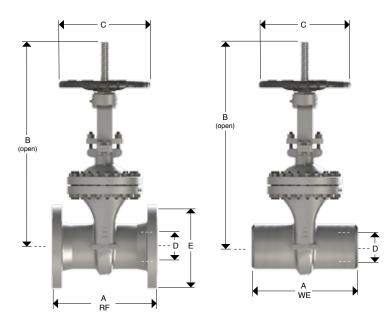


DESIGN FEATURES

- Design in accordance with API-603
- Flexible wedge
- Outside screw & yoke (OS&Y)
 Handwheel operated as standard
 Independent yoke

- Flange dimensions as per ASME B16.5
 End to end dimensions as per ASME B16.10
 WE dimensions as per ASME B16.25

	Catalog Figure No.	ID Plant Figure No.	Type of Ends
ı	S5206RF	S5206F	Flanged Raised Face
	S5206RTJ	S5206RJ	Ring Type Joint
ı	S5206WE	S5206WE	Buttweld



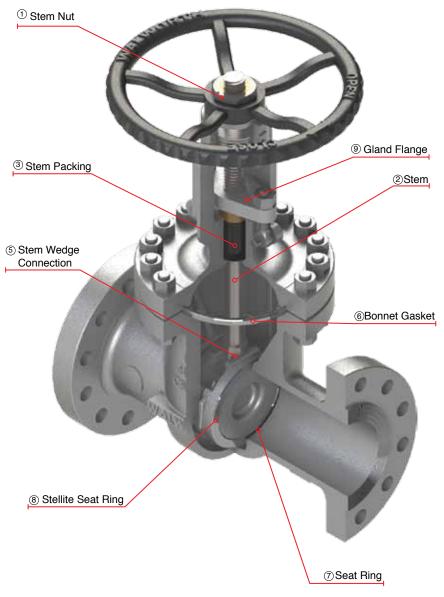
D Nominal	mm	356	406	457	508	610
Diameter	in	14	16	18	20	24
Α	mm	762	838	914	991	1143
(RF and WE)	in	30	33	36	39	45
D (O===)	mm	1594	1730	1924	2105	2335
B (Open)	in	62.75	68.13	75.75	82.88	91.88
0	mm	500	550	600	650	720
С	in	19.7	21.7	23.6	25.6	28.3
F	mm	584	648	711	775	914
E	in	23	25.5	28	30.5	36
Weight	Kg	816	1082	1469	1867	2200
S5206RF	lb	1799.3	2385.8	3239.1	4116.7	4851.0
Weight	Kg	725	923	1219	1582	1882
S5206WE	lb	1598.6	2035.2	2687.9	3488.3	4149.8



API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES CLASS 600 CAST STEEL GATE VALVES, WITH RISING STEM AND OUTSIDE SCREW AND YOKE (OS&Y)

DESIGN FEATURES:

- Gate valves design in accordance with API-603
- · Standard manufacturing flexible wedge
- · Flange dimensions in accordance with ASME B16.5
- · Gate and Globe Valves for cryogenic service with gas column in accordance with BS-6364 upon request
- · Hand-wheel, impact hand-wheel, chain-wheel, electric, pneumatic or hydraulic actuation as per customer requirements
- · By-Pass, lantern rings, grease injectors, special connections, etc.
- Low fugitive emissions control
- NACE service either MR-01-75 or MR-01-03
- Test in accordance with API-598
- 1) Stem Nut, replaceable in line to avoid shut down of pipe line process.
- (2) Rising stem with precision ACME single or double thread for quick operation. Surface finish suitable to seal properly to obtain low fugitive emissions.
- (3) Stem Packing is designed for optimum control of fugitive emissions leakage to the atmosphere. The ultra-low emission leakage rate is assured by the polished finish stem sealing area, the reduced diametrical clearances, and the stem straightness control special designed packing. Live load packing arrangement available upon request.
- (4) Integral Backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended. Hard faced backseat available for severe service as per customer requirements.
- (5) Stem-Gate connection designed so that under severe applied loads (stuck gate), the stem will fail outside of the stuffing box pressure boundary.
- 6 Body to Bonnet ring type joint is designed to apply a uniform load to the gasket to assure a leak proof seal.
- (7) Integral seat rings to provide a bubble tight joint.
- (8) Stellite 6 overlay on wedge Seating Surfaces provide increased resistance to wear, abrasion and erosion.
- (9) Two-piece arrangement gland flange and stem packing bushing for self-alignment to avoid stem damage.
- (10) Gate and Globe valves supplied handwheel operated as standard.





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 600 (INTEGRAL YOKE)

DESIGN FEATURES:

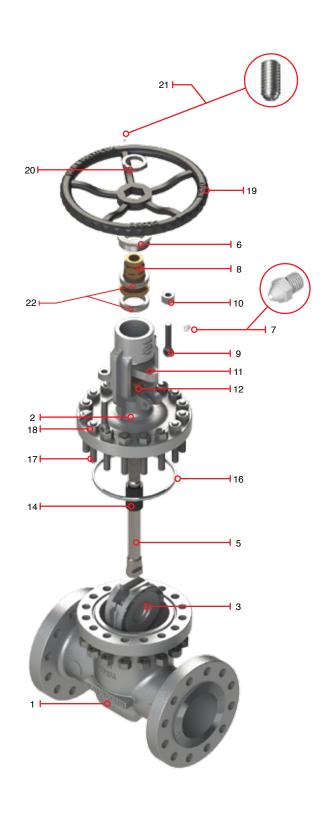
- Design in accordance with API-603
- Outside screw & yoke (OS&Y)
- Flexible wedge
- · Handwheel operated as standard
- · Integral yoke
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5232RF	S5232F	Flanged Raised Face
S5232RTJ	S5232RJ	Ring Type Joint
S5232WE	S5232WE	Buttweld

No.	Description	Standard Material CF8M Trim 3HF		
1	Body	ASTM A 351 GR CF8M		
2	Bonnet	ASTM A 351 GR CF8M		
3	Disc	ASTM A 351 GR CF8M + ST 6		
*4	Seat Ring	Integral Seat Ring		
5	Stem	ASTM A 276 Type 316		
6	Stem Nut Retainer	ASTM A182 F304		
7	Grease Fitting	Commercial Steel		
8	Stem Nut	ASTM B 148 UNS C95600		
9	Eyebolt / Gland Flange Studs	A193 B8		
10	Eyebolt Nut	ASTM A 194 Gr 8		
11	Gland Flange	ASTM A182 F304		
12	Packing Bushing	ASTM A182 F316		
*13	Eyebolt Pin	Alloy Steel		
14	Stem Packing	Flexible graphite intermediate rings / Anti-extrusion rings on the top and bottom sides of the packing chamber		
**15	Bonnet Gasket	Graphite / Stainless 316		
16	Ring Type Joint Gasket	ASTM A 182 F316		
17	Bonnet Stud	ASTM A 193 GR B8		
18	Bonnet Stud Nut	ASTM A 194 GR 8		
19	Handwheel	Commercial		
20	Handwheel Nut	ASTM A 108 GR 1020		
21	Oppressor	Alloy Steel		
22	Stem Nut Bearing	Commercial Steel		
*23	Identification Plate	Stainless Steel		
*Not Shown				



^{**}Gasket used for smaller size valves





API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 600 (INTEGRAL YOKE)

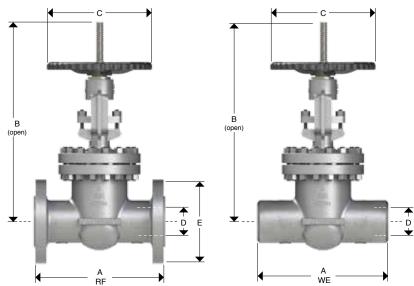


DESIGN FEATURES:

- Design in accordance with API-603Outside screw & yoke (OS&Y)Flexible wedge

- Handwheel operated as standard
 Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5232RF	S5232F	Flanged Raised Face
S5232RTJ	S5232RJ	Ring Type Joint
5232WE	5232WE	Buttweld



D Nominal	mm	50	65	80	100	150	200
Diameter	in	2	2 1/2	3	4	6	8
Α	mm	292	330	356	432	559	660
(RF and WE)	in	11.5	13	14	17	22	26
В	mm	447.5	495	543	681	854	893
В	in	17.6	19.5	21.4	26.8	33.6	35.2
С	mm	200	250	300	300	450	600
C	in	7.9	9.8	11.8	11.8	17.7	23.6
E	mm	165	191	210	273	356	419
	in	6.5	7.5	8 1/4	10.75	14	16.5
Weight	Kg	24	36	53	93	190	338
5232RF/RTJ	lb	52.9	79.4	116.9	205.1	419.0	745.3
Weight	Kg	22	24	39.5	78	161	293
5232WE	lb	48.5	52.9	87.1	172.0	355.0	646.1



API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 600 (INDEPENDENT YOKE)

DESIGN FEATURES:

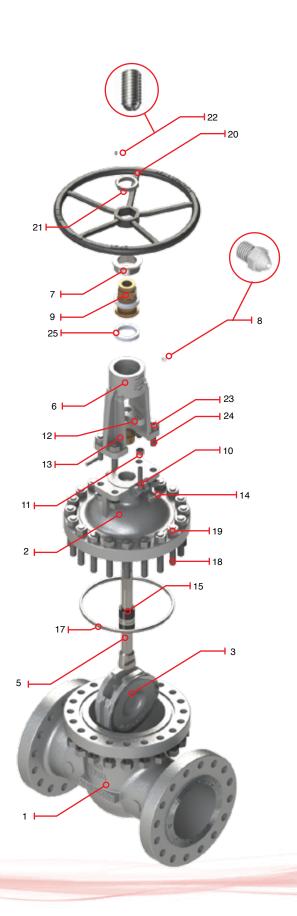
- Design in accordance with API-603
- Outside screw & yoke (OS&Y)
- · Flexible wedge
- Handwheel operated as standard
- · Independent yoke
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
S5232RF	S5232F	Flanged Raised Face
S5232RTJ	S5232RJ	Ring Type Joint
S5232WE	S5232WE	Buttweld

No.	Description	Standard Material CF8M Trim 3HF
1	Body	ASTM A 351 GR CF8M
2	Bonnet	ASTM A 351 GR CF8M
3	Disc	ASTM A 351 GR CF8M + ST 6
*4	Seat Ring	Integral Seat Ring
5	Stem	ASTM A 276 Type 316
6	Yoke	ASTM A 351 GR CF8M
7	Stem Nut Retainer	ASTM A182 F304
8	Grease Fitting	Commercial Steel
9	Stem Nut	ASTM B 148 UNS C95600
10	Eyebolt / Gland Flange Studs	A193 B8M
11	Eyebolt Nut	ASTM A 194 Gr 8
12	Gland Flange	ASTM A182 F304
13	Packing Bushing	ASTM A182 F316
14	Eyebolt Pin	Alloy Steel
15	Stem Packing	Flexible graphite intermediate rings / Anti-extrusion rings on the top and bottom sides of the packing chamber
**16	Bonnet Gasket	Graphite / Stainless 316
17	Ring Type Joint Gasket	ASTM A 182 F316
18	Bonnet Stud	ASTM A 193 GR B8M
19	Bonnet Stud Nut	ASTM A 194 GR 8M
20	Handwheel	Commercial
21	Handwheel Nut	ASTM A 108 GR 1020
22	Oppressor	Alloy Steel
23	Yoke Bolt	ASTM A 193 GR B8M
24	Yoke Bolt Nut	ASTM A 194 GR 8M
25	Stem Nut Bearing	Commercial Steel
*26	Identification Plate	Stainless Steel
Not Sho	um	



^{**}Gasket used for smaller size valves

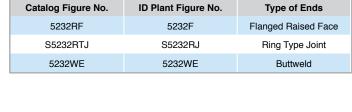




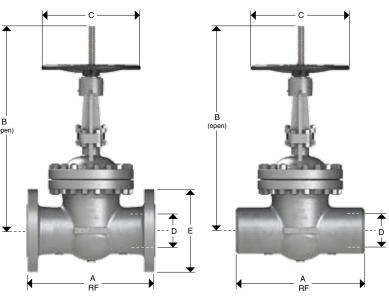
API-603 CAST STAINLESS STEEL & SPECIAL ALLOY GATE VALVES, CLASS 600 (INDEPENDENT YOKE)

DESIGN FEATURES:

- Design in accordance with API-603
- Outside screw & yoke (OS&Y)
- · Flexible wedge
- · Handwheel operated as standard
- Independent yoke
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25







D Nominal	mm	254	305
Diameter	in	10	12
Α	mm	787	838
(RF and WE)	in	31	33
В	mm	1295	1497
В	in	51.0	58.9
С	mm	600	680
C	in	23.6	26.8
E	mm	508	559
	in	20	22
Weight	Kg	556	750
5232RF	lb	1226.0	1653.8
Weight	Kg	480	638
5232WE	lb	1058.4	1406.8