

Class 300

Cast Carbon Steel Gate Valve

Bolted bonnet, Outside screw-and-yoke, Rising stem, Non-rising handwheel,
Solid wedge (1½" to 4") or flexible wedge (5" & larger).



300SCL

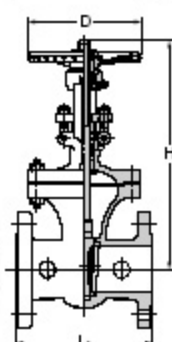
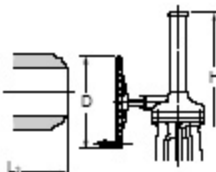


Fig	End Connections
300 SCL	RF-flanged with smooth finish on gasket surface.
W300 SCL	Butt-welding ends.
300 SCLS	(6 or 25" and larger)



Buttwelding End

Gear Operation
Optional
for 12" to 24"
Standard
for 26" & larger

Standard materials of parts

Parts	Materials
Body	ASTM A216 Gr.WCB
Bonnet	ASTM A216 Gr.WCB
Stem	ASTM A182 Gr.F6a
Disc	ASTM A182 Gr.F6a (1½" - 4") ASTM A216 Gr.WCB + 19Cr (5" & larger)
Body seat ring	ASTM A182 Gr.F6a (24" & smaller) ASTM A105 + 19Cr (26" & larger)
Gland	ASTM A182 Gr.F6a
Gland packing	See Page 7.
Gland flange	ASTM A105
Handwheel	Ductile iron
Gasket	See Page 7.
Bonnet bolt / nut	ASTM A193 Gr.B7/A194 Gr.2H
Gland bolt / nut	ASTM A578 Gr.1045/A194 Gr.2H
Bonnet bush	ASTM A182 Gr.F6a
Yoke sleeve	ASTM A439 Tp.D2
Grease nipple	Carbon steel
Collar	ASTM A182 Gr.F6a

Note: Refer to Page 2 & 3 for standard seat material and construction.

Dimensions

Valve Size	in	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L ₁	in	7.50	8.50	9.50	11.14	12.00	15.00	15.98	16.50	18.00	19.78	30.00	33.00	36.00	39.00	43.00	45.00	49.00	53.00	55.00	60.00	64.00	68.00
	mm	190	216	241	283	305	381	403	419	457	502	762	838	914	991	1092	1143	1245	1346	1397	1524	1626	1727
L ₂	in	7.50	8.50	9.50	11.14	12.00	15.00	15.98	16.50	18.00	19.78	30.00	33.00	36.00	39.00	43.00	45.00	49.00	53.00	55.00	60.00	64.00	68.00
	mm	190	216	241	283	305	381	403	419	457	502	762	838	914	991	1092	1143	1245	1346	1397	1524	1626	1727
H	in	14.7	16.2	17.9	20.8	24.1	27.2	31.1	36.9	47.8	56.8	81.5	88.1	76.0	84.1	93.1	100	116.9	122.0	131.9	137.8	144.9	152.0
	mm	374	411	454	528	613	692	790	1013	1215	1437	1561	1729	1931	2137	2364	2540	2970	3100	3350	3500	3660	3860
D	in	7.9	7.9	7.9	9.8	9.8	11.8	13.8	15.7	17.7	19.7	23.6	23.6	26.8	29.9	29.9	35.8	23.6	23.6	23.6	23.6	23.6	23.6
	mm	200	200	200	250	250	300	350	400	450	500	600	600	680	760	760	910	600	600	600	600	600	600