

Cast Carbon Steel Gate Valve

Bolted bonnet, Outside screw-and-yoke, Rising stem, Non-rising handwheel, Flexible wedge.

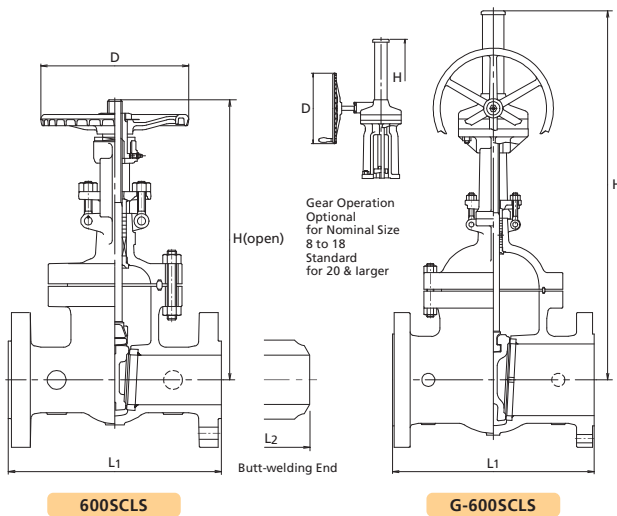


Fig	End Connections
600SCLS	RF-flanged ends.
W600SCLS	Butt-welding ends.

Standard materials of parts

Parts	Materials
Body	ASTM A216 Gr.WCB
Bonnet	ASTM A216 Gr.WCB
Stem	ASTM A182 Gr.F6a
Disc	13Cr/Carbon Steel+13Cr
Body seat ring	Carbon Steel+HF*
Gland	ASTM A182 Gr.F6a
Gland packing	Flexible Graphite
Gland flange	ASTM A105/A216 Gr. WCB
Handwheel	Ductile iron
Gasket	See Page 6
Bonnet bolt/nut	ASTM A193 Gr.B7/A194 Gr.2H
Gland bolt/nut	ASTM A576 Gr.1045/A194 Gr.2H
Bonnet bushing	ASTM A182 Gr.F6a
Yoke sleeve	ASTM A439 Tp.D2
Grease nipple	Carbon steel

*Hard facing with Co-Cr-W Alloy.
 Note: Refer to Page 5&6 for standard seat material and construction.

Dimensions

Nominal Size		2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	22	24
		50	65	80	100	125	150	200	250	300	350	400	450	500	550	600
L ₁	in	11.50	13.00	14.00	17.00	20.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	51.00	55.00
	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1295	1397
L ₂	in	11.50	13.00	14.00	17.00	20.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	51.00	55.00
	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1295	1397
H	in	17.6	19.6	21.4	26.2	30.3	35.1	41.9	49.5	57.6	62.7	70.0	81.5	88.8	98.4	107.5
	mm	447	499	544	666	770	892	1094	1257	1464	1593	1779	2071	2256	2500	2730
D	in	7.9	9.8	9.8	11.8	15.7	17.7	19.7	23.6	26.8	29.9	29.9	35.8	23.6	23.6	24.0
	mm	200	250	250	300	400	450	500	600	680	760	760	910	600	600	610