



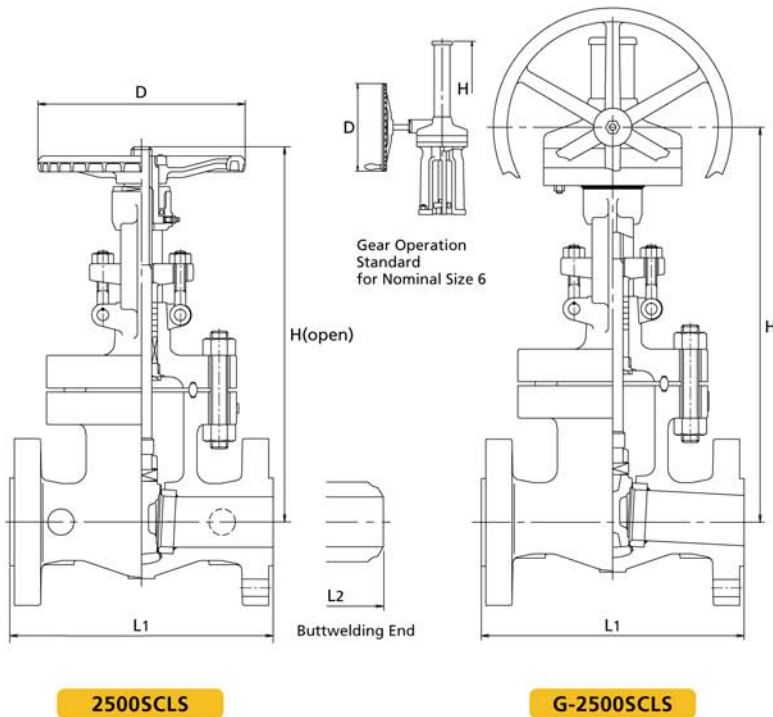
KITZ Corporation Of America  
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Cast Carbon Steel Gate Valve  
Design - API 600, OS&Y, BB, Flex Wedge, RFF per B16.5, BW per B16.25,  
LEV - 100 PPM max., Body Materials - ASTM A216, A217, A352

# Class 2500

# Cast Carbon Steel Gate Valve

Bolted bonnet, Outside screw-and-yoke, Rising stem, Non-rising handwheel,  
Solid wedge (Nominal Size 2 to 4) or Flexible wedge (Size 6 & larger).



2500SCLS

G-2500SCLS

Fig	End Connections
2500SCLS	RF-flanged ends.
W2500SCLS	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 3&6 for standard seat material and construction.

### Dimensions

Nominal Size	2		2½		3		4		6	
	50		65		80		100		150	
L1	in	17.75	20.00	22.75	26.50	36.00				
	mm	451	508	578	673	914				
L2	in	17.75	20.00	22.75	26.50	36.00				
	mm	451	508	578	673	914				
H	in	24.9	29.0	30.0	34.8	48.9				
	mm	633	737	762	885	1243				
D	in	9.8	11.8	13.8	15.7	19.7				
	mm	250	300	350	400	500				