

Class 150

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).



150 SCL

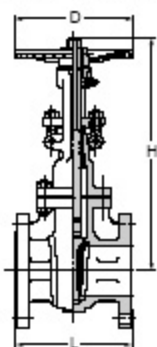
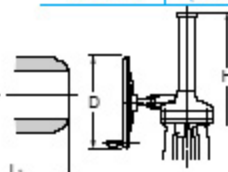


Fig	End Connections
150 SCL	RF-flanged with smooth finish on gasket surface.
W150 SCL	Butt-welding ends.
150 SCLS	(6 or 26" and larger)



Buttwelding End

Gear Operation
Optional
for 14" 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 + 13Cr (5" & larger)
Body seat ring	ASTM A182 Gr.F6a (24" & smaller) ASTM A105 + 13Cr (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 A548 Gr.1045/A194 Gr.2H
Bonnet bush	ASTM A182 Gr.F6a
Yoke sleeve	ASTM A439 Tp.D2
Grease nipple	Carbon steel

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	6.50	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	22.00	24.00	24.00	26.00	28.00	28.00
	mm	165	178	190	203	229	254	267	292	330	358	381	406	432	457	483	508	559	610	610	660	711	711
L ₂	in	-	8.50	9.50	11.14	12.00	15.00	15.88	16.50	18.00	19.78	22.50	24.00	26.00	28.00	30.00	32.00	34.00	36.00	36.00	38.00	40.00	40.00
	mm	-	216	241	283	305	381	403	419	457	502	572	610	660	711	762	813	864	914	914	965	1016	1016
H	in	13.8	15.1	16.9	20.0	23.1	26.9	29.8	37.7	45.7	53.8	60.0	66.7	74.3	83.5	91.8	98.1	111.0	116.7	126.4	133.9	140.2	146.7
	mm	351	383	430	507	587	688	757	958	1162	1381	1523	1693	1887	2120	2326	2492	2820	2966	3210	3400	3580	3700
D	in	7.1	7.9	7.9	9.8	9.8	11.8	11.8	13.8	15.7	17.7	19.7	23.6	23.6	26.8	26.8	29.9	18.1	23.6	23.6	23.6	23.6	23.6
	mm	180	200	200	250	250	300	300	350	400	450	500	600	600	680	680	760	500	600	600	600	600	600