



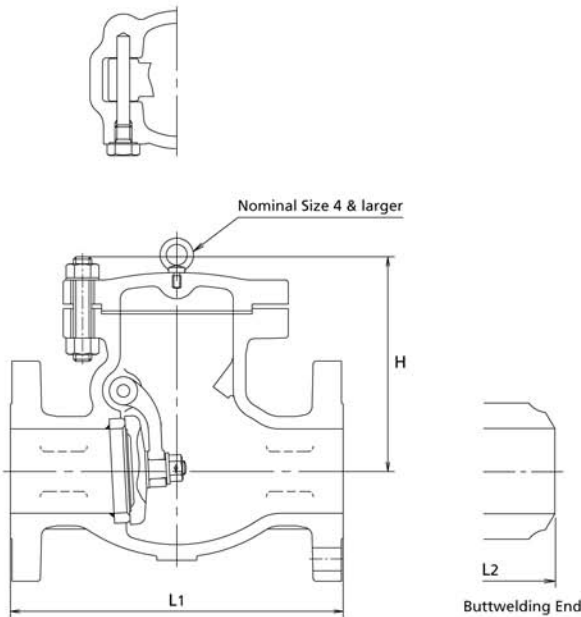
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Cast Carbon Steel Check Valve  
Swing Type, Design - API 594, Wall Thickness - API 600, Bolted Cap,  
RFF per B16.5, BW per B16.25, LEV - 100 PPM max.,  
Body Materials - ASTM A216, A217, A352

# Class 300

# Cast Carbon Steel Check Valve

Bolted cover, Swing type disc.



**300SCOS**

Fig	End Connections
300SCOS	RF-flanged ends.
W300SCOS	Butt-welding ends.

### Standard materials of parts

Parts	Materials
Body	ASTM A216 Gr.WCB
Cover	ASTM A105/A216 Gr. WCB
Disc	13Cr/Carbon Steel+13Cr
Disc nut	ASTM A194 Gr.8
Body seat ring	Carbon Steel+HF*
Cover bolt/nut	ASTM A193 Gr.B7/A194 Gr.2H
Arm	ASTM A105 (1 1/2 - 12) ASTM A216 Gr.WCB (14 and larger)
Gasket	See Page 6
Plug	ASTM A576 Gr.1045

\*Hard facing with Co-Cr-W Alloy.  
Note: Refer to Page 3&6 for standard seat material and construction.

### Dimensions

Nominal Size		1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30
		40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750
L1	in	9.50	10.50	11.50	12.50	14.00	15.75	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00	59.00	62.75
	mm	241	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1499	1594
L2	in	—	10.50	11.50	12.50	14.00	15.75	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00	59.00	62.75
	mm	—	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1499	1594
H	in	5.5	6.5	7.5	8.1	8.9	9.8	10.7	13.0	14.2	16.0	18.9	21.1	22.6	24.8	31.7	36.6	38.4
	mm	140	165	190	205	225	250	272	330	360	406	480	535	575	630	805	930	975