

**FLANGES: DIMENSIONAL TOLERANCES**

<b>DIMENSIONAL TOLERANCES for FLANGES<sup>1</sup></b>		
	Nominal Pipe Size	Tolerance
Outside Diameter <sup>2</sup>	1/2" - 24"	±0.06
Hub Diameter <sup>3</sup>	1/2" - 5"	+0.09 / - 0.03
	6" - 24"	+0.16 / - 0.03
Overall Length <sup>3</sup>	1/2" - 4"	± 0.06
	5" - 10"	+0.06/-0.12
	12" - 24"	+0.12/-0.18
	20" - 24"	+0.19 / -0
Raised Face Diameter	1/2" - 24"	±0.03
Bolt Circle Diameter	1/2" - 24"	±0.06
Center to Center of Adjacent Bolt Holes	1/2" - 24"	±0.03
Eccentricity between Bolt Circle Diameter and Machined Facing Diameter	1/2" - 2 1/2"	±0.03
	3" - 24"	±0.06
Wall Thickness: Weldneck	1/2" - 24"	Not Less Than 87 1/2% of the Nominal Thickness Specified
Inside Diameter: Weldneck and Bore of Socket Weld	1/2" - 10"	±0.03
	12" - 18"	±0.06
	20" - 24"	+0.12 / - 0.06
Inside Diameter: Slip on, Lap Joint, Counter Bore of Socket Weld, Counter Bore of Class 300 Threaded	1/2" - 10"	+0.03 / -0
	12" - 24"	+0.06 / -0

ALL DIMENSIONS ARE IN INCHES

<sup>1</sup> - IN ACCORDANCE WITH ASME/ANSI B16.5

<sup>2</sup> - NO TOLERANCE IS SPECIFIED IN B16.5

<sup>3</sup> - NO TOLERANCE FOR SLIP ON, SOCKET WELD, THREADED AND LAP JOINT IS SPECIFIED IN B16.5