

Dunlap Stainless, Inc.

2905 Ramsey Road
Gainesville, GA 30507



Flanges: Dimensional Tolerances

DIMENSIONAL TOLERANCES for FLANGES ¹		
	Nominal Pipe Size	Tolerance
Outside Diameter ²	1/2" - 24"	±0.06
Hub Diameter ³	1/2" - 5"	+0.09 / - 0.03
	6" - 24"	+0.16 / - 0.03
Overall Length ³	1/2" - 10"	± 0.06
	12" - 24"	±0.12
Flange Thickness: Raised Face	1/2" - 10"	+0.12 / - 0
	20" - 24"	+0.19 / - 0
Flange Thickness: Flat Face	1/2" - 18"	+0.12 / - 0.06
	20" - 24"	+0.19 / - 0.06
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

¹ - IN ACCORDANCE WITH ASME/ANSI B16.5

² - NO TOLERANCE IS SPECIFIED IN B16.5

³ - NO TOLERANCE FOR SLIP ON, SOCKET WELD, THREADED OR LAP JOINT IS SPECIFIED IN B16.5