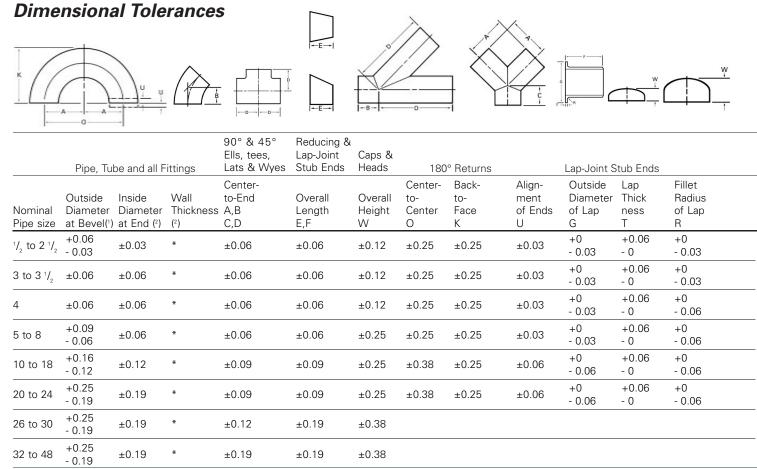


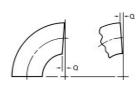
Standard Tolerances



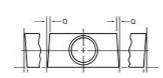
^{*}Not less than 87.5% of nominal thickness

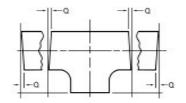
Note: For "as welded" pipe and fittings, outside diameter tolerances given are applicable to circumferential measure.

Angularity Tolerances









Nominal			
Pipe Size	Off Angle (Q)	Off Plane (P)	
¹ / ₂ to 4	± 0.03	± 0.06	
5 to 8	± 0.06	± 0.12	
10 to 12	± 0.09	± 0.19	
14 to 16	± 0.09	± 0.25	
18 to 24	± 0.12	± 0.38	
26 to 30	± 0.19	± 0.38	
32 to 42	± 0.19	± 0.50	
44 to 48	± 0.19	± 0.75	

Dimensions are in inches.

⁽¹⁾Out-of-round is the sum of absolute values of plus and minus tolerance.

⁽²⁾ The inside diameter at ends and the nominal wall thicknesses are to be specified by the purchaser.