

**Tolerances acc. ASTM A1016 - Valid for pipes ASTM A269 and A213 (welded and seamless pipes)**

OD	Tol. OD	Tol. Wall thickness	Tol. Ovalty	Tol.
mm	mm	%	mm	Exact lengths mm
up and until 12.7	± 0.13	± 15%	-	+3.18 / -0
> 12.7 till 38.1	± 0.13	± 10%	max. 1.65	+3.18 / -0
> 38.1 till 88.9	± 0.25	± 10%	max. 2.41	+4.76 / -0
> 88.9 till 139.7	± 0.38	± 10%	max. 3.81	+4.76 / -0
> 139.7 till 203.2	± 0.76	± 10%	-	+4.76 / -0

**Tolerances acc. ASTM A999 - Valid for pipes ASTM A312 (welded and seamless pipes)**

OD mm	Tol. OD mm
mm	mm
10.29 up and until 48.26	+0.40 / -0.79
> 48.26 up and until 114.30	+0.79 / -0.79
> 114.30 up and until 219.08	+1.59 / -0.79
> 219.08 up and until 457.20	+2.38 / -0.79
> 457.20 up and until 609.60	+3.18 / -0.79

Tolerance wall thickness -12.5% + Tolerance by weight  
For seamless and welded pipes a weight tolerance applies according ASTM A999

**Tolerances acc. EN ISO 1127 (welded and seamless pipes)**

Outside diameter		Wall thickness	
Tol.	Tol. OD	Tol.	Tol. Wall thickness
KI / CI		Class	
D1	± 1.5% / or 0.75mm	T1	± 15% / or 0.6mm
D2	± 1% / or 0.5mm	T2	± 12.5% / or 0.4mm
D3	± 0.75% / or 0.3mm	T3	± 10% / or 0.2mm
D4	± 0.5% / or 0.1mm	T4	± 7.5% / or 0.15mm
		T5	± 5% / or 0.1mm

1) The highest value applies  
The tolerances on the outside diameter include ovality