

Tolerances

Standard	Outside Diameter	Wall Thickness	Weight
ASTM A 106 NF A 49-211	OD≤48.3; ±0,40 mm 48.3<OD≤114.3; ±0.8 mm 114.3<OD≤219.1; +1.6/-0.8 mm	+12.5%	+10/-3.5% for any length of pipe
EN 10216-2 hot rolled	±1.0% or ±0.5 mm (which is higher)	±12.5% or ±0.4mm (which is higher)	
DIN 17175 hot rolled	OD≤100 ± 0.75% (minimum±0.5mm) 100<OD≤320 ±0.9%	OD ≤130; WT≤ 2Sn; +15/-10% OD ≤130; 2Sn<WT≤4Sn; +12.5/-10% OD ≤130; WT>4Sn; ±9% 130<OD≤320; WT ≤0.05OD; +17.5/-12.5% 130<OD≤320; 0.05OD<WT≤0.11OD; ±12.5% 130<OD≤320; WT>0.11OD; ±10% Sn - Nominal wall thickness according to DIN 2448	+10/-8% for each tube ±7.5% for a lots over 10t
ASTM A210 hot rolled	OD≤101.6 +0.4/-0.8mm 101.6<OD≤190.5 +0.4/-1.2mm 190.50<OD≤228.6 +0.4/-1.6mm	OD≤101.6 and WT≤2.4; +40%/0 OD≤101.6 and 2.4<WT≤3.8; +35%/0 OD≤101.6 and 3.8 <WT≤4.6; +33%/0 OD≤101.6 and WT>4.6; +28%/0 OD>101.6 and 2.4<WT≤3.8; +35%/0 OD>101.6 and 3.8 <WT≤4.6; +33%/0 OD>101.6 and WT>4.6; +28%/0	+16%/0
DIN 17175 cold rolled	OD≤120 ± 0.6%(minimum±0.25mm) OD>120 ±0.75%	OD ≤130; WT≤ 2Sn; +15/-10% OD ≤130; 2Sn<WT≤4Sn; +12.5/-10% OD ≤130; WT>4Sn; ±9% 130<OD≤320; WT ≤0.05OD; +17.5/-12.5% 130<OD≤320; 0.05OD<WT≤0.11OD; ±12.5% 130<OD≤320; WT>0.11OD; ±10% Sn - Nominal wall thickness according to DIN 2448	+10/-8% for each tube ±7.5% for a lots over 10t
EN 10216-2 cold rolled	±0.5% or ±0.3mm (which is higher)	±10% or ±0.2 mm (which is higher)	
ASTM A179 and ASTM A210 cold rolled	OD<25.4 ±0.10 25.4<=OD<=38.1 ±0.15 38.1<OD<50.8 ±0.20 50.8>=OD<63.5 ±0.25 63.5>=OD<76.2 ±0.30	OD≤38.1; +20% OD>38.1; +22%	OD≤38.1; +12% OD>38; +13%