

Seamless pipes DIN EN 10216-4 (DIN 17173)

Non-alloy and alloy steel tubes with specified low temperature properties

Area of applications	Apparatus, pressure vessel, refrigeration system and pipeline construction with a focus on the chemical industry
Order text example	Pipe, seamless, DIN EN 10220/10216-4, P265NL TC1/1.0453, inspection certificate acc. to APZ DIN EN 10204/3.1 114.3 × 3.6 mm

Materials

Material number	Designation acc. to EN	comparable to ASTM
1.0541	P215NL	A/SA333 Grade 1
1.0452	P255QL	
1.0453	P265NL	A/SA333 Grade 6
1.7219	26CrMo4-2 ^a	
1.6212	11MnNi5-3 ^a	
1.6217	13MnNi6-3 ^a	
1.5637	12Ni14 ^a	A/SA333 Grade 3
1.5680	X12Ni5 ^a	
1.5682	X10Ni9 ^a	A/SA333 Grade 8

^a alloyed steels generally with US testing (TC2).

Rules and standards	AD 2000-Merkblatt W4 and W10
Scope of testing	TC1 Test category 1 (without US testing) TC2 Test category 2 (with US testing for longitudinal errors)
Delivery lengths	5 to 7 m or double random lengths
Range of sizes	10.2 to 711.0 mm
Wall thicknesses	1.6 to 40.0 mm
Dimensions and weights	According to DIN EN 10220

Tolerances on outside diameter and wall thickness

Outside diameter D	Tolerance on outside diameter D	Tolerances on wall thickness T at a T/D ratio of			
		≤ 0.025	> 0.025 to 0.050	> 0.050 to 0.10	> 0.10
≤ 219.1 mm	± 1% or ± 0.5 mm, whichever is the greater	± 12.5 % or ± 0.4 mm, whichever is the greater			
> 219.1 mm		± 20 %	± 15 %	± 12.5 %	± 10 % ^b

^b For outside diameter D > 355.6 mm is upper limit of the local wall thickness may be exceeded by a further 5 % of the wall thickness T.

Inspection certificate	According to DIN EN 10204/3.1 or 3.2
Marking	Manufacturer's mark, EN standard, material grade, heat number, test category, mark of the inspection representative, identification number