

Seamless pipes DIN EN 10216-3 (DIN 17179)

Alloy fine grain tubes with specified room temperature properties

Area of applications	Pressure vessel, apparatus, pipelines, general mechanical engineering and tool building
Order text for example	Pipes, seamless, DIN EN 10220/10216-3, TC1, P355N/1.0562, inspection certificate acc. to DIN EN 10204/3.2 TÜV, requirements acc. to AD 2000-W4, VdTÜV WB 354/2 168.3 × 4.5 mm

Materials

	Material number	Designation acc. to EN	Designation acc. to DIN
Basic quality	1.0562	P355N	StE 355
	1.8905	P460N	StE 460
Elevated temperature quality	1.0565	P355NH	WStE 355
	1.8935	P460NH	WStE 460
Low temperature quality	1.0488	P275NL1	TStE 285
	1.0566	P355NL1	TStE 355
	1.8915	P460NL1	TStE 460

Rules and standards	DVGW, PED, AD 2000-Merkblatt W4 and W10 (only low temperature quality), VdTÜV-Werkstoffdatenblätter
Scope of tests	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 100.0 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% ^a

^a 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