Seamless pipes DIN EN 10216-2 (DIN 17175)

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

Area of applications	Boiler construction, pipeline and plant engineering, pressure vessels and apparatus engineering						
Order text for example	Pipe, seamless, DIN EN 10220/10216-2, P235GH TC1/1.0345, inspection certificate acc. to DIN EN 10204/3.1, requirements acc. to PED 97/23/EC, AD 2000-W4 114.3 × 3.6 mm						
Materials							
	Material number		Designation acc. to EN		Designation acc. to DIN		
	1.0345		P235GH		St 35.8		
	1.0425		P265GH		St 45.8		
	1.5415		16Mo3ª		15 Mo 3		
	1.7335		13CrMo4-5ª		13 CrMo 44		
	1.4903 X10CrMoVNb-9-1ª						
	^a alloyed steels generally with US testing (TC2).						
Parameters							
	Material grade		Operating temperature		Working pressure		
	P235GH TC1		450 °C		160 bar		
	P235GH TC2		450 °C		Unlimited		
	16Mo3		500 °C		Unlimited		
	13CrMo4-5		500 °C		Unlimited		
	X10CrMoVNb-9-1		000 °C		Unlimited		
Scope of tests	TC1 Test	ootogony 1 (wi	thout US tootin	<i>a)</i>			
Scope of lesis							
	TC2 Test	category 2 (wi	th US testing fo	or longitudinal e	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,	\pm 12.5 % or \pm 0.4 mm, whichever is the greater				
	> 219.1 mm	whichever is the greater	± 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	king Manufacturer's mark, EN standard, material grade, heat number, test category,						
	mark of the inspection representative, identification number						
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