

# Welded pipes DIN EN 10217-4 (DIN 17174)

Electric welded non-alloy steel tubes with specified low temperature properties

<b>Area of applications</b>	Pressure vessel and apparatus engineering, refrigeration system, pipeline construction with a focus on the chemical industry
<b>Order text example</b>	Pipe, high frequency welded with longitudinal seam (HFW), DIN EN 10220/10217-4, P265NL TC1/1.0453, inspection certificate acc. to DIN EN 10204/3.1 60.3 × 2.9 mm

## Materials

Material number	Designation acc. to EN
1.0451	P215NL1 (only for t < 10,0 mm)
1.0425	P265NL1

<b>Scope of testing</b>	<b>TC1</b> Test class 1 (without US testing) <b>TC2</b> Test class 2 (with US testing for longitudinal errors)
<b>Welding process</b>	Gas press welding, HF welding <sup>a</sup> <sup>a</sup> HF High frequency
<b>Delivery lengths</b>	6 m, 12 m, partly to 18 m
<b>Range of sizes</b>	10.2 to 508.0 mm
<b>Wall thicknesses</b>	1.4 to 16.0 mm
<b>Dimensions and weights</b>	According to DIN EN 10220

## Tolerances of outside diameter and wall thickness

Outside diameter D	Tolerances on		
	Outside diameter D	Wall thickness T <sup>b</sup>	
		≤ 5	5 < T ≤ 16
≤ 219.1 mm	± 1.0% or ± 0.5 mm, whichever is the greater	± 10% or ± 0.3 mm, whichever is the greater	± 8%
> 219.1 mm	± 0.75%		

<sup>b</sup> The upper tolerance does not apply for the weld seam area (see DIN EN 10217-4/section 8.7.4.2).

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