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

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

Area of applications   Pressure vessel and apparatus engineering, refrigeration system, pipeline construc- tion with a focus on the chemical industry     Order text example   Pipe, high frequency welded with longitudial 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   P265NL TC1/1.0453, inspection certificate acc. to DIN EN 10204/3.1 60.3 × 2.9 mm     Scope of testing   TC1   Test class 1 (without US testing) TC2   Test class 2 (with US testing for longitudial errors)     Welding process   Gas press welding, HF welding <sup>3</sup> "HF High frequency   Test class 1 (without US testing for longitudial errors)     Wall thicknesses   1.0.2 to 508.0 mm   Test class 1 (without US testing for longitudial errors)     Dimensions and weights   According to DIN EN 10220   Telerances on Outside diameter D   Telerances on \$ 5 \$ \$ 5 < T \$ 10						
P265NL TC1/1.0453, inspection certificate acc. to DIN EN 10204/3.1     Material number   Designation acc. to EN     1.0431   P215NL1 (only for t < 10,0 mm)	Area of applications	Pressure vessel and apparatus engineering, refrigeration system, pipeline construc- tion with a focus on the chemical industry				
Material number   Designation acc. to EN     1.0451   P215NL1 (only for t < 10.0 mm)	Order text example	P265NL TC1/1.0453, inspection certificate acc. to DIN EN 10204/3.1				
1.0451   P215NL1 (only for t < 10,0 mm)	Materials					
1.0425   P265NL1     Scope of testing   TC1   Test class 1 (without US testing)     TC2   Test class 2 (with US testing for longitudial errors)     Welding process   Gas press welding, HF welding* * HF High frequency     Delivery lengths   6 m, 12 m, partly to 18 m     Range of sizes   1.4 to 16.0 mm     Vall thicknesses   1.4 to 16.0 mm     Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter and wall thickness		Material number Designation acc. to EN				
Scope of testing   TC1   Test class 1 (without US testing)     TC2   Test class 2 (with US testing for longitudial errors)     Welding process   Gas press welding, HF welding* * HF High frequency     Delivery lengths   6 m, 12 m, partly to 18 m     Range of sizes   10.2 to 508.0 mm     Wall thicknesses   1.4 to 16.0 mm     Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter and wall thickness						
TC2   Test class 2 (with US testing for longitudial errors)     Welding process   Gas press welding, HF welding* * HF High frequency     Delivery lengths   6 m, 12 m, partly to 18 m     Range of sizes   10.2 to 508.0 mm     Wall thicknesses   1.4 to 16.0 mm     Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter and wall thickness      Outside diameter D      Outside diameter D      \$218.1 mm   ± 1.0% or ± 0.5 mm, whichever is the greater   ± 10% or ± 0.3 mm, whichever is the greater   ± 10% or ± 0.3 mm, whichever is the greater   ± 8%     > 218.1 mm   ± 0.75 %           ± 8%     ± 8%            ± 8%            # 8%             # 8%            # 8%		1.0425	P265NL1			
• HF High frequency     Delivery lengths   6 m, 12 m, partly to 18 m     Range of sizes   10.2 to 508.0 mm     Wall thicknesses   1.4 to 16.0 mm     Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter D   Outside diameter D     Outside diameter D   Wall thickness T*     Outside diameter D   Vall thickness T*     Second provide the greater   # 1.0% or ± 0.5 mm, whichever is the greater     * 219.1 mm   ± 1.0% or ± 0.5 mm, whichever is the greater   ± 10 % or ± 0.3 mm, whichever is the greater     * The upper tolerance does not apply for the weld seam area (see DIN EN 10217-4/secton 8.7.4.2).   # 8%     Inspection certificate   According to DIN EN 10204/3.1 or 3.2     Marking   Manufacturer's mark, EN standard, material grade, heat number, test class, mark of	Scope of testing					
Range of sizes   10.2 to 508.0 mm     Wall thicknesses   1.4 to 16.0 mm     Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter and wall thickness   Image: Contract of the second s	Welding process					
Wall thicknesses1.4 to 16.0 mmDimensions and weightsAccording to DIN EN 10220Tolerances of outside diameter and wall thicknessImage: Contract of the contra	Delivery lengths	6 m, 12 m, partly to 18 m				
Dimensions and weights   According to DIN EN 10220     Tolerances of outside diameter and wall thickness   Tolerances on     Outside diameter D   Outside diameter D   Wall thickness T <sup>b</sup> Outside diameter D   Outside diameter D   S 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 %   whichever is the greater   ± 8 %     > 219.1 mm   ± 0.75 %   Wall EN 10217-4/section 8.7.4.2).     Inspection certificate   According to DIN EN 10204/3.1 or 3.2   Manufacturer's mark, EN standard, material grade, heat number, test class, mark of	Range of sizes	10.2 to 508.0 mm				
Tolerances of outside diameter and wall thickness   Tolerances on     Outside diameter D   Tolerances on     Outside diameter D   \$1.0 % or ± 0.5 mm,     \$219.1 mm   \$1.0 % or ± 0.10 mm,     \$1.0 % or ± 0.10 mm,   \$1.0 % or ± 0	Wall thicknesses	1.4 to 16.0 mm				
diameter and wall thicknesss   Dutside diameter D   Tolerances on     Outside diameter D   45   5 < T ≤ 16	Dimensions and weights	According to DIN EN 10220				
Outside diameter DWall thickness T bOutside diameter D $Uutside diameter DUutside di$						
Outside diameter DOutside diameter D $\leq 5$ $5 < T \le 16$ $\leq 219.1 \text{ mm}$ $\pm 1.0\% \text{ or } \pm 0.5 \text{ mm},$ whichever is the greater $\geq 219.1 \text{ mm}$ $\pm 10\% \text{ or } \pm 0.3 \text{ mm},$ whichever is the greater 	diameter and wall thickness	Outside diameter D				
$\leq 219.1 \text{ mm}$ $\pm 1.0\% \text{ or } \pm 0.5 \text{ mm},$ whichever is the greater $\pm 10\% \text{ or } \pm 0.3 \text{ mm},$ whichever is the greater $\pm 10\% \text{ or } \pm 0.3 \text{ mm},$ $\pm 10\% \text{ or } \pm 0.3 \text{ mm},$ whichever is the greater $\pm 8\%$ $^{b}$ The upper tolerance does not apply for the weld seam area (see DIN EN 10217-4/section 8.7.4.2).According to DIN EN 10204/3.1 or 3.2MarkingManufacturer's mark, EN standard, material grade, heat number, test class, mark of			Outside diameter D	Wall thick	kness T⁵	
Second			Outside diameter D	≤ 5	5 < T ≤ 16	
> 219.1 mm   ± 0.75 %   whichever is the greater     b The upper tolerance does not apply for the weld seam area (see DIN EN 10217-4/section 8.7.4.2).     Inspection certificate   According to DIN EN 10204/3.1 or 3.2     Marking   Manufacturer's mark, EN standard, material grade, heat number, test class, mark of		≤ 219.1 mm			+ 8%	
Inspection certificateAccording to DIN EN 10204/3.1 or 3.2MarkingManufacturer's mark, EN standard, material grade, heat number, test class, mark of		> 219.1 mm	± 0.75 %	whichever is the greater		
Marking Manufacturer's mark, EN standard, material grade, heat number, test class, mark of		<sup>b</sup> The upper tolerance does not apply for the weld seam area (see DIN EN 10217-4/section 8.7.4.2).				
	Inspection certificate	According to DIN EN 10204/3.1 or 3.2				
	Marking					