

# Pipes, square and rectangular hollow sections

## Seamless tubes

tech. delivery conditions	application	steel grade	W. Nr.	steel grade acc. to CSN	dimensions acc. to EN 10220 (DIN 2448)	
					O. D. (mm)	W. T. (mm)
DIN 1629	plain carbon steel tubes for special applications	St 37.0	1.0254	11 373	10,2–660	1,6–100
		St 52.0	1.0421	11 523		
EN 10 216-1	plain carbon steel tubes for pressure vessels and equipment	P235TR1	1.0254	–	10,2–711	1,6–100
		P235TR2	1.0255	–		
EN 10 216-3	alloy fine-grained steel tubes for pressure vessels and equipment	P355N	1.0562	–	10,2–711	1,6–100
EN 10 297-1	plain carbon steel and alloy steel tubes for engineering and general technical application	E355	1.0580	11 523	10,2–660	1,6–100
EN 10 210-1	plain carbon steel and alloy steel tubes for engineering and general technical application	S355J2H	1.0576	11 523	dimensions acc. to EN 10210-2	
					21,3–660	2,3–100

Comparison with CSN is only approximate.

Tubes with multiple certifications can be delivered upon agreement, i.e. delivered tube complies with two or more technical delivery conditions standards.  
 Example: EN 10216-1 and DIN 1629 for tubes from steel St 37 and P235TR2; EN 10210, EN 10297 and EN 10216-3 for tubes from steel S355J2H, E355 and P355N.

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## Boiler tubes

tech. delivery conditions	application	steel grade	W. Nr.	steel grade acc. to CSN	dimensions acc. to EN 10220 (DIN 2448)		
					O. D. (mm)	W. T. (mm)	
DIN 17 175	creep-resisting steel tubes	St35.8/I	1.0305	12 021	13,5–610	1,8–60	
		St35.8/III					
		15Mo3	1.5415	15 020		10,2–676	1,8–60
		13CrMo4 4	1.7335	15 121		10,2–640	1,5–70
		10CrMo9-10	1.7380	15 313		10,2–622	1,5–70
	X20CrMo9-10	1.4922	17 134	25,0–870	2,9–60		
EN 10 297-1 EN 10 210-1	plain carbon steel and alloy steel tubes for pressure vessels and equipment with guaranteed properties at increased temperatures	P235GH	1.0345	12 021	10,2–711	1,6–100	
		16Mo3	1.5415	15 020			
		13CrMo4-5	1.7335	15 121			
		10CrMo9-10	1.7380	15 313			
		X20CrMoV11-1	1.4922	17 134			

## Hollow sections, square or rectangular

tech. delivery conditions	manufacturing method	steel grade	W. Nr.	steel grade acc. to CSN	rozměry	
					shape	max. dimensions
EN 10 210-1	hot formed hollow sections	S235JRH	1.0039	11 375	square and rectangular	400 x 400 x 16 500 x 300 x 16
		S275JOH	1.0149			
		S355JOH	1.0547	11 523		
		S355J2H	1.0576			
EN 10 219-1	cold formed and welded hollow sections	S235JRH	1.0039	11 375	square and rectangular	400 x 400 x 16 500 x 300 x 16
		S275JOH	1.0149	11 523		
		S355JOH	1.0547			
		S355J2H	1.0576			