



Seamless Circular Tubes of Non Alloys Steels with Special Quality Requirements – DIN1629

Seamless steel tubes for pressure purposes

Part 1: Non-alloy steel tubes with specified room temperature properties - EN10216-1

Application: in tool-making, for constructing reservoirs and pipelines, as well as in general tooling and machine-building.

DIN1629:

Mechanical Properties				
Grade	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)	
			L	T
ST37.0	≥ 235	350-480	25	23
ST44.0	≥ 275	420-550	21	19
ST52.0	≥ 355	500-650	21	19

Chemical Compositions(%)					
Grade	C	Si	Mn	P	S
ST37.0	≤ 0.17	/	/	≤ 0.040	≤ 0.040
ST44.0	≤ 0.21	/	/	≤ 0.040	≤ 0.040
ST52.0	≤ 0.22	≤ 0.55	≤ 1.70	≤ 0.040	≤ 0.035

EN10216-1:

Mechanical Properties				
Grade	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)	
			L	T
P195	≥ 195	320-440	27	25
P235	≥ 235	360-500	25	23
P265	≥ 265	410-570	21	19

Chemical Compositions(%)									
Grade	C	Si	Mn	P	S	Cr	Mo	Cu	Ni
P195	≤ 0.13	≤ 0.35	≤ 0.70	≤ 0.025	≤ 0.020	≤ 0.030	≤ 0.08	≤ 0.30	≤ 0.30
P235	≤ 0.16	≤ 0.35	≤ 1.20	≤ 0.025	≤ 0.020	≤ 0.030	≤ 0.08	≤ 0.30	≤ 0.30
P265	≤ 0.20	≤ 0.40	≤ 1.40	≤ 0.025	≤ 0.020	≤ 0.030	≤ 0.08	≤ 0.30	≤ 0.30

Size:

- Outer Dimensions.: 6.0 mm ~ 219.0 mm
- Wall Thickness: 1 mm ~ 30 mm
- Length: max 12 meters

Protection:

Pipes are supplied:

- Black and bear
- External varnished with black or clear lacquer

Upon request, pipes ends are protected by plastic caps

Marking:

Pipes are supplied with marking according to standard and customer request.

Marking is paint on the ends of pipes. The same data, as well as additional information per customer's request, is indicated on the bundle's tags.

Delivery:

Pipes are supplied in hexahedral bundles or round bundles tied with steel strip.

Weight of bundle - up to 5000 kg upon request of customer.

Each bundle is furnished with three tags.