

DIN1629

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●Production Standard of DIN1629

●DIN1629

DIN 1629 is a specification in the German Industrial Standard (Deutsche Industrienorm) that defines the requirements for the manufacture and quality control of seamless steel tubes. Crafted from unalloyed steels, the main grades of our product are St 37.0, St44.0, and St52.0. These pipes are extensively used in chemical plants, vessel construction, pipework, and general mechanical engineering.

●Dimensions and Sizes of DIN1629

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Tube Thickness (mm)

t e r																																										
m m	1 . 6	1 . 8	2	2 . 3	2 . 6	2 . 9	3 . 2	3 . 6	4 . 5	4 . 5	5 . 6	6 . 3	7 . 1	8	8 . 8	1 0	1 1	1 2 . 5	1 4 . 2	1 6	1 7 . 5	2 0	2 2 . 2	2 5	2 8	3 0	3 2	3 6	4 0	4 5	5 0	5 5	6 0	6 5	7 0	7 5	8 0	8 5	9 0	1 0 0		
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1 3 . 5		•	•	•	•	•	•	•																																		
1 6	•	•	•	•	•	•	•	•	•																																	
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1 9			•	•	•	•	•	•	•	•	•	•	•																													
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2 1 . 3			•	•	•	•	•	•	•	•	•	•	•	•																												
2 5			•	•	•	•	•	•	•	•	•	•	•	•	•																											
2 5 . 4			•	•	•	•	•	•	•	•	•	•	•	•	•																											
2 6 . 9			•	•	•	•	•	•	•	•	•	•	•	•	•																											
3				•	•	•	•	•	•	•	•	•	•	•																												

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●Chemical Composition of DIN1629

Steel Grade		Chemical Composition % by Mass					
Symbol	Material Number	Type of Deoxidization (R, Killed (Including Semi-Killed) RR, Fully Killed)	C	P	S	N	Addition of Nitrogen Fixing Elements (e.g. not less than 0.020%Altotal)
St 37.0	1.0254	R	0.17	0.04	0.04	0.009	–
St 44.0	1.0256	R	0.21	0.04	0.04	0.009	–
St 52.0	1.0421	RR	0.22	0.04	0.035	–	Yes

●Mechanical Properties Tensile Strength and Yield Strength of DIN1629

Steel Grade		Upper Yield Stress ReH For Wall Thickness, in mm			Tensile Strength Rm	Elongation After Fracture	
		up to 16	Over 16 up to 40	Over 40 up to 65		Longitudinal	Transverse
Symbol	Material Number	N/mm2 min			N/mm2	% min	
St 37.0	1.0254	235	225	215	350 to 480	25	23
St 44.0	1.0256	275	265	255	420 to 550	21	19
St 52.0	1.0421	355	345	335	500 to 650	21	19