



Material - DIN StE 285

Standard Specification for Seamless Circular Tubes of Fine Grain Steels for Special Requirements

Group - Ferrous Mild Steel Alloys

Sub Group - DIN StE 285 Seamless Circular Tubes of Fine Grain Steels for Special Requirements

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.180 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.600 - 1.400		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	0.450 max.		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.450 max.		
Niobium	Nb %	0.030 max.		
Aluminium	Al %	0.020 min.		
Nitrogen	N %	0.020 max.		
Copper	cu %	0.450 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
12 MCh	GOST	Russia	Steel
L 17 HM	PN	Poland	Casting
J12540	UNS	USA	Casting
TS 15 CD 2-05	AFNOR NF	France	Tube
XF 400	AS	Australia	Flat
XF 500	AS	Australia	Flat
A356 5	ASTM	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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