

Material: IS 1545 CuNi30Mn1Fe-HD

Standard Specification for Solid drawn Copper and Copper Alloy Tubes for Condenser and Heat Exchangers

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1545 Solid drawn Copper and Copper Alloy Tubes for Condenser and Heat Exchangers

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

Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Iron	Fe %	0.400 - 1.000	As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing	
Manganese	Mn %	0.500 - 1.000		
Nickel	Ni %	29.000 - 33.000		
Other	Ot%	0.300 max.		
Lead	Pb %	0.050 max.		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 480 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HV 140 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi30Mn1Fe	IS	India	Tube
CuNi30Mn1Fe-O	IS	India	Tube
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