



## Material - IS 1545 CuNi30Mn1Fe-O

**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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   360 min. Yield Strength in Mpa   - Elongation in %   35 min. Reduction of Area in %   - Hardness in HV   115 min. Impact in Joule   -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi30Mn1Fe	IS	India	Tube
CuNi30Mn1Fe-HD	IS	India	Tube
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

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