

# Material: IS 2782 Grade 1

## Standard Specification for Nickel and Nickel Alloy Castings

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** IS 2782 Grade 1 Nickel and Nickel Alloy Castings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.030 max.
Sulphur	S %	0.005 max.
Iron	Fe %	0.030 max.
Copper	Cu %	0.030 max.
Antimony	Sb %	0.001 max.
Bismuth	Bi %	0.001 max.
Lead	Pb %	0.003 max.
Nickel	Ni %	99.600 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties
Tensile Strength in Mpa
Yield Strength in Mpa
Elongation in %
Reduction of Area in %
Hardness in BHN
Impact in Joule

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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