

## Material: UNS N09902

### Standard Specification for Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** UNS N09902 Alloy Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

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

**Grade Belongs to the Industry:** Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition		
Carbon	C %	0.060 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	0.800 max.
Chromium	Cr %	4.900 - 5.750
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Aluminium	Al %	0.300 - 0.800
Titanium	Ti %	2.200 - 2.750
Nickel	Ni %	41.000 - 43.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	586 - 1500
Yield Strength in Mpa	241 min.
Elongation in %	6.5 min.
Reduction of Area in %	50 min.
Hardness in HRC	26 - 40
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Ni-Span-C Alloy 902	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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