

Material: SAE NIREX

Standard Specification for Nickel and Nickel-Related Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: SAE NIREX Nickel and Nickel-Related Alloys

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

Grade Belongs to the Industry: Pipe Flange, Fitting and Valve

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	15.500 max.
Copper	Cu %	0.500 max.
Iron	Fe %	9.000 max.
Nickel	Ni %	76.000 min.
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-	-	-
-	-	-
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-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	552 - 1276
Yield Strength in Mpa	172 - 1207
Elongation in %	2 - 50
Reduction of Area in %	40 - 70
Hardness in HRC	65 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
HARPER 600	SAE	USA	Pipe Flange, Fitting and Valve
N06600	UNS	USA	Pipe Flange, Fitting and Valve
PYROMET 600	SAE	USA	Pipe Flange, Fitting and Valve
SIMALLOY 600	SAE	USA	Pipe Flange, Fitting and Valve
Inconel 600	SAE	USA	Pipe Flange, Fitting and Valve
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