

Material: UNS N06600

Standard Specification for Ni-Cr Alloy Solid Solution Strengthened

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N06600 Ni-Cr Alloy Solid Solution Strengthened

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 %	14.000 - 17.000
Copper	Cu %	0.500 max.
Sulphur	S %	0.015 max.
Iron	Fe %	6.000 - 10.000
Nickel	Ni %	72.000 min.
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-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	250 min.
Elongation in %	47 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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