

# Material: DIN X 1 NiCrSi 24-9-7

## Standard Specification for Chromium, Chromium-Nickel and Silicon Alloy Steel Plate, Sheet and Strip for Corrosion and Heat Resisting Service

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN X 1 NiCrSi 24-9-7 Chromium, Chromium-Nickel and Silicon Alloy Steel Plate, Sheet and Strip for Corrosion and Heat Resisting Service

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

**Grade Belongs to the Industry:** Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.020 max.
Silicon	Si %	6.500 - 8.000
Manganese	Mn %	2.000 max.
Chromium	Cr %	8.000 - 11.000
Sulphur	S %	0.010 max.
Molybdenum	Mo %	0.500 max.
Phosphorus	P %	0.025 max.
Nickel	Ni %	22.000 - 25.000
Aluminium	Al %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardening

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
A 946 Grade S70003	ASTM	USA	Plate, Sheet and Strip
A 953 S70003	ASTM	USA	Tube
A 954 S70003	ASTM	USA	Pipe
A 968 S70003	ASTM	USA	Bars and Shapes
1.439	DIN	Germany	Plate, Sheet and Strip
S70003	UNS	USA	Plate, Sheet and Strip
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