

Material: STAS T 25 NiCr 250

Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

Group: Ferrous Stainless Steel Alloys

Sub Group: STAS T 25 NiCr 250 Castings, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.250 max.
Silicon	Si %	1.000 - 2.500
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	23.000 - 27.000
Nickel	Ni %	18.000 - 21.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	195 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4843	DIN	Germany	Round and Flat Wire
SCS 18	JIS	Japan	Centrifugal Cast, Steel, Pipes.
CH25N20	GOST	Russia	Precision Alloys
H23N18	PN	Poland	Heat Resisting Steels
SA-351 Grade CK20	ASME	USA	Casting
A743 CK20	ASTM	USA	Casting
A351 CH20	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India