

Material: PN H 23 N 18

Standard Specification for Austenitic Heat-Resisting Stainless Steels

Group: Ferrous Stainless Steel Alloys

Sub Group: PN H 23 N 18 Austenitic Heat-Resisting Stainless Steels

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

Grade Belongs to the Industry: Heat Resisting Steels

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 25.000		
Nickel	Ni %	17.000 - 20.000		
Iron	Fe %	Balance		
-	-	-	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
SA-351 Grade CK20	ASME	USA	Casting
T25 NiCr 250	STAS	Romania	Casting
A743 CK20	ASTM	USA	Casting
A351 CH20	ASTM	USA	Casting

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