

Material: UNS N08705

Standard Specification for Steel Alloy Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS N08705 Steel Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.350 - 0.750
Silicon	Si %	2.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	24.000 - 28.000
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	35.000 - 37.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	430 min.
Yield Strength in Mpa	235 min.
Elongation in %	4.5 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4857	DIN	Germany	Casting
G X 40 NiCrSi 35-25	DIN	Germany	Casting
40 NiCrSi 35-25	MSZ	Hungary	Casting
G X 50 NiCrSi 35-25	UNI	Italy	Casting
SCH 24	JIS	Japan	Casting
A297 Grade HP	ASTM	USA	Casting
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