Material: UNS J93254

Standard Specification for Austenitic Chromium Nickel Molybdenum Cuprum Nitrogen Stainless Steel Casting

Group: *Ferrous Stainless Steel Alloys*
Sub Group: *UNS J93254 Austenitic Chromium Nickel Molybdenum Cuprum Nitrogen Stainless Steel Casting*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries*
Grade Belongs to the Industry: *Casting*

Chemical Composition		
Carbon	C %	0.025 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.200 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	19.500 - 20.500
Nickel	Ni %	17.500 - 19.700
Molybdenum	Mo %	6.000 - 7.000
Nitrogen	N %	0.180 - 0.240
Copper	Cu %	0.500 - 1.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	260 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A351 CK3MCuN	ASTM	USA	Casting
Z4Cmd 19.13M	AFNOR NF	France	Casting
317 C 12	BS	British	Casting
422940	CSN	Czech Republic	Casting
J92810	UNS	USA	Casting
SA-351 CK3MCuN	ASME	USA	Casting
A351 CE20	ASTM	USA	Casting

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