

## Material: ASTM A732 14Q

### Standard Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application, and Cobalt Alloy for High Strength at Elevated Temperatures

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A732 / A7323M Casting, Investment, Carbon and Low Alloy Steel 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 - 0.350
Silicon	Si %	0.200 - 0.800
Manganese	Mn %	0.650 - 0.950
Phosphorus	P %	0.040 max.
Sulphur	S %	0.045 max.
Chromium	Cr %	0.400 - 0.700
Nickel	Ni %	0.400 - 0.700
Molybdenum	Mo %	0.150 - 0.250
Copper	Cu %	0.500 max.
Tungsten	W %	0.100 max.
other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
Annealing or Normalizing or Hardening + Tempering	
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
8630	AISI	USA	Steel
8630	SAE	USA	Steel, Bar, Forging, Ring and Tube
8630	AMS	USA	Steel
J13051	UNS	USA	Casting
8632	AISI	USA	Steel
8632	SAE	USA	Steel
J13049	UNS	USA	Casting

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