

## Material: ASTM A 352 J91540

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ASTM A 352 J91540 Castings, Iron-Chromium, 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			Heat Treatment	
Carbon	C %	0.060 max.	As-Cast or Annealing or Age Hardening	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Molybdenum	Mo %	0.400 - 1.000		
Nickel	Ni %	3.500 - 4.500		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	760 - 930
-	-	-	Yield Strength in Mpa	550 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
3444 Grade 24	IS	India	Casting
A 352 Grade CA6NM	ASTM	USA	Casting
A 356 Grade CA6NM	ASTM	USA	Casting
A 743 Grade CA-6NM	ASTM	USA	Casting
A 743 J91540	ASTM	USA	Casting
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