



## Material - AS H6A

### Standard Specification for Steel Casting

Group - Ferrous Stainless Steel Alloys

Sub Group - AS H6A Steel Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Heating uniformly to a temperature within the range 1000 to 1150°C, followed by rapid cooling in air or water	
Silicon	Si %	1.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	10.000 min.		
Molybdenum	Mo %	3.000 - 4.000		
Copper	Cu %	0.500 - 1.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      480 min. Yield Strength in Mpa      200 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92999	UNS	USA	Casting
1.4412	EN	European Union	Casting
SA-351 CG3M	ASME	USA	Casting
317 C 12	BS	British	Casting
AM X 7 CrNiMo 20-11	UNE	Spain	Casting
A743 CG3M	ASTM	USA	Casting
A351 CG3M	ASTM	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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