



## Material - SAE D700

### Standard Specification For Ductile Cast Irons Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - SAE D700 Ductile Cast Irons Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	3.200 - 4.100	As-Cast	
Silicon	Si %	1.800 - 3.000		
Manganese	Mn %	0.100 - 1.000		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.035 max.		
Magnesium	Mg %	0.025 - 0.060		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      700 min. Yield Strength in Mpa      425 min. Elongation in %      3 min. Reduction of Area in %      - Hardness in BHN      241 - 302 Impact in Joule      27 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 700-2	ISO	International	Casting
JS 700-2	AS	Australia	Casting
A 536 100-70-03	ASTM	USA	Casting
D7003	SAE	USA	Casting
EN-GJS-700-2	UNE	Spain	Casting
EN-GJS-700-2	SS	Sweden	Casting
5.3300	EN	European Union	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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