

Material: SAE D500

Standard Specification For Ductile Cast Irons Castings

Group: Ferrous SG Iron I Ductile Iron Alloys

Sub Group: SAE D500 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		
-	-	-	Mechanical Properties Tensile Strength in Mpa 500 min. Yield Strength in Mpa 320 min. Elongation in % 6 min. Reduction of Area in % - Hardness in BHN 187 - 229 Impact in Joule 54 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 500-7	ISO	International	Casting
JS 500-7	AS	Australia	Casting
EN-GJS-500-7	BS	British	Casting
EN-JS1050	UNE	Spain	Casting
5.3200	SS	Sweden	Casting
FCD 500-7	JIS	Japan	Casting
EN-JS1040	DIN	Germany	Casting

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