



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE D4512

Standard Specification For Ductile Iron Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - SAE D4512 Ductile Iron 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 %	0.015 - 0.100		
Sulphur	S %	0.005 - 0.035		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 448 min. Yield Strength in Mpa 310 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN 156 - 217 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 450-10	ISO	International	Casting
JS 450-10	AS	Australia	Casting
A 536 65-45-12	ASTM	USA	Casting
D450	SAE	USA	Casting
EN-GJS-450-10	BS	British	Casting
EN-JS1040	UNE	Spain	Casting
5.3107	DIN	Germany	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

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ONE STOP SOLUTION FOR METAL PARTS