

## Material: SAE D5504

### Standard Specification For Ductile Cast Irons Castings

**Group:** Ferrous SG Iron / Ductile Iron Alloys

**Sub Group:** SAE D5504 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 550 min. Yield Strength in Mpa 350 min. Elongation in % 4 min. Reduction of Area in % - Hardness in BHN 217 - 269 Impact in Joule 40 J @ RT	
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-	-	-		
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-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 550-5	ISO	International	Casting
JS 550-5	AS	Australia	Casting
A 536 80-55-06	ASTM	USA	Casting
D550	SAE	USA	Casting
FCD 600-3	JIS	Japan	Casting
EN-JS1092	UNI	Italy	Casting
JS 550-5 C	ISO	International	Casting

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)