



## Material - ASTM A 536 120-90-02

### Standard Specification For Ductile Cast Irons Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - ASTM A 536 120-90-02 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 %	-	As-Cast			
Silicon	Si %	-				
Manganese	Mn %	-				
Phosphorus	P %	-				
Sulphur	S %	-				
Chromium	Cr %	-				
Nickel	Ni %	-				
Copper	Cu %	-				
Iron	Fe %	-				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	827 min.		
-	-	-	Yield Strength in Mpa	621 min.		
-	-	-	Elongation in %	2 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 800-2	ISO	International	Casting
JS 800-2	AS	Australia	Casting
5.3301	EN	European Union	Casting
EN-GJS-800-2	UNI	Italy	Casting
FCD 800-2	JIS	Japan	Casting
EN-GJS-800-2	DIN	Germany	Casting
EN-JS1080	UNE	Spain	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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