

## Material - SAE J403 I SAE J1397 UNS G10850 - Hot Rolled

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

**Group - Ferrous Mild Steel Alloys** 

Sub Group - SAE J403 G10850 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Bars, Wire Rods, Plates, Strip, Sheets and Tubing

	Chemical Composition			Heat Treatment	
Ca	ırbon	C %	0.800 - 0.930		
Mar	Manganese Phosphorus		0.700 - 1.000		
Pho			0.030 max.	As Paw or Appealing or Normalizing or Hardoning and	
Su	lphur	S %	0.050 max.	I lempering	
	ron	Fe %	Balance		
	-	-	-		
	-	-	-		
	-	-	-		
	-	7	-	Mechanical Pi	operties
	-	-	-	Tensile Strength in Mpa	830 min.
	-	-	-	Yield Strength in Mpa	460 min.
	-	-	-	Elongation in %	10 min.
	-	-	-	Reduction of Area in %	25 min.
	-	-	-	Hardness in BHN	248 max.
	-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table						
Material	Standard	Country	Grade Belong to the Industry			
1085	SAE	USA	Steel			
1085	AISI	USA	Plate and Steel			
A 1040 1085	ASTM	USA	Steel			
A 510 1085	ASTM	USA	Wire Rods, Round Wire and Steel			
A 682 G10850	ASTM	USA	Steel and Strip			
A 682 Grade 1085	ASTM	USA	Steel and Strip			
A 684 Grade 1085	ASTM	USA	Steel and Strip			

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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