GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A304 Grade 50B40 H

Standard Specification for Carbon and Alloy Steel Bars Subject to End-Quench Hardenability Requirements

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A304 Grade 50B40 H Carbon and Alloy Steel Bars Subject to End-Quench Hardenability Requirements

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Bars

Chemical Composition		
Carbon	C %	0.370 - 0.440
Manganese	Mn %	0.650 - 1.100
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	0.300 - 0.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
H50401	UNS	USA	Steel
50B40 H	AISI	USA	Steel
SAE J 1249 50B40	AISI	USA	Steel
J 1268 50B40H	SAE	USA	Steel
J 1249 50B40	SAE	USA	Steel
A 519 50B40	ASTM	USA	Steel and Tubing
A 914 Grade 50B40RH	ASTM	USA	Steel and Bars

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.