GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A304 Grade 4161 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 4161 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 %	0.550 - 0.650
Manganese	Mn %	0.650 - 1.100
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	0.650 - 0.950
Molybdenum	Mo %	0.250 - 0.350
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	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
H41610	UNS	USA	Steel
4161 H	AISI	USA	Steel
J 1268 4161 H	SAE	USA	Steel
J 1249 4161	SAE	USA	Steel
A 29 4161	ASTM	USA	Steel and Bars
A 752 Grade 4161	ASTM	USA	Steel and Wire Rods
A 914 Grade 4161RH	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.