GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-4 41NiCrMo7-3-2 I 1.6563

Standard Specification for Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10263-4 41NiCrMo7-3-2 I 1.6563 Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Rod, Bars and Wire

Chemical Composition		
Carbon	C %	0.380 - 0.440
Silicon	Si %	0.300 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.700 - 0.900
Molybdenum	Mo %	0.150 - 0.300
Nickel	Ni %	1.650 - 2.000
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	750 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	58 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G43400	UNS	USA	Steel
A 505 4340	ASTM	USA	Sheet and Strip
A 505 E4340	ASTM	USA	Sheet and Strip
A 519 4340	ASTM	USA	Steel and Tubing
SA-29 Grade 4340	ASME	USA	Steel and Bars
10269 41 NiCrMo 7-3-2	EN	European Union	Steel
10269 1.6563	EN	European Union	Steel

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.