GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-4 37Cr4 I 1.7034

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 37Cr4 I 1.7034 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 %	0.340 - 0.410
Silicon	Si %	0.300 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.900 - 1.200
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	620 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	60 min.
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10083-1 1.7034	DIN	Germany	Steel
1654-4 1.7034	DIN	Germany	Steel
17200 1.7034	DIN	Germany	Steel
1652-4 1.7034	DIN	Germany	Steel
EN 10083-1 37 Cr 4	AFNOR NF	France	Steel
10083-1 1.7034	EN	European Union	Steel
10250-3 1.7034	EN	European Union	Steel and Forging

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.