GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-4 42CrMo4 I 1.7225

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 42CrMo4 I 1.7225 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 - 0.450
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
Molybdenum	Mo %	0.150 - 0.300
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	660 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	60 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17200 1.7225	DIN	Germany	Steel
1652-4 1.7225	DIN	Germany	Steel
EN 10083-1 1.7225	DIN	Germany	Steel
SAE J 404 4142	AISI	USA	Steel
EN 10083-1 42 CrMo 4	B.S.	United Kingdom	Steel
41 5142 15142	CSN	Czech Republic	Steel
10250-3 1.7225	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

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