GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-3 12NiCr3-2 I 1.5701

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

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10263-3 12NiCr3-2 I 1.5701 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 %	0.090 - 0.150
Silicon	Si %	0.300 max.
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.400 - 0.700
Nickel	Ni %	0.500 - 0.800
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	620 max.
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	59 min.
Hardness in HB	180 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J13025	UNS	USA	Casting
7846 12 NiCr 3	UNI	Italy	Steel and Bars
8550 12 NiCr 3	UNI	Italy	Steel
3097 12 NiCr 3	UNI	Italy	Steel
6934 12 NiCr 3	UNI	Italy	Steel
12 NiCr 3	DIN	Germany	Steel
1.5708	DIN	Germany	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

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