GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1554 410S21

Standard Specification for Stainless and Heat-resisting Steel Round Wire

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 1554 410S21 Stainless and Heat-resisting Steel Round Wire

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel and Round Wire

Chemical Composition		
Carbon	C %	0.090 - 0.150
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Sulphur	S %	0.030 max.
Phosphorus	P %	0.040 max.
Chromium	Cr %	11.500 - 13.500
Nickel	Ni %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Soft Annealing

Mechanical Properties	
Tensile Strength in Mpa	780 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4312 SUS 403	JIS	Japan	Steel, Plate and Sheet
10088-3 X12Cr13	DIN	Germany	Steel
10088-2 1.4006	DIN	Germany	Steel
10088-3 X 12 Cr 13	EN	European Union	Steel
10088-3 1.4006	EN	European Union	Steel
10088-3 X 12 Cr 13	UNI	Italy	Steel
1449-2 13 Cr-0.12 C	B.S.	United Kingdom	Plate, Sheet and Strip

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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