GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrTiCu22 (4621-443-30-J)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrTiCu22 (4621-443-30-J) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.025 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	20.000 - 23.000
Nitrogen	N %	0.025 max.
Copper	Cu %	0.300 - 0.800
Titanium	Ti %	0.016 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	390 min.
Proof Strength in Mpa	205 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S44200	UNS	USA	Steel
970 En61	B.S.	United Kingdom	Steel
SAE J 405 442	AISI	USA	Steel
A 959 Type 442	ASTM	USA	Steel
A 176 Type 442	ASTM	USA	Plate, Sheet and Strip
J 405 51442	SAE	USA	Steel
J 412 51442	SAE	USA	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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