GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X2CrCuNbTiV22-1 I 1.4622

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X2CrCuNbTiV22-1 I 1.4622 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	0.800 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.030 max.
Chromium	Cr %	20.000 - 24.000
Niobium	Nb %	0.100 - 0.700
Titanium	Ti %	0.100 - 0.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	430 - 630
Proof Strength in Mpa	300 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
11523 10 AlCr 240	STAS	Romania	Steel
35-578 Z 12 CAS 25	AFNOR NF	France	Steel
35-578 Z 12 C 25	AFNOR NF	France	Steel
86022 H 24 JS	PN	Poland	Steel
SEW 470 X10CrAl24	DIN	Germany	Steel
SEW 470 1.4762	DIN	Germany	Steel
EU 95 X 10 CrAlSi 24	EN	European Union	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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