GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10302 1.4923 (X22CrMoV12-1)

Standard Specification for Creep Resisting Steel, Nickel and Cobalt Alloys

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10302 1.4923 (X22CrMoV12-1) Creep Resisting Steel, Nickel and Cobalt Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.180 - 0.240
Silicon	Si %	0.500 max.
Manganese	Mn %	0.400 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	11.000 - 12.500
Molybdenum	Mo %	0.800 - 1.200
Nickel	Ni %	0.300 - 0.800
Vanadium	V %	0.250 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	800 - 950
Proof Strength in Mpa	600 min.
Elongation in %	-
Reduction of Area in %	14 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
M 3120 X 22 CrMoV 12 1 S	ONORM	Austria	Steel
17240 X 22 CrMoV 12 1	DIN	Germany	Steel
17240 1.4923	DIN	Germany	Steel
H 84024 23 H 12 MNF	PN	Poland	Steel
35-578 Z 21 CDV 12	AFNOR NF	France	Steel
10269 X 22 CrMoV 12-1	EN	European Union	Steel
10269 1.4923	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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