GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10269 X6CrNi18-10 I 1.4948

Standard Specification for Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10269 X6CrNi18-10 I 1.4948 Steel and Nickel Alloys for Fasteners with Specified Elevated and/or Low Temperature Properties

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.040 - 0.080
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	8.000 - 11.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 700
Proof Strength in Mpa	185 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	90 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
M 3182 G-X 6 CrNi 18 10	ONORM	Australia	Casting
6738 0 Ch 18 N 10	BDS	Bulgaria	Steel
14350 14350	NS	Norway	Steel
1501-3 304 S 11	B.S.	United Kingdom	Steel and Plates
142332 2332	SS	Sweden	Steel
J 2515 304	SAE	USA	Steel
721 (X 2 CrNiN 18 10)	SFS	Finland	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.