

# Material: ISO X 2 CrNiN 234

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ISO X 2 CrNiN 234 Seamless Steel Tubes for Pressure Purposes

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Steel, Bar, Rolling and Forging

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	22.000 - 24.000
Molybdenum	Mo %	0.600 max.
Nickel	Ni %	3.500 - 5.000
Copper	Cu %	0.600 max.
Nitrogen	N %	0.050 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 - 2300
Yield Strength in Mpa	385 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	260 max.
Impact in Joule	85 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4362	BS	British	Tube
1.4362	EN	European Union	Steel, Bar and Rod
1.4362	DIN	Germany	Steel, Bar and Rod
X2CrNiN23 4	EN	European Union	Steel, Bar and Rod
X2CrNiN23 4	AFNOR NF	France	Steel
X2CrNiN23 4	DIN	Germany	Steel, Bar and Rod
X2CrNiN 23-4	UNI	Italy	Steel, Sheet, Plate and Strip

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India