

## Material: CSN 17116

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** CSN 17116 Seamless Steel Tubes for Pressure Purposes

**Application:** CSN 39 NiCrMo 3.

**Grade Belongs to the Industry:** Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Isothermal Annealing	
Silicon	Si %	0.250 - 1.000		
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	8.000 - 10.000		
Molybdenum	Mo %	0.900 - 1.100		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	460 - 740
-	-	-	Yield Strength in Mpa	210 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	55 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7386+I	EN	European Union	Steel and Tube
1.7386+I	DIN	Germany	Steel and Tube
1.7386+I	DIN	Germany	Steel and Tube
X11CrMo91TA	ISO	International	Steel and Tube
X11CrMo91TN+TT	ISO	International	Steel and Tube
X12CrMo9 1	DIN	Germany	Steel and Tube
X12Cr9KG	UNI	Italy	Steel and Forging

**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)