

<b>GRADE</b>	X6CrNiMoTi17-12-2 (W.Nr. 1.4571)	<b>AISI</b>	<b>316 Ti</b>
<b>STANDARD</b>	EN 10088-3; EN 10272; ASTM A276; ASME SA 276		
<b>CLASSIFICATION</b>	AUSTENITIC CORROSION RESISTING STEEL		
<b>APPLICATION</b>	TUBES/PIPELINES, PRESSURE VESSELS, COSMETIC INDUSTRY, FOOD/PETFOOD INDUSTRY, PHARMACEUTICALS INDUSTRY AND WELDING.		

Chemical Composition [%]						
C	Si	Mn	P	S	Cr	Ni
max 0.08	max 1.0	max 2.0	max 0.045	max 0.030	16.5 - 18.0	10.5 - 13.5
Mo	Co	Cu	N	Ti	Nb	Ta
2.0 - 2.5	-	-	max 0.10	5xC to 0.70	-	-

<b>DELIVERY CONDITIONS</b>	Hot rolled, annealed and pickled or cold drawn final condition
<b>SHAPE</b>	FLAT OR SQUARE BARS
<b>SIZE TOLERANCE</b>	EN 10058 / EN 10059 AND EN 10278 (H11) OR ASTM A484

Mechanical Properties						
Condition	Hardness [HB]	Rp 0,2% [MPa]	Rp 1,0% [MPa]	Rm [MPa]	A [%]	Z [%]
+AT	215	min 200	min 235	500 - 700	min 40	-
Cold drawn	-	min 200	-	500 - 950	min 25	-

<b>Rp 0,2%</b>	Yield Strength / Streckgrenze / Tensão Limite
<b>Rp 1,0%</b>	1% point / Dehngrenze / Limite de Extensão
<b>Rm</b>	Tensile strength / Zugfestigkeit / Tensão de Rotura
<b>A</b>	Elongation / Bruchdehnung / Alongamento
<b>Z</b>	Reduction of area / Einschnürung / Coeficiente de Estricção

<b>REQUIREMENTS</b>	Other delivery requirements may be analysed under request
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