

GRADE	DIN X5CrNi18-10 WNr. 1.4301 AISI 304 TYPE 304 UNS S30400 DIN X2CrNi18-9 WNr. 1.4307 AISI 304/304L TYPE 304/304L UNS S30403
STANDARD	EN 10088-3; EN 10272; ASTM A276; ASTM A479; AMS 5639; AMS 5647; AMS QQ-S-763
CLASSIFICATION	AUSTENITIC STAINLESS STEEL
APPLICATIONS	CUTLERY, FOOD INDUSTRY, FRAMES, NUCLEAR VESSELS, SPRINGS, BOLTS AND SCREWS, CHEMICAL EQUIPMENT, CRYOGENIC VESSELS, EVAPORATORS, PAPER INDUSTRY, FITTINGS

Chemical Composition [%]						
C	Si	Mn	P	S	Cr	Ni
Max 0.03	Max 1.0	Max 2.0	Max 0.045	Max 0.030	18 – 20	8.0 – 10.5
Mo	Co	Cu	N	Ti	Nb	Ta
-	-	-	Max 0.1	-	-	-

DELIVERY CONDITIONS	Hot rolled, annealed and pickled condition or cold drawn condition
SHAPE	FLAT / SQUARE / HEXAGONAL BARS
SIZE TOLERANCE	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 [%]	KV [J]	Z [%]
+AT	Max 215	Min 190	Min 225	500 - 700	45	Min 100	Min 40
Cold drawn*	-	Min 450	-	585 - 830	30	Min 100	Min 60

*maximum and minimum values may change upon requested thickness and strain-hardened level

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

REQUIREMENTS	Other delivery requirements may be analysed upon request
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