1.4571/AISI 316Ti

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Ni	Mo	Ti
0.08 max	1.00 max	2.00 max	0.045 max	0.03 max	16.5-18.5	10.5-13.50	2-2.50	5xC- 0.70

CHARACTERISTICS AND AREAS OF APPLICATION

Austenitic Cr-Ni stainless steel. It has the same mechanical properties of 1.4305 but the addition of Cu improves corrosion resistance and processing features with machinery.
It is used for marine equipment, chemical/pharmaceutical, petrochemical, food, textile, paper, industries, etc.

INDICATIVE MECHANICAL PROPERTIES

[ACCORDING TO EN10088-3 AT HARDENED STATE - ROOM TEMPERATURE]

Metallurgical condition	Rm [N/mm2]	Rp 0.2 [N/mm2]	A5 [%] min
Annealed	500-850	200 min	30

WELDABILITY

This steel grade can be welded with no difficulty, electrodes of the same quality must be used.

CORROSION RESISTANCE

Excellent in the atmosphere and in a wide variety of salts, organic acids and food substances, fair in weak solutions of reducing acids.

HEAT TREATMENT

ANNEALING › 1050-1100°C/water

[*] The information on this sheet is of a general nature and reflects the contents of the technical regulations. For any specific request or clarification, please contact Eure inox Quality Department.