



# 1.4301/1.4307

**CONFIDENTIAL**

## CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Ni	N
0.03 max	1.00 max	2.00 max	0.045 max	0.03 max	17.5-19.5	8-10.5	0.10 max

## CHARACTERISTICS AND AREAS OF APPLICATION

Austenitic stainless steel, hardenable by cold deformation.

Resistant to intergranular corrosion (with proper solution treatment) and good processing features in chip removal machinery.

Used in the chemical, food, dairy, wine, textile and oil industries.

## INDICATIVE MECHANICAL PROPERTIES

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

Metallurgical condition	Rm [N/mm <sup>2</sup> ]	Rp 0.2 [N/mm <sup>2</sup> ]	A5 [%] min
Annealed	500-830	175 min	30

## WELDABILITY

This type of steel can be welded without difficulty. Post-welding treatment is not necessary.

## CORROSION RESISTANCE

In its solubilised state, it is resistant to corrosion against a wide variety of substances used in the chemical, textile, oil, dairy and food industries.

Insensitive to intercrystalline corrosion.

## HEAT TREATMENT

**SOLUTION 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.