



# 1.4305/AISI 303 +

**CONFIDENTIAL**

## CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Ni	N	Cu
0.10 max	1.00 max	2.00 max	0.045 max	0.15-0.35	17-19	8-10	0.10 max	1.00 max

## CHARACTERISTICS AND AREAS OF APPLICATION

Austenitic Cr Ni stainless steel with S addition, non-hardening, cold work hardenable. Used for all parts produced by machining.

## 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
Solution Annealed	500-850	190 min	20

## WELDABILITY

Normally not used for applications requiring welding.

## CORROSION RESISTANCE

This steel grade is slightly less resistant to corrosion than that of 1.4301/1.4307 in favour of easier cutting.

## 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.