



1.4305

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 IN THE HARDENED STATE - ROOM TEMPERATURE]

Metallurgical condition	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	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.