



1.4845/AISI 310S

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Ni	N
0.10 max	1.50 max	2.00 max	0.045 max	0.015 max	24-26	19-22	0.10 max

CHARACTERISTICS AND AREAS OF APPLICATION

Heat-resistant austenitic stainless steel.

It is used to make parts for furnaces, heat exchangers, burners, endothermic engines and equipment for the chemical and petroleum industries.

INDICATIVE MECHANICAL PROPERTIES

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

Metallurgical condition	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A5 [%] min	Indic. hardness [HB] max
Annealed	550-950	230 min	20	323 max

WELDABILITY

Steel grade 1.4845 can be welded with no difficulty. Austenitic steel electrodes are recommended where the use of electrodes is required. Solubilisation treatment is required after welding.

CORROSION RESISTANCE

Good up to 1100°C under continuous service conditions and up to 1000°C under intermittent service conditions.

HEAT TREATMENT

ANNEALING > 1050-1100°C/air

[*] 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.