



1.4105/AISI 430F

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Mo
0.08 max	1.50 max	1.50 max	0.040 max	0.15-0.35	16-18	0.20-0.60

CHARACTERISTICS AND AREAS OF APPLICATION

Ferritic, non-hardening steel with high processing features (automatic steel).

Used for mass production of turned screws and bolts, shafts, pins, for internal and external architectural decorations, kitchen utensils, injectors, etc.

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
Annealed	430-730	250 min	12

WELDABILITY

This steel grade is hard to weld.

CORROSION RESISTANCE

Good in mid-corrosive conditions.

The addition of sulphur causes a slight decrease in corrosion resistance.

HEAT TREATMENT

ANNEALING > 760-820°C/slow cooling

[*] 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.