FERRITIC STAINLESS STEEL	
EN DESIGNATION	ASTM DESIGNATION
1.4016	430
	S43000

Description:

It is non hardenable steel containing chromium and belongs to ferritic group. It exhibit good corrosion resistance and formability. It can be used in certain chemical applications due to its resistance to nitric acid

Chemical Composition:

C	S	P	Mn	Si	Cr	Ni
≤ 0.120	≤0.030	≤ 0.040	≤1.00	≤ 1.00	16.0-18.0	≤ 0.75

Mechanical Properties:

Rm (MPa)	Rp0.2 (MPa)	A50 (%)	HRBW
≥ 450	≥ 205	≥ 22	≤ 89

Applications:
Home electrical appliance, household, indoor decoration, cutlery

Stress Corrosion Cracking:
It exhibits good stress corrosion cracking resistance, as most ferritic stainless steels.

Atmospheric Corrosion:
Has good resistance to atmospheric corrosion in indoor applications. When it is used in more aggressive environments, is necessary a frequent cleaning to prevent superficial stains.

Surface Cleaning:
Wash the surface with neutral soap and water applied with a cloth or a brush without scratching the stainless steel. Then, always rinse the stainless steel with water to remove completely the cleaning agent. Finally, it is recommended to dry the surface to preserve a good superficial condition. In severe environments, a frequent cleaning is strongly recommended.

Specifications:
It can be delivered according to EN, ASTM, ASME standard requirements.