FERRITIC STAINLESS STEEL	
EN DESIGNATION	ASTM DESIGNATION
1.4509	441
	S43940

Description:

It is a low carbon, dual stabilized ferritic stainless steel. With 18% chromium, the steel has good corrosion resistance in moderately corrosive environments and good oxidation resistance at elevated temperature. 1.4509 has good high temperature oxidation resistance and creep resistance.

Chemical Composition:

C	S	P	Mn	Si	Cr	Nb	Ti
≤ 0.030	≤ 0.015	≤ 0.040	≤ 1.00	≤ 1.00	17.50-18.50	< 0.30	0.10-0.60

Mechanical Properties

Rm (MPa)	Rp0.2 (MPa)	A50 (%)	HRBW
≥ 450	≥ 250	≥ 18	≤ 88

Applications:

Suitable for use in applications automotive exhaust systems.

Corrosion Resistance

Have good resistance to a wide variety of corrosive environments. They are generally used in the automotive industry for exhaust systems. Atmospheric corrosion resistance is good, although in highly polluted or marine environments staining may occur.

Specifications:

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