



Grade	Code	AISI	Martensitic Stainless Steel
1.4006	X12Cr13	410	

Steel Properties

1.4006 is a martensitic grade which exhibits good mechanical properties coupled with good corrosion resistance in moderately corrosive environments.

Chemical Composition (1.4006)

C %	P %	Si %	Mn %	S %	Cr %	Mo %	Ni %	Al %	Cu %
0,15 max.	0,04 max.	1,00 max.	1,00 max.	0,015 min.	11,50 – 13,50	-	0,75 max.	-	-

Mechanical Properties (Quenched and Tempered)

Condition	Rp0.2, Mpa	Rm, Mpa	Elongation [%]	Hardness [HB]
Bar & Rod	≥ 450	650 – 850	-	-

Suitable For

The material 1.4006 is a stainless martensitic steel, which shows good mechanical properties and good corrosion resistance in moderately aggressive media. Field of application: connecting parts, mechanical engineering, petrochemistry, hydraulic engineering, petroleum industry, structural parts in water and steam and mildly aggressive media of the food industry as well as gun barrels.

Remarks

Specification

EN 10088-3, QT650, UNS S41000, AISI 410, F6A, ASTM A479, ASTM A182, ASTM A276