

			MAF	RTENSITIC S ACX		TEEL	
ACERINOX		DESI	GNATION E		DESIGNATION ASTM		
			1.4034			420	
			X46Cr13			S42000	
DESCRIPTION	treatment. M		re ductile and	can be a good		nical resistance aping and trans	
CHEMICAL	С	Si	Mn	Р	S	Cr	
COMPOSITION	0.43 - 0.50	≤1.00	≤1.00	≤0.040	≤0.015	13.00-14.00	)
APPLICATIONS							
MECHANICAL Rm ≤ 780 N/mm <sup>2</sup>		0 N/mm <sup>2</sup>					
OPERTIES AFTER	Elongatio						
NAL ANNEALING	Hardnes	s ≤ 9	9 HRB				
PHYSICAL PROPERTIES	At 20°C, it has	a density of 7.	7 kg/dm <sup>3</sup> and	a specific hea	t of 460 J/kg·l	< 300°C	400°C
EN 10088-1	Modulus of	elasticity (GPa		212	205	200	190
	Mean coef	icient of linear		10.5	11.0	14.5	12.0

PROPERTIES AFTER	Rm	≤ 780 N/mm²		
COLD ROLLING AND	Elongation	≥ 12%		
FINAL ANNEALING	Hardness	≤ 99 HRB		

20°C	100°C	200°C	300°C	400°C
215	212	205	200	190
-	10.5	11.0	11.5	12,0
30	-	-	-	-
0.65	-	-	-	-
	215 - 30	215 212   - 10.5   30 -	215 212 205   - 10.5 11.0   30 - -	215   212   205   200     -   10.5   11.0   11.5     30   -   -   -

## WELDING Only under specialized procedures.

Due to the high hardenability of martensitic stainless steels, welding operations can produce formation of martensite in the welding and heat affected zones. In order to avoid cracking due to the formation of martensite, previous and post heating treatment is recommended.

## CLEANING SURFACE | It is mandatory to carry out regular cleaning practices to maintain surfaces indefinitely and to obtain the best service of stainless steel.

Wash the surface with neutral soap applied with a soft cloth or a brush without scratching the stainless steel surface. Then, rinse thoroughly to get the complete dirt and cleaner removal. In case of the use of chloride content products, the rinse is mandatory.

Finally, it is recommended to dry surfaces to preserve them in good conditions.

SPECIFICATIONS | They can be delivered according to EN and ASTM and comply with the European Directives for:

- Food industry, RE 1935/2004.

- Hexavalent chromium, ROHS.

