

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Austenitic stainless steel alloyed with Cr and Ni.

Resistant to high temperatures. High resistance to corrosion.

It is non-magnetic and weldable.

Its most common applications are for pieces resistant to corrosive agents such as valves, shafts and pump bodies for use in the chemical, textile and food industries.

DIMENSIONS IN STOCK MM.



4 - 342

APPLICABLE STANDARD

EN 10088-1

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Ni	Others
MIN						17,00	8,00	N. MAX. 0,11
MAX	0,07	2,00	1,00	0,045	0,030	19,50	10,50	

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed condition.

Dimensiones	Re (N/mm ²)	Rm (N/mm ²)	Hardness HB	A %	KV (J)
mm.	Min.	Min.	Max.	Min.	Min.
≤ 160	190	500	700	45	100
> 160	On request				

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
X5CrNi18-10	X5CrNi 18-9	1.4301	F3504		Z5CN18-09	304S31	X5CrNi18 10	304	08X18H10

COLOUR CODE



HARDENING CURVE

