

DELIVERY CONDITION

Annealed.

PROPERTIES AND MOST COMMON APPLICATIONS

Austenitic stainless steel alloyed with Cr, Ni and Mo.

Resistant to high temperatures. Resistance to corrosion higher than that of AISI304.

It is non-magnetic and weldable.

Its most common applications are for parts for the food, chemical, refineries, textile and paper industries.

DIMENSIONS IN STOCK MM.



6 - 302

APPLICABLE STANDARD

EN 10088-1

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr	Mo	Ni	Others
MIN						16,50	2,00	10,00	N. MAX. 0,11
MAX	0,07	2,00	1,00	0,045	0,030	18,50	2,50	13,00	

MECHANICAL PROPERTIES

Mechanical properties at room temperature in annealed conditions.

Dimensions	Re (N/mm ²)	Rm (N/mm ²)	Hardness HB	A %	KV (J)	
mm.	Min.	Min.	Máx.	Máx.	Min.	Min.
≤ 160	200	500	700	215	40	100
> 160	On request					

APPROXIMATE EQUIVALENT STANDARDS

EN	DIN	Nº STAND	UNE	STAS	AFNOR	BS	UNI	AISI/SAE	GOST
X5CrNiMo17-12-2	X5CrNiMo18-10	1.4401	F3534		Z6CND17-11-02FF	316S31	X5CrNiMo17 12	316	08X16H11M3

COLOUR CODE



HARDENING CURVE

