

STANDARD REFERENCE:

EN 10088-3: 2014 (Hot-rolled and bright products)

RODACCIAI REFERENCES AND COMPARABLE STANDARDS

EUROPE		ITALY	GERMANY		FRANCE	UK	USA
EN 10088-3: 2005		(UNI 8317: 81)	(DIN 17441 - 86)		(NF A 35-573-90)	(BS 970 pt.3 -91)	AISI
Grade	N°		Werkstoff	N°			
X3CrNb17	1.4511	X 6 CrNb 17	X6CrNb17	1.4511	Z 4 CNb 17	-	-

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

C / max	Si / max	Mn / max	P / max	S / max	Cr	Nb
0,05	1,00	1,00	0,040	0,030	16,0÷18,0	12xC÷1,00

MECHANICAL PROPERTIES - Rough turned (1X) in the annealed condition

Size max (mm)	Hardness HB max*	Rp _{0,2} (MPa) min	R _m (MPa)	A ₅ (%) min	Resistance to intergranular corrosion	
					in the delivery condition	in the welded condition
100	200	200	420÷620	20	YES	YES

* Only for guidance

MECHANICAL PROPERTIES - Cold drawn (2H, 2B) and ground bars (2G) in the solution annealed condition

Size max (mm)	Rp _{0,2} (MPa) min	R _m (MPa)	A ₅ (%) min*
≤ 10	320	500÷750	8
> 10 ≤ 16	300	480÷750	8
> 16 ≤ 40	240	400÷700	15
> 40 ≤ 50	240	400÷700	15

* Values valid only for size ≥ 5 mm

