

STANDARD REFERENCE:
EN 10088-3: 2005 (Hot-rolled and bright products)

RODACCIAI REFERENCES AND COMPARABLE STANDARDS

EUROPE		ITALY	GERMANY			FRANCE	USA	USA
UNI EN 10088-3: 2005		(UNI 6900-71)	(DIN 17440-86)			(NF A 35-574-90)	ASTM A 182	AISI
Grade	N°							
X2CrNi23-4	1.4362	-	-	-	-	-	F51 - S31803	2304

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

Rodacciai	Europe	C / max	Si / max	Mn / max	P / max	S / max	Cr	Cu	Mo	N	Ni
AISI 2304	1.4362	0,03	1,00	2,00	0,035	0,015	22,0÷24,0	0,1÷0,6	0,1÷0,6	0,05÷0,20	3,50÷5,50

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

Size max (mm)	Hardness HB max	Rp _{0,2} (MPa) min	Rm	A ₅ (%) max	KV (J) min	Resistance to intergranular corrosion	
						in the delivery condition	in the welded condition
< 160	260	400	600÷830	25	100	YES	YES

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

Level of resistance	Rm (MPa)
+ C 800	800÷1000
+ C 900	900÷1100
+ C 1000	1000÷1250
+ C 1100	1100÷1350
+ C 1200	1200÷1450
+ C 1400	1400÷1700
+ C 1600	1600÷1900
+ C1800	1800÷2100

MECHANICAL PROPERTIES - Wire and coils solubilized condition +AT

Size (mm)	R _m (MPa)	A ₅ (%) min
> 0,50 ≤ 1,00	1050	20
> 1,00 ≤ 3,00	1000	20
> 3,00 ≤ 5,00	950	25
> 5,00 ≤ 16,00	900	25