

DECLARATION OF PERFORMANCE	D	ECLA	RATION	OF PE	ERFORMANCE
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N°	0101/071 Rev. 0					
Product Identification Code	Flat product made of Stainless Steel X5CrNi18-10 1.4301 Hot rolled, according to EN10088-4.					
Identification	According to the information stated on the ID label with barcode and/or bundle number and in the inspection certificate					
Intended use of the construction product	Stainless Steel Flat Product for use in the construction field					
Manufacturer (registered office)	Marcegaglia S.p.A. Via Bresciani, 16 – 46040 Gazoldo degli Ippoliti (MN) – Italia					
Production Plant	Gazoldo Degli Ippoliti Via Bresciani, 16 – 46040 Gazoldo degli Ippoliti (MN) – Italia					
System of assessment and verification of the continuity of performance of the construction product	2+					
Name and ID number of the notified Body	RINA Services S.p.A. – Via Corsica, 12 – 16128 Genova - Italia 0474					

Certificates of Conformity for the control of the plant production have been issued for the following elements:

- Starting inspection of the production plant and of the factory production control.
- Surveillance, evaluation and regular audits of the factory production control

DECLARED PERFORMANCE Main Features Performance Harmonised specification **Dimensional Tolerances** EN9444-2:2009 As per Table 2 Elongation **Tensile Strength** As per Table 1 Yield strength 0,2% Impact strength EN10088-4 Weldability (Chemical Analysis) According to specification Durability (Chemical Analysis) Resistance to brittle fracture (see Impact strength) As per Table 1 Hot Forming (see Elongation) This declaration of performance is issued under the sole responsibility of the manufacturer identified above. Signed for and on behalf of Marcegaglia S.p.A. Arnaldo Ing. Barini Gazoldo D.I. Plant Manager

Gazoldo D.I. 01/07/2013 This declaration of performance is valid only in presence of the product identification label and delivery document or of the inspection certificate issued after delivery.



			Tab	ole 1 -	· Mecl	nanical Pi	roperties	s of Hot Rolle	ed Austeni	tic Steel			
	Product	Grade		product	Thk	Yield St	rength	Tensile Strength	_	ation ture	Stre	oact ngth D-V	Intergranular corrosion resistance ^(f)
Q	uality	No.	Aisi	of p	mm	R _{p0,2}	$R_{p1,0}^{(b)}$	R _m	$A_{80}^{(d)}$	A ^(e)	K	XV V	Conditions of
				-					< 3mm T	≥ 3mm T	> 10r	nm T.	the supply
				Type		MPa	a ^(g)	MPa ^(g)	%	%	J	J	
				F	max	Mi					min	min	
				(a)		Transve	ersal ^(c)				Long.	Transv.	
X5CrNi1	8-10	1.4301	304	Н	13.5	210	250	520÷720	45	45	100	60	Yes
a)	Type of Pro	duct: C =	= Cold Rolle	d, H =	Hot F	Rolled							
b)	Value given	as an in	dication only	у									
c)	For Continu	ous Hot	Rolled prod	ucts th	ne min	. value of	R _{p0,2} mus	st be increase	d by 20MP	a and the n	ninimum	value of	f R _{p1,0} must be
	increased b	y 10MPa	a.										
d)	Values may	apply to	samples 80) mm l	ong a	nd 20 mm	. wide, a	s well as 50 m	nm long and	d 12,5 mm	wide		
e)	Values appl	y to sam	ples having	5,65√	S ₀ .								
f)	When require	red, it m	ust comply v	vith El	ISO	3651-2							
g)	1 MPa = 1N	/mm²											

Table 2 – Dimensional Tolerances EN9444-2 (Continuously Hot Rolled) Tolerances of thickness for Wide Strips in coils and sheets (a)(b) Thickness range t (mm) Tolerance for nominal widths (mm) W ≤ 1400 1400 < W ≤ 2500 t ≤ 2,0 ± 0,22 ± 0,27 ≥ 2.0< 2.5 ± 0,23 ± 0,30 $\geq 2.5 < 3.0$ ± 0,26 ± 0,31 ≥ 3.0< 4.0 ± 0,29 ± 0,34 ≥ 4.0< 5.0 ± 0,31 ± 0,36 ± 0,34 ± 0.38 ≥ 5.0< 6.0 ≥ 6.0< 8.0 ± 0,38 ± 0.40 For wide strips, the stated tolerance shall not apply to the mill ends for a total length deriving from formula I(m)=90/nominal thickness (mm) a) up to a maximum length of 20m for each coil. b) Trimmed edges or sheared ends may have burrs **Tolerances of Widths for Wide Strips and Sheets** Tolerance in mm Mill edges (a) Trimmed edges (b) All widths -0 +20 -0 +5 For wide strips, the stated tolerance shall not apply to the mill ends for a total length deriving from formula I(m)=90/nominal thickness (mm) a) up to a maximum length of 20m for each coil. Tolerances of trimmed edges shall apply to product with specified thickness ≤10mm; for nominal thickness ≥10mm the upper tolerance b) will have to be agreed upon at the time of enquiry and order. **Tolerances of Length for Sheets** Nominal Length L **Regular Tolerance in mm** L ≤ 2000 -0 + 10 $2000 \le L < 20'000$ -0 +0.005 L L ≥ 20'000 As per agreement **Tolerances on Edge Camber** Tolerances by length 5000(mm) Type of Product Mill Edges (mm) Trimmed Edges (mm) Coils in Wide Strips 20 15 Trimmed Edges Sheets For lengths < 5000mm 0.5% of length Mill Edges Sheets For lengths ≥ 5000mm 20mm for each length of 5000 of whole length Trimmed edges Sheets For lengths ≥ 5000mm 15mm for each length of 5000 of whole length

Table 2 –	Dimensio	onal Tol	erances	EN9444	-2 (Continu	ously Hot Rolled)			
	То	lerances of	Squareness	for Sheets	from Wide Strips				
Nominal Width	Out-of-squareness								
	1% of width								
		Tol	erances of F	latness for	Sheets				
Nominal Thickness		Nominal Width				Tolerance of Flatness			
	600	≤	W	≤	1200	23			
t ≤ 13	600	<	w	≤	1200	23			
			w	≥	1500	38			
					•				
	Tolerances of	of Edge Dis	placement fo	r products	in Coils (mm for	each side)			
					35				
Trimmed Edges									

MARCEGAGLIA Headquarters quality department