

DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

No. Stainless Flat 1.4301, 1.4401

Plate, Sheet, Strip
1.4301, 1.4401
according EN 10088-4

Head Office: ParkerSteel Limited
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Website: www.parkersteel.co.uk

View DOP: www.parkersteel.co.uk/dop

UKCA Marking Notified Body (No. 2273)

Steel Construction Certification Scheme

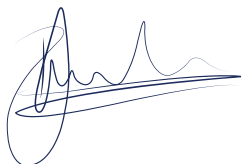
4 Whitehall Court, Westminster
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of assesment and verification of constancy of
performance of the product:
System 2+

Steel Construction Certificate Scheme has performed (i) intial
inspection of the manufacturing plant and factory product
control and (ii) continuous surveillace, assessment and
evaluation of factory production control and issued Factory
Production Control certificate 2273-CPR-0025 and Welding
Certificate 2273-CPR-0025-WC.



Dylan Alexander
Managing Director
ParkerSteel Limited

Date:
December 2023

Steel designation		Product Form	Thickness mm max	0,2% Proof strength R MPA min.	0,1% Proof strength R MPA min.	Tensile Strength RM MPA
Name	Number					
X5CrNi18-10	1.4301	C	8	230	260	540 to 750
		H	13,5	210	250	520 to 720
		P	75	210	250	
X5CrNiMo17-12-2	1.4401	C	8	240	270	530 to 680
		H	13,5	220	260	
		P	75	220	260	520 to 670

Steel designation		Form	Thick mm max	Elongation after fracture		Impact energy (ISO-V) KV>10mm thick max		Resistance to intergranular corrosion	
Name	Number			< 3mm thick % min	≥3mm thick % min	(Long)	(tr)	in the delivery condition	in the sensitized condition
X5CrNi18-10	1.4301	C	8	45	45	-	-	yes	no
		H	13,5	45	45	100	60		
		P	75	45	45				
X5CrNiMo17-12-2	1.4401	C	8	40	40	-	-	yes	no
		H	13,5	40	40	100	60		
		P	75	45	45				

Chemical composition (cast analysis) of austenitic corrosion resisting steels			
X5CrNi18-10 (1.4301)		X5CrNiMo17-12-2 (1.4401)	
C	≤0,07	C	≤0,07
Si	≤1,00	Si	≤1,00
Mn	≤2,00	Mn	≤2,00
P max.	≤0,045	P max.	≤0,045
S	≤0,015	S	≤0,015
N	≤0,10	N	≤0,10
Cr	17,5 to 19,5	Cr	16,5 to 18,5
Cu	-	Cu	-
Mo	-	Mo	2,00 to 2,50
Nb	-	Nb	-
Ni	8,0 to 10,5	Ni	10,0 to 13,0



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Plate, Sheet, Strip

EN 10088-4:2009
Stainless Flat 1.4301, 1.4401

To be used in metal structures or in composite metal and
concrete structures for building construction or
civil engineering

Elongation:
Tensile Strength:
Yield Strength: EN10088-4
Impact Strength:
Weldability:
Durability:
Dangerous Substances: No Performance Determined