

DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

No. Stainless Flat 1.4307, 1.4404

Plate, Sheet, Strip
1.4307, 1.4404
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

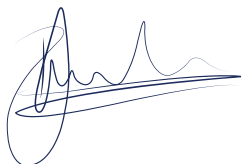
4 Whitehall Court, Westminster
London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

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

Steel Construction Certificate Scheme has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance, 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					
X2CrNi18-9	1.4307	C	8	220	250	520 to 700
		H	13,5	200	240	
		P	75	200	240	500 to 700
X2CrNiMo17-12-2	1.4404	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
X2CrNi18-9	1.4307	C	8	45	45	-	-	yes	yes
		H	13,5			100	60		
		P	75						
X2CrNiMo17-12-2	1.4404	C	8	40	40	-	-	yes	yes
		H	13,5			100	60		
		P	75			45	45		

Chemical composition (cast analysis) of austenitic corrosion resisting steels			
X2CrNi18-9 (1.4307)		X2CrNiMo17-12-2 (1.4404)	
C	≤0,030	C	≤0,030
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 1.4307, 1.4404

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