

### DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

No. Stainless Long 1.4307, 1.4404

Bars, Rods, Wire,

Hot Rolled Sections eg Angles Channels, I Beams

1.4307, 1.4404

according EN 10088-5

**Head Office: ParkerSteel Limited**  
**Vauxhall Road, Canterbury**  
**Kent CT1 1HD**

Tel: 01227 783333

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

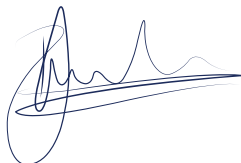
London, SW1A 2ES

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 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

December 2022

Steel designation		Thickness or diameter	Hardness HB	0,2% Proof strength R <sub>p0.2</sub> MPA min.	0,1% Proof strength R <sub>p0.1</sub> MPA min.	Tensile Strength R <sub>m</sub> MPA
Name	Number	mm	max			
X2CrNi18-9	1.4307	≤160	215	175	210	500 to 700
		160<t≤250				
X2CrNiMo17-12-2	1.4404	≤160	215	200	235	500 to 700
		160<t≤250				

Steel designation		Thickness or diameter	Elongation after fracture A % min.		Impact energy		Resistance to intergranular corrosion	
Name	Number	mm	(long)	(tr)	(Long)	(tr)	in the delivery condition	in the sensitized condition
X2CrNi18-9	1.4307	≤160	45	-	100	-	yes	yes
		160<t≤250	-	35	-	60		
X2rNiMo17-12-2	1.4404	≤160	40	-	100	-	yes	yes
		160<t≤250	-	30	-	60		

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	≤0,030	S	≤0,030
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



2273

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EN 10088 - 5  
 Stainless Long 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: EN10088-5  
 Impact Strength:  
 Weldability:  
 Durability:  
 Dangerous Substances: No Performance Determined