

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

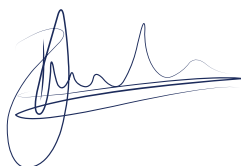
London, SW1A 2ES

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) 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 2022

Steel designation		Thickness or diameter mm	Hardness HB 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	≤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 mm	Elongation after fracture A % min.		Impact energy max		Resistance to intergranular corrosion	
Name	Number		(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