

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
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

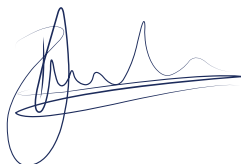
4 Whitehall Court, Westminster
 London, SW1A 2ES

Tel: 020 7839 8566

Website: www.steelconstruction.org

System of 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 2022

| 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