

DECLARATION OF PERFORMANCE

(according to regulation EU No 305/2011)

Section/Bars S355JR

Sections/Bars S355JR / 1.0045 according EN 10025-2

To be used in-welded, bolted and riveted structures

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

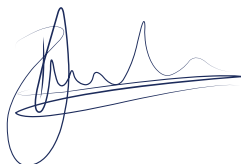
London, SW1A 2ES

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



Dylan Alexander
 Managing Director
 ParkerSteel Limited

Date:
 December 2023

| Essential Characteristic | Performance | | Harmonised Technical Specification | |
|---|--------------------------------|----------|--|-----|
| | | | | |
| Tolerance on dimensions and shape | Angles | | EN10056-2 | |
| | I and H sections | | EN 10034 | |
| | Tapered Flange I | | EN 10024 | |
| | UPE, UPN | | EN 10279 | |
| | Flat / Square / Round / T bars | | EN 10058 / EN 10059 EN 10060 / EN 10055 | |
| Yield strength | Nominal thickness (mm) | | Values Min (MPa) | |
| | > | ≤ | | |
| | - | 16 | 355 | |
| | 16 | 40 | 345 | |
| | 40 | 63 | 335 | |
| | 63 | 80 | 325 | |
| Tensile strength | Nominal thickness (mm) | | Values Min (MPa) | |
| | > | ≤ | min | max |
| | =3 | 100 | 470 | 630 |
| | 100 | 140 | 450 | 600 |
| | Nominal thickness (mm) | | Values Min (%) | |
| | > | ≤ | | |
| Elongation | Nominal thickness (mm) | | Values Min (%) | |
| | > | ≤ | | |
| | =3 | 40 | 22 | |
| | 40 | 63 | 21 | |
| | 63 | 100 | 20 | |
| | 100 | 140 | 18 | |
| Impact strength | Nominal thickness (mm) | | Values (J) | |
| | > | ≤ | min | |
| | | 140 | 27J @ +20°C | |
| Weldability | Nominal thickness (mm) | | Values Max (%) | |
| | > | ≤ | | |
| | - | 30 | 0,44 | |
| | 30 | 40 | 0,47 | |
| | 40 | 140 | 0,47 | |
| Durability | Nominal thickness (mm) | | Values Max (%) | |
| | > | ≤ | | |
| | | 140 | C*: 0,24 | |
| | | | Mn: 1,60 | |
| | | | P: 0,040 | |
| | | | S: 0,040 | |
| | | | N**: 0,012 | |
| | | Cu: 0,55 | | |
| *For nominal thickness >100mm: C content upon agreement | | | | |
| ** The max value for nitrogen does not apply if the chemical composition shows a minimum total AL content of 0.020% or if sufficient other N binding elements are present | | | | |

EN10025-1 2004



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 CT1 1HD

EN 10025-1 - 2004
 Sections/Bars S355JR / 1.0045

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Elongation:
 Tensile Strength:
 Yield Strength: EN10025-2
 Impact Strength:
 Weldability:
 Durability:
 Dangerous Substances: No Performance Determined