

# TEST CERTIFICATE

## LOAD TESTING IN ACCORDANCE WITH BS 8579:2020



On Wallbarn Limited,  
3 Hagley Court North, The Waterfront, Dudley, West Midlands, DY5 1XF

### PROOF LOAD TESTING STS LABORATORY

**TEST DESCRIPTION:** A proof load test was conducted on a 25mm aluminium rail, with steel pedestals fitted at varied lengths, increasing in 100mm spans from the centre of the rail. Testing was completed using a hydraulic jack to apply a vertical point load to the centre of the product. All testing was carried out in accordance with British Standard BS 8579:2020.

**REF NO.:** DR-5838 **DATE TESTED:** 5<sup>th</sup> November 2024  
**JOB NO.:** P10305 **CERTIFICATE DATE:** 6<sup>th</sup> November 2024  
**CERTIFICATE NO.:** IC11902 **SUPPLIER/SOURCE:** Client

**TEST DETAILS:**  
Product Tested: Aluminium Rail with Steel Pedestal **Item Condition:** New  
Target Loads: 2.0kN **Ambient Temperature:** 22°C  
Test Location: STS Laboratory **Procedure or Method:** BS 8527:2020

#### TEST RESULTS:

| Test Product | Load Achieved (kN) |                   |                   |
|--------------|--------------------|-------------------|-------------------|
|              | 300mm from Centre  | 400mm from Centre | 500mm from Centre |
| 25mm Rail    | 2.46               | 2.06              | 1.48              |



#### ANALYSIS:

Testing was completed with the rail obtaining 2kN load before reaching 5mm deflection. The rail managed to get to 400mm before failing at 500mm, which got to 1.48kN at the 5mm maximum deflection. All testing was completed within the BS 8572:2020.

|  |                    |  |   |
|--|--------------------|--|---|
| <b>For Specialist Technical Services (U.K) Limited</b> |                    |  | The results found on this Certificate relate only to the product[s] tested as described above<br>This Test Certificate shall <u>not</u> be reproduced except in full<br><br>QC: TC001 – Test Certificate – v4.0   Page 1 of 1 |
| <b>Approved By:</b>                                    | Andrew Gore        |  |   |
| <b>Position:</b>                                       | Technical Director |  |   |
| <b>Signature:</b>                                      |                    |  |   |

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Unit D4, Poole Hall Business Park, Poole Hall Road, Ellesmere Port, Cheshire, CH66 1UA, United Kingdom

T: +44 (0) 1244 794 104 F: +44 (0) 1244 794 204

E: Info@sts-group.co.uk

Offices Located at: Chester | Ellesmere Port

Website: <https://www.sts-group.co.uk>

