

# 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 weight tolerance test was conducted on various aluminium rails fitted to steel pedestals, increasing in 100mm spans from the centre of the rail. Testing was completed using a jack to apply a vertical compressive load centre to the product, to confirm structural performance. Loading results obtained were recorded at the limit of 5mm deflection. All testing was carried out in accordance with the client's specification.

**REF NO.:** DR-5744 **DATE TESTED:** 15<sup>th</sup> May 2024  
**JOB NO.:** P10259 **CERTIFICATE DATE:** 24<sup>th</sup> May 2024  
**CERTIFICATE NO.:** IC11716 **SUPPLIER/SOURCE:** Client

**TEST DETAILS:**  
Product Tested: Aluminium Rail with Steel Pedestal Item Condition: New  
Target Loads: 5mm Deflection Ambient Temperature: 18°C  
Test Location: STS Laboratory Procedure or Method: BS 8527:2020

#### TEST RESULTS:

Test Product	Load Achieved (kN)											
	100mm from Centre	200mm from Centre	300mm from Centre	400mm from Centre	500mm from Centre	600mm from Centre	700mm from Centre	800mm from Centre	900mm from Centre	1000mm from Centre	1100mm from Centre	1200mm from Centre
15mm Rail	2.04	2.08	2.01	1.13								
20mm Rail	2.02		2.03	1.98								
50mm Rail			2.10	1.54	1.43	1.40	1.28					
75mm Rail			2.26	2.03	2.01	1.97	1.90	1.88	1.78	1.28		
100mm Rail			2.02	2.05	2.05	2.05	2.05	2.02	2.00	2.05	2.02	1.90

#### ANALYSIS:

Testing was completed with each individual rail obtaining various loads before reaching 5mm deflection. The 15mm & 20mm rail reached a 400mm span before the maximum deflection was obtained, with the 100mm rail reaching a span of 1200mm from the centre, before obtaining maximum permissible 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 This Test Certificate shall <u>not</u> be reproduced except in full  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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