



Belgian Welding Institute
 Technologiepark-Zwijnaarde 48
 B-9052 Zwijnaarde

25/180-Museum-rail - Bend Test Report

1. Client information

Requested by: STAS picture hanging systems B.V

Reference: Museumrail RK 10/20/30

Requirement: -

Remark(s): -

2. General test information

Date of test: 26/03/2025

Roller diameter: Outer: 10 mm / Center: 100 mm

Test standard: Not specified

Distance between rollers: 300 mm

Test method: 3-point bending

Loading rate: 8 mm/min

3. Test results

Specimen reference	Elastic deformation		Elastic - Plastic deformation		Equation of linear part $W = a \cdot \delta + b$ [-]	Remark(s)	Result
	W_e [kg]	δ_e [mm]	W_{max} [kg]	δ_{Wmax} [mm]			
Museumrail RK 10/20/30-1	285,18	2,3992	402,13	7,215	$W = 140,049 \cdot \delta - 46,314$		-
Museumrail RK 10/20/30-2	292,32	2,1908	408,99	6,7032	$W = 136,764 \cdot \delta - 5,205$		-

Interpretation of results: A Acceptable NA Not acceptable - No interpretation

Abbreviations:

END OF TEXT REPORT

Date of issue: 26/03/2025

Test location: Belgian Welding Institute, Technologiepark-Zwijnaarde 48

Prepared by:

Nelis
 Vandermeiren (Signature)
 Reason: Report prepared
 Date: 2025.03.26 14:36:08
 +01'00'

ing. Nelis Vandermeiren, IWE



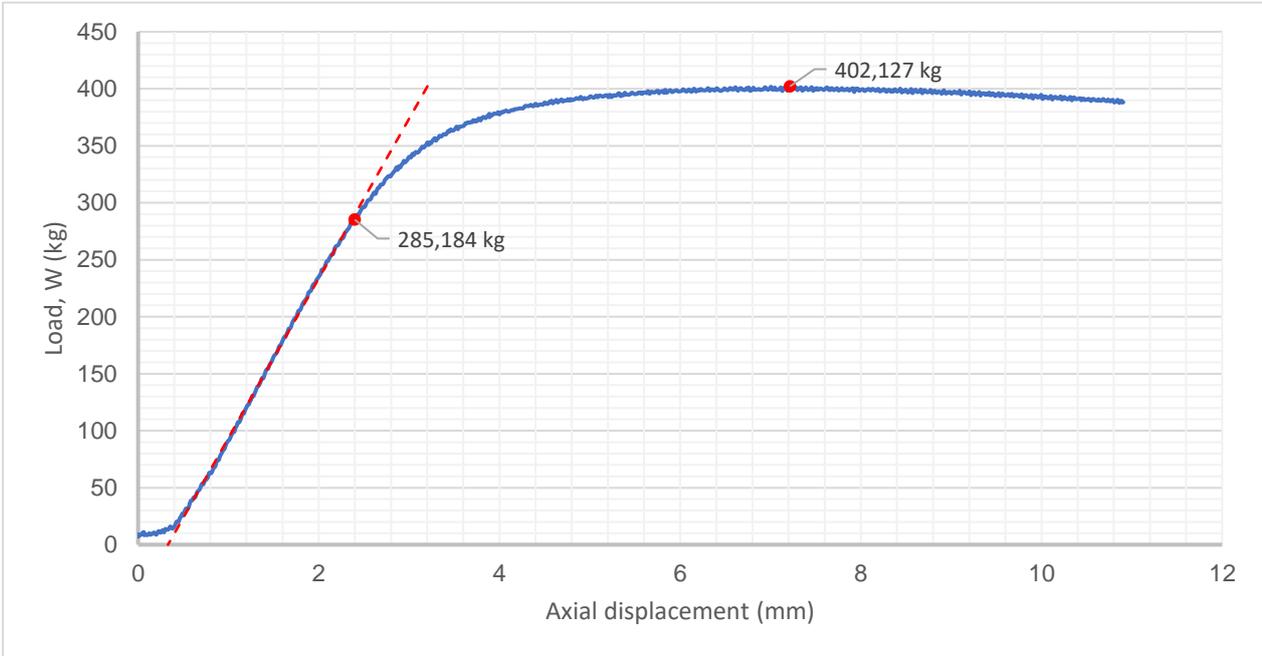
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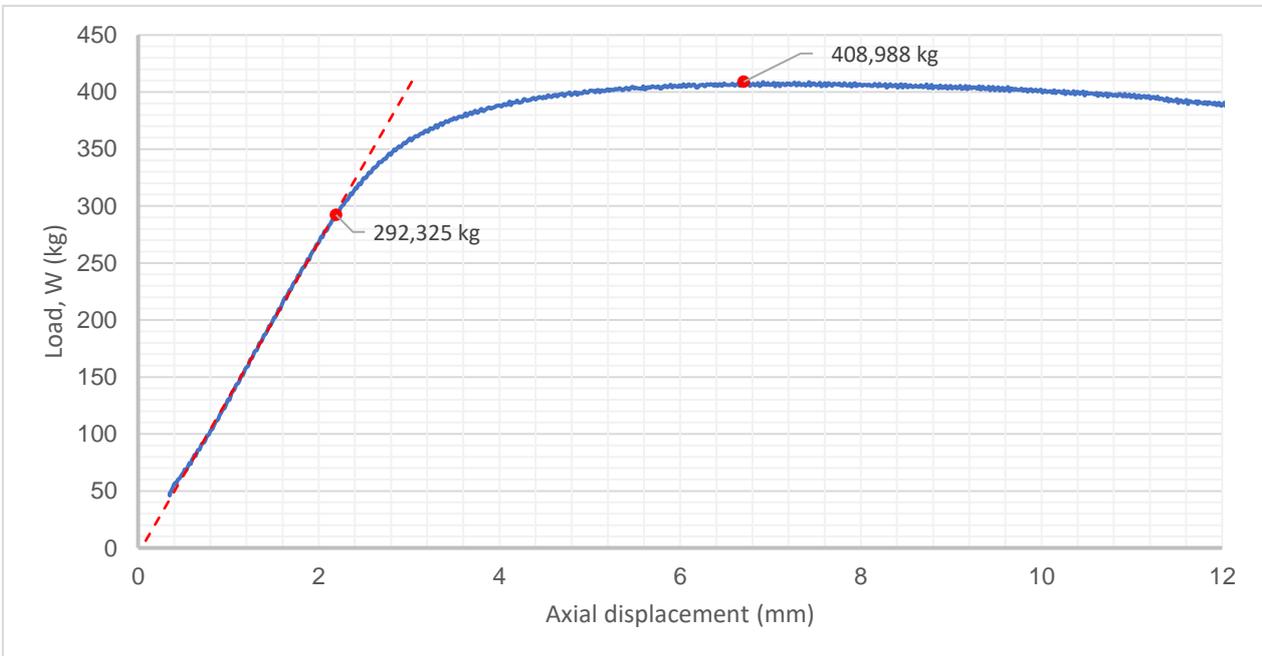
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4. Test results - chart data



Weight versus deformation chart - test specimen Museumrail RK 10/20/30-1



Weight versus deformation chart - test specimen Museumrail RK 10/20/30-2



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