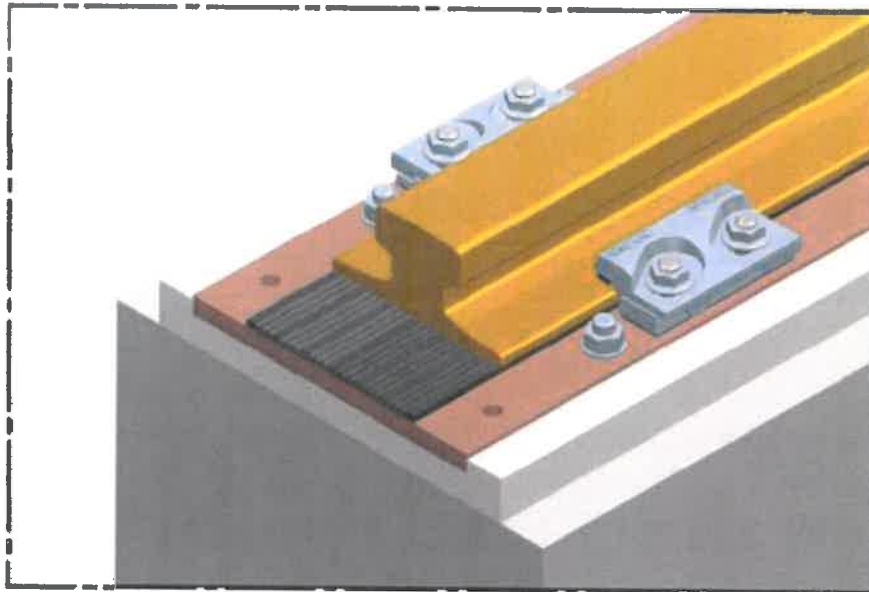




Bemo Rail – Reinforced pad (MK6)



Bemo Rail MK6 reinforced pads have been specially designed for the soft mounting of crane rails, and its support substantially improves the performance of heavy duty crane tracks. Cranes apply very high forces to the structures on which they are mounted. The pad significantly reduces the stress between the rail and its support.

Bemo Rail – Reinforcement pad:

- Are manufactured as a vulcanized synthetic elastomer strip, reinforced with a steel strip. The upper face is grooved.
- Reduce the wear of the rail and its support:
 - absorb the uneven surfaces.
 - improve the contact between rail and support.
- Are specially to wear, shear, crushing, oil, greases, oxygen and ultra violet rays.
- Are designed for service temperatures from -25°C up to 110°C, especially owing to low and high temperature pads.
- Reduce noise and vibration: noise: typical reduction of 12:
vibrations: typical reduction of 45%-50%

BEMO RAIL

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1749 DK Warmenhuizen
Tel.: +31 (0)226 - 425300
E-mail: info@bemorail.nl



Bemo Rail – Reinforced pad (MK6)

Material characteristics:

- Composition: synthetic elastomer reinforced with a steel strip.
- Shore hardness: 75°A ± -5°
- Max. Tensile strength: 17,5 N/mm² – 15,0 N/mm² after ageing.
- Elongation: 305% as supplied – 240% after ageing.
- Working temperature: -25 C° to + 110 C°
- Vibration reduction: 45%-50%
- Rebound resilience: 12%
- Permanent Set: <5% (<20% after aging)

Overall dimensions shall be:

Pad width Rail foot width, plus 0, less 5 to 6mm

Pad thickness 7mm nominal (- 0mm / + 0.5mm)

Pad length 12m (minimum)

The reinforcing shall be of steel with the following characteristics:

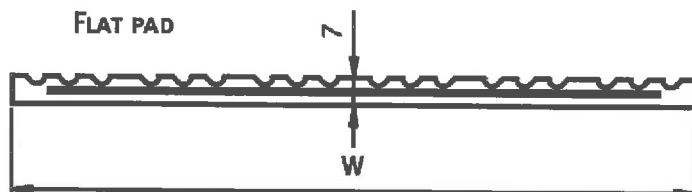
Minimum thickness 0.7mm

Minimum width 60% of the pad width

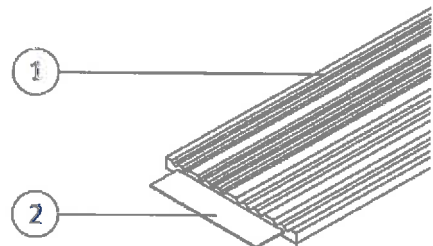
Tensile strength 690 MPa

The rubber shall be securely bonded to the steel by means of a vulcanization process.

Rubber to steel bond strength shall be a minimum of 4.7 kN/m².



COMPONENTS



1. Resilient pad
2. Steel reinforcement

Installation instructions:

Rail pad should be narrower than the rail it is supporting (nominally 5mm).

The pad is normally supplied in 12 metre lengths.

The flutes of the pad are placed facing upwards. The pad may be cut to precise length of rail. It can be cut with a hacksaw or jigsaw.

No installed length of pad should be less than the spacing between three pairs of crane rail fixing clips.

Before installing MK6 pad, the supporting area should be clean and free of oil, grease or any projections likely to damage the pad.

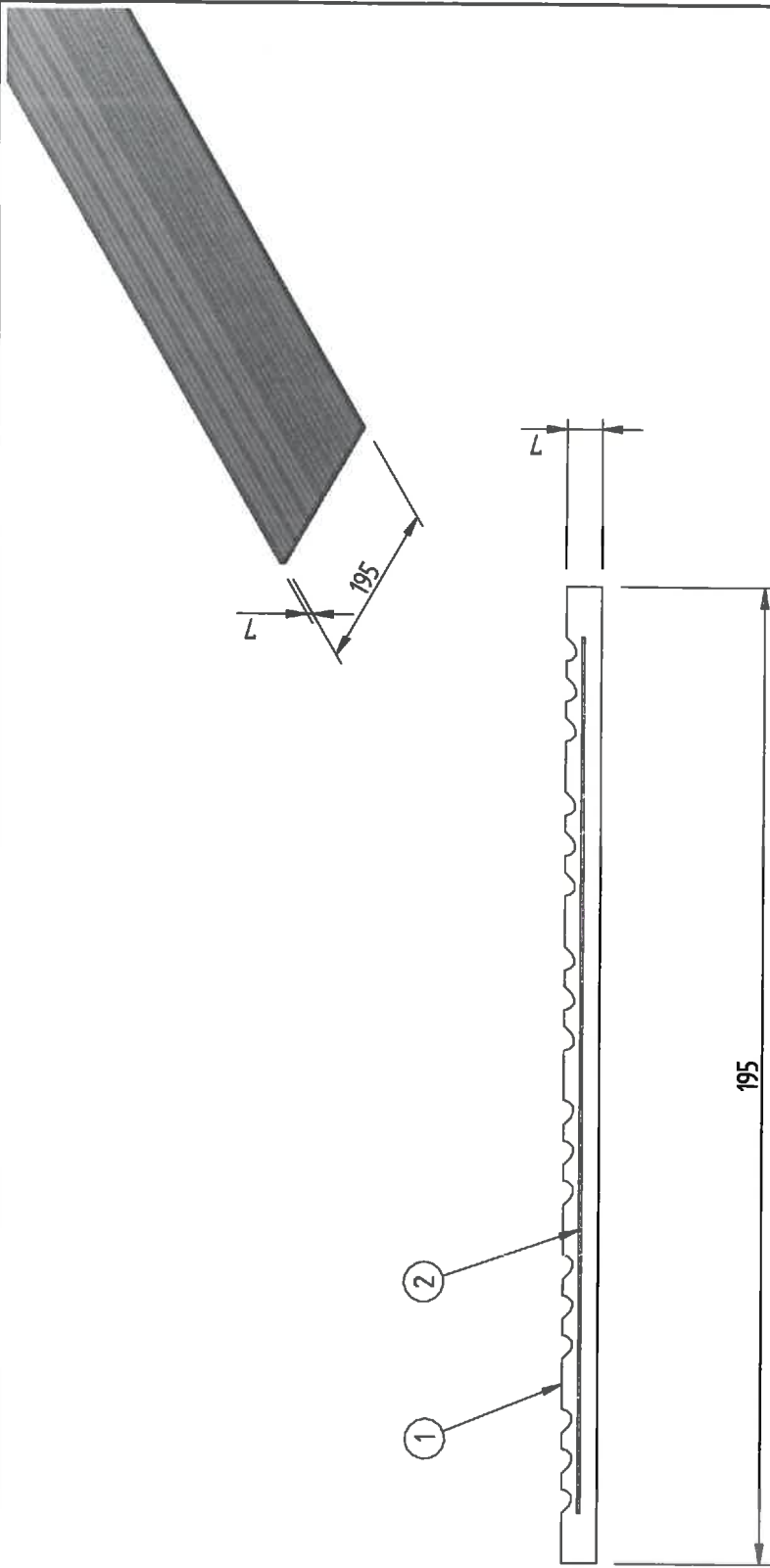
It is preferable that the steel structure below the pad is not painted.

If the rail is to be welded the pad should be protected from excessive heat during welding by being removed under the weld or by being protected with a thermal barrier.

Our technical department will be pleased to advise on the suitability of Mk6 pad in specific installation conditions.

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- Rubber Elastic pad: Shore hardness 75° ± 5 shore A (DIN 53505)

2	Steel plate	St.70	175 x 0,5	-	-	-
1	Elastic pad	Rubber	195 x 7	-	-	-
Item	Description	Material	Type / Dimensions	Norm	Comments	
Titel: Steel reinforced rubber pad						
Project: -						
Opdrachtgever: -						
Opdrachtgever: BEMO RAIL De Boornseweg 59 1749 JK Vlieland Tel.: +31 (0)226 425300 E-mail: info@bemorail.nl						
Opmerking Rev. A 01-feb-2016 ISO 9001 - 2000 Naam: - Datum: 19-11-2016 Gekeurd: J. de Vries J. de Vries Beoordelaar: J. de Vries 19-11-2016 Vrijgegeven: R. Meulzen R. Meulzen Enheid: mm Schaal: 1:1 Formaat: A3 Bladz.: 2 van 2 Revisie: A						
195X7				195X7		