



Expansion joints

# mageba expansion joints – for lasting driving comfort



## **TENSA<sup>®</sup> MAT Type RM** quiet, pedestrian and bicycle friendly



**mageba**  
Switzerland [www.mageba.ch](http://www.mageba.ch)



## Expansion joints

# Product characteristics & benefits

### Principle

mageba TENSA®MAT RM expansion joints consist of watertight elastomeric elements, clamped between two steel edge profiles which are anchored to the concrete of the bridge deck. Depending on application, the connection is by means of anchor loops (in road bridges) or anchor studs (in railway bridges). The continuous closed surface formed with the carriage-way minimises noise and vibrations when vehicles pass over the joint. The closed surface also prevents the trapping of debris and other foreign objects.

### Applications

TENSA®MAT expansion joints are suitable for use in bridges in urban areas where noise should be minimised and for railway bridges with stone ballast beneath the track. In the case of bridges with highly skewed expansion joints, they offer high comfort and safety to cyclists and pedestrians. The joints can be supplied to accommodate movements of between 30 and 160 mm.

### Quality

For five decades, mageba expansion joints have proven their worth in thousands of structures under the most demanding conditions. In addition to the product properties, the extensive experience of our well-qualified manufacturing and installation staff also contributes to the products' high quality and durability.

mageba has a process-orientated quality system that is certified in accordance with ISO 9001:2008. Quality is also regularly inspected by independent institutes, such as the University of Stuttgart's materials testing body (MPA). mageba factories are certified for welding in accordance with ISO 3834-2, and according to the current steel construction standard EN 1090.

### Customer support

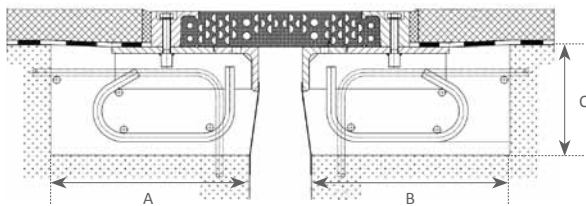
Our product specialists will be happy to advise you in the selection of the optimal solution for your project, and to provide you with a quotation.

On our website, [www.mageba.ch](http://www.mageba.ch), you can find further product information, including reference lists and tender documentation.



Installed joint

### Main dimensions



Type	Movement capacity	A	B	C
	mm	mm	mm	mm
RM 30	30	- / 300	- / 300	- / 200
RM 40	40	300 / 300	300 / 300	250 / 200
RM 80	80	450 / 450	300 / 300	250 / 200
RM 130	130	- / 500	- / 300	- / 200
RM 160	160	450 / 540	450 / 300	250 / 220

### mageba expansion joint types



Single gap joints



Cantilever finger joint



Sliding finger joints



Modular expansion joints

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