



Expansion Joints

Infrastructure | Buildings | Industrial structures

mageba expansion joints – for lasting driving comfort



TENSA®MAT Type RM

quiet, pedestrian and bicycle friendly



mageba



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 the 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 roadway minimizes 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 minimized 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 1.2 and 6.3 in (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 high quality and durability of the products.

mageba has a process-orientated quality system. In addition, its quality is regularly inspected by independent testing institutes. mageba factories are AISC certified for Major Bridges (CPT, STD, SPE) and also maintain AWS certifications for D1.1 and D1.5.

Customer Support

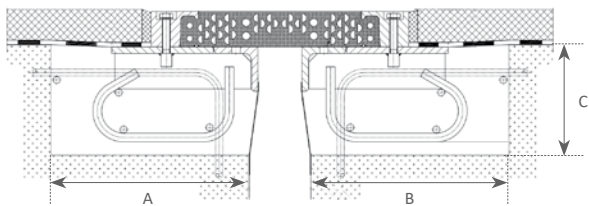
Our product specialists will be happy to advise you in the selection of the optimal solution for your project, and to provide you with a quotation.

On our website, mageba-group.com, you can find further product information, including reference lists and tender documentation.



Installed Joint

Main Dimensions

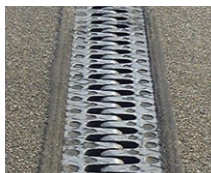


Type	Movement Capacity		A		B		C	
	in	mm	in	mm	in	mm	in	mm
RM 30	1.2	30	-/11.8	-/300	-/11.8	-/300	-/7.9	-/200
RM 40	1.6	40	11.8/11.8	300/300	11.8/11.8	300/300	9.8/7.9	250/200
RM 80	3.1	80	17.7/17.7	450/450	11.8/11.8	300/300	9.8/7.9	250/200
RM 130	5.1	130	-/19.7	-/500	-/11.8	-/300	-/7.9	-/200
RM 160	6.3	160	17.7/21.3	450/540	17.7/11.8	450/300	9.8/8.7	250/220

mageba Expansion Joint Types



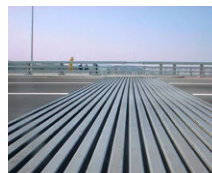
Single Gap Joints



Cantilever Finger Joint



Sliding Finger Joints



Modular Expansion Joints

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