Zeitschrift: IABSE structures = Constructions AIPC = IVBH Bauwerke
Band: 7 (1983)
Heft: C-24: Structures in Italy

Mageba production programme

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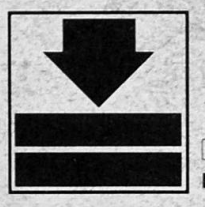
Expansion joints

Watertight transition structures for modular joints in transport routes of all kinds.

Lamella joints Robek System
Transition structures for heavy traffic bridges and for expansion paths of all magnitudes. Load compensating segments with folding expanding sections divide the total expansion path into traversable grooves. The modular joint remains watertight and level with the carriageway in all conditions of movement. It is specially designed and manufactured to suit the conditions of each structure.

Unitary joints Robek System
Modular joints for the expansion of a groove. Steel edge sections with integral anchorings are incorporated in elements in an elastic and compact special concrete. An elastomeric expanding section provides a watertight seal of the groove.
Unitary joints are made for light and heavy traffic. They are particularly suitable for later installation.

Matt joints Robek System
Modular joints for medium-sized expansion paths. A reinforced, elastomeric deformable matting is fitted in a cavity of the structure. It can expand while simultaneously load compensating and provides a level closure of the movement joint. Matt joints are made for light and heavy traffic. They are particularly suitable for later installation.



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Bearings

Elastomeric, torsionable bearing structures for loadbearing and movement equalization in structures of all kinds.

Pot-type bearing Robek System
Bearing structures for applied loads and displacements of any magnitude, particularly for bridge construction. These pot-type bearings rotate in all directions on an enclosed pressure pad with integral sealing chain of tough plastic, sliding without wear on the pot wall. The pot bearing is made into a sliding pot bearing if movements have to be equalized. It can be provided with sliding chains permitting external re-lubrication.

Reinforced elastomeric bearings
Bearing structures for applied loads and displacements of medium magnitudes in bridge construction and structural engineering. Elastomeric bearings are reinforced with sheet steel and accommodate movements by shear deformation. For larger movements they can be combined with a sliding bearing.

Structural bearings Delta System
Bearing structures for applied loads and displacements of small magnitudes in structural engineering.
The structural bearings are rigid without reinforcement and accommodate movements by shear deformation and/or by sliding.

In addition to elastomeric torsionable bearing structures, conventional designs are also produced. They can be combined with sliding bearings.

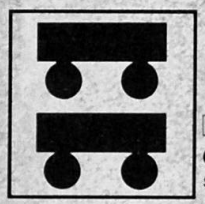
Point tilting bearings
These rotate in all directions by rolling on a spherical dome.

Spherical bearings
These rotate in all directions by the sliding of a spherical dome.

Linear rocker bearings
These rotate in one direction by rolling on a curved section.

Roller bearings
These extend the curved section to a single-sided moving roller.

Pilot bearings
Provide fixed point or movement directions without accepting applied vertical loads.



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Car parking system

Hydraulically stacked parking places for private cars in multi-storey carparks and parking areas.

Double parker (Pit Machine)
Mageba System
Car parking system requiring little space for two parking places one above the other and swivelled for entering and leaving the driving level. Both parking places can be used independently.

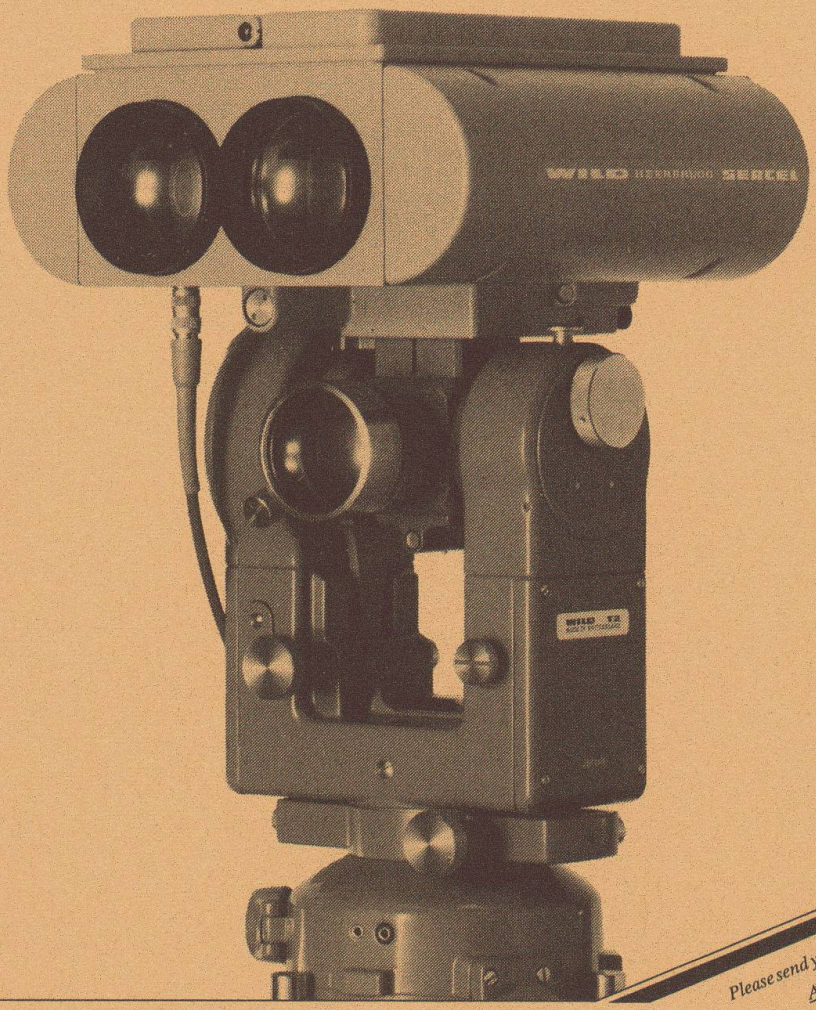
Hoist parker (Surface Machine)
Mageba System
Car parking system with two horizontal parking places one above the other and raised or lowered for entering and leaving the driving level.

Hoist parkers are particularly economical with only one movable parking place. Two vehicles can then be parked dependent on one another.

mageba sa consulting

MAGEBA SA
Solistrasse 68, CH-8180 Bülach
Tel. 01 860 06 66, Telex 58460

14 km away with millimetre accuracy within seconds



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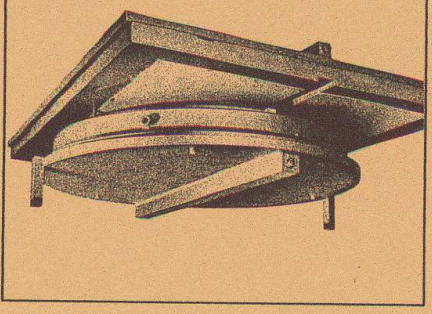

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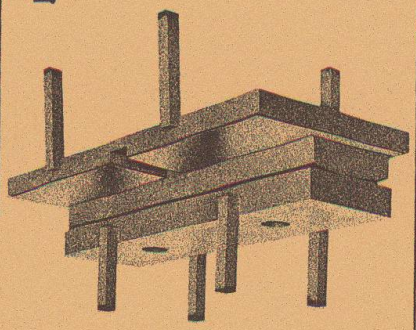

RESTON

LASTO

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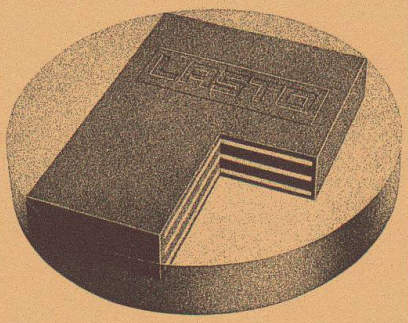

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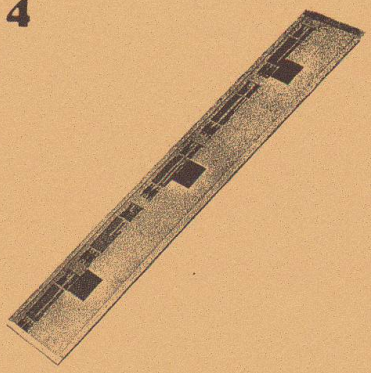

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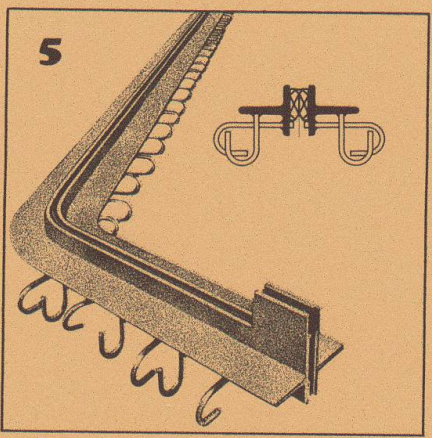
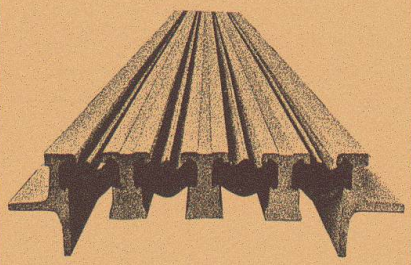


TENSA

6



1

RESTON Pot Sliding Bearings
are highly suitable for installation in bridge structures. They feature a low-profile design, low weight and high loading capacity.

2

RESTON Linear Tilting and Sliding Bearings
are a combination of normal linear tilting bearings and PTFE sliding bearings and are suitable for installation in bridge structures.

3

LASTO-BLOCK Bearings
are suitable for building, civil engineering and bridge construction applications. Their simple form allows easy installation.

4

LASTO-STRIP Bearings for Buildings
were especially developed for building constructions. They are particularly suitable for movement compensation between concrete slabs and load-supporting walls and prevent structural cracking.

5

TENSA-ACME Roadway Construction Joints
are highly suitable for installation in traffic levels (parking lots, bridges, airport areas etc.). Dilatation up to 60 mm.

6

TENSA-LASTIC Roadway Construction Joints
meet all the requirements that can be made in bridge engineering of a modern joint design. They are rugged and watertight. Dilatation range 60 mm and bigger.

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