

Leifers Tunnel (Italy)



Project description

The region around Bozen represents the main traffic artery for the connection to Italy's famous holiday destinations. With around 28.000 frequently passing vehicles, 10 % among them are freight vehicles, the community Leifers decided to launch a new project for its bypass.

The construction plan included the Leifers Tunnel with a length of 2.882 m, initially leading through a 96 m long artificial gallery before finally dousing into the mountain. With new technological features such as the first concrete road surface being a premiere for South Tyrol, the inauguration of the bypass had been celebrated in late 2013.

mageba scope

mageba supplied four TENSA®FINGER cantilever finger joints for the bypass' viaduct. The joints were selected for the requirements of larger movements of up to 500 mm. Their robust steel edge profiles have strong anchor loops for concreting to the main structure, resulting in excellent fatigue resistance.

As the cantilever finger joints also provide the feature of minimising noise emissions - mostly emerging from passing traffic - they had been the perfect product for a bypass in a rural tourism region. Furthermore, this type of joints can readily meet the challenges of snowploughs, which had also been an important aspect for the products' choice.

Highlights & facts

mageba products:

Product: TENSA®FINGER cantilever finger joints
Features: movements up to 500 mm for both asphalt and concrete carriageways
Installation: 2012

Structure:

City: Branzoll-Bozen
Country: Italy
Completed: 2013
Type: City bypass viaduct and tunnel
Contractor: Rottensteiner Heinrich & Co., Klobenstein (IT)

The Leifers Tunnel is located in South Tyrol, the autonomous province in northern Italy.



The new expansion joints are ready for installation.



TENSA®FINGER expansion joints during installation on the viaduct.

