

Steel Finger Joint

Application range

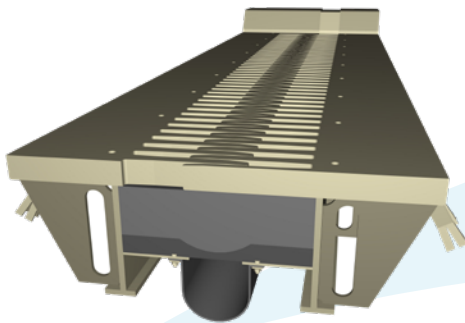
Suitable for a variety of highway bridges

Function

- Supports vertical loads
- Accommodates horizontal movement
- High watertightness

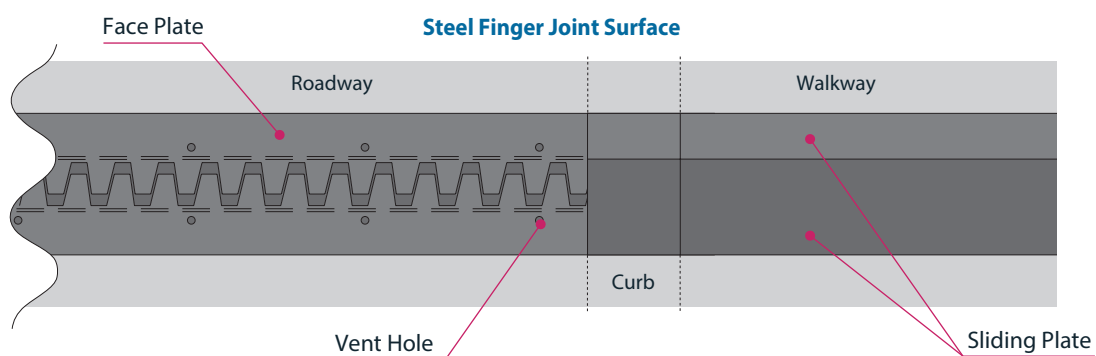
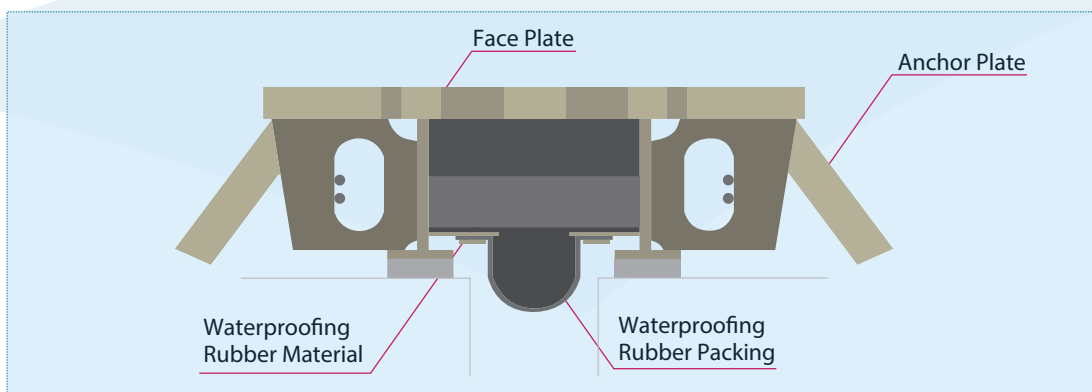


Structure



High Reliability, Quality & Durability

Kawakin has developed its own elastic sealing material with high watertightness and reliable characteristics. Thus our Steel Finger Joints are widely used for highways in Japan for a long time. The comb-shaped face plate offers stable performance. Its embedment to concrete with anchor plates accounts for construction convenience.



The Steel Finger Joint is made from a single piece of plate to maintain its high durability that is crucial in expansion devices. Such a continuous piece improves watertightness as well as durability.

Project References



OIDAIRA VIADUCT in the 2nd Tomei Expressway



KIDOGAWA BRIDGE in the Jyoban Expressway



ASAHINA VIADUCT in the 2nd Tomei Expressway



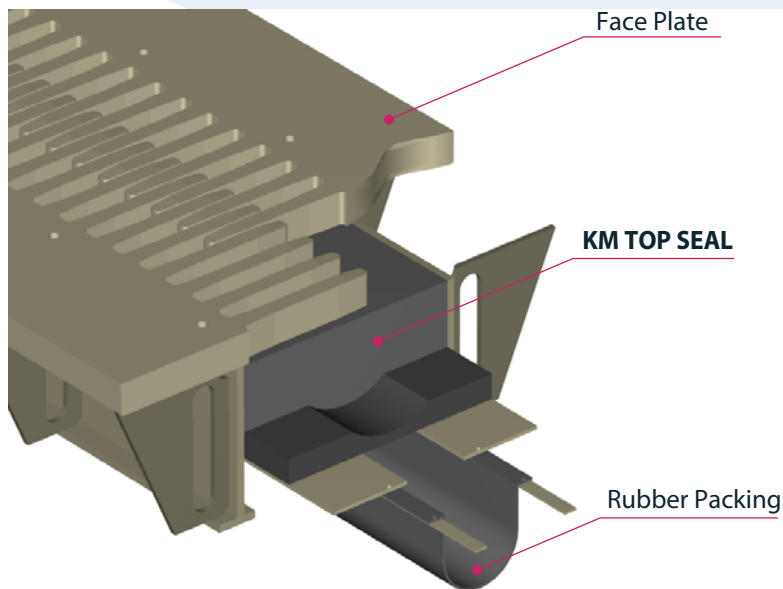
OGAWA 1st BRIDGE in the 2nd Tomei Expressway



NAGATA BRIDGE in the Tokyo Metropolitan

Waterproofing

The waterproofing structure prevents inner corrosion of expansion joints caused by leakage and achieves cost reduction for maintenance. It also reduces cost for cleaning so that its life-cycle cost can be reduced. Kawakin's elastic sealing materials show superior watertightness performance.



Waterproofing Structure

The KM TOP SEAL accommodates large movements with its high elasticity. Its base compound made up of Hydroxyl-terminated polybutadiene and acrylic urethane foam increases durability and weather resistance.

Repeated Compression Test for KM TOP SEAL



*Provided by the Dry-type Waterproofing Material Association



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