

Peene Bridge Wolgast (Germany)



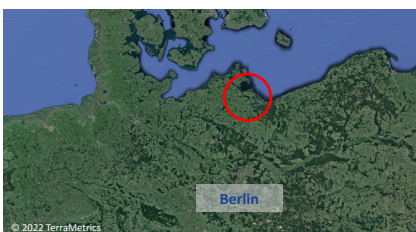
Project description

The Peene Bridge Wolgast is a combined road and rail bascule bridge over the Peene River in Wolgast. It connects the island of Usedom with Wolgast Castle Island, which is connected to the mainland of Western Pomerania via the "Schlossgraben" Bridge and a railroad bridge.

The Peene Bridge is crossed by the federal road 111 and the railroad line Züssow-Wolgast Hafen with its extension to Świnoujście Centrum.

The leaf of the bridge is 19 m wide and 42 m long. The elevated levers equipped with counterweights control the bridge's mechanism and are visible from distance due to their height and dimensions. With the leaf open, the bridge's navigation channel is 30 m wide.

The Peene Bridge is a road and railroad bascule bridge over the Peene River in Wolgast



mageba scope

A total of 24 bearings were designed, manufactured, delivered, partially installed and finally approved by mageba (at that time still under the name "Sollinger Hütte") to support the superstructures on the piers and abutments.

Among the bearings installed are four horizontal force bearings, four longitudinal guide bearings and 16 spherical bearings allowing movement in all directions.

In 2022, a refurbishment project was carried out on the expansion joints.

The existing, worn-out joints were replaced by modern singel gap joints featuring noise-reducing sinus plates as well as TENSA®MAT mat joints supplied by mageba.

In the course of this refurbishment, we also replaced the finger plates at the tip of the leaves.

Installed horizontal force bearing



Highlights & Facts

mageba products:

Type: Horizontal force bearings
Guide bearings
Spherical bearings
TENSA®MAT T160 mat joint
TENSA®GRIP RS-LS 100 „ULTRA“ single gap joint

Installation: 1996 / 2022

Structure:

City: Wolgast
Country: Germany
Type: Bascule bridge / Rolling lift bridge
Completion: 1997
Length: 256 m
Owner: Federal Republic of Germany
Contractor: Land Mecklenburg-Vorpommern
Architect: Oskar Lehmann

New mat expansion joint as installed

