



## PEDESTRIAN BRIDGE AUGARTEN, GRAZ

### AUSTRIA

**Client:** slow steel path spanning 74 m connects the district Augarten with Gries. Two fish-belted concrete spans between concrete embanked shores of the Mur River. The bow-shaped

**Architecture:** upper belt accompanies pedestrians and cyclists whilst they cross the Mur.

DI Arch. Herwig Illmaier

**Span:** many respects the Augarten footbridge is an innovation in bridge construction. Similar to the principle of sailing masts, which can absorb the greatest possible loads with ropes of

**Track width:** minimal diameter, under and over-tension of the main carriers enable small profile

**Construction costs:** dimensions. The primary construction consists of rolled and welded steel profiles, pipes and rods. To support the tension loads, the rods needed welding by special methods, which took

**Planning period:** a full man-day per seam. The load bearing construction was delivered in four pieces and

assembled on land. Then the system was pre-tensioned and transported on a specially

designed transport system to the Mur River by remote control. After placing it onto the concrete foundation, the roadway slabs made of wood plates covered with mastic asphalt were installed.

**Photos:**

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