

# Frankfurt Airport Transportation System

In the course of the expansion of Frankfurt Airport with Terminal 3, as well as other comprehensive infrastructure measures, such as modified and additional connections to the highway, a new passenger transport system (PTS) will also be built between Terminal 2 and Terminal 3.



The passenger transport system (PTS) has a length of approx. 5.4 km and is elevated throughout. Due to the very slim design and the very short intervals between the individual terminals, very high demands were placed on the entire bearing arrangement of the structure.

Spherical bearings with very large twists were designed, manufactured and installed for the entire section. Due to different construction methods (in-situ concrete, semi-precast parts, precast parts, steel girders), all conceivable connections to the structure and the superstructure were also necessary.

Due to the dimensioning according to railroad loads, tension-compression spherical bearings were also required. The engineers from SCHREIBER were able to contribute their entire expertise in the planning of more than 550 bearings. As various sections are located directly in the approach lane of the runways, the installation of the bearings also became very demanding. The operator of the airport has designed the use of the passenger transport system (PTS) for 50 years.

