



**GOLDSCHMIDT**

Smart Rail Solutions



## **GLUED INSULATED RAIL JOINT ETW 1**

**FACTORY ASSEMBLED**

**FOR MAXIMUM RELIABILITY**

The Glued Insulated Rail Joint (IRJ) ETW 1 guarantees electrical separation of a rail section for signal and safety purposes in track. The ETW 1 is a highly resistant joint assembled under factory conditions using high-tech insulation material and fastening components. Thanks to excellent quality the ETW 1 is successfully installed worldwide in heavy haul tracks, in high traffic areas and in different climate conditions for more than 20 years. It is available for most commonly used rail profiles.

# TECHNICAL DATA

## SPECIFICATIONS

- Meets the requirement of ISO 9001, EN 16843 and various national standards
- Electric resistance: min. 30 MΩ
- Usage up to track velocity of 250 km/h
- Available length up to 12 m
- Tested at certified laboratories and universities

## BENEFITS

- Fishplates available in 4- or 6- hole variations
- The design can be adapted to specific customer requirements (length, hole sizes, dimensions, angled cuts, reinforced end-posts etc.)
- Excellent tensile strength, static and dynamic (fatigue) testing results
- Glued IRJ suitable for use with various fastening systems
- Fishplates designed to accommodate different rail profiles (flat bottom and grooved rails)
- Head-hardened and coated Glued IRJs for longer lifespan and corrosion resistance
- Long-term experience with Glued IRJ production, technical and after sales support

## REFERENCE

- Successfully used worldwide for more than 20 years with over 100 000 produced joints
- References from Austria, Czech Republic, Netherlands, Norway, Slovakia, Spain and many more

