



GOLDSCHMIDT

Smart Rail Solutions



THERMIT® SRZ

FAST AND SAFE WELDING

OF GROOVED RAILS

Grooved rails can be connected safely and reliably using the Thermit® process. There is no process that is faster than the Thermit® SRZ welding process. It is ideal for geometrically complex connections combined with grooved rails of all steel types. Thermit® SRZ is largely user-independent and therefore safer when used in rail compared to electric arc welding.

TECHNICAL DATA

FEATURES

- Rapid welding process for grooved rails
- Standard gap widths of 24 mm to 26 mm
- Renewal of old welds or rectifying major rail defects with process modification L75 (gap widths of 65 mm to 75 mm), meaning that a replacement rail is not required
- For all grades of steel in the hardness range between 200-420 HB, including head-hardened
- The Thermit® SRZ L50 process variant is suitable for grooved/flat-bottom transition welds, compression of the grooved rail for height adjustment is not required
- The Thermit® SRE process is used for welds in switches and crossings and their connections to the grooved rail track, for cast common crossing joints into the track, and for duplex and triplex welds executed due to pre-located tongues

BENEFITS

- Reliable in execution, high quality and productivity
- Cost-effective even with increasingly complex applications
- Luting possible with sand or paste

CERTIFICATIONS/APPROVALS

The Thermit® SRZ welding process has been used worldwide for years and is proven over time. The process is certified in accordance with EN 16771. Many railway and transport companies use this welding process.

