



GOLDSCHMIDT

Smart Rail Solutions



***THERMIT*[®] HEAD REPAIR**

ORIGINAL THERMIT[®] REPAIR

WELD FOR FLAT-BOTTOM RAILS

Thermit[®] Head Repair is ideal for rectifying faults on the running surface of flat-bottom rails of various profiles. Depending on the severity of the defect, it may be necessary to remove the relevant sections and install replacement rails. However, squats, indentations, spalling and wheel burns can be repaired with our repair weld process.

TECHNICAL DATA

FEATURES

- Repair of the rail head, and therefore only minor amendments to the track system
- No need to separate the rail, therefore no change made to the distortion state – so further neutralization of the track is not required
- Stability of the rail web and rail foot remain unaffected
- The excavation geometry corresponds to a segment of a circle with a length of max. 75 mm and depth of 25 mm (at excavation center)
- Short preheating
- Use with the single use crucible
- Bending and fatigue tests show values in the same region as with the original rail

BENEFITS

- Quick rectification of rail faults with less effort
- Simple to use, an extremely reliable process, and excellent repair weld quality
- A quality, user-independent, and therefore cost-effective alternative to classic arc repair welding
- Can be safely mastered in only 2 days as an upgrade for Thermit® Head Repair by trained Thermit® welders

