GOLDSCHMIDT
Smart Rail Solutions

THERMIT® SRZ(EN)

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(EN) welding process. It is ideal for geometrically complex connections of grooved rails of all steel grades. Thermit® SRZ(EN) is largely independent of operator skill, and therefore safer than electric arc welding for joining rail.

TECHNICAL DATA

FEATURES

- Short fixed preheating time (max. 6 minutes)
- For a safe execution of the preheating process and thus a high quality of the Thermit® welding, preheating with Smartweld Jet is recommended
- For all grades of steel in the hardness range between 200-420 HB, including head-hardened
- Standard gap widths of 24 mm to 26mm

PROCESS MODIFICATIONS

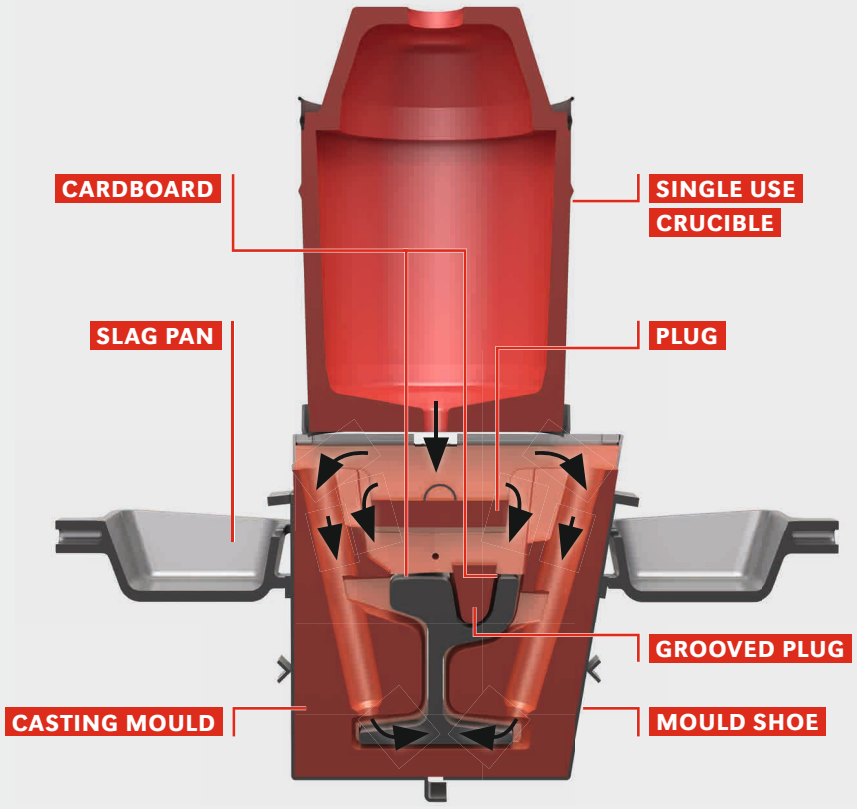
- Renewal of old welds or rectifying major rail defects with process modification Thermit® SRZ L75 (gap widths of 65 mm to 75 mm), meaning that a replacement rail is not required
- The Thermit® SRZ L50 grooved/flat-bottom rail process variant is suitable for grooved/flat-bottom transition welds, compression of the grooved rail for height adjustment is not required
- The Thermit® SRE process is recommended 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

The Thermit® SRZ(EN) process is certified according to EN 16771 for all standardised rail steel grades. Thermit® SRZ(EN) is also suitable for other applications, i.e. for all rail steel grades not listed in the EN 16771 standard.



Central pouring/combined casting system

ORIGINAL • THERMIT
SINCE 1895

GOLDSCHMIDT
Smart Rail Solutions

www.goldschmidt.com