

2.75 INCH WIDE GAP WELD

THERMIT® WELDING PROCESS

The THERMIT® wide gap welding process is designed to allow isolated rail defects, defective Aluminothermic welds, defective flash butt welds or ultrasonically detected rail defects to be removed from track without the need to install a new length of rail and two conventional 1 inch gap welds, leading to significant savings in both time and costs.

RELIABLE AND ROBUST

2.75 inch wide gap welding process is used with the degradable crucible system. 2.75 inch wide gap welds can prevent the use of a plug rail length and 2 standard 1 inch gap welds when a rail defect needs to be removed, or can reduce a large change of rail neutral temperature when a broken rail can be welded without heating or pulling.

RAIL JOINING

RAIL SERVICES

MEASUREMENT

TOOLS & MACHINES

EQUIPMENT

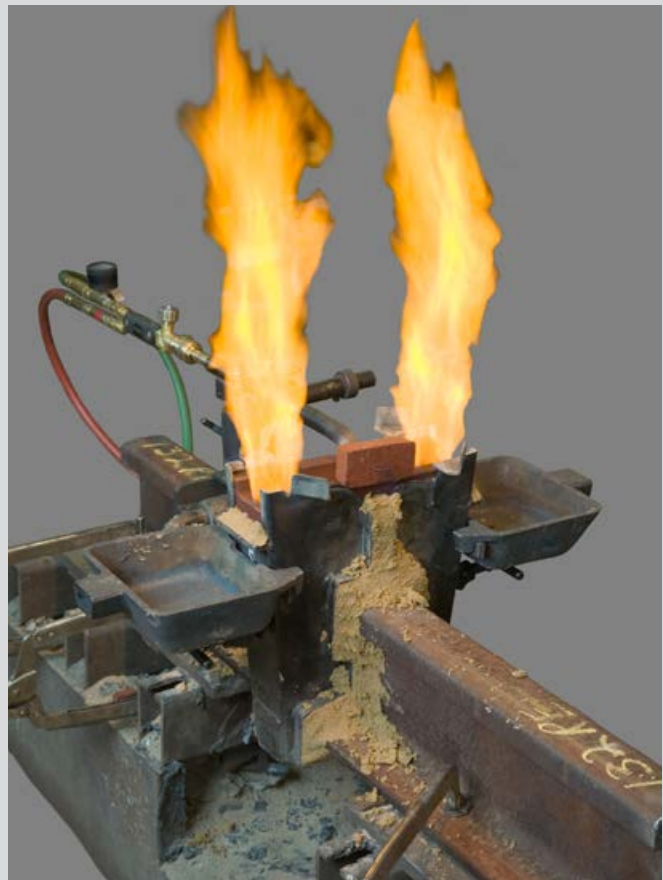
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OVERVIEW OF 2.75 INCH WIDE GAP WELDING PROCESS

Feature	Function	Benefit
Designed for AREMA standard, intermediate strength and high strength steel rails	Reliable welding process similar to the 1 inch gap welding process that minimizes welder training period	No need to install a plug rail and two conventional 1 inch gap welds
Longitudinal down riser pouring system for symmetrical fusion and maximum freedom from defects	Guarantees extremely stable weld metal chemistry	Reduced track maintenance downtime
Available for 2.75 inch gap welding process with the degradable crucible system	Additional tools required include: 2.75 inch wide gap mold shoes, wide gap bottom slab tray, oversize slag pans, 2.75 inch wide gap gauge and wide gap demolding tool	Significant savings on labor, installation and material costs



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