



Rail
manufacturing



Continuously
welded track



Transition
points



Insulated
joints

Stationary Welding Services

Technical Datasheet

vossloh
enabling green mobility



Benefits

Everything under one roof:

- / Stationary services
- / Trade of rails
- / Manufacturing of customized lengths
- / Milling of new rails
- / Rail storage
- / Transition joints / transition rails
- / Transport and logistics services

Rails made exactly to measure!

In our 4 welding plants, we store rails in the common profiles and in both head-hardened and standard-grade quality. Our prefabricated lengths, which are made as per customer specification and accurate to the centimeter, ensure that waste in the form of off-cuts is minimized. Our web-based inventory control system optimizes production and delivery phases. Every year, we use flash-butt welding to manufacture over 3,000 km of long rails up to 300 meters in length to exact specifications. We deliver the highest quality in terms of geometry, metallurgy and load-bearing capacity because we employ the most modern measuring, alignment and milling technology. We manufacture profile transition joints and insulated joints for all the standard rail profiles. And we remove the mill-scale or "de-decarburized layer" for our factory-milled new rails, which significantly delays the formation of the corrugations and rail wear that results from operational use.

Applications

Standards:

- / Work in the plants is carried out according to DBS 918 254-1
- / Manufacturer Product Qualification for flash-butt welding, ISO joints and transition joints as per DBS 918 255-1, DBS 918 256, EN 14587-1 and EN 16273
- / Q1 qualification to deliver direct to DB

Approvals:

- / Germany welding, forging, milling and insulated joints
- / Finland for welding, forging and insulated joints
- / Denmark for welding, forging and insulated joints
- / France for welding, forging and milling
- / The Netherlands for welding and milling
- / Switzerland for welding
- / Great Britain for insulated joints
- / Sweden for transition joints



Rail welding plants

Technical Data

3 rail welding plants in Germany: Hamburg, Leipzig & Nuremberg

Long welded rails up to 180 meters

Storage area for all profiles

Assembling of rail plans

Just-in-time delivery of rails to construction sites

Manufacture of insulated joints and transition joints

Machining of new rails (mill scale removal) ex works

Rail trading at the German and Finnish plants

Trading of the most common rail profiles 49 E5, 54 E1, 54 E4, 60 E1 and 60 E2, directly from our plants

Other profiles available on request

Access to different rail profiles in head-hardened (R350) and standard-grade quality (R260)

Services on individual rails

Customized lengths available as per customer requirements (customized lengths)

Storage for key account customers: rails can be stored on our premises if desired

We organize transport and deliver rails to the construction site, which includes unloading

Transport and logistics (by rail or truck)

New rails can be milled at the Nuremberg and Hamburg plants

Manufacture of insulated joints and transition joints

Just-in-time deliveries to construction site

Customers of the German and Finnish plants

Rail manufacturers

National railways

Steel companies

Distributors

Companies

Ports

Plant in Finland: Kaipainen

Long welded rails of up to 150 meters

Storage for all profiles 60 E1, 54 E1 in R260 and R350 as well as grooved rails

Pre-production for switch construction

Manufacture of insulated joints and transition joints

Emergency service for replacement superstructure parts

Special services

Reconditioning

Rail bending

Just-in-time deliveries to construction site



