



V-Freight

A full range of solutions for heavy haul
and high-density traffic turnouts

vossloh
enabling green mobility

Vossloh a world leader in turnouts for all your heavy haul railway projects

Vossloh has worldwide experience in heavy haul design and construction of turnouts mastering AREMA, AS & EN standards. Our teams provide turnouts adapted for up to 42 axle loads, enabling a maximum speed of up to 80 km/h. Vossloh has references in severe and vast environmental conditions.

An advanced technology to meet the most extreme conditions



Australia: Axle load 32.5 – 42 T



Norway: Axle load 30 – 42 T



Adapted to rail temperature range 50°C > + 70°C



Resistant to extreme environmental conditions such as sand, snow, storms



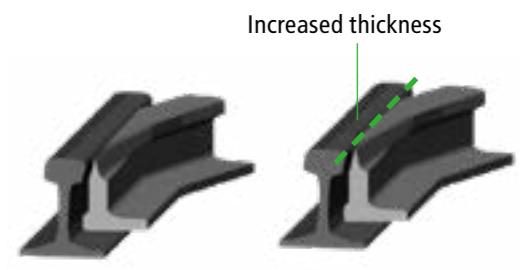
Mauritania: Axle load 32 T

The heavy-haul transportation market is growing rapidly. For decades, Vossloh has supplied points and crossings to all types of networks, regardless of environmental conditions, designed for high density traffic.

Proven and appropriate technical solutions for extreme heavy haul railway networks

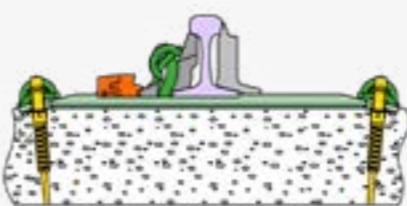
Vossloh technical solutions for heavy haul

- › Pre-hardening by explosion of cast manganese crossings
- › Rails : 136 RE TW profile, heat-treated rails R350HT, R370CrHT
- › Integrated single drive point machine for crossing
- › Tangent 1/20 with swing nose crossing
- › Heavy Haul rail fastening system
- › Swing nose crossings designed for heavy haul
 - › with integrated drive device
 - › free lubrication slide plates

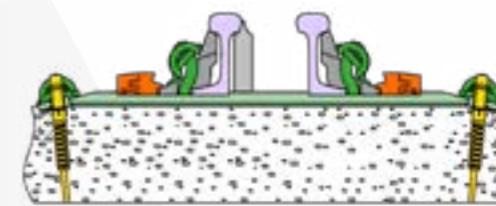


Standard switch rail

Switch Tip Embedding



Reinforced switch



Swing nose crossing with W30HH



Crossing with Vossloh W30 HH fastening system



Crossing with Vossloh W30 HH fastening system

- › reduction of maintenance costs by permanent elastic tensioning of the rail with tension clamps
- › Vossloh technology ensures reliable and safe turnouts for high density traffic and improve LCC of heavy loaded track.

Up to 50% Savings on Life Cycle Cost

To increase the service life of equipment, Vossloh recommends the use of swing nose crossings, adapted to heavy load traffic.

References

Australia, Brazil, Eurotunnel, Finland, Guinea, Guyana, India, Malaysia, Mauritania, North America, Norway, Saudi Arabia, Sweden, UAE...



Vossloh Switch Systems
23 rue François Jacob
92500 Rueil-Malmaison Cedex France
info@vossloh.com
vossloh.com