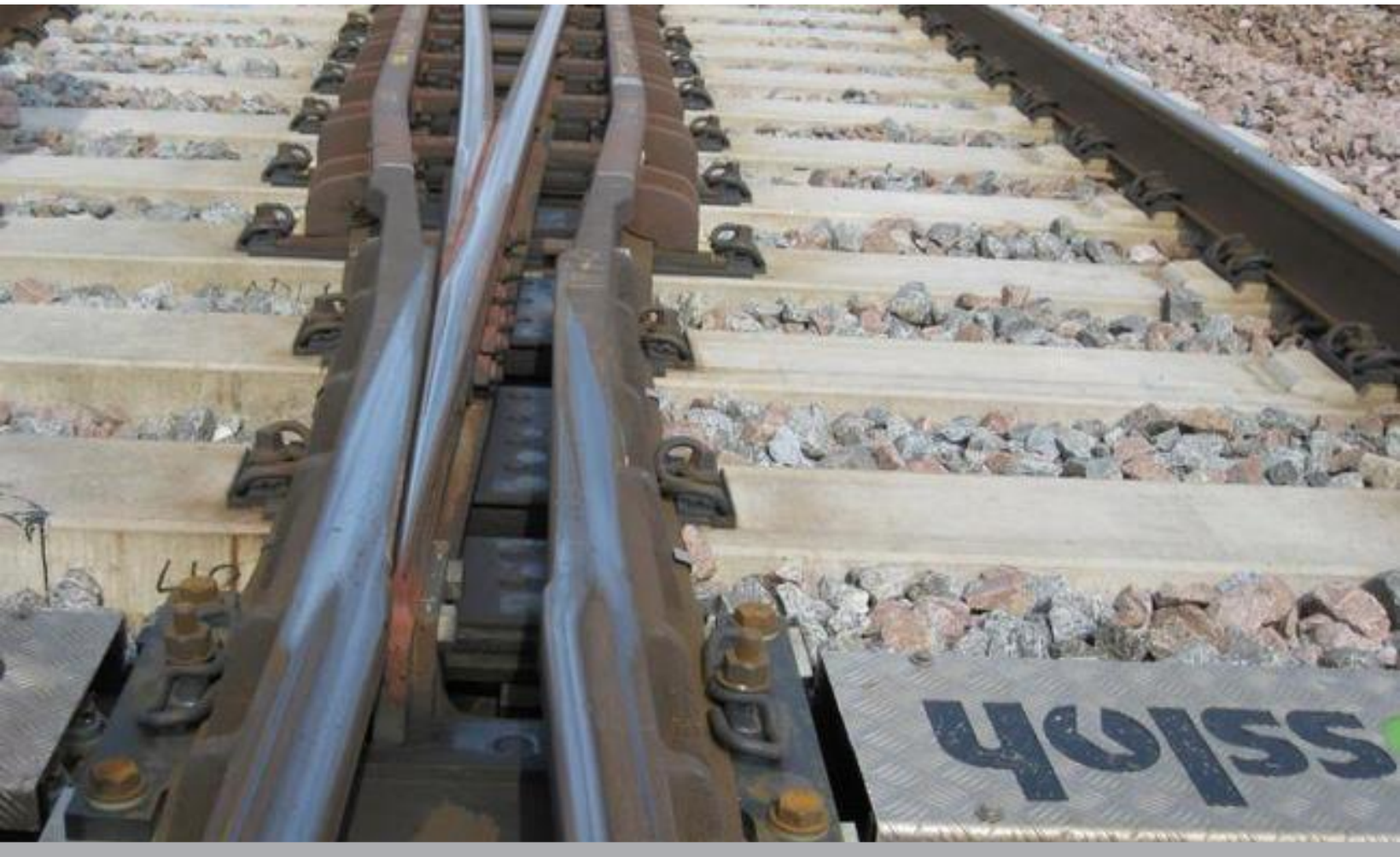


Swing nose crossing

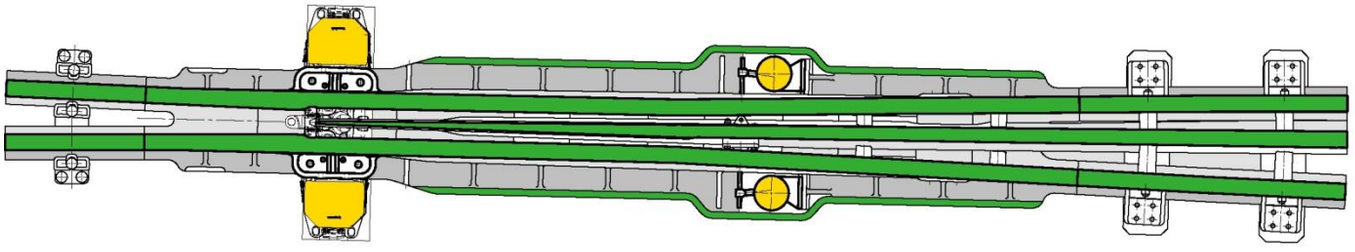
The manganese monobloc cradle

The manganese monobloc cradle

Vossloh Cogifer offers state-of-the-art technology for higher-performance turnouts

▶ A monobloc cradle made exclusively of cast manganese steel

This technology, which has been developed by Vossloh Cogifer, allows trains to run on direct track at 350 km/h at commercial speed and up to 230 km/h in diverging track, with perfect running table continuity in complete safety.
The technology is also suitable for heavy loads (> 32 tonnes/axle).

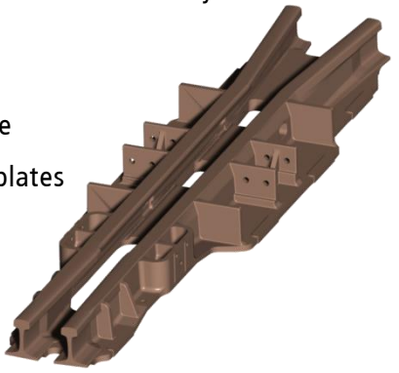


The swing nose crossing uses a single monobloc cradle made from cast manganese steel onto which both the welded leg of the rails and wing rails are welded.

This system is the only one to offer the advantage of having a monobloc part inside the crossing nose and load transfer zone.

ADVANTAGES

- Cast manganese steel properties: cast manganese steel running table, which is naturally hardened to 350/450 HB after burn-in
- Easy integration of locking and detection systems
- Precision levels obtained by monobloc technology: machining in a single phase
- Possibility of using "no lubrication" system by adding self-lubricating sliding plates
- Possibility of inclining running surfaces thanks to the use of a cast design
- Passenger safety and comfort are improved by optimised wheel transfer
- Several wheel types can be used
- Reduced maintenance and prolonged service life



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