

Fit End Restraint Plate

Scope

Includes: Timber sleepers and bearers
Excludes: Concrete sleepers and bearers

Preparation

Tools, equipment and plant items required but not limited to:

- Shovel
- Box Spanner
- Timber/Sleeper Drill
- Bars
- Ballast compaction tool

Work planning considerations:

- Number and location of end plates
- Weather conditions
- Rail temperature
- Condition of sleeper/timber
- Alignment survey
- Depth of ballast

Method

For conventional end restraints

1. Ensure that the alignment is good.
2. Expose the end of the timber or sleeper and open out to depth of lateral end restraint plate + 25mm.
3. Position lateral end restraint plate centrally on the timber or sleeper end ensuring the inside vertical face is flush with the timber or sleeper end.
4. Drill holes and fix plate to timber or sleeper with correct coach screws.
5. Check coach screws are tight and the vertical face of the lateral end restraint plate is flush with the end of the timber or sleeper.
6. Backfill ballast against plate and timber or sleeper and consolidate.
7. Reinstate the correct ballast profile.
8. Remove waste and materials from site.

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For Vossloh Sleeper Anchor SN

9. Ensure that the alignment is good.
10. Ensure correct componentry for sleeper type
11. Install in accordance with Vossloh Fastening Systems Sleeper Anchor SN Installation Manual.
12. Reinstate correct ballast profile
13. Remove waste and materials from site

References

Supports Ellipse Standard job

- 009100 S&C – Fit End Restraint Plate
- 009211 Track - PL – Fit End Restraint Plate

If applicable refer to the following directly associated documents:

- NR/SP/TRK/001 – Inspection and Maintenance of Permanent Way
- NR/SP/TRK/0011 – Continuously Welded Rail (CWR) Track
- NR/L3/TRK/002/G10 S&C, Manual Alignment
- NR/L3/TRK/002/F18 Track – PL – Manual Slueing
- NR/GN/TRK/7001/TWI2S038 How to install end plates

- Risk Control Sheets:
 - NR/L3/MTC/0002/TK000 Generic Track Risks
 - NR/L3/MTC/0002/TK201 Fit end restraint plates

009100 S&C – Fit End Restraint Plate