

Turning of Rails Within Jointed Track

Scope

Includes:
Excludes:

Preparation

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

- Clipping and declipping equipment
- Sluing and turning bars
- Spanners
- Lubricating oil
- Pads and nylons
- Shovels

Work planning considerations:

- Electrification requirements
- Plant access

Method

1. S&T/OHL or M&EE staff will remove any bonds if required
2. Remove any rail anchors
3. Remove fishplates and unclip, using the correct tools
4. The rail will be removed from its housing using sluing and/or turning bars
5. The rail will be turned either by using rail-turning bars and sluing bars or by a road rail machine, working to the ES's instructions. Rail must have sufficient lifting points to distribute weight evenly and avoid crippling the rail.
6. The COSS/ES must ensure that all staff are fully aware at all times of any rail movements and the direction of the moves
7. Before replacing the rails all housings should be checked for obstructions i.e. ballast, rail pads or nylons. All pads and nylons should be renewed. The rails should be correctly seated and the rail expansion gaps set before they are fastened down
8. Care should be taken that the correct fishplates are fitted so that the rail ends are vertically and horizontally aligned
9. Non insulated joints should be oiled
10. The rail ends meeting up at the new joints must not have sidewear readings that vary by more than 3 when measured on a stepped side wear
11. Check new running edge for any lipping and remove as required.
12. When the work is complete the COSS/ES must inspect the work to check that all rail(s) are correctly seated, fastened and that all fishplates are fitting

Turning of Rails Within Jointed Track

correctly

13. S&T to replace any bonds or track-ends.
14. Site must be left clean and tidy.

References

Supports Ellipse Standard job

- 009064 Track – Jointed rail – Transpose/turn

If applicable refer to the following associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
- NR/WI/TRK/001 Track Inspection Handbook
- NR/GN/TRK/7001/TWI2P010 How to move rail
- NR/GN/TRK/7001/TWI2P029 How to change a rail in jointed track (plain line)

- Risk Control Sheets
- NR/L3/MTC/0002/TK000 Generic Track Risks