

Technical Specification

T0426 Track: Check rail blocks and and junctionwork blocks

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1 Purpose

The purpose of this technical specification is to specify the requirements for the material and manufacture of check rail blocks and junctionwork blocks.

2 Scope

This technical specification applies to the material and manufacture of check rail blocks and junctionwork blocks for use with 56E1 and 95RBH track configurations.

3 Requirements

3.1 General

- 3.1.1 Blocks for check rails and junctionwork shall be manufactured from spheroidal graphite (SG) iron in accordance with EN 1563 or grade EN-GJL-250 grey cast iron in accordance with EN 1561. The material will be stipulated by LU at the time of ordering.
- 3.1.2 Blocks shall conform to the design and performance criteria in accordance with S1157.
- 3.1.3 The drawings referenced in the following clauses cover most of the blocks used by LU. Where blocks are required for a site-specific purpose or in limited quantities LU will provide details at the time of ordering.

3.2 Blocks for 56E1 flat bottom rail

3.2.1 Check rails – 33C1

Where check rails consist of 33C1 rail, check rail blocks are not required.

3.2.2 Cover check rails – 56E1

Blocks for cover check rails shall be manufactured in accordance with drawing RE/PW/613 or RE/PW/737.

3.2.3 Common and obtuse crossings

- 3.2.3.1 Neck, middle, wing, nose and flangeway blocks for vertical common and obtuse crossings shall be manufactured in accordance with drawing RE/PW/618.
- 3.2.3.2 Blocks for 1 in 3, 1 in 3½ and 1 in 4 vertical common and obtuse crossings shall be manufactured in accordance with drawing P52589.
- 3.2.3.3 Universal blocks used as an alternative to wing blocks in common crossings and flangeway blocks in obtuse crossings shall be manufactured in accordance with drawing RE/PW/737.
- 3.2.3.4 Nose, middle and wing blocks for vertical part welded common crossings shall be manufactured in accordance with drawing RE/PW/671.
- 3.2.3.5 Blocks for vertical common crossings including 1 in 3½ shall be manufactured in accordance with drawing P45879.
- 3.2.3.6 Spacing blocks for use with 1 in 24 and 1 in 28 cast AMS common crossings shall be manufactured in accordance with RE/PW/755.