

Ref:	NR/L2/TRK/6100/mod01
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

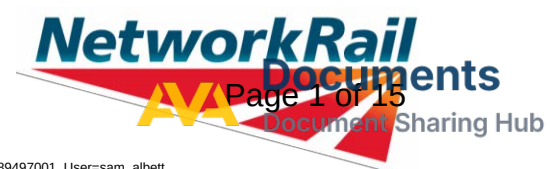
Glossary of Stretcher Bar Terminology

This document is the property of Network Rail. It shall not be reproduced in whole or part nor disclosed to a third party without the written permission of Network Rail.

© Copyright 2014 Network Rail.

Uncontrolled copy once printed from its electronic source.

Published and Issued by Network Rail, Kings Place, 90 York Way, London. N1 9AG.



Ref:	NR/L2/TRK/6100/mod01
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

Issue record

Issue	Date	Comments
1	March 2015	First Issue

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 07 March 2015.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 3 (Option Selection) to continue to comply with the issue of any relevant Network Rail standards current when GRIP Stage 3 was completed and not to comply with requirements contained herein, unless stipulated otherwise in the scope of this standard.

Reference documentation

TEF 3015

NR/L2/TRK/001/mod2

NR/L2/TRK/001/mod19

Disclaimer

In issuing this document for its stated purpose, Network Rail makes no warranties, express or implied, that compliance with all or any documents it issues is sufficient on its own to ensure safe systems of work or operation. Users are reminded of their own duties under health and safety legislation.

Supply

Copies of documents are available electronically, within Network Rail's organisation. Hard copies of this document may be available to Network Rail people on request to the relevant controlled publication distributor. Other organisations may obtain copies of this document from an approved supplier.

Ref:	NR/L2/TRK/6100/mod01
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

Contents

1 Terminology	4
Figure 1 – S&C layout	4
Figure 2 – Adjustable Stretcher Bar Assembly	4
Figure 3 – Example of contra flexure lead	5
Figure 4 – Convex shim	6
Figure 5 – Example of deep bracket	6
Figure 6 – Example of double slip	7
Figure 7 – Fixed stretcher bar assembly and goose neck insulation (circled)	7
Figure 9 – Fractured adjustable stretcher bar bracket	8
Figure 10 – Point Machine Lock Stretcher Bar	10
Figure 11 – A motion unit	10
Figure 12 – Example of a similar flexure layout	12
Figure 13 – Example of a slip switch	12
Figure 14 – Example of a switch diamond	13
Figure 15 – Examples of tapered shims	14
Figure 16 – Examples of torque prevailing nuts	14
Figure 17 – Tubular Stretcher Bar Assembly	15

Ref:	NR/L2/TRK/6100/mod01
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1 Terminology

For the purpose of this standard, the following terms and definitions apply.

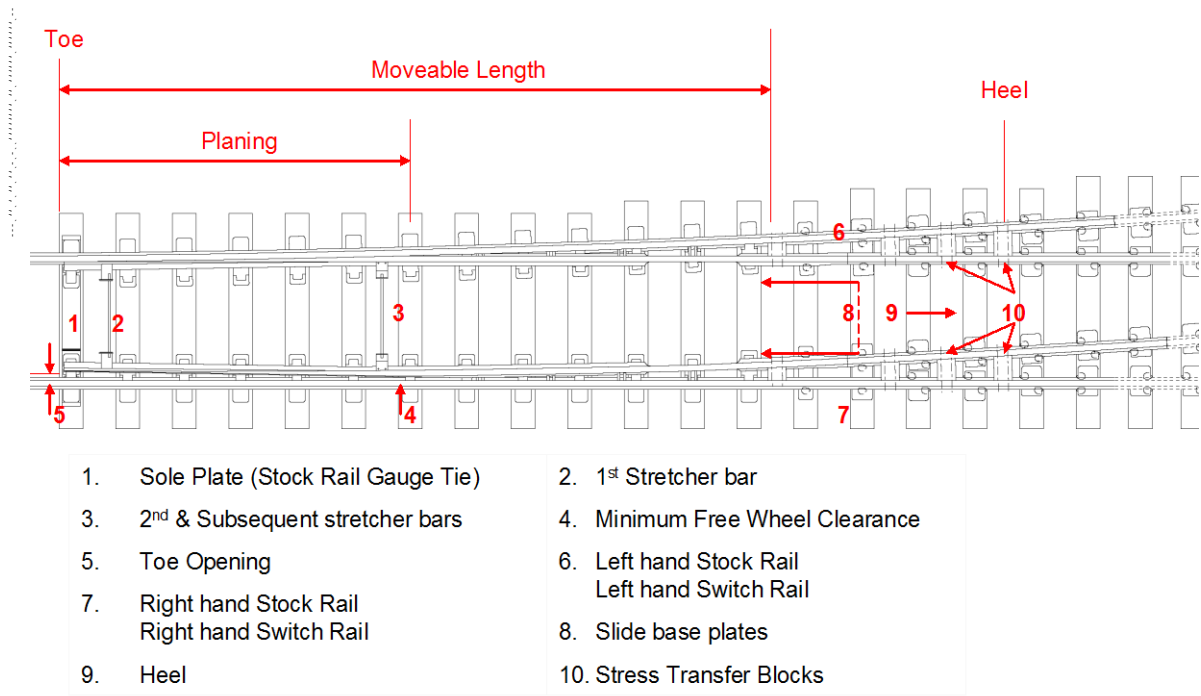


Figure 1 – S&C layout

Adjustable stretcher bar assembly

A 35mm square sectioned bar, threaded at each end, fitted with rubber bushes and secured to fixing brackets with M30 lock-nuts.



Figure 2 – Adjustable Stretcher Bar Assembly

Ref:	NR/L2/TRK/6100/mod01
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

Angled fixed stretcher bar bracket

This is a non-standard fixed stretcher bar bracket where the face of the bracket is not manufactured at a right angle to the plane of the stretcher bar.

These brackets are coloured red, grey, white or black.

NOTE Angled fixed stretcher bar brackets have now been superseded on all new installations by tapered shims.

Broken

The connection to the switch rail has broken if the bracket/motion unit is in two separate pieces.

CEN54E1A1

The current designation of the shallow depth switch rails used in shallow depth vertical S&C, formerly know as UIC54B.

CEN56

Full depth flat bottom rail section.

NOTE an imperial equivalent of this section is BS113A. These can be identified by "56E1" and "113A" relief branding marks on the rail webs respectively.

CEN60

A family of rail sections used in RT60 & NR60 S&C.

Complete renewal of switches

Renewal of both half sets of switches, with new bearers through the moveable length of the switch.

Contra flexure

A layout where the through-route is sharper than 5000m radius and the turnout radius is opposite hand to the through route (that is on the outside of the curve).

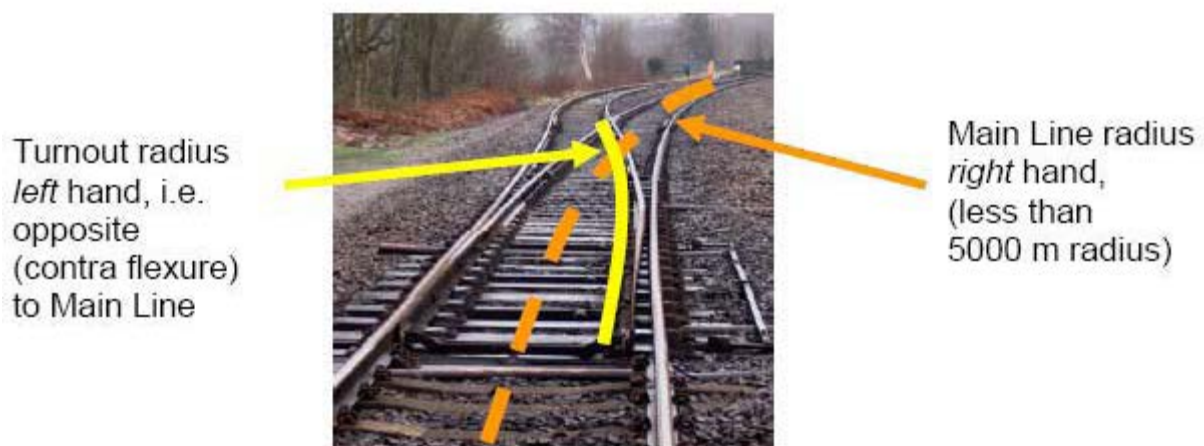


Figure 3 – Example of contra flexure lead