

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

Stretcher Bar Equipment Catalogue

~~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/mod09
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/mod02

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/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

Contents

1 Tubular stretcher bars	5
1.1 Motion units fitted to full depth rail sections	5
1.2 Motion units fitted to shallow depth rail sections	6
1.3 Tubular stretcher bars and motion units required for RCPL fitted to full depth CEN56 (BS113A)	7
1.4 Tubular stretcher bars and motion units required for Non RCPL fitted to full depth CEN56 (BS113A)	8
1.5 Tubular stretcher bars and motion units required for RCPL fitted to shallow depth UIC54B	9
1.6 Tubular stretcher bars and motion units required for non-RCPL fitted to shallow depth UIC54B	10
1.7 Tubular stretcher bars and motion units required for RT60	11
1.8 Tubular stretcher bars and motion units required for full depth switch diamonds – all types of points operating equipment	12
1.9 Tubular stretcher bars and motion units required for shallow depth switch diamonds – all types of points operating equipment	12
1.10 Tubular stretcher bars and motion units required for inclined rail	13
1.11 Tubular stretcher bar complete assemblies	14
1.12 Tubular stretcher bars - tube assemblies only	15
1.13 Tubular stretcher bar fastenings	15
1.14 Supplementary drive connections	16
1.15 Supplementary detector kits	16
1.16 Kicking strap	16
1.17 Other components	17
1.18 Tubular stretcher bar tooling	17
2 Fixed stretcher bars	18
2.1 Stretcher bar to switch rail connection	18
2.2 Stretcher bar bracket to stretcher bar connections	18
2.3 Fixed stretcher bar tooling	20
3 Adjustable stretcher bars	21
3.1 Hardlock nuts	21
3.2 Shallow depth adjustable stretcher bar fastenings	21
3.3 Lubricant for adjustable stretcher bar threads (when required)	21

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

3.4 Adjustable stretcher bar tooling	21
3.5 MGL pin tooling	21
3.6 Adjustable stretcher bars and brackets	22
4 General S&C Tools	28

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1 Tubular stretcher bars

1.1 Motion units fitted to full depth rail sections

Colour	Used	Cat No
<p>Yellow</p> 	At all positions on full depth rail sections	057/073229 Containing all fastenings and insulations

Colour	Used	Cat No
<p>White</p> 	Full depth clamp lock front stretcher bar position only	057/073230 Containing all fastenings and insulations

Copyright Network Rail

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1.2 Motion units fitted to shallow depth rail sections

Colour	Used On	Cat No
<p>Red</p> 	<p>Shallow depth web mounted</p> <p>and</p> <p>All positions for RT60</p>	<p>057/073231</p> <p>Containing all fastenings and insulations</p>
<p>Pair of spacer blocks for use with red motion unit</p>	<p>Shallow depth web mounted</p>	<p>057/073249</p>

Colour	Used On	Cat No
<p>Orange</p> 	<p>Shallow depth foot mounted</p>	<p>057/073232</p> <p>Containing all fastenings and insulations</p>

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1.3 Tubular stretcher bars and motion units required for RCPL fitted to full depth CEN56 (BS113A)

Switch	Position 1		Position 2	
AV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit
BV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3	
CV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4	
DV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit
EV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4		Position 5	
FV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4		Position 5		Position 6	
SGV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit
GV	Offset Front 1 Red Stripe	White Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1.4 Tubular stretcher bars and motion units required for Non RCPL fitted to full depth CEN56 (BS113A)

Switch	Position 1		Position 2	
AV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit
BV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3	
CV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4	
DV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit
EV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4		Position 5	
FV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4		Position 5		Position 6	
SGV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit
GV	Front 1 Black Stripe	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit	Long 2 Stripes	Yellow Motion Unit

Ref:	NR/L2/TRK/6100/mod09
Issue:	1
Date:	07 March 2015
Compliance date:	07 March 2015

1.5 Tubular stretcher bars and motion units required for RCPL fitted to shallow depth UIC54B

Switch	Position 1		Position 2	
AVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit
BVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit
CVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit
DVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit

Switch	Position 1		Position 2		Position 3	
EVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit
FVS	Front 1 Red Stripe	Red Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit

Switch	Position 1		Position 2		Position 3		Position 4		Position 5	
SGVS	Front 1 Red Stripe	Red Motion Unit	Medium 3 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit
GVS	Front 1 Red Stripe	Red Motion Unit	Medium 3 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit	Long 2 Stripes	Orange Motion Unit