AUSTRALIAN RAIL TRACK CORPORATION LTD

Engineering (Track & Civil) Instruction	ETI-04-01

Ballast Regulator Blade Cut Out Details for 'Fastclip' Fastenings

Applicability

ARTC Network Wide	✓	Western Jurisdiction		New South Wales		Victoria	

Audience	Main Points	Change History
Corridor/Delivery Managers Team Managers/Maintenance Supervisors/Area Coordinators Work Group Leaders Project/Delivery Engineers Engineering Compliance Managers	Special cut-outs required for Ballast regulators	Amended version of Civil Eng Instruction A0106 (RIC CTN 01/06)

Pandrol Fastclip is an approved product which may be used with concrete sleepers.

It is recommended that installation procedures should be in accordance with the Pandrol Fastclip "Track Installation Guide" supplied by Pandrol Australia. Copies of the guide are available from Pandrol Australia Pty Ltd.   Telephone: 02 9852 2500   Fax: 02 9671 7875
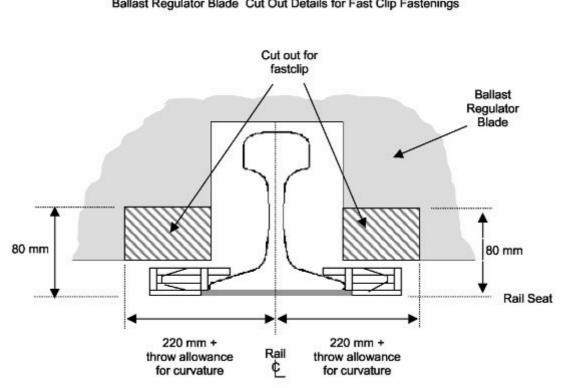
A key point from the guide includes the need for ballast regulator blades need to be checked to ensure that they will not hit the fastening assembly (the Fastclip assembly is wider than conventional Pandrol clips and shoulders).

- The blade needs to be cutout to give a clear area, **80mm min**. above the rail seat and **220mm min.** either side of the rail centre line (see attached figure).

- An allowance needs to be added to the cutout to account for the throw of the regulator blade arising from curvature of the track. This will be different for different regulator designs.

- It is important to monitor the build up and feed through the cut out while regulating and ensure the appropriate speed is maintained. It is also critical to make sure there is no jewellery laying on the track while regulating.

Note: There will also be a difference in the cutout required for different rail sizes. If the blade is setup for 60kg/m rail an additional 13mm will need to be cut out to allow for its use with 53kg/m rail.

Issued by	Date
John Cowie, Manager Standards	08 May 2007

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Ballast Regulator Blade Cut Out Details for Fast Clip Fastenings

Cut out for fastclip

Ballast Regulator Blade

80 mm

80 mm

Rail Seat

220 mm +
throw allowance
for curvature

Rail
C̶L

220 mm +
throw allowance
for curvature