

# Product Type Approval Certificate

## Full


This certificate is issued to:

<b>Supplier name and address:</b>	Sydney Trains Level 4, 146-148 Manchester Road, Auburn NSW
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In respect of:

<b>Manufacturer:</b>	Sydney Trains (through S&CS ESI)
<b>Place of manufacture:</b>	Sydney, Australia
<b>Product description:</b>	Torsion Bar Backdrive (revised design)
<b>Use approved for:</b>	In-bearer Spherolock points (EP and 84M)
<b>Conditions of approval:</b>	<ul style="list-style-type: none"><li>The revised design is to incorporate the angled cover which closes the gap between the top cover and the outer edge of the baseplate (the initial design, that excludes the cover is not permitted by this certificate)</li><li>The <i>Points Backdrive Maintenance Manual</i> is to incorporate the new torsion bar backdrive assembly as approved by this certificate</li></ul>
<b>Limitations:</b>	<ul style="list-style-type: none"><li>Applicable only on Sydney Trains network</li><li>Not applicable for Claw Lock, M3A or any point arrangements other than that permitted by this certificate</li></ul>

## Evaluating rail transport operator

<b>Name:</b>	Peter McGregor
<b>Position:</b>	Lead Signals and Control Systems Engineer, Asset Standards Authority, Transport for NSW
<b>Signature:</b>	
<b>Date:</b>	08-07-2020

**Product approval pack reference number:** fA1303046