



## Vortok Telescopic and Fixed Safety Barrier Assembly instructions

### Separates people from Train Movements

Quick & easy installation without tools or equipment.

Fits all AC, DC and non-electrified track.

**Attention: At conductor rail sites do not assemble, disassemble or move during heavy rain or when equipment is very wet.**

**Do not fit barrier where it may interfere with movable parts such as switch blades or signal rodding.**

**Ensure that the rail clamp is not placed on the rail in the vicinity of an IBJ.**

Barrier Type	Length	Line Speed	Rail type	PADS No FOR 50m batch
Telescopic Barrier-Standard	1.25m (4ft)	Under 100mph (160km/h)	Flat Bottom/ BullHead	094/002001
	2.0m (6ft6in)	Over 100mph (160km/h)		
Fixed Barrier-shoulder clearance	1.25m (4ft)	Under 100mph (160km/h)	Flat Bottom	094/019031

### 1. Pre-Use Checks

Ensure no part of the equipment is damaged. Check free movement of clamp and that the rubber bungee is not damaged. Ensure that the telescopic section (where applicable) is fully compressed and that the locking pin is in place. Check to ensure that there is no heavy scoring of the insulated section of the arm, report any faults to your supervisor.

**Important: Use only undamaged parts.**

To create a safe working area (green zone), set up the barrier 4 ft (1.25 m) from the running rail for line speeds of up to 100 mph. For line speeds over 100 mph set the barrier to 6ft 6" (2.0 m). Care must be taken at heavily canted sites that the barrier height does not fall outside acceptable limits.

### 2. Fitting the Rail

**Attention: Assemble, disassemble and move only when both parts of the telescopic connection are pushed completely into one another and secured by a spring pin.**

- Remove the ballast under the rail at the point of clamping, so that there is a gap of at least 10 cm between the rail foot and the track bed.
- Clamp spacing approx. 2.5 m – 2.7 m (4 sleepers between clamps), fig. 1

All work should be carried out in accordance with the site specific Method Statement and COSS instructions.

### 3. Adjustment of the safety area

To adjust to the safe distance from 1.2 m (for line speeds 100 mph or less ) to 2.0 m (for line speeds in excess of 100 mph) from the rail in accordance with Rule Book section Bii carry out the following; - Pull out the spring pin. Adjust the telescopic connection to the required distance and reinsert the pin from the side, so that the 'eye is down

### 4. Fitting the blue poles

Hold the upright in one hand. Snap the pole into the clip with the other hand supporting frame if necessary, fig.2.

### 5. Attaching Lighting

Lighting may only be attached to Vortok Barrier with the Vortok Light Mast Support Bracket (PADS no. 94/019037). Tie-wraps and other attachment methods are not permitted, fig.3.

### 6. Transport

Transport the equipment whenever possible in the special stillages and only when telescopic connection is completely pushed into itself and secured by the spring pins. Max. 101 clamps per stillage.

Put the poles into the special frame and strap with a belt. Max 200 poles per frame.

Do not undertake manual handling of this stillage. Use only approved methods for both movement of stillage and for handling its contents. Loaded stillages weigh from 220-500kg

### 7. Weights of individual contents:

Telescopic barrier metal upright	- 2.4kg	Telescopic GRP arm	- 4.2kg
Fixed barrier metal upright	- 5.8kg	Fixed GRP arm	- 2.5kg
3m Blue Pole	- 2.3kg		

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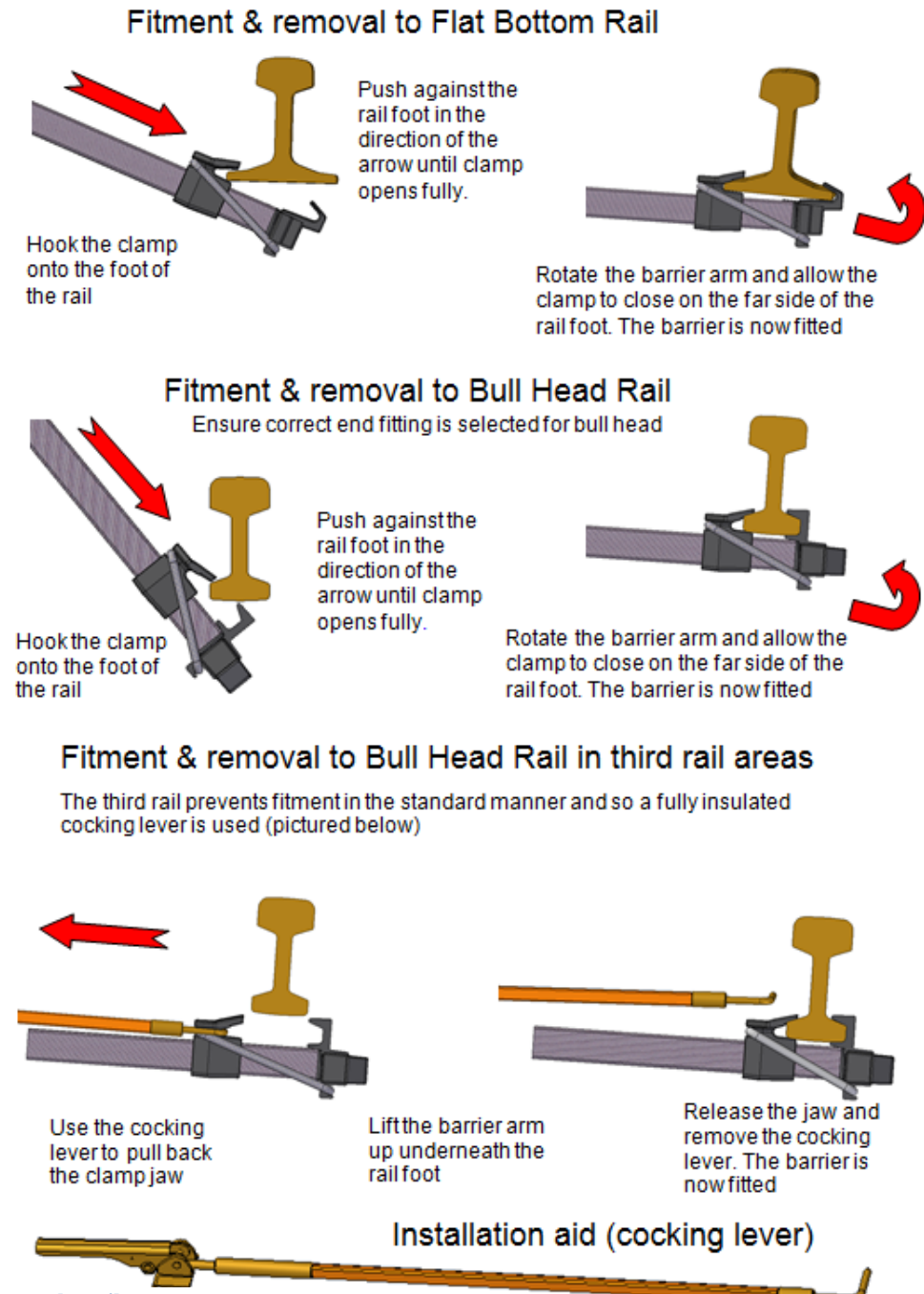


Figure 1 Fitting to the rail.



Figure 3 Light adaptor installation



Figure 2 Fitting the Blue Poles