



ATKINS

ENGINEERING ACCEPTANCE CERTIFICATE

This certificate issued in accordance with RIS-1530-PLT Issue 3.

NAME OF CERTIFICATION BODY
Atkins Rail

ACCREDITATION CODE
NS

Vehicle Class/Description Road Rail Vehicle - Richter & Muller Ballast Brush – Type OD

Vehicle Owner W M Bradshaw

Issue Date 28th September 2012

Expiry Date 28th September 2019

Vehicle Numbers: 99709 000140-2

FIRST OF CLASS

Certificate number of First of Class

YES	NO
	X

N/A

Authorised by :

Signatory Name:

S P Rice

Authorised Signatory:

Reason for issue and Scope of Work

Scope of work for previous certificate:

Certificate of Generic Acceptance AR/PT/0016/2004. An attachment for use on road/rail vehicles to regulate track ballast. Ballast Broom re-assessed against GM/RT1300, Issue 4, Sections D12.1, D25.1 and D27.6; and GM/RT310, Issue 2.

Scope of work for this certificate:

Upgrade to RIS-1530-PLT, Issue 3, March 2011.

Deviations associated with this certificate : None

Previous Certificate Numbers:

Certificate of Generic Acceptance; AR/PT/0016/2004

	Identification Number	Issue No.	Date
Maintenance plan Id.	SB1	2	16/11/10
Maintenance plan title	Operation, Maintenance & Parts Manual for Ballast Brush Type:SB1		
Maintenance plan Id.	AJH041	1	December 2011
Maintenance plan title	Vehicle Maintenance and Overhaul Instruction – Ballast Broom Addendum		

Limitations of Use

1. It shall only operate inside possessions.
2. It shall only be used in accordance with the Method Statement for the possession.
3. It shall only be coupled to RRV's or RMMM's which are certificated for towing or propelling this type of Ballast Brush.
4. Ballast Brush shall be subject to the limitations of the towing vehicle.
5. The Ballast Brush may be on/off tracked, travelled or worked under live OLE in accordance with the Method Statement for the possession as determined and approved in accordance with the requirements of GE/RT8024.
6. If adjacent lines are open to traffic, this vehicle shall be used only if a safe system of work has been adopted to take account of the extra gauge exceedance caused by attachments.
7. The Ballast Brush **NOT** to be used on live conductor rails.
8. The Ballast Brush may be used on **Isolated** 3rd and 4th rail systems.
9. The Ballast Brush will **NOT** activate train operated points.
10. Ballast Brush has a Failsafe Breakaway system – Ballast Brush is immovable when disconnected from its host vehicle.
11. When on tracked, connect and test the breakaway cable for automatic lowering of the failsafe system before travelling or working.
12. When on tracked, check parking lights (all red) are working and connect rail lights to host vehicle and check rail lights are working for both directions of travel (white Brush leading, red Brush trailing).

Supplementary Information

1. Ballast Brush is prevented from runaway when disconnected from the host vehicle (RRV); when the 24 volt supply is disconnected this releases the hydraulic oil from the brush height adjusting ram into the accumulator. This loss of pressure allows the brush to sink into the ground within 3 seconds, thus rendering the ballast brush immovable.
2. Plant Number - BJM008-7

Gross vehicle weight – 2600 kg.
 Maximum travelling cant – 200mm.
 Maximum working cant – 150mm.

Maximum speed vehicle in travelling mode – 10 mph
 Maximum speed vehicle in working mode – 10mph
 Maximum speed vehicle in working mode over other specified track conditions – 5 mph

Maximum on/off track cant – 100mm.
 Maximum gradient – 1 in 25.
 80m minimum radius