

NEW EQUIPMENT AND SYSTEM
APPROVAL CERTIFICATE

Certificate No.	NESA-T091	Version No 1.1
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Approval date 28/09/2021

Approved by Acting General Manager Technical Standards

Report no. 15/17603

This certificate is issued to

Supplier Voestalpine SIGNALING Siershahn GmbH
Branch Office Australia
Unit 14, 160 Hartley Rd
Smeaton Grange
NSW 2567

In respect of

Manufacturer Voestalpine Signaling Zeltweg GmbH

Product description VAE Hollow Steel Sleeper

Item identification VAE Phoenix MB
VAE Phoenix MDS

Application Approved for use across ARTC Network

Relevant Standards**Conditions of
Approval**

1. The VAE Hollow Steel Sleepers only to be used as a housing for the 4 bearing & 4 wheel temperature detection scanners and the associated cabling for the voestalpine SIGNALING Siershahn GmbH Phoenix MB Wayside Detection System.
2. Supplier to provide installation guideline that includes WHS requirements.
3. Installation as per the manufacturer's manual/instructions **VAE Phoenix MB - Installation Manual for the Sleeper – Rev 1.2 Reference 050 44 90442 and VAE Phoenix MDS - Installation Manual for the Sleeper – Rev 1.1 Reference 057-enXX-000-11331.**
4. Hollow steel sleepers must not be installed adjacent to one another.
5. Only to be installed in track with good support conditions e.g. good drainage, ballast depth, ballast shoulder, well compacted.
6. Not to be placed under IRJ or dipped or badly corrugated rail.
7. To comply with rail insulation requirements as ETC-02-03 Steel Sleepers – usage and installation standard.
8. Normal ARTC track maintenance inspection to be applied. The sleeper shall be inspected in *detailed walking* to consider:
 - any deterioration of the rail pads or insulators,
 - impact damage to the sleeper or components and
 - any damage to the insulation materials including bulging of the material at the edges.

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9. Any dirt, spoil ballast or other contamination around the insulators shall be removed.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid updated certificate.

Note/Comments

Issue date 28/09/2021

Expiry date N/A

Issued by

Chris Rykiert
Acting ARTC Manager Standards

Supporting Documents:

Drawings:

- 601.0283-3 - Mechanical Drawing for MDS
- 604.0530 - Mechanical Drawing for MDS
- 05550000-058V010_Rail Fixation MDS Sleeper for AS60 1-20
- 7311z134490 – Mechanical Drawing for MB
- 7311z134777 – Fastener Drawing for MB

Manuals:

- PHOENIX MDS Hollow Steel Sleeper Installation Manual
- PHOENIX MDS Hollow Steel Sleeper Maintenance Manual
- VAE Phoenix MB - Steel Sleeper Maintenance Manual