

NEW EQUIPMENT AND SYSTEM
APPROVAL CERTIFICATE

Certificate No. NESA-T168

Version No. 1.0

Certificate type	<i>Provisional</i>
Approval date	<i>13/10/2025</i>
Approved by	<i>Manager Engineering Services</i>
ARTC Inventory Product No.	<i>NA</i>

This certificate is issued to

Supplier	Link Asia Pacific (LinkAP)
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In respect of

Manufacturer	Lankhorst P.O. BOX 203, 8600 AE Sneek, The Netherlands
Product description	KLP Hybrid Polymer Transom 401
Supplier product no.	Type 401 for tracks up to 25TAL
Application	Interstate tracks only
Relevant standards	- ETS-09-00 Section 9: Structures - AS5100 Bridge Design

Conditions of Approval**Supplier:**

1. 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
2. Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modifications or changes in order to obtain a valid certificate
3. Supplier to provide Certificate of Conformity to confirm supply is in accordance with the relevant standards and this type approval
4. Site-specific transom calculations and stress utilisation considering that two transoms take an axle load
5. Calculation to apply relevant load factors for ULS, SLS, and FLS, as well as the dynamic factor of $1+DLA=2$
6. Site-specific design by an RIW competent designer, in conjunction with KLP specifications and drawings
7. All designs and installations shall comply with the relevant ARTC and Australian Standards
8. Demonstration of the data, hardware, or device handling and storage security according to the vendor-supplied configuration or the Center for Internet Security (CIS) benchmarks

ARTC:

9. Check the girder load rating factor in ULS for 25TAL before proceeding
10. Check the girder deflection in SLS for 25TAL (A KLP transom can be up to 40% heavier than a timber transom)

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11. The transoms shall not be interspersed with other types of transoms over one span
12. Resilient fastening system shall be used with a minimum of four (4) screws to secure the baseplate to the transom
13. Hole dimensions shall follow the manual, and no drill is allowed in the no-drilling zones or at zones that could damage internal strands
14. Product to be limited to one bridge installation approved by Manager Structures.
15. Ongoing performance to be reviewed in twelve months by Structures team.
16. Asset team to report ongoing performance issues to the Manager Engineering Services

Issue date 13/10/2025

Expiry date 12 months after the first
installation

Issued by

ARTC Manager Engineering Services