

Certificate of Acceptance

PA05/00424

Manufacturer:
Henry Williams Ltd

Issue : 6
Valid From : 30-06-2023

Location Cases

Product Description

Location case conforming to BRS-SM431, constructed from either mild steel or stainless steel. The enclosures are supplied in two sizes: half, full and full deep. All variations are available pre clad with LEMUR-AG15 to mitigate heat related failures.

Product Image



Scope of Acceptance

Full Acceptance

Stainless Steel certificate updated to include Grandfather rights galvanised cases

Full range of cases to include factory fitted LEMUR-AG15 to mitigate the impact of solar gain

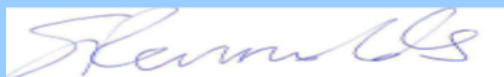
Obsolete 'sun hats' to mitigate the impact of solar gain are no longer available

The 2009 change of method of hinge manufacture from a prefabricated arrangement to the use of forged stock.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Steve Rennolds
Product Acceptance Specialist



Jeremy Morling
Network Technical Head Signal Engineering

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section. Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) Stainless steel to conform to BS EN 10088-2 1995. Where sea water corrosion or industrial pollution occurs, grade 316 may be used.
- 2) Case finish is available either hot rolled or 2B .
- 3) Surface to be abraded to provide non-reflective finish
- 4) 2mm cases are also available with block hinges as an alternative to the standard fabricated hinges.
- 5) Ensure that the latest relevant standards/ drawings are available and worked to, and that the product is compliant.

User

- 1) "Enhanced Protection" variants are not to be used to house heat-sensitive apparatus in conjunction with any significant uncontrolled heat source.
- 2) "Enhanced Protection" variants must not be used to contain secondary cells (including "sealed cells") charged in-situ. Very small cells, such as memory-retention cells in electronic equipment, may be disregarded.
- 3) Design features for "Enhanced Protection" variants (with the exception of roof seal) are permitted as an alternative construction for "Standard" cases.
- 4) Users of the product are responsible for ensuring compliance with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Acceptance Services
- 5) Users are responsible for ensuring that the product is fit for purpose and that the application of use complies with the scope of acceptance. Any product defect should be taken up immediately with the supplier. If the defect is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway this shall be reported in writing to Network Rail Acceptance Services.
- 6) Products shall be maintained in accordance with the manufacturer's recommendations.

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Product Configuration

System or Complete Assembly

Part No.	Description	Catalogue No.
1999.029-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, (2.5MM THICK STAINLESS STEEL GRADE 304 HOT ROLLED)	086/009910
2005.035-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED)	086/009911
2007.012-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, (2MM THICK STAINLESS STEEL GRADE 316 2B ABRADED)	086/009912
2009.039-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, 'ENHANCED PROTECTION' (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED)	086/009913
2009.040-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL, 'ENHANCED PROTECTION' (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED)	086/009914
1999.033-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL, (2MM THICK STAINLESS STEEL GRADE 316 2B ABRADED)	086/009918
1999.029-A1-000	CASE APPERATUS/LOCATION, STAINLESS STEEL, SMALL. (2.5MM THICK STAINLES STEEL GRADE 304 HOT ROLLED)	086/009920
2005.036-A1-000	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED)	086/009921
1999.029-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, (2.5MM THICK STAINLESS STEEL GRADE 304 HOT ROLLED) - LEMUR- AG15 coated	086/010500
2005.035-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED) - LEMUR- AG15 coated	086/010501
2007.012-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, (2MM THICK STAINLESS STEEL GRADE 316 2B ABRADED) - LEMUR- AG15 coated	086/010502
2009.039-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, LARGE, 'ENHANCED PROTECTION' (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED) - LEMUR- AG15 coated	086/010503
2009.040-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL, 'ENHANCED PROTECTION' (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED) - LEMUR- AG15 coated	086/010504
1999.033-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL, (2MM THICK STAINLESS STEEL GRADE 316 2B ABRADED) - LEMUR- AG15 coated	086/010505
1999.029-A1-000-L	CASE APPERATUS/LOCATION, STAINLESS STEEL, SMALL. (2.5MM THICK STAINLES STEEL GRADE 304 HOT ROLLED) - LEMUR- AG15 coated	086/010506

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Part No.	Description	Catalogue No.
2005.036-A1-000-L	CASE APPARATUS/LOCATION, STAINLESS STEEL, SMALL (MADE FROM 2MM THICK STAINLESS STEEL GRADE 304 2B ABRADED) - LEMUR- AG15 coated	086/010507
1988.065-A1-000-1	A CASE FINAL ASSY 3mm Mild Steel Plated, Painted	0086/009950
1988.066-A1-000-1	B CASE FINAL ASSY 3mm Mild Steel Plated, Painted	0086/009960
1988.065-A1-000-1-L	A CASE FINAL ASSY 3mm Mild Steel Plated, Painted and LEMUR-AG15 coated	086/0010508
1988.066-A1-000-1-L	B CASE FINAL ASSY 3mm Mild Steel Plated, Painted and LEMUR- AG15 coated	086/010509
2013.102-A1-000-L	A TYPE PLUS FSP03 2.0mm 3CR12 Lemur-AG15 coated	086/010482

Flat Pack version of location cases

Part No.	Description	Catalogue No.
1999.029-A1-300	CASE A CASE 2.5MM 304 STAINLESS STEEL FLAT PACK	0086/010542
1999.029-A1-300-L	CASE A CASE 2.5MM 304 STAINLESS STEEL FLAT PACK LEMUR-AG15 COATED	0086/010543
1999.029-A1-400	CASE B CASE 2.5MM 304 STAINLESS STEEL FLAT PACK	0086/010544
1999.029-A1-400-L	CASE B CASE 2.5MM 304 STAINLESS STEEL FLAT PACK LEMUR-AG15 COATED	0086/010545
1988.065-A1-700	CASE A CASE 3MM MILD STEEL PLATED AND PAINTED FLAT PACK	0086/010546
1988.065-A1-700-L	CASE A CASE 3MM MILD STEEL PLATED AND PAINTED FLAT PACK LEMUR-AG15 COATED	0086/010547
2005.035-A1-800	CASE A CASE 2MM STAINLESS STEEL FLAT PACK	0086/010548
2005.035-A1-800-L	CASE A CASE 2MM STAINLESS STEEL FLAT PACK LEMUR-AG15 COATED	0086/010549
2005.036-A1-700	CASE B CASE 2MM STAINLESS STEEL FLAT PACK	0086/010550
2009.039-A1-700	CASE A CASE 2MM 304 STAINLESS STEEL ENHANCED PROTECTION FLATPACK	0086/010551
2009.039-A1-700-L	CASE A CASE 2MM 304 STAINLESS STEEL ENHANCED PROTECTION FLATPACK LEMUR-AG15 COATED	0086/010552
1988.066-A1-700	CASE B CASE 3MM MILD STEEL PLATED AND PAINTED FLAT PACK	0086/010553
1988.066-A1-700-L	CASE B CASE 3MM MILD STEEL PLATED AND PAINTED FLAT PACK LEMUR-AG15 COATED	0086/010554

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
BH/ST	HWD letter with attachments		03.08.99	1
-	Independent Assessment by Mr C.D.Price		29.07.99	1
99029/A1, sheets 1-3	HWD Drawing (Large case)		22.07.99	1
99033/A1, sheets 1-3	HWD Drawing (Small case)		03.08.99	1
99032/A1, sheet 2	HWD Drawing . (Fabricated hinge)		28.07.99	1

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Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
99030/C1, sheet 1	HWD Drawing (Fabricated lifting bracket)		27.07.99	1
BH/ST	HWD letter		16.08.99	1
BH/ST	HWD letter		18.08.99	1
-	Independent Assessment by Mr C.D.Price		11.02.03	1
2003.005/A1 (Issue MO)	HWD G A Drawing of large case (Standard hinges)		Undated	2
2003.006/A1 (Issue MO)	HWD G A Drawing of large case (Block hinges)		Undated	2
AWDP/SF	HWD letter		17.02.03	2
-	HWD fax		04.03.03	2
AWDP/SF	Letter from HWL requesting product acceptance of IP55 version		27.06.06	3
SX200086/001 Issue 1 & 2	TUV Test Certificate		09.01.06	3
-	Review Memorandum : P.J.Forthey		08.03.07	3
PTW070207	Minutes of Meeting at HW offices, Darlington		07.02.07	3
2005.059/A1(Sheets 1 & 2)	General Arrangement drawing – Large case		03.03.06	3
2005.060/A1(Sheets 1 & 2)	General Arrangement drawing – Small case		03.03.06	3
----	Henry Williams report "Proposed amendment to location case hinge"		06/05/2009	4
BRS-SM850/10&11	Drawing "Apparatus case, Large & Small Hinge Blade-Door" Issue A		----	4
88045/B3	Drawing "Apparatus case Hinge Blade casting for Door" Issue M6		----	4
99031/A1	Drawing "Stainless Steel fabricated case Hinge" Issue M1		----	4
2006.038/B1	Drawing "hinge – SS cabinet" Issue M2		----	4
HWFSP03-Case	FSP03 O&M manual	1	March 2022	5
HWLOCATION-CASE	Location case manual	1	March 2022	5
S22051713260	Manufacturing process update	1	May 2022	5
HW QA44-01	Gloss test results	1	May 2022	5
2009.039 A1 700	Routing sheet/Inspection report	1	May 2022	5
----	Flat Pack Location Case O&M	4	23/03/2023	6

Certificate History

Issue	Date	Issue History
1	15.09.99	First accepted for use.
2	17.03.03	Acceptance of location cases 2.0mm thick
3	12.03.07	Addition of "Enhanced Protection" cases.
4	30.06.09	Certificate re-issued to cover the change of method of hinge manufacture from a prefabricated arrangement to the use of forged stock.

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5	23.05.22	Inclusion of galvanised enclosures and LEMUR-AG15 solar mitigation (to include products with cat. no.s 086/010500 to 086/010509). Surface finish is now achieved through bead blasting in place of sanding with 80-120 grit paper.
6	30/06/2023	Flat pack option made available (cat. no.s 086/010542 to 086/010554)

Contact Details

Manufacturer

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Applicant

NA

Lead Reviewing Engineer

Network Rail
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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date via the NR sponsoring applicant.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Network Rail Design for Reliability Standard(DFR) NR-L2-RSE-0005 and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement, where the specification and/or Product Acceptance Certificates specify quality assurance classifications for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations

2) As required in Railway Group Standard RIS-8270-RST, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail and Road) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.