Certificate No: LR25389524MR
Issue Date: 08/07/2025
Expiry Date: 07/07/2030

European Union Recognised Organisation (EU RO) Mutual Recognition Type Approval Certificate in accordance with Article 10.1 of EU Regulation 391/2009.

This is to certify to the Manufacturer named below, that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements. The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

This certificate is issued to:

Manufacturer	**Biezepol Metaalbewerking B.V.**
Address	21,Industrieweg, Heerjansdam, 2995 BE, Netherlands
Product Type	Engine Mountings
Description	Adjustable Steel Chocks are metal chocks with adjustable height setting by an internal screw connection combined with the capability of self-levelling. The Adjustable Steel Chocks are self-locking (due to friction in internal screw connection) after the foundation bolts are tightened.
Trade Name	MECLEV® ML, (S 355JO) and MECLEV® LOW – Alloyed Steel (LAS), (34CrNiMo6)
Application	Adjustable Steel Chocks are foundation metal chocks for rigid seating's of heavy machinery and equipment, which require precise alignment and adjustment. Adjustable Steel Chocks that can be applied for rotating and oscillating engines as well as statically loaded machinery e.g. main and auxiliary diesel engines, turbines, gearboxes, shaft bearings, shaft generators, generators, steering gears, windlasses, etc.

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Matthijs Breel

Technical Specialist, Power Generation & Emissionsl Specialist, Power Generation to Lloyd's Register EMEA

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Adjustable Steel Chocks may be used at initial machinery installation or after repair or replacement always taking into account the relevant application range (e.g. ranges of application, installation height, maximum element load, foundation bolt size, foundation bolt torque, etc.);

Adjustable Steel Chocks for propulsion and auxiliary machinery seating require installation approval on a case-by-case basis.

Specified Standard EU RO Mutual Recognition Technical Requirements, Tier3 - Adjustable Steel Chock, Version 0.2, dated 1 April 2016.

Ratings See Appendix

Special Conditions Ratings, as stated, are dependent upon configuration of components.

The MECLEV ML/ ML-LAS Element is not to be subjected to load in transverse direction.

The MECLEV ML/ML-LAS Elements are to be installed in accordance with the “MECLEV Installation Instructions”, MECLEV Information book, Version 1.4. Special attention is to be given to the maximum adjustment height allowed for standard elements.

The bottom ring of the MECLEV ML/ML-LAS Elements shall not protrude over the foundation perimeter. Furthermore the bottom ring should mate with foundation top plate for at least 75 per cent of the bottom ring surface. Distribution of mating should be uniform.

The holding down arrangement calculations to be in accordance with the

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"Application Design Instructions", MECLEV Information book, Version 1.4.

For each application with MECLEV ML/ML-LAS Elements, being reduced in height, particulars and details of amended MECLEV Element are to be submitted to the relevant Classification Society. Attention should be given to maximum allowable adjustment height for the amended MECLEV element.

For each application with MECLEV ML/ML-LAS Element, where dimensions of washer (disc) or bolt are amended to accommodate a bolt size not specified in MECLEV information book, Version 1.4, particulars and details to be submitted to relevant Classification Society.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. GTSO/GED/MCH/JK/TSO25-042261 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. LR21102096MR to which this extension should be attached.

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When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- *American Bureau of Shipping (ABS);*
- *Bureau Veritas (BV);*
- *China Classification Society (CCS);*
- *Croatian Register of Shipping (CRS);*
- *DNV GL;*
- *Indian Register of Shipping (IRS);*
- *Korean Register (KR);*
- *Lloyd's Register Group Ltd. (LR);*
- *Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);*
- *Polish Register of Shipping (PRS);*
- *RINA Services S.p.A. (RINA).*

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

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