



TYPE APPROVAL CERTIFICATE
No. **MAC355724CS**

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Synthetic material sleeve bush bearings
<i>Type</i>	DMX STAVE BEARING
<i>Applicant</i>	DURAMAX MARINE LLC 17990 GREAT LAKES PARKWAY 44234 Hiram (Ohio) U.S.A.
<i>Manufacturer</i>	DURAMAX MARINE LLC
<i>Place of manufacture</i>	17990 GREAT LAKES PARKWAY 44234 Hiram (Ohio) U.S.A.
<i>Reference standards</i>	Part C, Chapter 1 Section 7 of RINA Rules
<i>Reference documents</i>	RINA TYPE APPROVAL SYSTEM

Issued in **Genoa** on **October 22, 2024**. *This Certificate is valid until* **October 21, 2029**

RINA Services S.p.A.
Rosario Pitruzzo

This certificate consists of this page and 1 enclosure

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DMX STAVE BEARING

Description of the products

Water lubricated stern tube bearing. Dove Tail or Radius Back with rubber locking stave configuration.

Shaft diameters from 75 mm to 1000 mm

Reference documents

RINA Approval letter No. PRMT/2024/504/NP008.

RINA Approval letter No. PPVT/2019/00035/NICBV.

Duramax Marine SPA on Gunmetal Shaft - 2000 Hr trial / Report JK106-R3427 from BMT Defense Services LTD

Fields of application

Surface bearing pressure not greater than 0.6 N/mm².

Acceptance conditions

- For each application the relevant constructional drawings are to be sent to RINA Head Office for approval.
- The installation on board is to be made in accordance with the manufacturer's instructions in compliance with all applicable RINA Rules.
- This type approval is valid on the assumption that the Manufacturer of the aforementioned bearings assures, under his own responsibility, that the product characteristics are in accordance with the ones specified on the documentation submitted.
- The acceptance of the a.m. products on board ships and other units classed with RINA is subject to the satisfactory outcome of testing as per RINA rules.
- The approval may be withdrawn by RINA in the case of changes in the design not brought to the knowledge of RINA or in the case of changes in the RINA rules.
- This certificate is issued for uses allowed by the laws and acts of Government in force.
- The validity of this Type Approval is subject to the satisfactory outcome of the periodic quality audit as per RINA Rules for Testing and Certification of Marine Materials and Equipment.

This Certificate annuls and replaces the TAC MAC009719CS/002.

Genoa October 22, 2024