



Certificate No. 02-003883/025721

## TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

**Rudder bearings  
THORDON SXL**

MANUFACTURER:

**Thordon Bearings Inc.**  
3225 Mainway  
**BURLINGTON, Ontario, L7M 1A6**  
Canada

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

**CRS: Rules for the classification of ships, Part 3 – Hull Equipment, Part 9 – Machinery**

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2027-01-23**

Place and date: Split, 2023-01-20

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

**DETAILED PRODUCT DESCRIPTION:**

**Rudder bearings made of polymer material**

**APPLICATION / LIMITATIONS:**

**Application: rudder stock bearings, rudder pintle bearings, rudder carrier bearings (rudder carrier bearings and rudder carrier disc), stabilizer bearings and steering gear bearings.**

**Sleeve segment and stave bearings shall be fitted in accordance with the manufacturer's instructions.**

**Maximum nominal surface bearing pressure: 10 N/mm<sup>2</sup>**

**TYPE APPROVAL DOCUMENTATION:**

**In accordance with the Croatian Register of Shipping letter No.(dated): 129/TSv/NV-96/021323 (2003-01-24)**

**MARKING OF PRODUCT:**

- **manufacturer and product name**
- **bearing main dimension**
- **batch number**

**CONDITIONS FOR CERTIFICATION:**

**Workshop drawings of the bearings containing all the necessary data are to be submitted for approval for each particular installation.**