



# Type Approval Certificate

[ Non-Metallic Bearing Materials ]

**Initial Approval** 15th December, 2016

**Manufacturer** MIKASA Corporation

1, Kuchi, Asa-cho, Asakita-ku, Hiroshima 731-3362, Japan

**Product Description** Type : F (Full-mold Type), F-CR (Full-mold Type, Crescent Design)  
S (Segmental Type)  
T (Barrel Type), T-CR (Barrel Type, Crescent Design)

- Intended for : Water Lubricated Stern Tube Bearing
- Three layer structure : Special compound elastic rubber is sandwiched between poly-tetra fluor ethylene and outer metal shell
- Shaft Dia. : 40 ~ 450 mm for Type-F / F-CR  
200 ~ 1000 mm for Type-S / T / T-CR
- Bearing Length :  $L \geq 2X$  (X: actual shaft dia.)
- Average load on bearing :  $\leq 0.6 \text{ N/mm}^2$
- Local load on bearing :  $\leq 2.0 \text{ N/mm}^2$

- Approval Condition**
1. The bearings are to be fitted in accordance with the manufacture's recommendations and applicable rules of this society.
  2. This approval is granted on the basis of the test report no. MDE-161124 issued by MIKASA Corporation dated on 24th Nov. 2016.
  3. Individual Product Certification is not required.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 5, Ch. 3, Sec. 206 of the Rules for Classification of Steel Ships.

This Certificate is valid until 14th December, 2026

Issued at Tokyo, Japan on 25th October, 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME21026470890) and certificate No.(TKY02783-BM002).



**KOREAN REGISTER**

*Matsumoto*

*General Manager of  
Tokyo Branch Office*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
  2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
  3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
  4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.