



Certificate No. 01-014827/0111050

## 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:

**Sea Anchor type SP-4-047 for liferaft**

MANUFACTURER:

**SHANGHAI YOULONG RUBBER PRODUCTS Co. Ltd.**  
No. 20 Xinchun Rd., Huanglou, Chuansha, Pudong  
SHANGHAI 201205  
People's Republic of CHINA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

**Rules for the classification of ships, Part 1 - General requirements; ISO 17339:2018**

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

APPROVAL IS VALID UNTIL: **2025-07-18**

Place and date: **Split, 2021-07-19**

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:**

**A sea anchor type SP-4-047.**

**Sea anchors are made with a PU-coated Dracon fabric, stainless steel frame inside the fabric and belt made of polyester silk ribbon. Belt is sewn to the Dracon fabric in 400 mm length.**

**A sea anchor is available in 4 sizes:**

Capacity (P)	P≤10	11≤P≤25	26≤P≤75	76≤P≤150
Model	SP-4-047	SP-4-047-1	SP-4-047-2	SP-4-047-3
Belt width (mm)	13	17	17	17
Belt length (mm)	600	670	780	920
Steel frame diameter (mm)	400	500	600	700
Slope length (mm)	600	670	780	920
Drain hole diameter (mm)	60	65	150	150

**APPLICATION / LIMITATIONS:**

**For use on liferafts only.**

**The towing line used to secure the sea anchor to a liferaft shall be inherently rotproof and at least 30 m long, not less than 8 mm in diameter and have a breaking load in accordance to ISO 17339:2018, item 4.3.**

**TYPE APPROVAL DOCUMENTATION:**

**Drawing No. SP-4-047 rev.A/1 dated 13/12/2018.**

**Test reports No. 2019034, No. 2019035, No.2019036 and No.2019037 dated 11/04/2019 issued by Wuhan Testing Center of Marine Life-saving Appliances.**

**Deployment, towing and strength tests report dated 04/01/2021.**

**MARKING OF PRODUCT:**

**Each sea anchor shall be marked with: manufacturer's name, type of product and date of manufacture (month and year).**

**CONDITIONS FOR CERTIFICATION:**

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