



CROATIAN REGISTER OF SHIPPING

Potvrda br. **01-015342/0111751**
Certificate No.

POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.
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.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

ČELIČNO SIDRO ZA SIDRENJE PLUTAJUĆIH OBJEKATA U UZGAJALIŠTIMA RIBE TIP 4RS750

STEEL ANCHOR FOR MOORING OF FISH FARMING PLANTS TYPE 4RS750

Tip: Čelično sidro zavarene konstrukcije, težine 750 kg namijenjeno sidrenju plutajućih objekata u uzgajalištima ribe.
Type: Steel anchor of welded plate construction, with a weight of 750 kg intended for mooring of fish farming plants.

PROIZVOĐAČ:
MANUFACTURER:



2. Ulica br. 15, 20271 BLATO • HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

HRB: Pravila za klasifikaciju brodova, Dio 3. – Oprema broda;
Pravila za klasifikaciju brodova, Dio 25. – Metalni materijali.

CRS: Rules for the classification of ship, Part 3 - Hull equipment;
Rules for the classification of ship, Part 25 - Metallic materials.

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: **2026-05-09**
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2022-05-12
Place and date:

M.P. _____
(Seal)

Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

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.

PODROBNJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

Sidro tipa 4RS750 zavarene je izvedbe, težine 750 kg, izrađeno od čelika kategorije A. Projektirano je za silu držanja od 158 kN uz faktor sigurnosti 2. Sidro se sastoji od dva kraka debljine 15 mm, glave sidra i spojnice krakova debljine 20 mm. Kut između krakova i baze iznosi 37°, a promjer osnaca 50 mm.

The anchor of type 4RS750 is welded plate construction, manufactured of grade A steel with a weight of 750 kg. The anchor is designed for an installation tension of 158 kN with a static safety factor 2. It consists of two flukes with a thickness of 15 mm, shank and connection plate with a thickness of 20 mm. Fluke angle is 37° and shackle diameter of 50 mm.

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
APPLICATION / LIMITATIONS:

Sidro 4RS750 namijenjeno je trajnom sidrenju plutajućih objekata u hranilištima ribe. Svaka serija sidra 4RS750 mora imati certifikat materijala i biti ispitana u skladu s Pravilima Dio 25. u prisustvu inspektora HRB-a.

The Anchor 4RS750 is intended for permanent mooring of floating objects in fish farming plants. Each series of anchor 4RS750 is to be delivered with required material certificates and have to be tested in accordance with the Rules Pt. 25 in presence of CRS Surveyor.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:
TYPE APPROVAL DOCUMENTATION:

Tehnička dokumentacija i ispitivanja:

1. Tehnički opis, tehnologija izrade sidra 4RS750
2. Sklopni nacrt – CRMS-750-01
3. Proračun - CRMS-750-01
4. WPS-2, WPS-3, WPS-4.
5. Izvješće HRB PUKO – 23- 013272/019291
6. Certifikat materijala 708825 2280 CR1
7. Izvješće ispitivanja prototipa Radež – 2018-04-25

Technical documentation and test report:

1. Technical description, Fabrication technology of anchor 4RS750
2. Drawing no. – CRMS-750-01
3. Strength Calculation - CRMS-750-01
4. Drawings no: WPS-2, WPS-3, WPS-4.
5. Test report HRB PUKO – 23- 013272/019291
6. Material certificate 708825 2280 CR1
7. Test report for prototype Radež – 2018-04-25

OZNAČAVANJE PROIZVODA:
MARKING OF PRODUCT:

Proizvod se mora označiti imenom proizvođača, oznakom proizvoda te žigom HRB.

The product shall be marked with name of manufacturer, type designation and CRS stamp.

UVJETI ZA CERTIFIKACIJU:
CONDITIONS FOR CERTIFICATION:

Hrvatski registar brodova izdaje posebnu potvrdu o nadzoru za svaku pojedinu proizvedenu količinu (HRB obrazac QF-PB-30).

Croatian Register of Shipping shall issue particular certificate on supervision for each manufactured quantity (CRS form QF-PB-30).