



TYPE APPROVAL CERTIFICATE
No. MAC081224CS/002

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

<i>Description</i>	Clamps for pipes
<i>Type</i>	STANDARD SERIES HEAVY SERIES TWIN SERIES SUPER HEAVYWEIGHT SERIES
<i>Applicant</i>	PLEFFE.CI. S.R.L. VIA G. MARCONI 76/A 43123 Parma (PR) ITALY
<i>Manufacturer</i>	PLEFFE.CI. S.R.L.
<i>Place of manufacture</i>	VIA G. MARCONI 76/A 43123 Parma (PR) ITALY
<i>Reference standards</i>	RINA RULES

Issued in **Genoa** on **April 10, 2024**. *This Certificate is valid until* **April 9, 2029**

RINA Services S.p.A.
Rosario Pitruzzo

This certificate consists of this page and 1 enclosure

This Certificate annuls and replaces the previous No. MAC113019CS/003 dated 13/05/2019

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STANDARD SERIES

HEAVY SERIES

TWIN SERIES

SUPER HEAVYWEIGHT SERIES

Reference documents

Technical Catalogue PI.EFFE.C January 2021 edition.

Approval letter PRMT/2024/135/NP008.

Materials/Components

Clamps made of :

- Aluminium.
- Polypropylene.
- Reinforced Polyamide with fiberglass and steel top plate.

Approval Condition

Clamps made of aluminium can not be used for supporting:

- cargo piping of oil tankers, chemical tankers and gas carriers;
- piping installed inside ballast and fuel oil tanks;
- fire fighting piping;
- piping used for fluids with a temperature higher than 350 °C.

Clamps made of polypropylene can not to be used for supporting:

- cargo piping of oil tankers, chemical tankers and gas carriers;
- fire fighting piping;
- piping used for fluids with a temperature higher than 90°C.

Clamps made of reinforced polyamide with fiberglass and steel top plate, can be used for supporting piping used for fluids with a temperature not higher than 140°C.

The clamps of piping intended for essential services or intended for flammable fluids are to be able to support the piping in case of failure of the clamp made of plastic material or aluminium.

The on board installation is to be carried out by qualified personnel in accordance with the Manufacturer's instruction.

Remarks

Validity of this Certificate is subject to positive outcome of periodical Audit as per Rules for Testing and Certification of Marine Materials and Equipment.

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Genoa April 10, 2024