



Certificate No. 02-004881/026475

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:

Steering Gear Rudder Actuators Types DIRECTA 80F, 100F, 120F, 140, 150

MANUFACTURER:

CMC MARINE S.r.l.
Piazza Castello, 1
20121 Milano (MI)
Italy

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Rules for the classification of ships, Pt. 35 – Yachts.

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

APPROVAL IS VALID UNTIL: **2029-03-31**

Place and date: Split, 2025-03-31

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:

Electric rudder linear actuators, with built-in auxiliary electric motor, types DIRECTA 80F, 100F, 120F, 140, 150.

Model	Max. trust [kN]	Nominal stroke [mm]	Max. main linear speed [mm/s]	Max. auxiliary linear speed [mm/s]
DIRECTA 80 FAST	11	334	28	4,0
DIRECTA 100 FAST	20	334	28	4,4
DIRECTA 120 FAST	30	334	28	4,4
DIRECTA 140	40	350	36	2,2
DIRECTA 150	55	430	36	2,2

APPLICATION / LIMITATIONS:

Intended for steering gear application on yachts of less than 500 GT.

TYPE APPROVAL DOCUMENTATION:

Approved by the Croatian Register of Shipping with letter No.(dated): 946/TSE/DL/026475 (2025-03-16)

MARKING OF PRODUCT:

- *manufacturer's mark*
- *location and year of manufacturing*

CONDITIONS FOR CERTIFICATION:

Steering gear rudder actuators shall be installed onboard according approved ship specific documentation. Steering gear control, alarm and monitoring system is subject to CRS approval in each particular case.