Certificate no.:
TAE000056G

TYPE APPROVAL CERTIFICATE

This is to certify:

that the support system

with type designation(s)
WIBE FLEX support system

issued to
AB Wibe
Mora, Dalarnas Län, Sweden

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Material	**Stainless steel SS316L, HDG Iso 1461**
Suitable for open deck	**Yes**

Issued at **Høvik** on **2026-01-20**

This Certificate is valid until **2031-01-19**.

for **DNV**

DNV local unit: **Finland CMC**

Approval Engineer: **Qiang William Guo**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

Wibe Flex support system: Profile + started bracket + Gusset plates reinf. + triangle reinf.+ Bolts & nuts

Type	WF Profile 50x50 system
Standard surface	Stainless steel SS316L, HDG Iso 1461
Thickness	SS 1.5mm / HDG 2 mm
Support set up	U support, refer to IEC 61537 Figure 7e, T support, refer to IEC 61537 Figure 7d, L support, refer to IEC 61537 Figure 7c,

Type	WF profile 100x50 system
Standard surface	Stainless steel SS316L, HDG Iso 1461
Thickness	SS 2mm / HDG 2,5 mm
Support set up	U support, refer to IEC 61537 Figure 7e, T support, refer to IEC 61537 Figure 7d, L support, refer to IEC 61537 Figure 7c,

Type	WF profile 100x100 system
Standard surface	Stainless steel SS316L, HDG Iso 1461
Thickness	SS 2mm / HDG 2,5 mm
Support set up	U support, refer to IEC 61537 Figure 7e, T support, refer to IEC 61537 Figure 7d, L support, refer to IEC 61537 Figure 7c,

Note: Support set-up: "U" Support trapecy, "L" Pendant, "T" Central support, Wall bracket

Application/Limitation

The support systems must be installed in accordance with the producer's loading table for the mentioned type.

The installation is to be mechanical protected in accordance with our Rules and especially on weather decks in cargo hold areas and through cargo holds.

Type Approval documentation

Tests carried out

Type test in accordance with DNV-CP-0593 Edition April 2022,
Type test in accordance with IEC 61537-2006.

Marking of product

Wibe Flex support system and type designation.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the periodical assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine tests (RT) checked (if not available, tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer’s product type marking and Type Approval Certificate.

Periodical assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE