Certificate No:
TAS000037D

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cargo Securing Devices

with type designation(s)
Container Access System CAS400

Issued to
Noracon AS
Vestby, **Norway**

is found to comply with
DNV rules for classification – Ships

Application :

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

Issued at **Hamburg** on **2021-10-01**
This Certificate is valid until **2026-09-30**.
DNV local station: **Norway CMC, East-South**

Approval Engineer: **Mark-Oliver Wobig**

for **DNV**

Andree Orth
Head of Section

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 300,000 USD.

Product description

Container Access System CAS 400 (with extension for extra container height)

Application/Limitation

Allowable working load: 4.0 kN (evenly distributed)

Type Approval documentation

Drawing No.	Rev.	Title
27359-01	C	Container Access System CAS400
27359-02	B	Platform Type D
27359-03		Drive Unit
27359-04	B	Fixer
27359-05		Middle Tower R2 and L2
27359-06	B	Top Tower R3 and L3
27359-07		Profile System
27359-09	B	Installation Tool
27359-10	B	Control Box
27359-11	B	Fixer for Drive Unit Type D
	9R1	Reefer Access System, Model D, Users Manual
	1	CAS 400 Maintenance Manual

Test Report Final Testing CAS 400, Ver. 4, dated 2019-10-14

Tests carried out

Prototype tested and found to be in line with GL Guidelines for the Carriage of Refrigerated Container on Board Ships, edition 2003. Function tests, function tests of safety installations and visual inspection has been carried out dated 2021-08-21.

Marking of product

Each item shall be marked by manufacturer for traceability.

Periodical Assessment

For retention of the Type Approval, a DNVGL surveyor shall perform a survey after 2 and 3.5 years, to verify that the Type Approval is complied with.