Certificate no.:
TAS00004FA

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Cargo Securing Devices

with type designation(s)
Semi-Automatic Twistlock IF-56, Semi-Automatic Twistlock IF-56 Lifting

issued to
International Lashing Systems NV
Antwerpen, **Belgium**

is found to comply with

DNV class programme DNV-CP-0068 – General – Certification of container securing devices
DNV standard DNV-ST-0377 – Standard for shipboard lifting appliances

Application:

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

Type	SWL, tension (kN)	SWL, shear (kN)
Semi-Automatic Twistlock IF-56	**250**	**210**
Semi-Automatic Twistlock IF-56 Lifting	**100**	

Issued at **Hamburg** on **2024-10-09**
This Certificate is valid until **2029-10-08**.
DNV local unit: **Belgium CMC**

for **DNV**

Approval Engineer: **Daniel Abt**

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

Semi-Automatic Twistlock for container securing
Semi-Automatic Twistlock for lifting

Application/Limitation

Load	Tension [kN]	Shear [kN]	Lifting [kN]
Test Load	313	263	200
Breaking Load	500	420	500

Tests to be carried out:

• Production testing:
Container securing: At least 2% of the items delivered are to be selected and subjected to the test load.
Lifting: Lifting appliances require single testing and single acceptance acc. to DNV ST-0377.
• Material tests shall include notch impact energy testing at -20°C, with the impact energy requirements acc. to DNV CP-0068. The material shall be in accordance with the approved drawings. Material certificates shall be 3.1 acc. to ISO 10474:2013.

Type Approval documentation

Drawing No.	Rev.	Title
IF-56-Lift	2	Semi-Automatic Twistlock
IF-56-Body-R-Lift	2	Semi-Automatic Twistlock
IF-56-Body-L-Lift	2	Semi-Automatic Twistlock
IF-56-Cone-Lift	2	Semi-Automatic Twistlock
IF-56-Retainer-Lift	2	Semi-Automatic Twistlock
IF-56-Wire	2	Semi-Automatic Twistlock
IF-56-Spring	2	Semi-Automatic Twistlock

Test Report dated 2024-08-07
Drawing approval, Job.-No. 262.1-041664-1, dated 2024-10-09

Tests carried out

The prototype test was carried out in Yixing, P.R. China, dated 2024-08-07 in accordance with the DNV CP-0068 and DNV ST-0377.

Marking of product

Each item shall be marked by manufacturer for traceability.

Periodical Assessment

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