DNV·GL

Certificate No:
TAS00002S3

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cargo Securing Devices

with type designation(s)
COLASH200 & COLF4050

Issued to
TT Endustriyel Ambalaj Makine San. ve Tic. A.S
Istanbul, Turkey

is found to comply with
EN 12195-2 Load restraint assemblies on road vehicles – Safety – Part 2: Web lashing made from man-made fibres

Application :

One way lashing
Break load test results:

test no.	strapping	system
1.	5.327 daN	8.389 daN
2.	5.180 daN	8.457 daN
3.	5.258 daN	7.977 daN

First value: breaking strength of one strapping only
Second value: system breaking strength of one loop of strapping connected by the mentioned buckle
Linear testing only

Breaking strength of strapping: minimum 5.000 daN
Breaking strength of system: minimum 8.000 daN

Place and date of test: Tekirdağ, 2020-06-10

Issued at **Hamburg** on **2020-11-09**
This Certificate is valid until **2025-11-08** . for **DNV GL**
DNV GL local unit: **Istanbul**

Approval Engineer: **Joachim Rehbein**

Thorsten Lohmann
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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

Web lashing consists of following parts:

Strapping:	COLASH200 – woven, high tenacity polyester fiber; 40mm
Tension retaining device:	COLF4050 - drop forged ladder buckle EN8; white galvanized

Manufacturer:
TT Endustriyel Ambalaj Makine San. ve Tic. A.S.
Velimeşe Organize Sanayi Bölgesi Mahallesi 227. Sokak 3/1, 59 930 / Ergene - Tekirdağ - TURKEY

Application/Limitation

One-Way Lashing

Any change in production method, material or change of manufacturing site will render this certificate invalid.

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV GL.

Type Approval documentation

Tests carried out

Tension tests carried out according DIN EN 12195-2, para. 6.3, three times with webbing only and three times with one loop of webbing closed with mentioned buckle.

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification and according to requirements in mentioned standard.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV GL Type Approval Certificate.

Periodical assessment

The scope of the retention survey 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.

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after 2 years and after 3.5 years to verify that the conditions for the Type Approval are complied with. Refer to DNVGL-CP-0338, Sec.4.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnvgl.com

END OF CERTIFICATE