

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Cargo Securing Devices**

with type designation(s)
CS16STR & 3GB161000350

Issued to

TT Endustriyel Ambalaj Markine San. Tic. Ltd. Sti.
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**

Breakload test results:

	linear		system
1.	517daN	/	795 daN
2.	514 daN	/	811 daN
3.	504 daN	/	825 daN

First value: breaking strength of one webbing only

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

Breaking strength of webbing: minimum 500 daN

Place and date of test: Tekirdağ, 2019-04-19

Issued at **Hamburg** on **2019-12-23**

for **DNV GL**

This Certificate is valid until **2024-12-22** .

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.



Job Id: **262.1-031200-1**
Certificate No: **TAS00002CN**

Product description

System consists of following parts:

Strapping: High tenacity polyester fiber with polypropylene coating- 16mm
Tension retaining device: 3GB161000350; galvanized wire buckle, diameter 3.5mm

Production site

TT Endustriyel Ambalaj Makine San. Tic. A.S.

Velimeşe Organize Sanayi Bölgesi Mahallesi 227. Sokak 3/1, 59 930 / Ergene - Tekirdağ - TURKEY

Application/Limitation

One-Way Polyester Corded Composite Strapping.

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

Type Approval documentation

1. Application for Type Approval, TAA 901, dated 2019-03-07
2. Type Approval assessment report Ta 401, dated 2019-04-19
3. Test report by Co-Strap, witnessed by DNVGL, 2019-04-19
4. Technical data sheet 3GB161000350 galvanised wire buckle
5. Technical data sheet CS16STR

Tests carried out

Tension tests carried out according EN 12195-2, para. 6.3, three times with webbing only and para. 6.4, 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.

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