

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cargo Securing Devices

with type designation(s)
GW 105 KF & B10

Issued to
Grönheit & Weigel GmbH
Tönisvorst, Nordrhein-Westfalen, Germany

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 :

Polyester composite one way lashing

Break strength test results:

- | | linear | system |
|----|-----------|-------------|
| 1. | 1.490 daN | / 2.547 daN |
| 2. | 1.501 daN | / 2.511 daN |
| 3. | 1.483 daN | / 2.500 daN |

Linear: breaking strength of strapping only
System: system breaking strength of strapping connected by the buckle B10

Breaking strength of strapping: minimum 1450 daN

Place and date of test: Neuss, Germany, 2019-06-13

Issued at **Hamburg** on **2019-10-02**

This Certificate is valid until **2024-10-01** .
DNV GL local unit: **Essen**

Approval Engineer: **Joachim Rehbein**



for **DNV GL**

Digitally Signed By: Dau, Gabi
Location: DNV GL Hamburg, Germany
Signing Date: 2019-10-02, on behalf of

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.

