

## **PT GALANG USAHA MANDIRI** General Trading Company & Cargo Securing Solution

# TRIKARSA GROUP

# COMPANY PROFILE BUSINESS

Cargo Securing Solution

## CATALOGE UPDATE INFO

Registered as a General Trading Company, was established in Batam - Indonesia (2016).

The company business was formated through the parthership of well experiened individuals.







## Welcome! To Our Business

The company provides certified material for strapping and lashing materials, and other products for cargo securing and sea fastening purpose. In addition, the company also provide documentation services such as drawing and image (photography), moving image (video graph), aerial documentation (Drone), and post-production (editing).

Galang Usaha Mandiri has a sister company namely PT. Trikarsa Jasatama, a Freight Forwarding company, engaged in sea freight and vessel charter, custom brokerage, shipping agent, open yard and indoor storage, loading and unloading, project mobilization, and inland transportation.



#### Mision :

- To exceed customer expectations by prioritizing the quality of the product, effectiveness, efficiency in many aspects;
- To introduce our products and services in different establishment with passion and pride
- To give excellent trading services to achieve customer satisfaction

#### Mision :

 To become one of the most reliable distributor where our client completely rely on us in all aspects of business



## PT. GALANG USAHA MANDIRI



Cargo protection for Machinery and Equipment Manufacturers



Safe cargo securing for the Chemical Industry





Safe, efficient cargo security for the Steel and Metal Industry



**cordstrap** Keeping The World's Cargo Safe

### Cordstrap Composite Strapping

<u>cordstrap</u>



## Cordstrap Composite Strapping

Cordstrap's GL certified composite polyester strapping provides a high quality, reliable and strong solution to securing products of all shapes and sizes for transportation, however heavy, fragile or expensive they

may be.

A combination of application expertise and market leading cargo security knowledge allows Cordstrap's experts to demonstrate how best to apply our large range of strapping solutions to your specific cargo securing requirements in the most timely and reliable manner.

#### Features



High securing strength - up to 2600 daN / 5850 lbf



Extremely high strap and buckle joint efficiency



#### **Benefits**

#### Strong

Cordstrap composite polyester strap, together with a high quality galvanized steel buckle, provides optimal strength in all cargo securing applications and offer excellent performance even under extreme temperatures and circumstances.

#### Reliable

The combination of Cordstrap straps and buckles provides the most consistent and reliable closing method

for securing products, providing true peace of mind for sender and receiver.

#### Safe

Made of non-abrasive material, composite strapping is safe and easy to use. It will not damage products in



Comprehensive range of manual, battery operated and pneumatic tensioners available



Wide range of accessories to quarantee the best solution for every application



All Cordstrap Composite Strapping solutions are witness tested BV Germanisher Llovd

## PT. GALANG USAHA MANDIRI



## Cordstrap Composite Strapping

## Product Specification : Cordstrap Composite Strapping & Buckle

#### **Cordstrap Corded Polyester Strapping - CC50**

- Width : 16 mm - System Strength : 730 daN / 1.641 lbf

- Length : 850 meter / Roll

#### Cordstrap Corded Polyester Strapping - CC60

- Width : 19 mm
- System Strength : 810 daN / 1.821 lbf
- Length : 600 meter / Roll

#### Cordstrap Corded Polyester Strapping - CC85

- Width : 25 mm
- System Strength : 1.469 daN / 3.302 lbf
- Length : 500 meter / Roll

#### Cordstrap Corded Polyester Strapping - CC105

- Width : 32 mm
- System Strength : 2.568 daN / 5.773 lbf
- Length : 230 meter / Roll

#### **Cordstrap Galvanized Steel Buckle - CB5**

- Width : 16 mm
- Package : 1.000 pcs / Box

#### Cordstrap Galvanized Steel Buckle - CB6

- Width : 19 mm
- Package : 500 pcs / Box

#### Cordstrap Galvanized Steel Buckle - CB8

- Width : 25 mm
- Package : 250 pcs / Box

#### Cordstrap Galvanized Steel Buckle - CB10

- Width : 32 mm
- Package : 125 pcs / Box











CC50-CB5

CC60-CB6

CC85-CB8

CC105-CB10

## **Cordstrap Strapping Tools and Accessories**



Tensioner CT-25



Tensioner CT-40



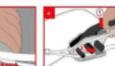
Tensioner CBT-35



Trolley Dispenser CPD-200KD

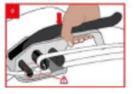














Cordstrap Polyester Corded Strapping CC50 / Buckle CB5



## VERIFICATION STATEMENT

For Strapping Material

#### Report no: N142CNB1

General Data: Manufacturer: Cordstrap E Place of test: Oostrum

Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands Oostrum

Item and tests:

Cordstrap® Polyester Corded Strapping CC50

The undersigned Surveyor of DNV herewith confirms having witnessed the testing of one-way load restraint systems on 26-04-2022

The following tests were carried out:

Overall system breaking strength testing of Cordstrap<sup>®</sup> polyester corded strapping type Cordstrap<sup>®</sup>CC50 in a closed loop in combination with buckle CB5:

Meets required minimum System Breaking Strength according to manufacturer specification: 612 daN / 1346 lbf

#### Remarks:

The above-mentioned tests were carried out on a calibrated test bench.

This witness report does not have an expiration date, however Cordstrap has chosen to renew witness reports every 3 years as part of their quality management processes.

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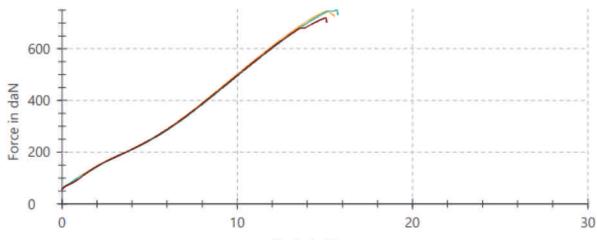
### Cordstrap Polyester Corded Strapping CC50 / Buckle CB5



#### Page 2 of 2

#### Test results:

- Average actual strength: 739 daN / 1626 lbf
- Series Graph:



Strain in %

#### Oostrum, 26-04-2022



DNV report\_N142CNB1\_CC50\_CB5



Cordstrap Polyester Corded Strapping CC60 / Buckle CB6



## VERIFICATION STATEMENT

For Strapping Material

#### Report no: N142CNB2

General Data: Manufacturer: 0 Place of test: 0

Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands Oostrum

Item and tests:

Cordstrap® Polyester Corded Strapping CC60

The undersigned Surveyor of DNV herewith confirms having witnessed the testing of one-way load restraint systems on 26-04-2022

The following tests were carried out:

Overall system breaking strength testing of Cordstrap<sup>®</sup> polyester corded strapping type Cordstrap<sup>®</sup>CC60 in a closed loop in combination with buckle CB6:

Meets required minimum System Breaking Strength according to manufacturer specification: 684 daN / 1505 lbf

#### Remarks:

The above-mentioned tests were carried out on a calibrated test bench.

This witness report does not have an expiration date, however Cordstrap has chosen to renew witness reports every 3 years as part of their quality management processes.

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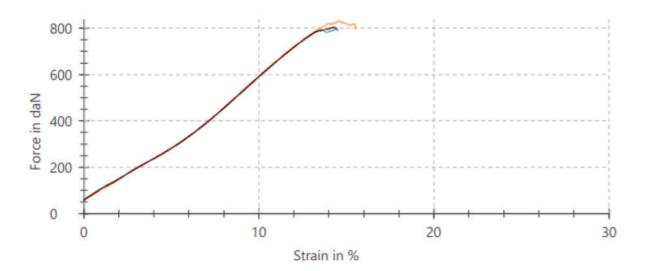
Cordstrap Polyester Corded Strapping CC60 / Buckle CB6



Page 2 of 2

Test results:

- Average actual strength: 810 daN / 1782 lbf
- Series Graph:



#### Oostrum, 26-04-2022



DNV report\_N142CNB2\_CC60\_CB6



Cordstrap Polyester Corded Strapping CC85 / Buckle CB8L

## DNV·GL

### VERIFICATION STATEMENT FOR LASHING MATERIAL

Report no: N141W2UW

<u>General Data:</u> Manufacturer: Place of test:

Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands Oostrum

Item and tests:

Cordstrap® Polyester Corded Strapping CC85

The undersigned Surveyor of DNVGL herewith confirms having witnessed the testing of one-way load restraint systems on 2019-04-16

The following tests were carried out:

#### Item and tests:

Overall system breaking strength testing of Cordstrap<sup>®</sup> polyester corded strapping type Cordstrap<sup>®</sup>CC85 in a closed loop in combination with buckle CB8L:

Meets required minimum System Breaking Strength according manufacturer specification: 1049 daN / 2309 lbf

#### Remarks:

The above mentioned tests were carried out on a calibrated test bench.

This witness report does not have an expiration date, however Cordstrap has chosen to renew witness reports every 3 years as part of their quality management processes.

Oostrum, 2019-04-16



This document has been digitally signed and will therefore not have handwritten signatures Cappellen, Geert van Surveyor

#### Test results:

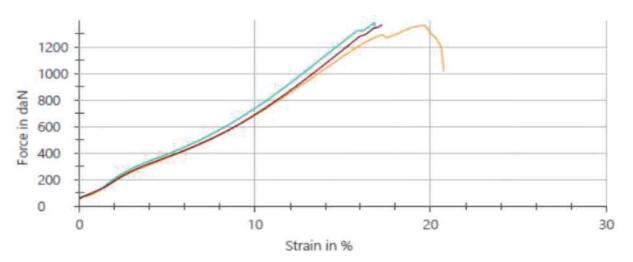
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## Cordstrap Polyester Corded Strapping CC85 / Buckle CB8L

Page 2 of 2

- Average actual strength: 1370daN
- Series Graph:



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Cordstrap Polyester Corded Strapping CC105 / Buckle CB10



## VERIFICATION STATEMENT

For Strapping Material

#### Report no: N142CNB7

General Data: Manufacturer: Place of test:

Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands Oostrum

Item and tests:

Cordstrap<sup>®</sup> Polyester Corded Strapping CC105

The undersigned Surveyor of DNV herewith confirms having witnessed the testing of one-way load restraint systems on 26-04-2022

The following tests were carried out:

Overall system breaking strength testing of Cordstrap<sup>®</sup> polyester corded strapping type Cordstrap<sup>®</sup>CC105 in a closed loop in combination with buckle CB10:

Meets required minimum System Breaking Strength according to AAR requirements: 2340 daN / 5148 lbf

#### Remarks:

The above-mentioned tests were carried out on a calibrated test bench.

This witness report does not have an expiration date, however Cordstrap has chosen to renew witness reports every 3 years as part of their quality management processes.

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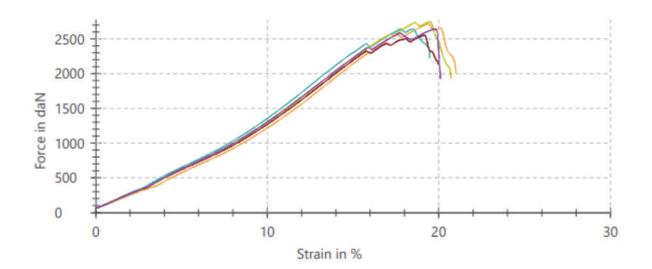
## Cordstrap Polyester Corded Strapping CC105 / Buckle CB10



#### Page 2 of 2

#### **Test results:**

- Average actual strength: 2660 daN / 5852 lbf
- Series Graph:



#### Oostrum, 26-04-2022



DNV report\_N142CNB7\_CC105\_CB10

### Cordstrap Woven Lashing

cordstrap



## Cordstrap Lashing

Cordstrap lashing, known as Cordlash®, is the most effective way to secure cargo for international shipping wherever it may be, on any transport unit containers, flat racks, railcars or ships.

Cordstrap's polyester one-way lashings have many advantages over conventional securing products such as steel straps, chains or wood blocking and bracing. Cordlash® eliminates incidents and damage to your cargo.

Strong, reliable and safe, Cordlash® complies fully with the latest rules and regulations. Ensuring that your responsibilities as a shipper are met and that your cargo passes through controls in the logistics chain quickly and without any hold up. Arriving at its destination safely and in perfect condition.



#### **Optimal Security**

Made of high tenacity polyester yarn to ensure maximum strength, Cordlash® has many advantages over conventional products. It ensures that your cargo arrives at its destination in the same condition as when dispatched.



### Safe

Cordstrap's woven lashing solutions are non-abrasive and safe for both operator and cargo. Optimized lashing and buckle combinations maintain securing function for dynamic and static loads during the most severe transport conditions.



#### **Fully Certified**

The quality and performance of our lashing is undisputed as it complies with the latest national and global regulations. It is GL certified, AAR approved and CTU Code compliant.

#### Expert Support

Cordstrap Lashing is fully supported by training and implementation from local cargo securing experts enabling efficiency, standardization and consistency in how your cargo is secured.



## PT. GALANG USAHA MANDIRI



## Cordstrap Woven Lashing

## **Product Specification : Cordstrap Woven Lashing & Buckle**

#### Cordstrap Woven 105 - CW105

- Width : 32 mm // 1,1/4"
- System Strength : 3.025 daN / 6.801 lbf
- Length : 250 meter / Roll

#### Cordstrap Woven 200 - CW200

- Width : 40 mm // 1,5/8"
- System Strength : 9.060 daN / 20.367 lbf
- Length : 200 meter / Roll

#### Cordstrap Woven 750 - CW750

- Width : 50 mm // 2"
- System Strength : 13.204 daN / 29.685 lbf
- Length : 150 meter / Roll

#### Cordstrap Woven 1500 - CW1500

- Width : 60 mm // 2,3/8"
- System Strength : 23.889 daN / 53.705 lbf
- Length : 100 meter / Roll

#### **Cordstrap High Dynamic Buckle - HDB10N**

- Width : 32 mm // 1,1/4"
- Package : 50 pcs / Box

#### Cordstrap High Dynamic Buckle - HDB12N

- Width : 40 mm // 1,5/8"
- Package : 30 pcs / Box

#### Cordstrap Dynablock 15 - DLB15

- Width : 50 mm // 2"
- Package : 20 pcs / Box

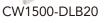
#### Cordstrap Dynablock 20 - DLB20

- Width : 60 mm // 2,3/8"
- Package : 6 pcs / Box









## **Cordlash Tools and Accessories**





Tensioner CT-40

Tensioner **CRT-50** 

Tensioner

CRT-60



Tensioner CBT-35





#### www.galangusaha.com



Polyester Woven Lashing Type Cordlash 105 / Buckle HDB10N

## DNV.GL

#### **Technical Inspection Report**

#### Statement No. N1406CAA.

General Data:	
Manufacturer:	Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands
Place of test:	Oostrum

Item and tests:

Polyester Woven Lashing Type Cordlash® 105

The undersigned Surveyor of DNVGL herewith confirms having witnessed the testing of one-way load restraint systems on 2015-03-18

Der unterzeichnende Besichtiger des DNVGL bestätigt hiermit, dass er am 2015-03-18 Versuchen mit Einweg-Ladungssicherungs-Gurtsystemen beigewohnt hat.

#### The following tests were carried out:

Folgende Versuche wurden durchgeführt:

#### 1) Linear breaking strength testing of Cordlash® polyester woven lashing type Cordlash® 105 :

- 1) Prüfung der linearen Bruchfestigkeit des gewebten Cordlash® Polyesterbandes Typ Cordlash®105:
  - Average actual strength: 2507 daN / 5636 lbf
     Durchschnittswert erreichter Bruchlast: 2507 daN / 5636 lbf
  - Average elongation at Break Strength: 13% Durchschnittlicher Dehnungswert bei Bruch: 13%
- 2) Overall system breaking strength testing of Cordlash<sup>®</sup> polyester woven lashing type Cordlash<sup>®</sup>105 in a closed loop in combination with buckle HDB10N:
- Pr
  üfung der Systembruchfestigkeit des gewebten Polyesterbandes Typ Cordlash®105 in einem geschlossenen system mit dem Verschluss HDB10N:
  - Average actual strength: 4175 daN / 9386 lbf Durchschnittswert erreichter Bruchlast: 4175 daN / 9386 lbf

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#### Polyester Woven Lashing Type Cordlash 105 / Buckle HDB10N

Page 2 of 2

Remarks:

The above mentioned tests were carried out on a calibrated test bench. Die genannten Versuche wurden auf einer geeichten Prüfbank durchgeführt.

The above mentioned average test values are the mean value from three tests all within applicable test specifications. Die genannten Durchschnittswerte sind die Mittelwerte aus drei Versuchen alle innerhalb geltenden Prüfvorschriften.

Oostrum 2015-03-18



for DNV GL This document has been digitally signed and will therefore not have handwritten signatures. Steenhoven, Henri van der

Surveyor

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[Legal information]

N1406CAA Cordlash105 HDB10N.doc

### Polyester Woven Lashing Type Cordlash 200 / Buckle HDB12

### **Technical Inspection Report**

#### Report no: N1418MNC

 General Data:

 Manufacturer:
 Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands

 Place of test:
 Oostrum

Item and tests:

Polyester Woven Lashing Type Cordlash<sup>®</sup>200

The undersigned Surveyor of DNVGL herewith confirms having witnessed the testing of one-way load restraint systems on 2016-03-31

Der unterzeichnende Besichtiger des DNVGL bestätigt hiermit, dass er am 2016-03-31 Versuchen mit Einweg-Ladungssicherungs-Gurtsystemen beigewohnt hat.

#### The following tests were carried out:

Folgende Versuche wurden durchgeführt:

- 1) Linear breaking strength testing of Cordlash® polyester woven lashing type Cordlash®200:
- 1) Prüfung der linearen Bruchfestigkeit des gewebten Cordlash® Polyesterbandes Typ Cordlash®200:
  - Average actual strength: 5400 daN / 12140 lbf
     Durchschnittswert erreichter Bruchlast: 5400 daN / 12140 lbf
  - Average elongation at Lashing Capacity (LC) 1667 daN / 3748 lbf: 5.18 % Durchschnittlicher Dehnungswert bei Lashing Capacity (LC): 1667 daN / 3748 lbf: 5.18 %
  - Average elongation at Break Strength: 13.69% Durchschnittlicher Dehnungswert bei Bruch: 13.69%
- 2) Overall system breaking strength testing of Cordlash<sup>®</sup> polyester woven lashing type Cordlash<sup>®</sup> 200 in a closed loop in combination with buckle HDB12:
- Pr
  üfung der Systembruchfestigkeit des gewebten Polyesterbandes Typ Cordlash
  <sup>®</sup>200 in einem geschlossenen system mit dem Verschluss HDB12:
  - Average actual strength: 9060 daN / 20367 lbf Durchschnittswert erreichter Bruchlast: 9060 daN / 20367 lbf
  - Average elongation at Break Strength: 12.28%
     Durchschnittlicher Dehnungswert bei Bruch: 12.28%

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## DNV - GL Certification





#### Polyester Woven Lashing Type Cordlash 200 / Buckle HDB12

Page 2 of 2

Remarks:

The above mentioned tests were carried out on a calibrated test bench. Die genannten Versuche wurden auf einer geeichten Prüfbank durchgeführt.

The above mentioned average test values are the mean value from three tests all within applicable test specifications. Die genannten Durchschnittswerte sind die Mittelwerte aus drei Versuchen alle innerhalb geltenden Prüfvorschriften.

\* According to principles laid down in the EN 12195-2 standard

\*\* In Anlehnung an die Prüfungsbedingungen der EN 12195-2

Oostrum, 2016-03-31



for DNV GL This document has been digitally signed and will therefore not have handwritten signatures. Steenhoven, Henri van der Surveyor

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**Cordstrap** Keeping The World's Cargo Safe

### **DNV - GL Certification**

Polyester Woven Lashing Type Cordlash 750 / Dynablock 15 - DLB15

## DNV.GL

#### **Technical Inspection Report**

#### Report no: 1360-14-32929-03

 General Data:

 Manufacturer:
 Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands

 Place of test:
 Oostrum

Item and tests:

Polyester Woven Lashing Type Cordlash®750

The undersigned Surveyor of DNVGL herewith confirms having witnessed the testing of one-way load restraint systems on 2014-08-20

Der unterzeichnende Besichtiger des DNVGL bestätigt hiermit, dass er am 2014-08-20 Versuchen mit Einweg-Ladungssicherungs-Gurtsystemen beigewohnt hat.

#### The following tests were carried out:

Folgende Versuche wurden durchgeführt:

#### 1) Linear breaking strength testing of Cordlash® polyester woven lashing type Cordlash®750:

1) Prüfung der linearen Bruchfestigkeit des gewebten Cordlash® Polyesterbandes Typ Cordlash®750:

- Average actual strength: 7753.6 daN / 17430.8 lbf
   Durchschnittswert erreichter Bruchlast: 7753.6 daN / 17430.8 lbf
- Average elongation at Lashing Capacity (LC) 2250 daN / 5058 lbf: 4.45 % Durchschnittlicher Dehnungswert bei Lashing Capacity (LC): 2250 daN / 5058 lbf: 4.45 %
- Average elongation at Maximum Securing Load (MSL) 3750 daN / 8430 lbf: 6.94% Durchschnittlicher Dehnungswert bei Maximum Securing Load (MSL) 3750 daN / 8430 lbf: 6.94%
- Average elongation at Break Strength: 12.52%
   Durchschnittlicher Dehnungswert bei Bruch: 12.52%
- Overall system breaking strength testing of Cordlash<sup>®</sup> polyester woven lashing type Cordlash<sup>®</sup>750 in a closed loop in combination with buckle Dynablock<sup>®</sup>15:
- - Average actual strength: 13204.6 daN / 29685.1 lbf Durchschnittswert erreichter Bruchlast: 13204.6 daN / 29685.1 lbf
  - Average elongation at Maximum Securing Load (MSL) 6000 daN / 13489 lbf: 6.97% Durchschnittlicher Dehnungswert bei Maximum Securing Load (MSL) 6000 daN / 13489 lbf: 6.97%
  - Average elongation at Break Strength: 12.20%
     Durchschnittlicher Dehnungswert bei Bruch: 12.20%

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Polyester Woven Lashing Type Cordlash 750 / Dynablock 15 - DLB15

#### Page 2 of 2

- Cycle loading test 100 alternations between 0.2 LC (900 daN / 2023 lbf) and 1.0 LC (4500 daN / 10116 lbf) load of Cordlash® polyester woven lashing type Cordlash®750 in a closed loop in combination with buckle Dynablock®15\*:
- Wechselspannungspr
  üfung 100 Lastwechsel zwischen 0.2 LC (900 daN / 2023 lbf) und 1.0 LC (4500 daN / 10116 lbf) Belastung des gewebten Cordlash® Polyesterbandes Typ Cordlash®750 in einem geschlossenen system mit dem Verschluss Dynablock 15<sup>®\*\*</sup>:
  - Average settling of lashing in buckle after testing: 3.7mm / 0.1457 inch Durchschnittlicher Schlupf des Gurtdbandes nach dem test: 3.7 mm / 0.1457 inch

#### Remarks:

The above mentioned tests were carried out on a calibrated test bench. Die genannten Versuche wurden auf einer geeichten Prüfbank durchgeführt.

The above mentioned average test values are the mean value from three tests all within applicable test specifications. Die genannten Durchschnittswerte sind die Mittelwerte aus drei Versuchen alle innerhalb geltenden Prüfvorschriften.

\* According to principles laid down in the EN 12195-2 standard

\*\* In Anlehnung an die Prüfungsbedingungen der EN 12195-2

Oostrum, 20. August 2014



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## DNV - GL Certification

Polyester Woven Lashing Type Cordlash 1500 / Dynablock 20 - DLB20

## DNV.GL

#### **Technical Inspection Report**

#### Report no: 1360-14-32929-08

 General Data:

 Manufacturer:
 Cordstrap BV, Nobelstraat 1, 5807 GA Oostrum, The Netherlands

 Place of test:
 Oostrum

Item and tests:

Polyester Woven Lashing Type Cordlash®1500

The undersigned Surveyor of DNVGL herewith confirms having witnessed the testing of one-way load restraint systems on 2014-08-21

Der unterzeichnende Besichtiger des DNVGL bestätigt hiermit, dass er am 2014-08-21 Versuchen mit Einweg-Ladungssicherungs-Gurtsystemen beigewohnt hat.

#### The following tests were carried out:

Folgende Versuche wurden durchgeführt:

- 1) Linear breaking strength testing of Cordlash® polyester woven lashing type Cordlash®1500:
- 1) Prüfung der linearen Bruchfestigkeit des gewebten Cordlash® Polyesterbandes Typ Cordlash®1500:
  - Average actual strength: 13469.8 daN / 30281.3 lbf Durchschnittswert erreichter Bruchlast: 13469.8 daN / 30281.3 lbf
  - Average elongation at Lashing Capacity (LC) 4500 daN / 10116 lbf: 5.70 % Durchschnittlicher Dehnungswert bei Lashing Capacity (LC): 4500 daN / 10116 lbf: 5.70 %
  - Average elongation at Maximum Securing Load (MSL) 6750 daN / 15175 lbf: 7.99%
     Durchschnittlicher Dehnungswert bei Maximum Securing Load (MSL) 6750 daN / 15175 lbf: 7.99%
  - Average elongation at Break Strength: 12.08%
     Durchschnittlicher Dehnungswert bei Bruch: 12.08%
- Overall system breaking strength testing of Cordlash® polyester woven lashing type Cordlash®1500 in a closed loop in combination with buckle Dynablock®20:
- Pr
  ü
  f
  ung der Systembruchfestigkeit des gewebten Polyesterbandes Typ Cordlash
  <sup>®</sup>1500 in einem geschlossenen system mit dem Verschluss Dynablock<sup>®</sup>20:
  - Average actual strength: 23889.5 daN / 53705.8 lbf Durchschnittswert erreichter Bruchlast: 23889.5 daN / 53705.8 lbf
  - Average elongation at Maximum Securing Load (MSL) 10000 daN / 22481 lbf: 7.32%
     Durchschnittlicher Dehnungswert bei Maximum Securing Load (MSL) 10000 daN / 22481 lbf: 7.32%
  - Average elongation at Break Strength: 13.08%
     Durchschnittlicher Dehnungswert bei Bruch: 13.08%

## PT. GALANG USAHA MANDIRI



## **DNV - GL Certification**

Polyester Woven Lashing Type Cordlash 1500 / Dynablock 20 - DLB20

- 3) Cycle loading test 100 alternations between 0.2 LC (1620 daN / 3642 lbf) and 1.0 LC (8100 daN / 18210 lbf) load of Cordlash® polyester woven lashing type Cordlash®1500 in a closed loop in combination with buckle Dynablock®20\*:
- 3) Wechselspannungsprüfung 100 Lastwechsel zwischen 0.2 LC (1620 daN / 3642 lbf) und 1.0 LC (8100 daN / 18210 lbf) Belastung des gewebten Cordlash® Polyesterbandes Typ Cordlash®1500 in einem geschlossenen system mit dem Verschluss Dynablock®20\*\*:
  - Average settling of lashing in buckle after testing: 6.7 mm / 0.2638 inch Durchschnittlicher Schlupf des Gurtdbandes nach dem test: 6.7 mm / 0.2638 inch

Remarks:

The above mentioned tests were carried out on a calibrated test bench. Die genannten Versuche wurden auf einer geeichten Prüfbank durchgeführt.

The above mentioned average test values are the mean value from three tests all within applicable test specifications. Die genannten Durchschnittswerte sind die Mittelwerte aus drei Versuchen alle innerhalb geltenden Prüfvorschriften.

\* According to principles laid down in the EN 12195-2 standard

\*\* In Anlehnung an die Prüfungsbedingungen der EN 12195-2

Oostrum, 2014-08-27





Surveyor to DNVGL (H van der Steenhoven)

DNV GL Headquarters, Veritasveien 1, P.O.Box 300, 1322 Høvik, Norway. Tel: +47 67 57 99 00. www.dnvgl.com

Management Board: T. Neumann-Overholthaus • N. M. Appel • Managing Directors: T. Neumann-Overholthaus • N. M. Appel Germanischer Lloyd Netherlands B.V., Registered Office Rotterdam No. 24315444 The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable.

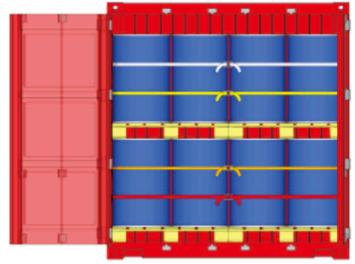


## Cordstrap Anchorlash

Anchorlash® is the versatile solution for light to medium loads. Using the strongest existing anchor points within th container, Anchorlash® can adapt to your specific cargo, whether that's carton boxes, plastic drums, big bags or other soft packaging, providing cargo protection on any modality or route.

Designed to be quick and easy to apply consistently, with color-coded lashing to easily show the order that the precut lashing should be applied and optional snap hooks to further speed up application. It's delivered in packaging that contains everything you need to secure one container minimising preparation time, so one person can secure a container in minutes helping to reduce load times and costs.

At Cordstrap, we are committed to supporting and driving safety in our industry. The Anchorlash® solution provides CTU Code Compliant cargo protection, supporting your responsibilities when shipping nationally or internationally. We know that each customer has specific requirements, and will therefore work closely with you to understand your business needs, and your cargo variables - type, weight, transport mode, route, so that we can calculate and advise on the best securing solution for you.





#### Cordstrap Anchorlash® protects your cargo, your people and your brand



High quality lashing solutions secure cargo to prevent movement within the container, protecting both the cargo and ensuring the safety of everyone involved in the supply chain.



Designed to be easy and quick to apply consistently, saving time and cost during loading and application.



All Cordstrap lashing solutions are CTU Code compliant and have independent witness verification.



#### Cordstrap Container Solutions: AnchorLash® Range

	Standard	S⊦
AnchorLash® 105.3	3 pairs of colour coded horizontal lashings with a stitched loop at the end to attach to the container anchor point, and 3 buckles	3 µ wi an
AnchorLash® 105.4	4 pairs of colour coded horizontal lashings with a stitched loop at the end to attach to the container anchor point, and 4 buckles	4 µ wi co

H (Snap hook)

pairs of colour coded horizontal lashings ith a snap hook to attach to the container nchor point, and 3 buckles

pairs of colour coded horizontal lashings ith a snap hook at the end to attach to the ontainer anchor point, and 4 buckles

Anchorlash® is CTU Code Compliant, certified by MariTerm AB, Eurosafe and DNV-GL witnessed. Your Cordstrap Cargo Securing Expert can advise you on the best solution for your specific requirements. Securing values vary based on cargo type, transport mode and friction factor. For full details of the solution performance, please refer to the commercial specification sheet and MariTerm certificate.

#### Tailor the solution for your specific cargo type

Edge protection and hang straps keep lashing in an optimal position and protect packaging

Elastic woven lashing for flexible retaining







Hang Strap



**Retainer Buckle** (Compressible Bulk

EdgeBoards (Soft Packaging)

FlexBoards (Drums and

I AnchorLash® can be used in a reefer container with a Reefer Lashing Point

**IBC** Protector



**Reefer Lashing Point** 

Use the recommended tools to enable easy, fast and consistent application



**Battery Tensioner** CBT35



Manual Tensioner CT40 (2)



**Container Magnets** 

These are the recommended tensioners. Other tensioners may also be suitable.







**IBC Friction Test** 

The container inclined to 35°



The container inclined to 43°

#### Email : sales@galangusaha.com

#### www.galangusaha.com



### Cordstrap AnchorLash® 105.4 20FT & 40FT – Instructions – Small Soft BigBags





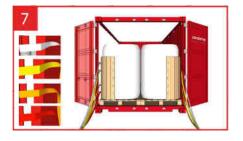
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### Cordstrap AnchorLash® 105.4 20FT & 40FT – Instructions – Large Soft BigBags

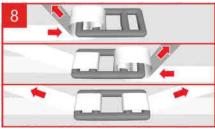




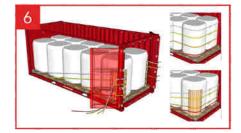




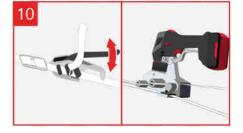


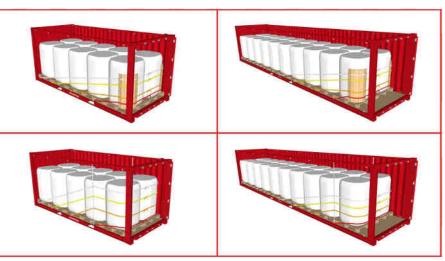
















Cordstrap AnchorLash® 105.4 20FT & 40FT – Instructions – Standard Crate



Cordstrap Keeping The World's Cargo Safe

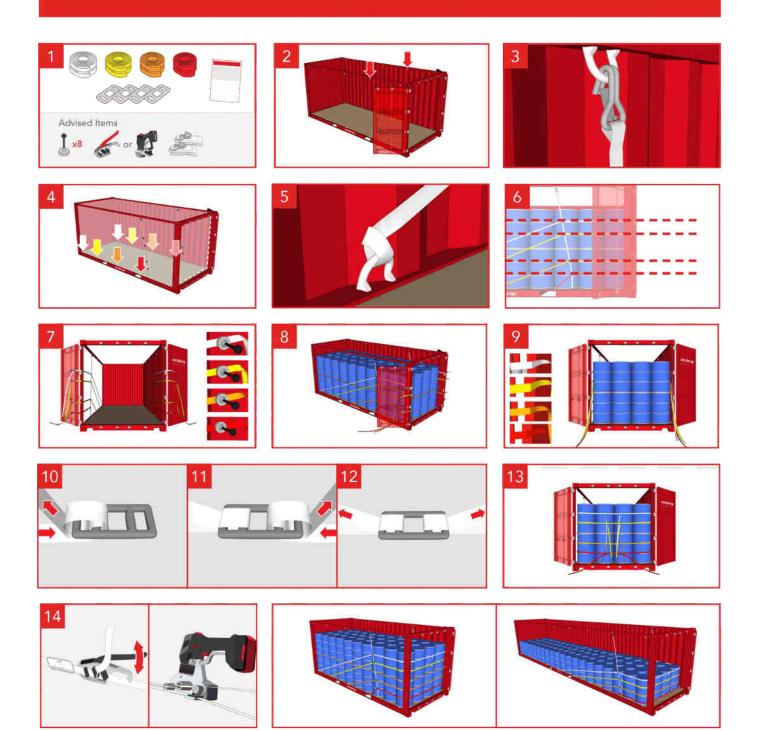
## Secure light and medium weight Container loads

## Cordstrap AnchorLash® 105.4 20FT & 40FT – Instructions – IBC's





## Cordstrap AnchorLash® 105.4 20FT & 40FT – Instructions – Steel Drums







## **Cordstrap Applications**

## Cordstrap Applications

Cordstrap's cargo applications are engineered to deliver the maximum protection for goods during shipping. Cordstrap application specialists work with each customer to design a tailor-made solution that matches their specific shipping challenges. A customized approach that delivers ultimate peace of mind.

#### "Maximum protection ... maximum peace of mind "





#### Cordstrap palletizing solutions offer a unique combination of flexible texture and high retained tension; making them suitable for securing any type, size or weight of product.

Cordstrap's cargo unitizing and bundling solutions have a high level of retained tension that ensures bundles keep their original form. These solutions allow products to be picked up and also stacked.



### Containerization

Cordstrap make containerization as easy, fast and cost effective as possible. The composite lashing solutions and dunnage bags that Cordstrap have developed, are specifically designed to prevent the movement of cargo

## Palletizing and Bundling

This combination of solutions can transform cargo, even if of irregular shape, into transportable units that can be shipped worldwide without damage.

Cordstrap's Palletizing, Unitizing and Bundling Solutions are:

- Easy, fast and safe to apply
- Protective
- Strong
- Reliable
- Lightweight

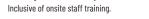


## **Railcar Securing**

Forces in excess of 4G can easily be generated during shunting. Cordstrap's dynamic cargo securing solutions provide a high degree of shock absorbency, critical in this event.

#### Cordstrap's Containerization Solution are :

- Time Efficient;
- Protective;
- Light weight;
- Portable:
- Certified and approved by organizations
- including Germanischer Lloyd and AAR;



#### Cordstrap's Flat Rack Securing Solution are :

- Easy, fast, and safe to apply;
- Highly shock-absorbent;
- Tension retentive;
- Certified and approved by Germanischer Llovd (GL):
- Inclusive of onsite staff training.



### **Flat Rack Securing**

Valuable cargo can be exposed to extreme external irfluences on flat racks. Cordstrap's dynamic cargo securing solutions protect against these and ensure cargo arrives at its destination without damage.



## **Ship Securing**

Cordstrap's heavy-duty polyester lashings facilitate dynamic cargo securing solutions that will not damage cargo during the voyage and are easily applied in confined spaces such as a ship's hull.

#### Cordstrap's Railcar Securing Solution are :

- Easy, fast, and safe to apply;
- Highly shock absorbent;
- Tension retentive;
- Certified and approved by organizations
- including Germanischer Lloyd and AAR; Inclusive of onsite staff training.

#### Cordstrap's Ship Securing Solution are :

- Fasy, fast, and safe to apply:
- Highly shock absorbent;
- Prolective:
- Light weight:
- Portable;
- Re-tension able:
- Certified and approved by organizations including Germanischer Llovd and IMO.

Email : sales@galangusaha.com

## **Our Client**

## **Our Company Client**

## **ENTEK**

PT. ENTEK SEPARINDO ASIA

## vallourec

PT. CITRA TUBINDO - A Group of Vallourec



PT. HUNTING ENERGY ASIA

Production Solutions PT. PROFAB INDONESIA

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**T. BETON PERKASA WIJAKSANA** 

SUSPEX

PT. NX SHOJI INDONESIA

PT. BERDIRI MATAHARI LOGISTIK / HITACHI TRANSPORT SYSTEM INDONESIA

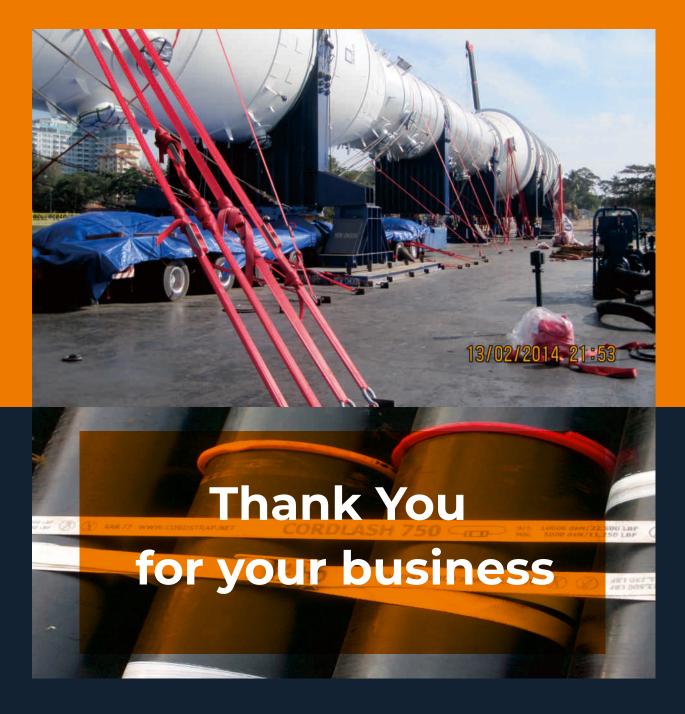
PT. OHGISHI INDONESIA

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KORINDO PT. KHI - STEEL STRUCTURE





## **Contact Us.**

## PT GALANG USAHA MANDIRI

#### General Trading Company & Cargo Securing Solution

#### **Address**

Batam : Jl. Yos Sudarso, Komplek Sentosa Purnama Jaya, Blok B No. 1, Batu Ampar Batam

Jakarta : Perumahan Permata Puri Media Ruko Blok C2 No. 24, Kembangan Jakarta Barat

#### Phone

Tel. +62 778 458 048 Fax +62 778 456 734 Phone +62 811 7750 906 / +62 813 6529 5255 / +62 811 7770 126

#### Email

sales.btm@galangusaha.com sales@galangusaha.com

#### Website

www.galangusaha.com