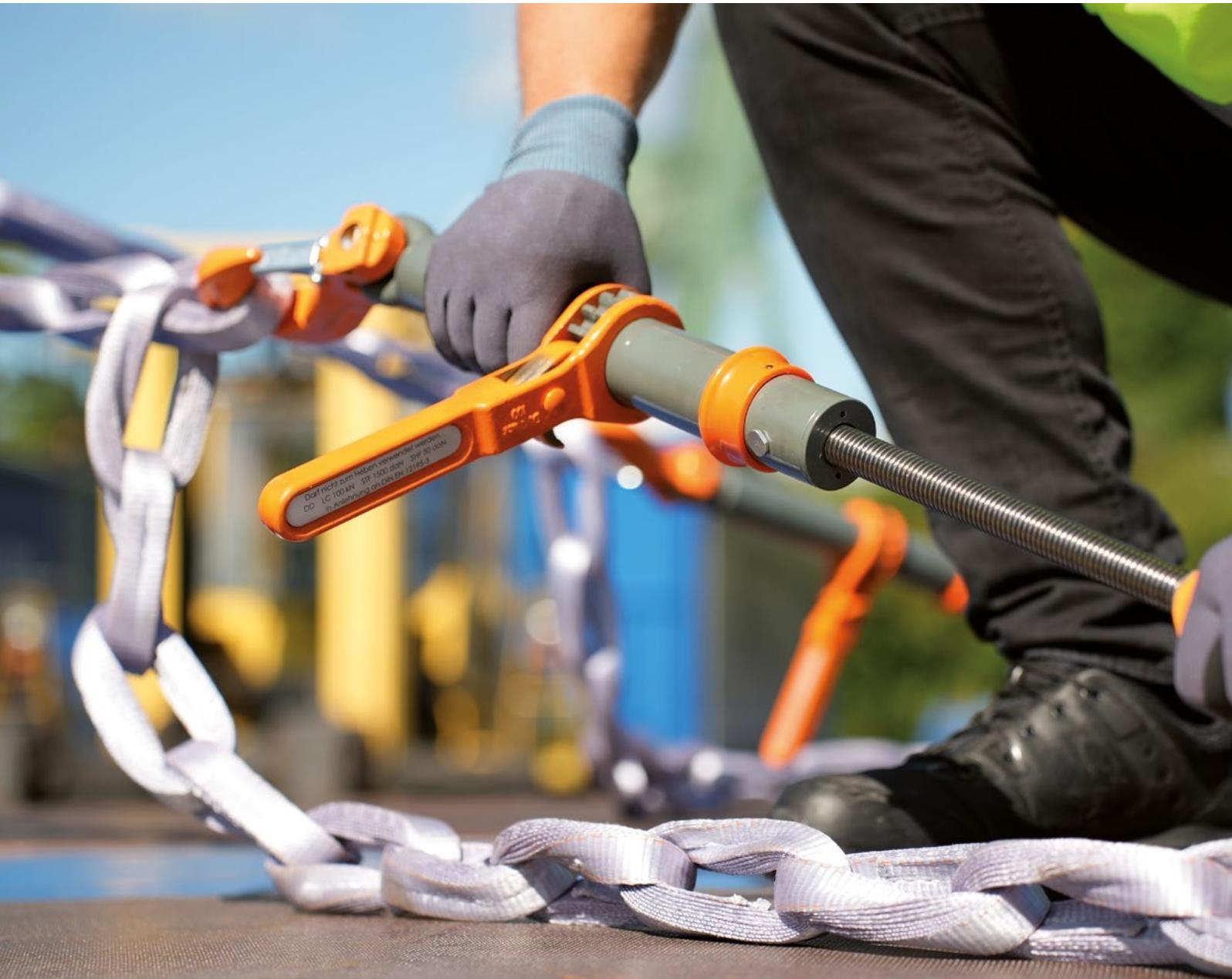


TIMES ARE CHANGING

Lighter, faster and more ergonomic lashing
DoNova[®] PowerLash

The idea:

Replacing heavy steel chains with lightweight high-tech textile chains

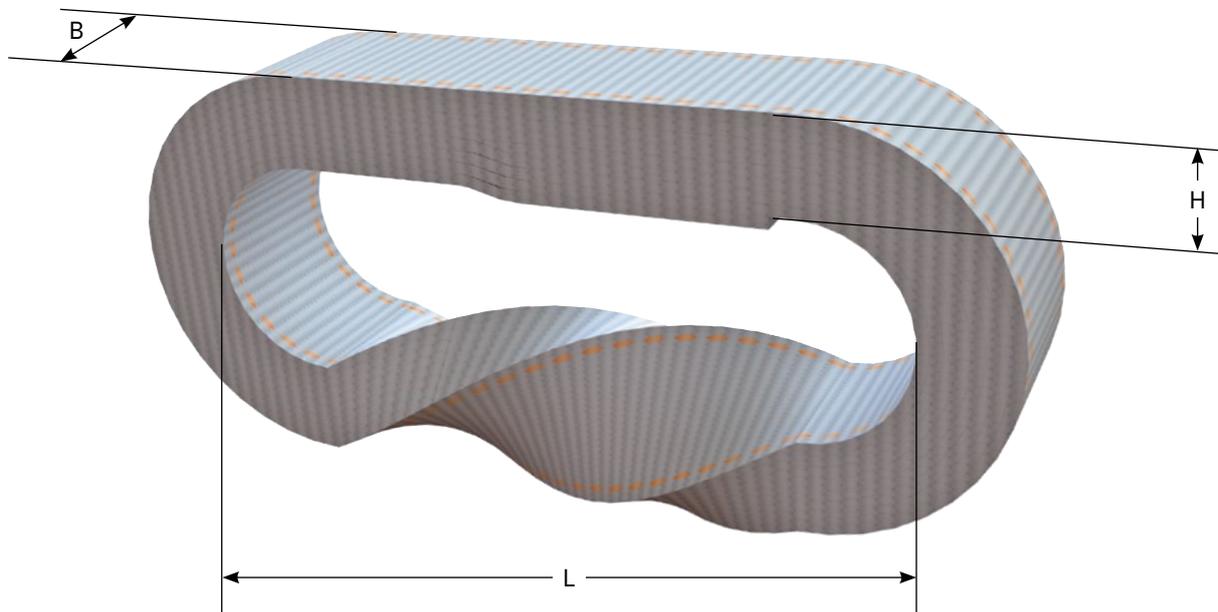


The textile chain DoNova® is made of individual chain links like a steel chain. These links are placed one inside the other. The unique feature: Each DoNova® chain link consists of several layers of webbing, which is laid and sewn in a so-called Möbius ring. The webbing is made of the high-performance fiber Dyneema® (HMPE). In terms of weight, Dyneema® is 15 times stronger than quality steel and up to 40% stronger than aramid fiber.

This patented design creates unique advantages because the DoNova® is just as tear-resistant as high-strength steel chains. Despite this strength, the DoNova® has 85% less weight per meter. The DoNova® PowerLash is used when securing needs to be done faster and more efficiently.

Our promise: "Working safely has never been so easy!"

Technical characteristics



| DoNova® Version | 25/8 | 25/10 | 30/8 | 30/10 |
|------------------------------|------------|------------|------------|------------|
| Link division (L) **/** | 100 mm | 100 mm | 125 mm | 143 mm |
| Chain thickness (H) **/** | 12,5 mm | 15,5 mm | 16,3 mm | 19,4 mm |
| Chain width (B) **/** | 25 mm | 25 mm | 30 mm | 30 mm |
| Weight per meter | ≈0,61 kg/m | ≈0,79 kg/m | ≈0,90 kg/m | ≈1,10 kg/m |
| Minimum breaking force (MBF) | 200 kN | 252 kN | 320 kN | 407 kN |
| Lashing capacity (LC) | 10.000 daN | 12.500 daN | 16.000 daN | 20.000 daN |

*Dimensions with load of 6% MBF

**Tolerances: Link division +5 / +0 mm | chain thickness ± 4% | chain width ± 1 mm



DoNova® PowerLash
in our online shop



DoNova® PowerLash

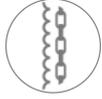
Heavy-load securing made easy!

The DoNova® PowerLash lashing chain can easily compete with high-strength steel chains up to grade 120 and nominal sizes up to 16 mm. The extremely low weight ensures easy handling of the heavy-duty securing system and also makes it possible for considerably longer lashing chains – e.g. with a usable length of 20 m and more – to be used by just one person.

Advantages of the textile chain



Technical advantages:

-  Just as tear-resistant as steel chains
-  Especially abrasion resistant compared to other textile load securing equipment
-  Proven UV resistance thanks to "Skin Core Effect"
-  Floatable (pure yard goods)
-  Chemical and seawater resistant – cannot rust!

Advantages for the user:

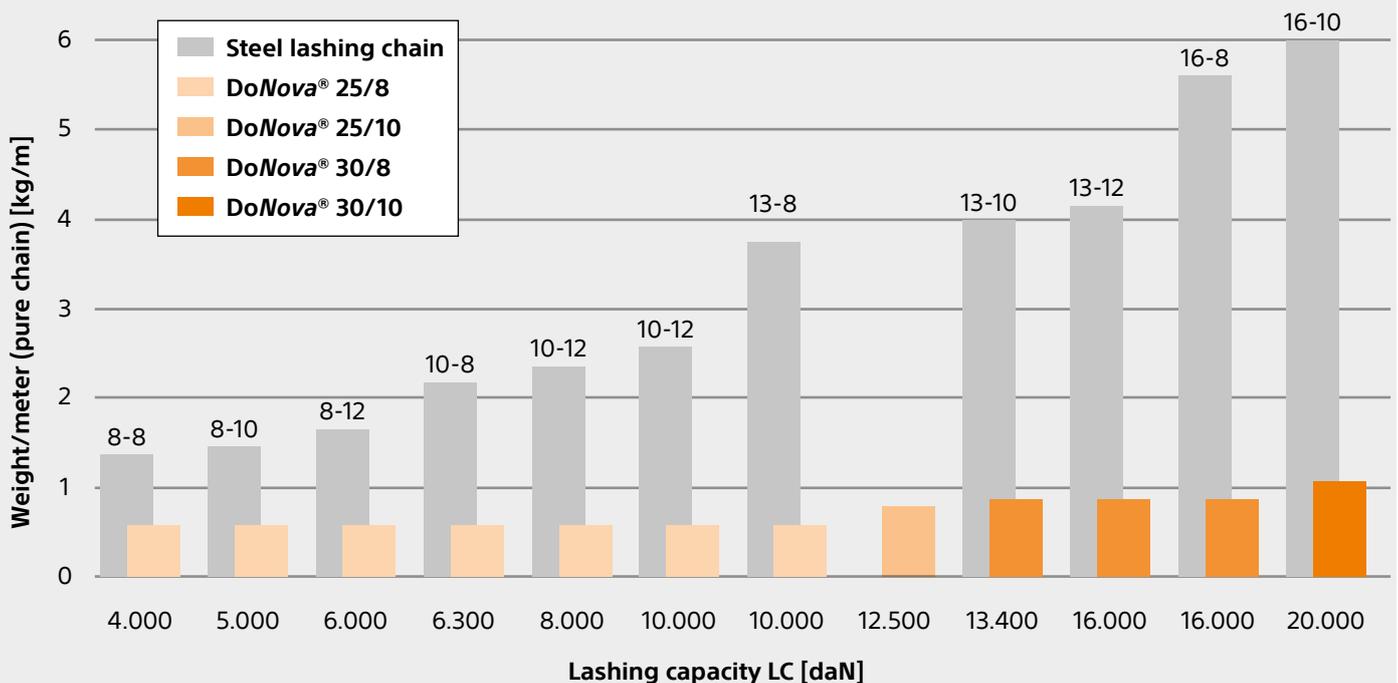
-  Reduces noise
-  Ergonomic working thanks to lower weight
-  Easy handling by only one person
-  Textile material is gentle on sensitive surfaces and also the user's hands
-  Thanks to shortening hooks: Easier to shorten than steel chains with parallel hooks
-  Repair option of individual chain links that are ready to be replaced by the Dolezych service team
-  New textile sleeve including label to prevent steel tags from hitting sensitive loads

Good to know:

- Manufactured in accordance with DIN EN 12195-2 and -3
- Operating temperatures from -40 °C to +70 °C
- Breaking forces are based on the steel counterpart

Weight comparison: DoNova® vs. steel chain

Overview of which steel chain is replaced by which DoNova® variant



Structure of the lashing chain

The tensioning element

Choose the right product from a range of clamping elements:



1. DoRa

The ratchet load binder with telescope principle



2. DoQuick

The ratchet load binder with quick-release function and swivel hook for even faster work without twisted chains

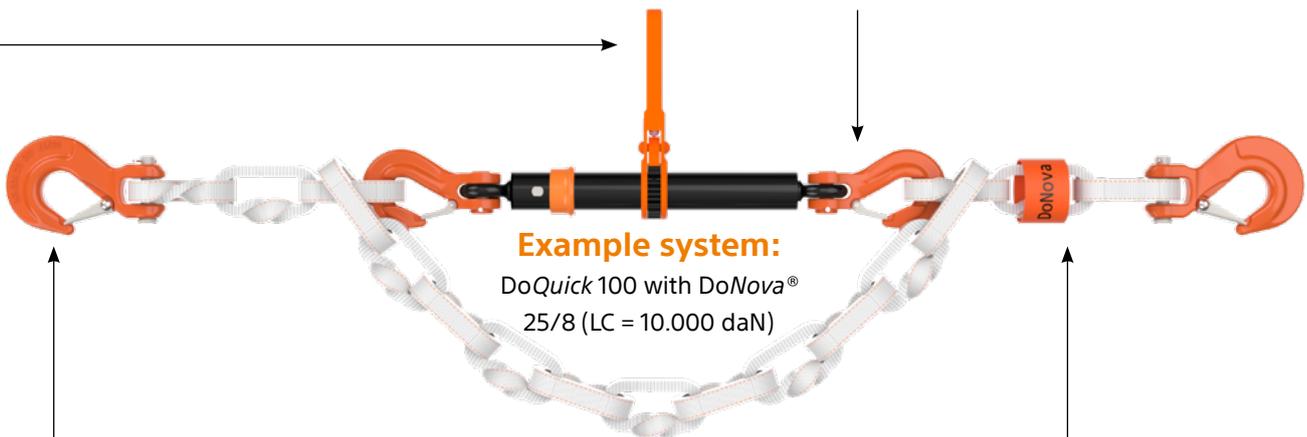


3. Lashing strap tensioner

The replacement if you do not want to use a ratchet load binder

The shortening hooks

We have designed special shortening hooks for connecting our ratchet load binders to the textile chain. These protect the chain link in the best possible way thanks to a flat surface. Shortening is also very quick and easy to do.



Example system:

DoQuick 100 with DoNova®
25/8 (LC = 10.000 daN)

The fitting

Special DoNova® clevis hooks for all variants for lowest weight and easiest application.

If you need a different hook, there is the option of connecting various eye hooks to our coupling link.

The DoNova®

Available in four different variants and lashing forces

| | |
|-------|-----------------|
| 25/8 | LC = 10.000 daN |
| 25/10 | LC = 12.500 daN |
| 30/8 | LC = 16.000 daN |
| 30/10 | LC = 20.000 daN |

The labeling sleeve

In contrast to other lashing chains, we do not use steel tags.

Our PES sleeve with velcro fastener has an identification and test label on the inside. The DoNova® version is also printed on the outside for quick and easy identification.

Lashing chain with fitting parts

DoNova® PowerLash lashing chain with clevis hooks on both sides

| Item no. | Clevis hook version | For DoNova® | Lashing capacity (LC) | Weight approx. for L1 = 3,5m | Weight approx. each further meter |
|----------------|---------------------|-------------|-----------------------|------------------------------|-----------------------------------|
| 13 - 7725 0800 | small | 25/8 | 10.000 daN | 5,4 kg | + 0,61 kg/m |
| 13 - 7725 0801 | large | 25/8 | 10.000 daN | 7,3 kg | + 0,61 kg/m |
| 13 - 7725 1001 | large | 25/10 | 12.500 daN | 7,9 kg | + 0,79 kg/m |
| 13 - 7730 0801 | large | 30/8 | 16.000 daN | 11,6 kg | + 0,90 kg/m |
| 13 - 7730 1001 | large | 30/10 | 20.000 daN | 12,2 kg | + 1,10 kg/m |

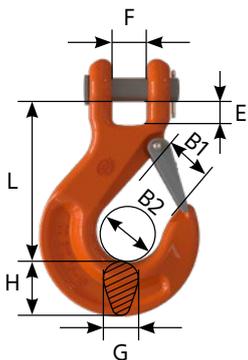


DoNova® PowerLash lashing chain with coupling link and eye hooks

| Item no. | Nominal size fittings | For DoNova® | Lashing capacity (LC) | Weight approx. for L1 = 3,5m | Weight approx. each further meter |
|----------------|-----------------------|-------------|-----------------------|------------------------------|-----------------------------------|
| 11 - 7726 0800 | 13-10 | 25/8 | 10.000 daN | 8,0 kg | + 0,61 kg/m |
| 13 - 7725 1000 | 13-10 | 25/10 | 12.500 daN | 8,5 kg | + 0,79 kg/m |
| 13 - 7730 0800 | 16-10 | 30/8 | 16.000 daN | 13,0 kg | + 0,90 kg/m |
| 13 - 7730 1000 | 16-10 | 30/10 | 20.000 daN | 13,6 kg | + 1,10 kg/m |



DoNova® clevis hooks



| Item no. | Version | For DoNova® | Nominal size | Dimensions in mm | | | | | | | Weight approx. kg |
|----------------|---------|--------------|--------------|------------------|----|----|------|------|------|------|-------------------|
| | | | | L | B1 | B2 | E | F | G | H | |
| 29 - 2902 0613 | small | 25/8 | - | 113 | 34 | 24 | 19,5 | 27,5 | 27 | 40,5 | 1,7 |
| 69 - 2902 2013 | large | 25/8 & 25/10 | 13-10 | 141 | 36 | 36 | 21 | 27 | 32 | 43,5 | 2,6 |
| 69 - 2902 2016 | large | 30/8 & 30/10 | 16-10 | 164 | 46 | 46 | 26 | 33 | 38,5 | 52 | 4,3 |

Modular system for every purpose

Our hooks cannot be used optimally in your application? You need a 1-piece system or you have special requirements? No problem for us!

The modular system allows you to adapt various eye hooks from our high tensile accessories range. To do this, the DoNova® is connected to the eye hook with a coupling link.

Which hooks can be connected to the coupling link?

- DoNova® 25/8
- DoNova® 25/10
- DoNova® 30/8
- DoNova® 30/10

Components > 13-8 and 13-10 and 13-12
 Components > 16-8 and 13-10 and 13-12
 Components > 16-8 and 16-10 and 16-12
 Components > 20-8 and 16-10 and 16-12

The tensioning element

DoRa – The compact telescopic ratchet load binder



| Item no. | For DoNova® | Lashing capacity (LC) | S _{TF} (daN) | Length L1 approx. mm | Tensioning approx. mm | Weight approx. kg | Version |
|----------------|-------------|-----------------------|-----------------------|----------------------|-----------------------|-------------------|---------|
| 29 - 0385 0101 | 25/8 | 10.000 | 1.500 | 484 - 757 | 273 | 6,2 | DoRa100 |
| 29 - 0385 0169 | 25/10 | 12.500 | 1.875 | | | | |
| 29 - 0385 0159 | 30/8 | 16.000 | - | 544 - 845 | 301 | 10,5 | DoRa200 |
| 29 - 0385 0149 | 30/10 | 20.000 | - | | | | |

DoQuick – The fastest ratchet load binder in the world



| Item no. | For DoNova® | Lashing capacity (LC) | S _{TF} (daN) | Length L1 approx. mm | Tensioning approx. mm | Weight approx. kg |
|----------------|-------------|-----------------------|-----------------------|----------------------|-----------------------|-------------------|
| 29 - 0385 2001 | 25/8 | 10.000 | 1.500 | 595 - 856 | 261 | 6,3 |

Lashing strap tensioner with Dyneema® – The alternative to the ratchet load binder

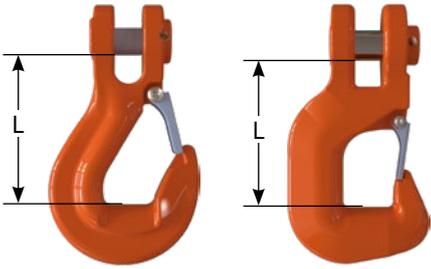


| Item no. | For DoNova® | Lashing capacity (LC) | S _{TF} (daN) | Length L1 approx. mm | Weight approx. kg |
|----------------|-------------|-----------------------|-----------------------|----------------------|-------------------|
| 11 - 2650 9697 | 25/8 | 10.000 | 1.000 | 1,5 | 11,5 |

- Webbing made from 100 % Dyneema®
- In accordance with EN 12195-2
- Nominal length 1,5 m
- Fixed end = 0,7 m
- With gear ratchet
- Round sling coupler 13-10
- Eye hook 13-10

Other accessories

DoNova® shortening hook for connection to DoRa & DoQuick

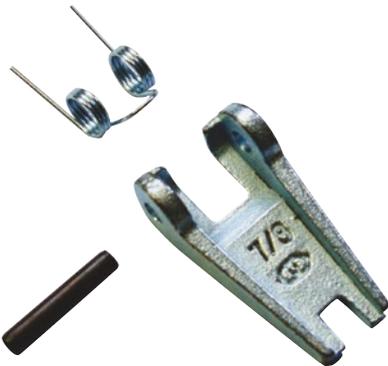


29 - 0385 0162

29 - 0385 0161

| Item no. | For tensioning element | For DoNova® | L mm | Weight approx. kg |
|----------------|------------------------|--------------------|------|-------------------|
| 69 - 0385 0162 | DoRa100 | 25/8 | 92 | 1,3 |
| 69 - 0385 0161 | DoRa200 | 25/10, 30/8, 30/10 | 102 | 2,6 |

Snappers as replacement part



| Item no. | For hooks |
|----------------|----------------|
| 69 - 2902 0713 | 29 - 2902 0613 |
| 69 - 2902 0714 | 69 - 2902 2013 |
| 69 - 2902 0716 | 69 - 2902 2016 |
| 69 - 0385 0166 | 69 - 0385 0162 |
| 69 - 0385 0167 | 69 - 0385 0161 |

Cut protection 100% Dyneema®



| Item no. | For DoNova® | Flat width in mm | Weight approx. kg |
|----------------|-------------|------------------|-------------------|
| 42 - 5562 0511 | 25/8 | 115 | 0,18 |
| | 25/10 | | |
| | 30/8 | | |
| | 30/10 | | |



- If the radius is less than or equal to 6 mm, a cut protective must be used.
- Wall thickness of the protective hose 6 mm
- Tube edges are stitched.

Special heavy-duty solution



- Combination of DoTExTreme LMT (load sling for lashing – mooring – towing) with our DoNova®!
- More cost-effective and still all the advantages! This system is particularly suitable for systems > 6 m effective length! Just get in touch with us!

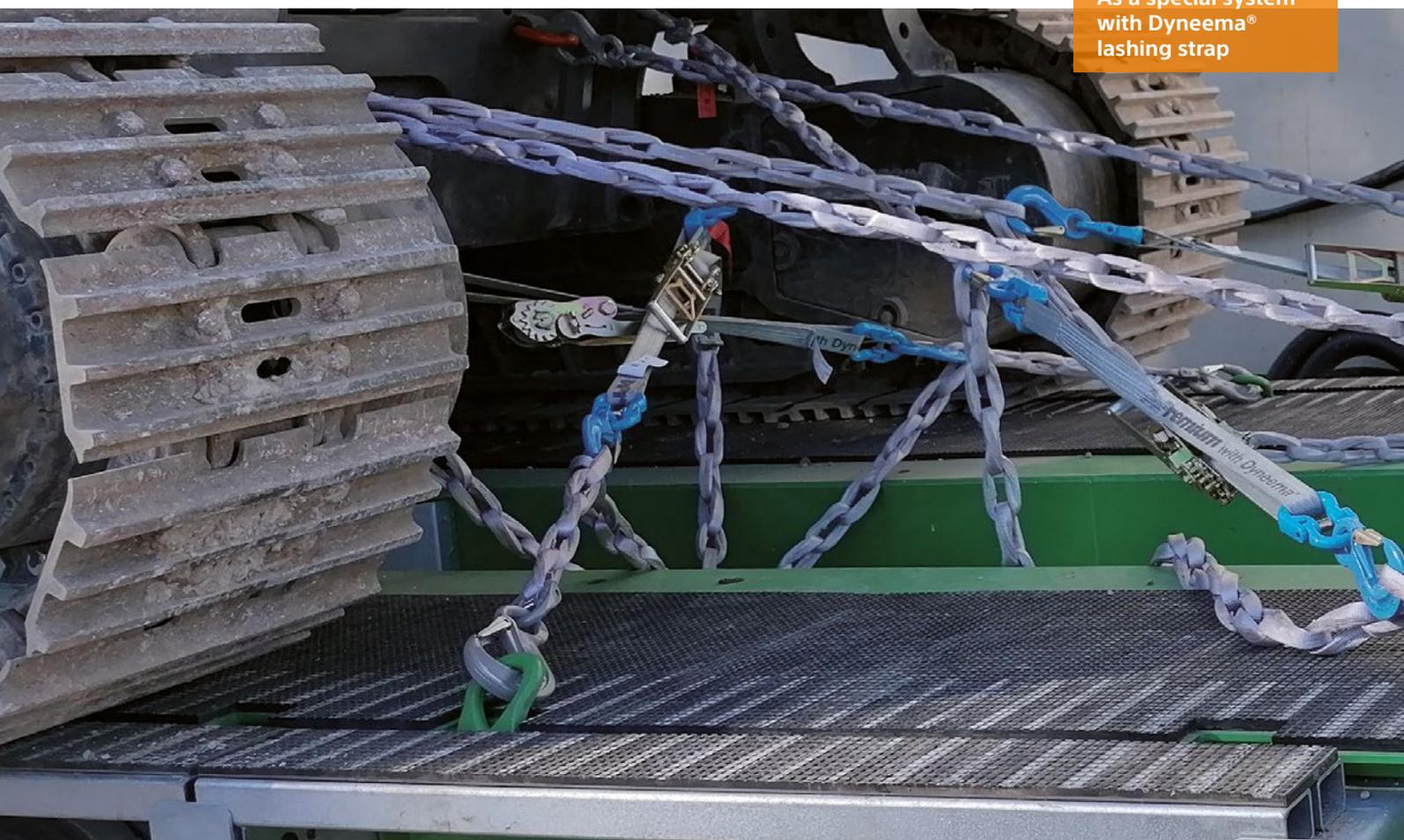
DoNova® PowerLash in use

Problem solving for almost every application

Special systems needed?
We assemble your
DoNova®
PowerLash!



Heavy load securing
in the offshore sector



As a special system
with Dyneema®
lashing strap



As a lashing chain with patented DoQuick ratchet load binder



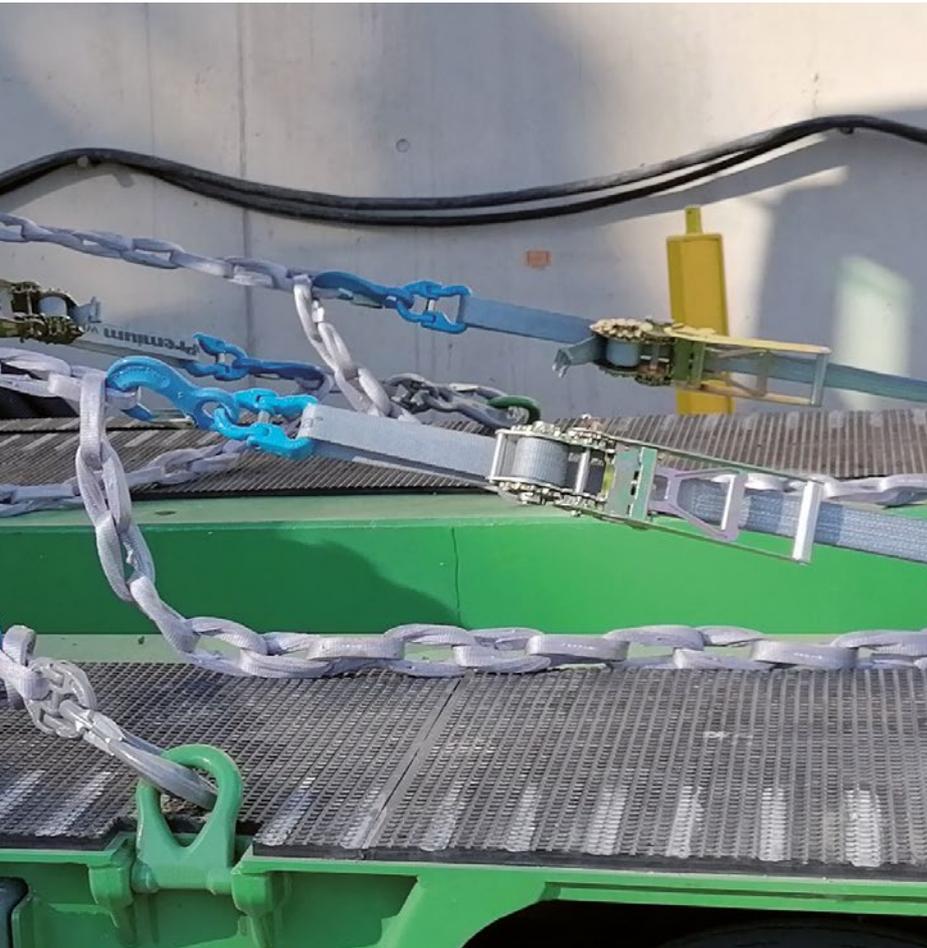
As a lashing chain with patented DoRa ratchet load binder



As a lashing chain with Dyneema® lashing strap



As a head sling



The **DoNova® PowerLash** lashing chain offers a secure solution for many applications and impresses with maximum flexibility!

The textile chain DoNova®

Find out more here: <https://donova.info>



The textile chain DoNova®
is also available for lifting:



DoNova® PowerLift

Purchase options

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info@dolezych.de

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