

TIMES ARE CHANGING



Lighter, faster and more ergonomic lashing
DoNova® PowerLash

The idea:

Replacing heavy steel chains with lightweight high-tech textile chains

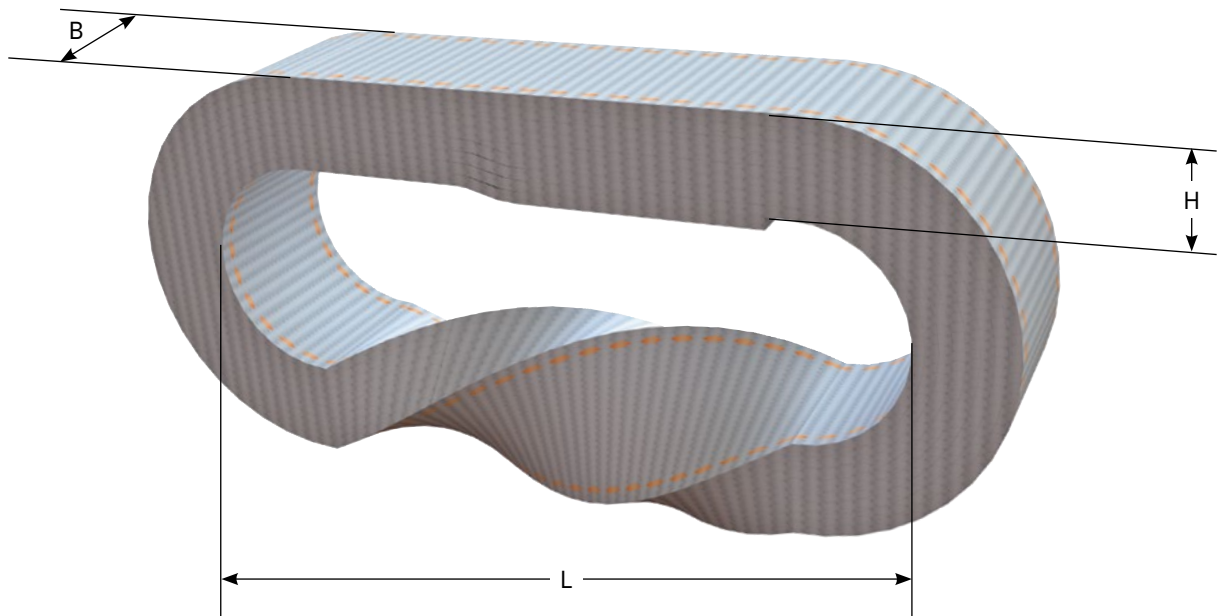


The textile chain DoNova® is made of individual chain links like a steel chain. These links are placed one inside the other. The unique feature: Each DoNova® chain link consists of several layers of webbing, which is laid and sewn in a so-called Möbius ring. The webbing is made of the high-performance 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	250 kN	320 kN	400 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.

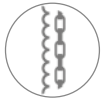
Advantages of the textile chain



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



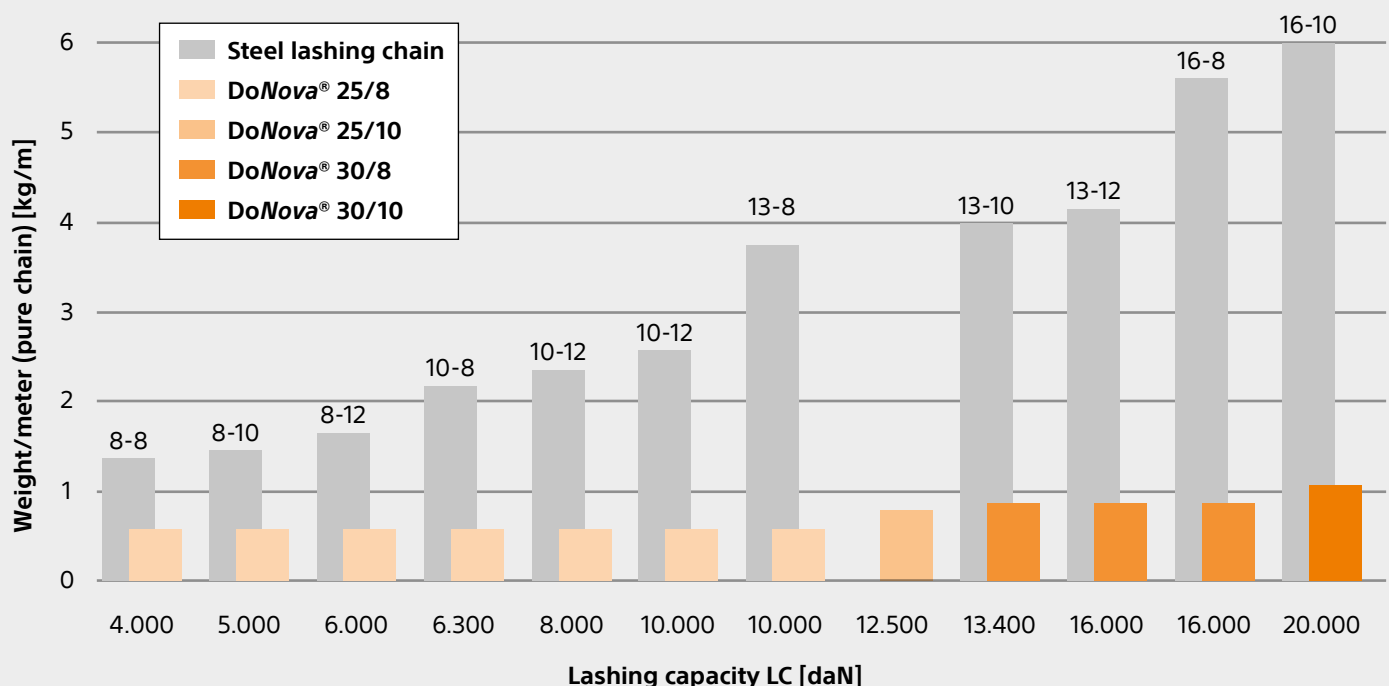
New textile sleeve including label to prevent steel tags from hitting sensitive loads

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

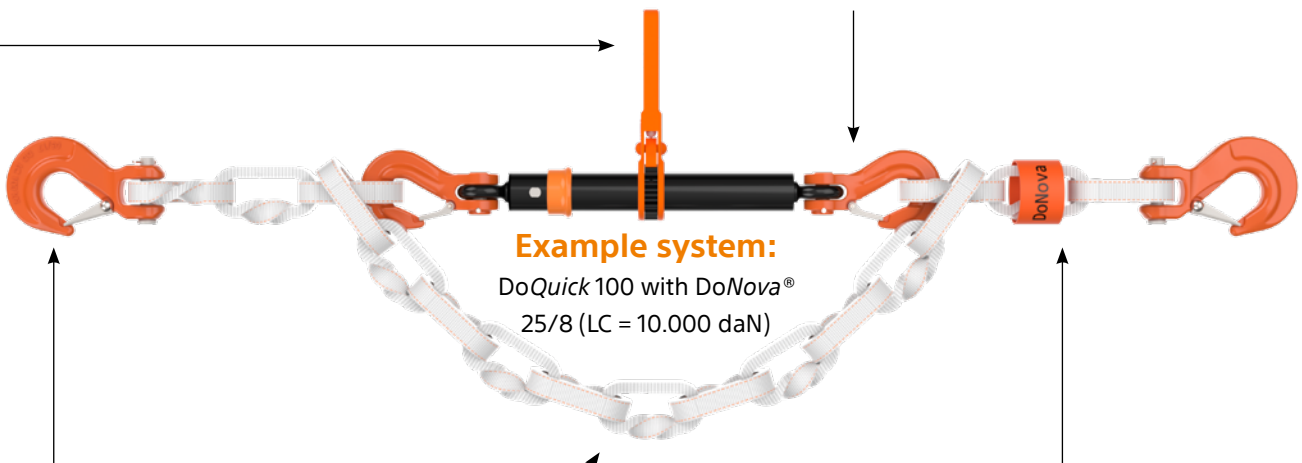


3. Lashing strap tensioner

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

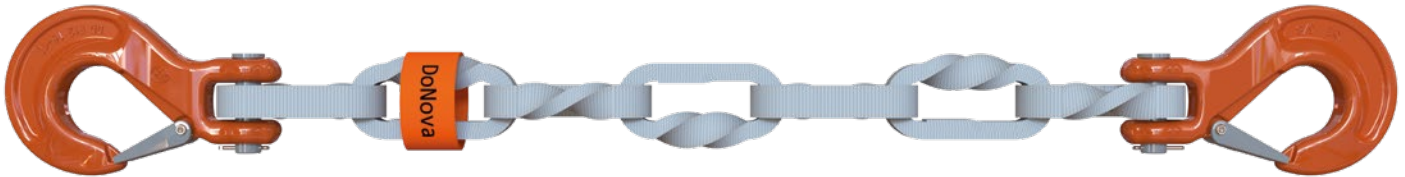
In contrast to other lashing chains, we do not use steel tags.

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

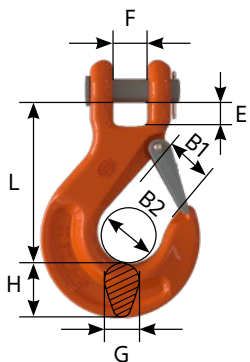


DoNova® PowerLash lashing chain with coupling link and eye hooks

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 Components > 13-8 and 13-10 and 13-12
- DoNova® 25/10 Components > 16-8 and 13-10 and 13-12
- DoNova® 30/8 Components > 16-8 and 16-10 and 16-12
- DoNova® 30/10 Components > 20-8 and 16-10 and 16-12

The tensioning element

DoRa – The compact telescopic ratchet load binder



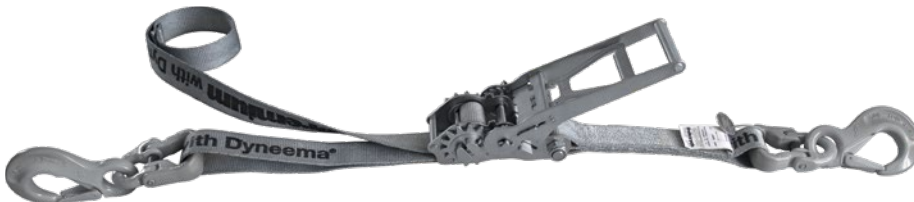
Item no.	For DoNova®	Lashing capacity (LC)	S _{TF} (daN)	Length L1 approx. mm	Tensioning approx. mm	Weight approx. kg	Version
29 - 0385 0101	25/8	10.000	1.500	484 - 757	273	6,2	DoRa100
29 - 0385 0169	25/10	12.500	1.875	544 - 845	301	10,5	DoRa200
29 - 0385 0159	30/8	16.000	–				
29 - 0385 0149	30/10	20.000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

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

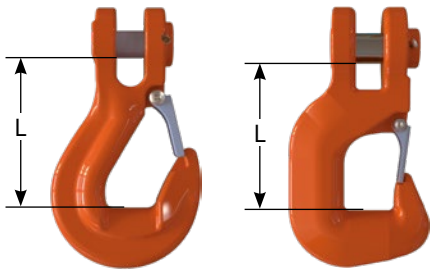
Lashing strap tensioner with Dyneema® – The alternative to the ratchet load binder



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



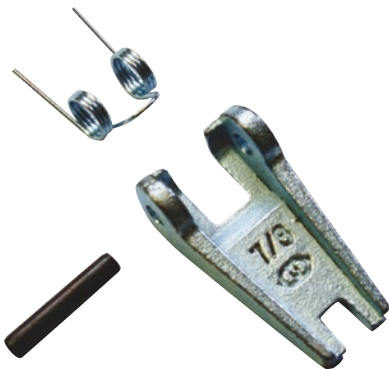
29 - 0385 0162

29 - 0385 0161

DoNova® shortening hook for connection to DoRa & DoQuick

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

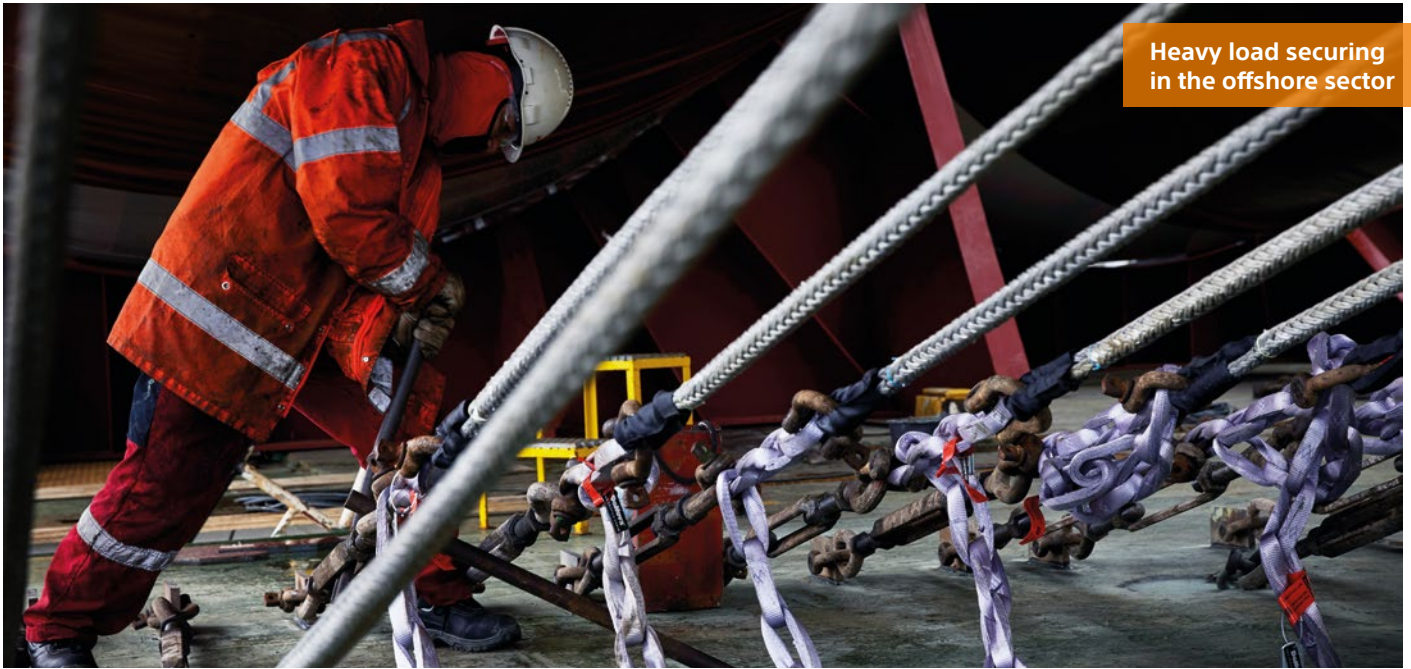


- Combination of DoTExTreme LMT (load sling for lashing – mooring – towing) with our DoNova®!
- More cost-effective and still all the advantages! This system is particularly suitable for systems > 6 m effective length! Just get in touch with us!

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



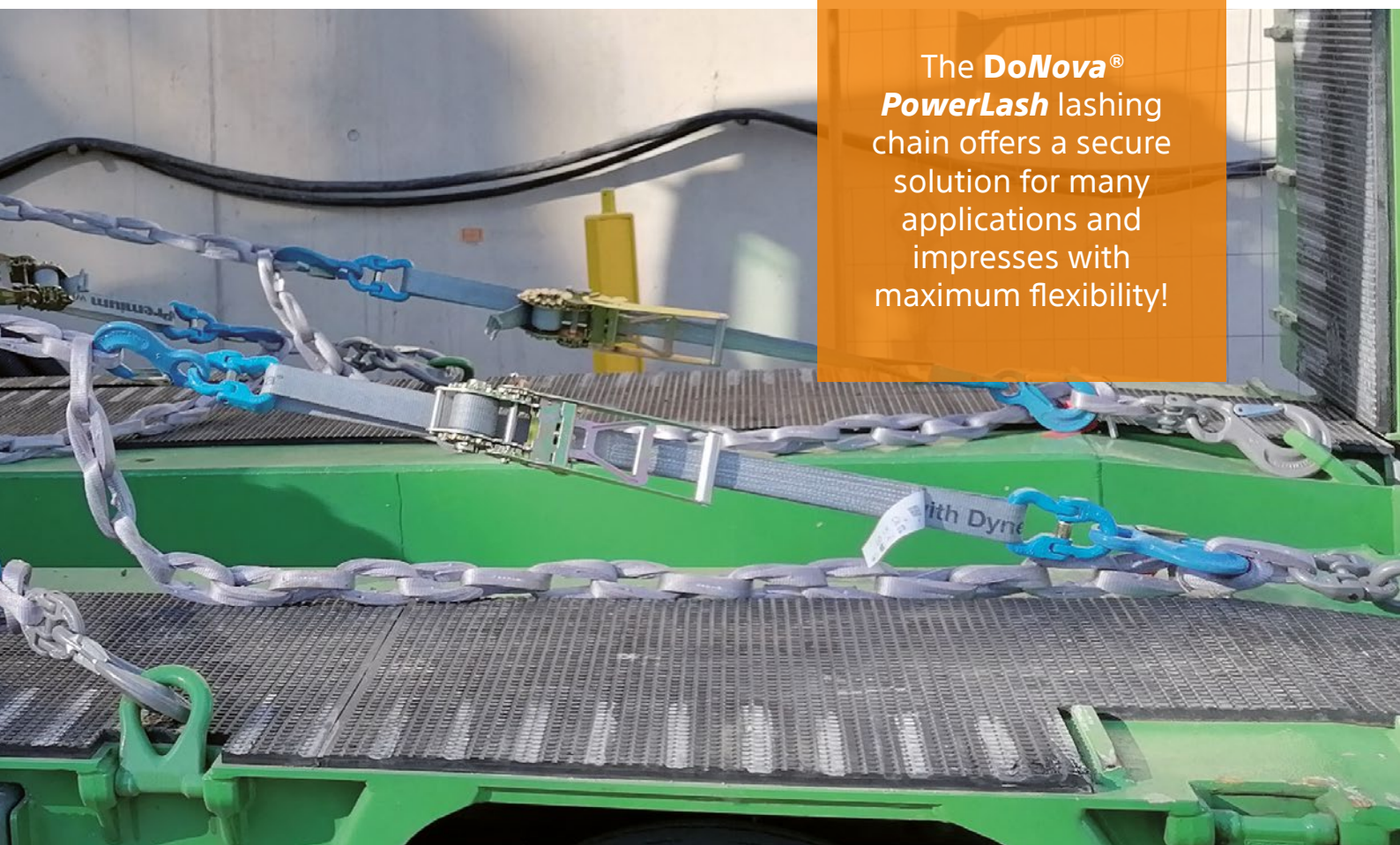
As a lashing chain with patented DoRa ratchet load binder



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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