

TIMES ARE CHAINING

Lighter, faster and more ergonomic lifting
DoNova® PowerLift

The idea:

Replacing heavy steel chains with lightweight high-tech textile chains

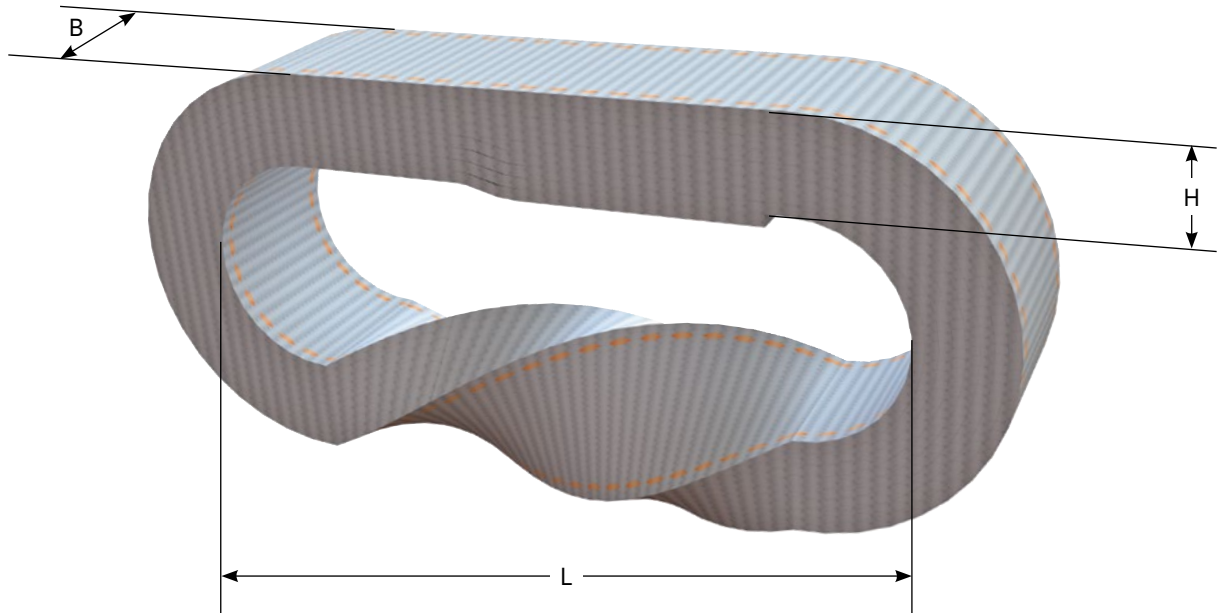


The textile chain DoNova® is made of individual chain links like a steel chain. These links are placed one inside the other. The unique feature: Each DoNova® chain link consists of several layers of webbing, which is laid and sewn in a so-called Möbius ring. The webbing is made of the high-performance 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® *PowerLift* is used when lifting needs to be done faster and more efficiently.

Our promise: “Working safely has never been so easy!”

Technical characteristics



DoNova® specification	12/6	25/6	25/8	25/10	30/8	30/10	45/8
Link division (L) **	100 mm	100 mm	100 mm	100 mm	125 mm	143 mm	167 mm
Chain thickness (H) **	9.6 mm	9.6 mm	12.5 mm	15.5 mm	16.3 mm	19.4 mm	14.4 mm
Chain width (B) **	12 mm	25 mm	25 mm	25 mm	30 mm	30 mm	45 mm
Weight per meter approx.	≈0,19 kg	≈0,46 kg	≈0,61 kg	≈0,79 kg	≈0,90 kg	≈1,10 kg	≈1,34 kg
Minimum breaking force (MBF)	60 kN	150 kN	200 kN	250 kN	320 kN	400 kN	509 kN
Working Load Limit (WLL)	1.5 t	3.4 t	5.0 t	6.3 t	8.0 t	10.0 t	12.5 t

*Dimensions with load of 6 % MBF

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



DoNova® PowerLift
in our online shop



DoNova® PowerLift

Lifting has never been so easy!

The DoNova® PowerLift lifting chain easily competes with high-strength steel chains up to grade 120 and 18 mm nominal thickness. The DoNova® PowerLift has similar performance characteristics to comparable steel systems. In addition to the sensationally easy handling, the textile lifting chain focuses primarily on load protection. The soft webbing chain causes no damage or scratches to sensitive loads or sensitive surfaces. For asymmetrical loads the DoNova® PowerLift can also be shortened quickly and easily by using high-strength shackles or shortening hooks.

Advantages of the textile chain



Technical advantages:



Just as tear-resistant as steel chains



Especially abrasion resistant compared to other textile lifting equipments



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



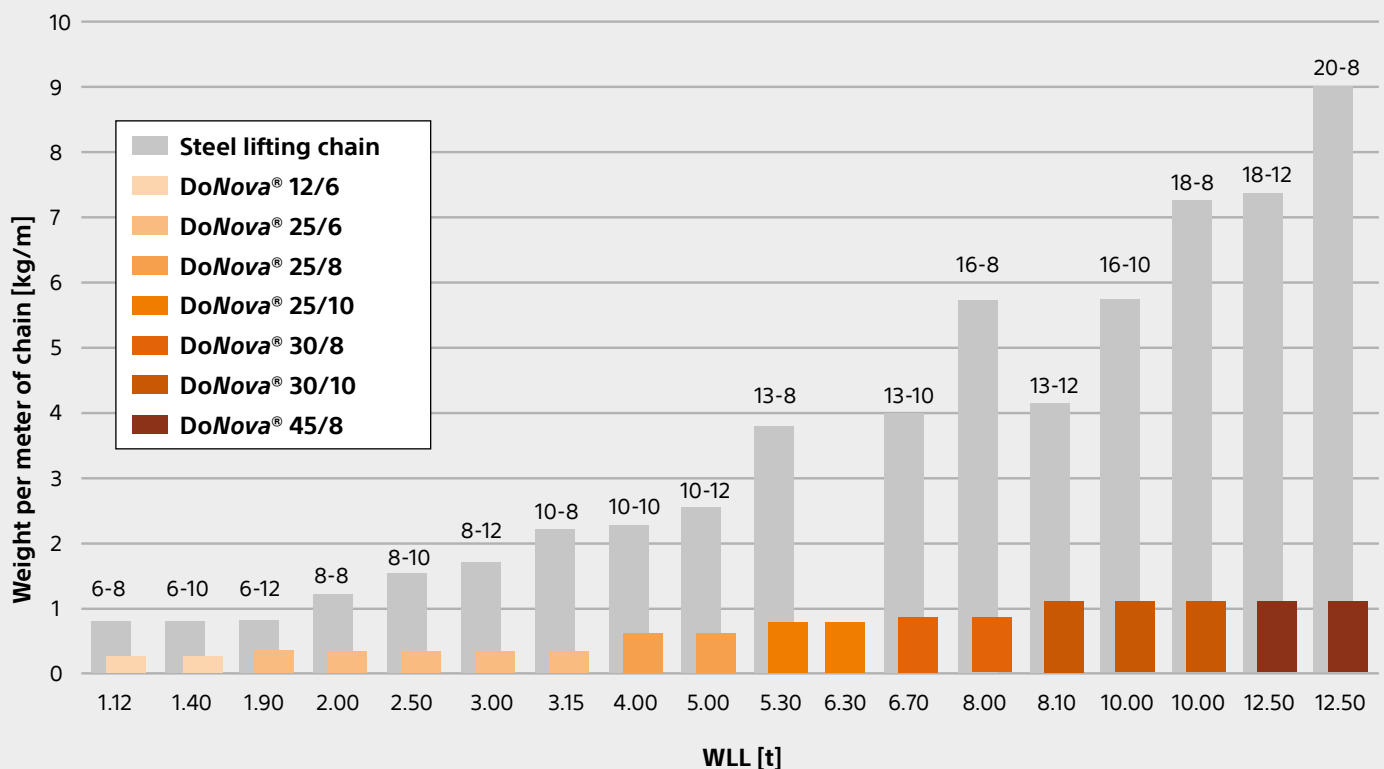
New textile sleeve including label to prevent steel tags from hitting sensitive loads

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 DoNova® PowerLift lifting chain

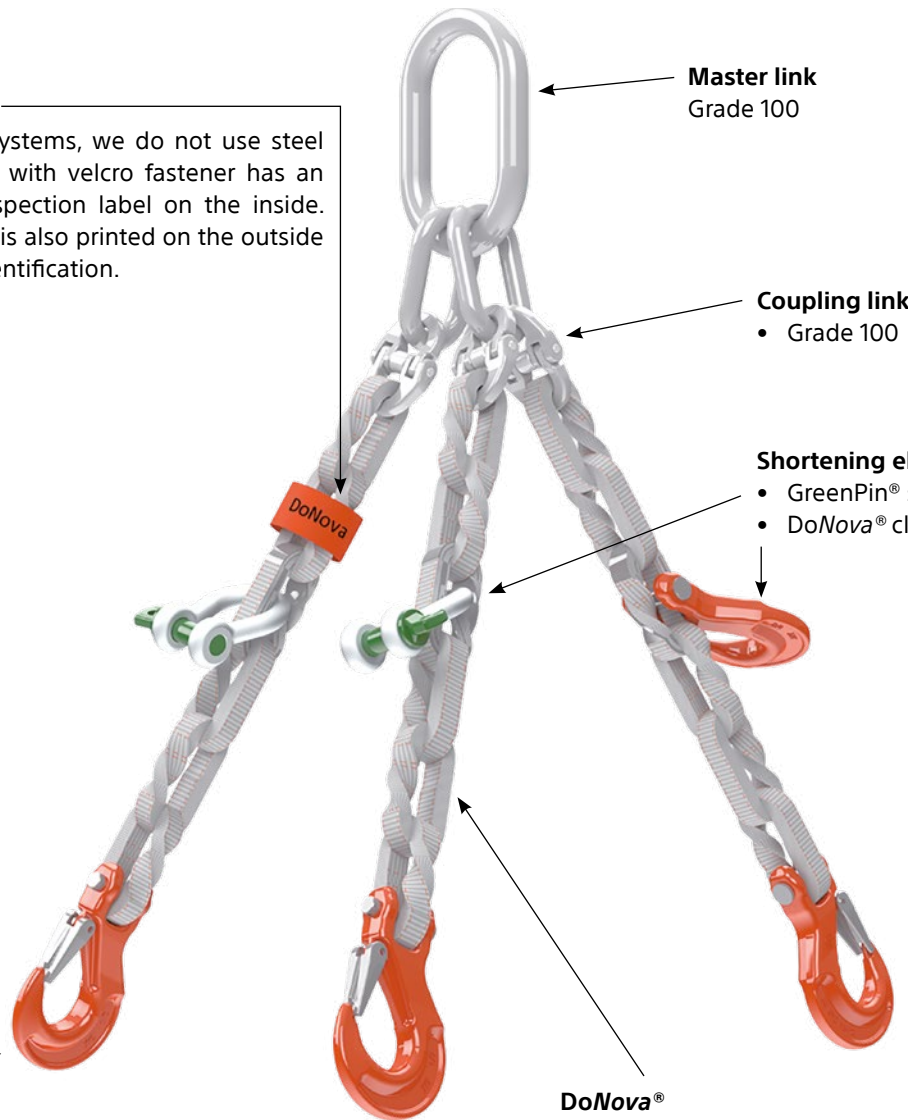
- DoNova® PowerLift combines our textile chain DoNova® as well as components from our DoKett10 (Grade 100) product portfolio.
- Our DoNova® PowerLift is manufactured in accordance with DIN EN 1492-1.
- We have developed various components for the DoNova® so that you can work even more ergonomically and easily.



Customized solutions and/or the connection of other hooks (e.g. container-, swivel- or foundry hooks, etc.) are available on request.

Labeling sleeve

In contrast to steel systems, we do not use steel tags. Our PES sleeve with velcro fastener has an identification and inspection label on the inside. The DoNova® version is also printed on the outside for quick and easy identification.



Master link
Grade 100

Coupling link
• Grade 100

Shortening element (optional)
• GreenPin® shackle
• DoNova® clevis hook (Grade 100)

End fitting

- DoNova® clevis hook (Grade 100)
 - Coupling link (Grade 100) with eye hook (Grade 100)
 - GreenPin® shackle
- Please inquire about other end fittings.

Cut protection (optional)

HMPE cut protection tube

Abrasion protection (optional)

HMPE cut protection tube
PES cut protection tube
Cordura cut protection tube

DoNova®

In seven different variants and load capacities available

- 12/6 WLL = 1.50 t
- 25/6 WLL = 3.40 t
- 25/8 WLL = 5.00 t
- 25/10 WLL = 6.30 t
- 30/8 WLL = 8.00 t
- 30/10 WLL = 10.00 t
- 45/8 WLL = 12.50 t

Type 1 (T1):

- Standard for 25/8, 25/10, 30/8 and 30/10
- With DoNova® clevis hook (Grade 100) as end fitting



Type 2 (T2):

- Standard for 12/6, 25/6, 45/8
- With coupling link (Grade 100) and eye hook (Grade 100)



DoNova® PowerLift – 1-leg

Item no.	Version	For DoNova®	WLL at 0°	Weight approx. for L1 = 1,0 m	Weight approx. each further meter
35 - 7701 1200	T2	12/6	1.5 t	1.55 kg	+ 0.22 kg/m
35 - 7701 3000	T2	25/6	3.4 t	2.90 kg	+ 0.46 kg/m
35 - 7701 4001	T1	25/8	5.0 t	4.80 kg	+ 0.61 kg/m
35 - 7701 5001	T1	25/10	6.3 t	5.60 kg	+ 0.79 kg/m
35 - 7701 6501	T1	30/8	8.0 t	8.90 kg	+ 0.90 kg/m
35 - 7701 8001	T1	30/10	10.0 t	8.95 kg	+ 1.10 kg/m
35 - 7701 1000	T2	45/8	12.50 t	18.20 kg	+ 1.34 kg/m

DoNova® PowerLift – 2-leg

Item no.	Version	For DoNova®	WLL		Weight approx. for L1 = 1,0 m	Weight approx. each further meter
			0°–45°	45°–65°		
35 - 7702 1200	T2	12/6	2.10 t	1.5 t	2.65 kg	+ 0.44 kg/m
35 - 7702 3000	T2	25/6	4.75 t	3.4 t	5.50 kg	+ 0.92 kg/m
35 - 7702 4001	T1	25/8	7.00 t	5.0 t	9.20 kg	+ 1.22 kg/m
35 - 7702 5001	T1	25/10	8.80 t	6.3 t	10.20 kg	+ 1.58 kg/m
35 - 7702 6501	T1	30/8	11.20 t	8.0 t	15.20 kg	+ 1.80 kg/m
35 - 7702 8001	T1	30/10	14.00 t	10.0 t	17.00 kg	+ 2.20 kg/m
35 - 7702 1000	T2	45/8	17.50 t	12.50 t	32.10 kg	+ 2.68 kg/m

DoNova® PowerLift – 3-leg

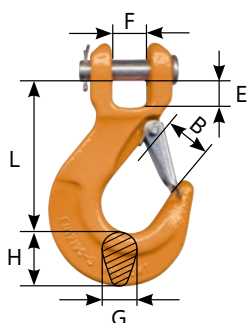
Item no.	Version	For DoNova®	WLL		Weight approx. for L1 = 1.0 m	Weight approx. each further meter
			0°–45°	45°–65°		
35 - 7703 1200	T2	12/6	3.15 t	2.25 t	5.70 kg	+ 0.66 kg/m
35 - 7703 3000	T2	25/6	7.14 t	5.10 t	10.50 kg	+ 1.38 kg/m
35 - 7703 4001	T1	25/8	10.50 t	7.50 t	17.60 kg	+ 1.83 kg/m
35 - 7703 5001	T1	25/10	13.23 t	9.45 t	17.85 kg	+ 2.37 kg/m
35 - 7703 6501	T1	30/8	16.80 t	12.00 t	29.80 kg	+ 2.70 kg/m
35 - 7703 8001	T1	30/10	21.00 t	15.00 t	30.20 kg	+ 3.30 kg/m
35 - 7703 1000	T2	45/8	26.25 t	18.75 t	64.13 kg	+ 4.02 kg/m

DoNova® PowerLift – 4-leg

Item no.	Version	For DoNova®	WLL		Weight approx. for L1 = 1.0 m	Weight approx. each further meter
			0°–45°	45°–65°		
35 - 7704 1200	T2	12/6	3.15 t	2.25 t	6.70 kg	+ 0.80 kg/m
35 - 7704 3000	T2	25/6	7.14 t	5.10 t	12.65 kg	+ 1.84 kg/m
35 - 7704 4001	T1	25/8	10.50 t	7.50 t	21.20 kg	+ 2.44 kg/m
35 - 7704 5001	T1	25/10	13.23 t	9.45 t	21.60 kg	+ 3.16 kg/m
35 - 7704 6501	T1	30/8	16.80 t	12.00 t	35.90 kg	+ 3.60 kg/m
35 - 7704 8001	T1	30/10	21.00 t	15.00 t	36.40 kg	+ 4.40 kg/m
35 - 7704 1000	T2	45/8	26.25 t	18.75 t	77.80 kg	+ 5.36 kg/m

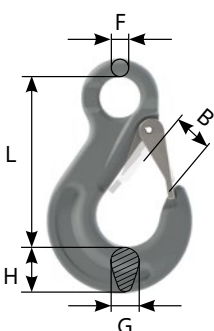
End fitting

DoNova® clevis hook (Grade 100)



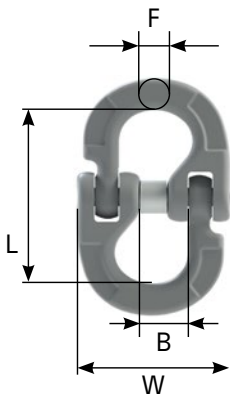
Item no.	For DoNova®	Nominal size	WLL	Dimensions in mm						Weight approx. kg
				L	B	E	F	G	H	
69 - 2902 2013	25/8 & 25/10	13-10	6.7 t	141	36	21	27	32	43.5	2.6
69 - 2902 2016	30/8 & 30/10	16-10	10.0 t	164	46	26	33	38.5	52.0	4.3

Eye hook TOS (Grade 100)



Item no.	For DoNova®	Nominal size	WLL	Dimensions in mm					Weight approx. kg
				L	B	F	G	H	
69 - 2508 1108	12/6	8-10	2.5 t	104.5	25.5	12.0	18.5	29.0	0.60
69 - 2508 1110	25/6	10-10	4.0 t	129.0	31.0	17.0	26.0	34.5	1.28
69 - 2508 1120	45/8	20-10	16.0 t	205.0	53.0	28.0	51.0	50.5	6.10

Coupling element TK (Grade 100)



Art.-Nr.	For DoNova®	Nominal size	WLL	Dimensions in mm				Weight approx. kg
				L	B	F	W	
69 - 2508 0308	12/6	8-10	2.5 t	62.0	19.0	10.0	55.5	0.15
69 - 2508 0310	25/6	10-10	4.0 t	70.0	24.0	12.5	66.0	0.25
69 - 2508 0313	25/8 & 25/10	13-10	6.7 t	87.5	27.5	16.5	80.4	0.42
69 - 2508 0316	30/8 & 30/10	16-10	10.0 t	113.0	34.0	20.0	106.4	0.86
69 - 2508 0322	45/8	22-10	19.0 t	155.0	52.0	25.5	155.2	3.10



Cut protection hose 100 % Dyneema®

Item no.	For DoNova®	Flat width in mm
42 - 5562 0508	12/6	85
42 - 5562 0511	25/6, 25/8, 25/10, 30/8, 30/10	115
42 - 5562 0513	45/8	135

- 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.

GreenPin® bow shackle with eyebolt

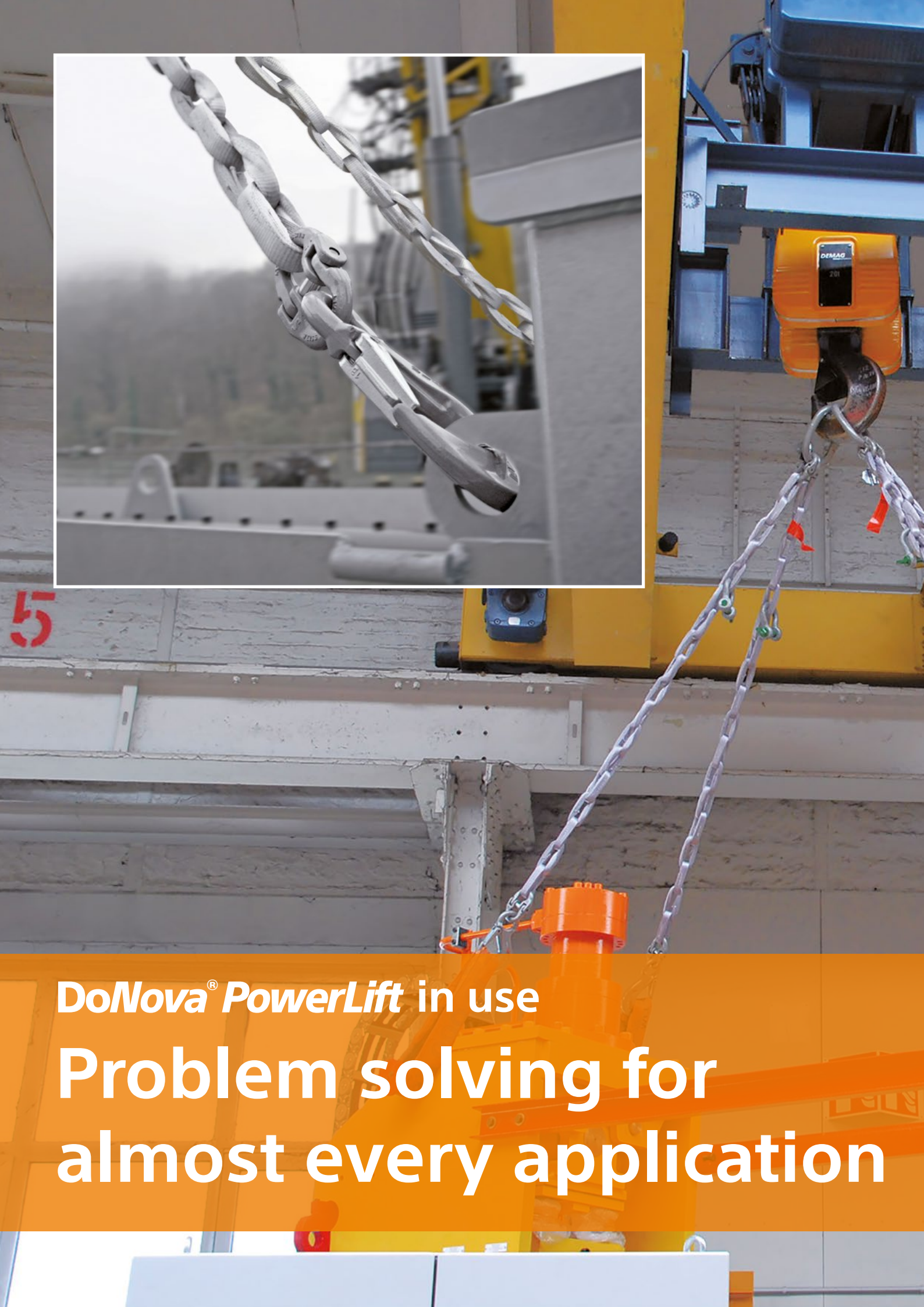


Art.-Nr.	For DoNova®	Load capacity
69 - 0329 9001	12/6	1.50 t
69 - 0329 9010	25/6	4.75 t
69 - 0329 9044	25/8 & 25/10	6.50 t
69 - 0329 9038	30/8	8.50 t
69 - 0329 9112	30/10	12.00 t
69 - 0329 9093	45/8	13.50 t

GreenPin® bow shackle with bolt & nut



Art.-Nr.	For DoNova®	Load capacity
69 - 0329 9002	12/6	1.50 t
69 - 0329 9014	25/6	4.75 t
69 - 0329 9039	25/8 & 25/10	6.50 t
69 - 0329 9090	30/8	8.50 t
69 - 0329 9412	30/10	12.00 t
69 - 0329 9413	45/8	13.50 t



DoNova[®] PowerLift in use

**Problem solving for
almost every application**



Special systems
needed?
We assemble your
DoNova®
PowerLift!



The textile chain DoNova®

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



The textile chain DoNova®
is also available for lashing:



DoNova® PowerLash

Purchase options

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