



MagnumForce Green

Advantageous in use,
more gentle to nature.



MagnumForce Green – orange outside, green inside.

The heavy-duty round sling with reduced CO₂ footprint.

The MagnumForce Green is the first SpanSet heavy-duty round sling, whose core consists of a renewable basic material. The high-performance bio-based fiber used in its manufacture improves the round sling's CO₂ footprint and thus the CO₂ footprint of each lifting operation. In this way, the MagnumForce Green meets climate protection and safety requirements in equal measure.

The ultra-high molecular weight polyethylene (UHMWPE) is produced from Scandinavian wood oil, which is a by-product of pulp production. The production of one metric ton of bio-based fibers generates significantly less carbon dioxide than conventionally produced UHMWPE fibers. The saving is 29 metric tons.

Just as strong and safe - but more sustainable!

MagnumForce Green has exactly the same properties in terms of strength and resistance to aggressive substances. UHMWPE fabrics are lighter than polyester fabrics. This simplifies the handling of the round slings. The material thickness under load is only half that of a polyester sling. The round sling is available in nominal carrying capacities from 10,000 to 100,000 kilograms.

MagnumForce Green vs. polyester round sling:

- certified CO₂ neutral production
- up to 50 % less material thickness under load
- around 25 % less material width under load
- more than 60 % lower dead weight



MagnumForce Green heavy-duty round sling



	Nominal carrying capacity [kg]	Approx. material thickness under load [mm]	Approx. material width under load [mm]	L1 min. [m]	L1 max. [m]	Approx. weight per running m [kg]	Order number for standard lengths				
							4 m	5 m	6 m	7 m	8 m
MagnumForce Green 10,000	10,000	7	70	2	30	0.8	GIN 2024073	GIN 2024074	GIN 2024075	GIN 2024076	GIN 2024078
MagnumForce Green 20,000	20,000	18	91	2	30	1.6	GIN 2024079	GIN 2024080	GIN 2024081	GIN 2024082	GIN 2024083
MagnumForce Green 30,000	30,000	20	115	2	30	2.6	GIN 2024084	GIN 2024085	GIN 2024086	GIN 2024087	GIN 2024088
MagnumForce Green 40,000	40,000	22	135	3	30	3.4	GIN 2024089	GIN 2024090	GIN 2024091	GIN 2024092	GIN 2024093
MagnumForce Green 50,000	50,000	23	152	3	30	4.2	GIN 2024094	GIN 2024095	GIN 2024096	GIN 2024097	GIN 2024098
MagnumForce Green 60,000	60,000	23	165	3	30	5.0	GIN 2024099	GIN 2024100	GIN 2024101	GIN 2024102	GIN 2024103
MagnumForce Green 80,000	80,000	27	200	3	30	6.1	GIN 2024104	GIN 2024105	GIN 2024106	GIN 2024107	GIN 2024108
MagnumForce Green 100,000	100,000	35	190	3	30	7.1	GIN 2024109	GIN 2024110	GIN 2024111	GIN 2024112	GIN 2024113

MagnumForce Green – certified safety.

Our supplier DSM from the Netherlands is the only manufacturer worldwide to market the sustainable yarn under the brand name bio-based Dyneema® fiber. The core yarn is certified according to ISCC (International Sustainability and Carbon Certification).

In endurance testing, the MagnumForce Green was loaded 20,000 times to its load capacity, verifying the best core construction. This is an indication of long service life and therefore high cost-effectiveness.

The suitability for use of the MagnumForce Green was verified by DNV GL (Det Norske Veritas Germanischer Lloyd), one of the world's leading certification companies, and confirmed with the internationally recognized Verification Report.

Our factory standard places high demands on our products that go beyond the applicable standards and guidelines. The MagnumForce Green has passed all tests and inspections with flying colors.



Digital operating instructions and Declaration of Conformity:

We reduce paper consumption. Each MagnumForce Green has a tag. By scanning the applied QR code or entering the domain, you can retrieve your desired documents at any time.



More information can be found here:
www.spanset.com



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MagnumForce Green – strong, safe and sustainable

With the **MagnumForce Green**, SpanSet is setting new standards in lifting technology in terms of safety and environmental awareness. Through the processing of **bio-based fibers** in the core, the heavy-duty round sling generates a significantly lower CO₂ footprint. In addition, the MagnumForce Green optimally meets the diverse requirements of a **wide range of industries** and **covers the entire spectrum of applications**.

Proven SpanSet design features and **innovative high-performance materials** have been **optimally matched** and recombined in the round sling. **The result:** Maximum safety and perfect handling complemented by conscious sustainability in every lifting operation.

The use of recycled UHMWPE

...contributes to sustainability. The MagnumForce Green core is made of a high-performance bio-based fiber that significantly reduces the CO₂ footprint of the round sling and thus also the CO₂ footprint of each individual lifting operation. The ultra-high molecular weight polyethylene (UHMWPE) also exhibits greater strength compared to polyester. This means less material is needed for slings of the same load capacity. This makes the MagnumForce Green more sustainable, more compact and lighter.



Low elongation

...leads to a direct build-up of force when the load is lifted and thus enables precise lifting operations.

High durability

...leads to long service lives and therefore **high cost-effectiveness**. Among other things, this is ensured by the sleeve: Its **ribbed construction** reinforced with high-performance fibers reduces abrasion and improves cut resistance. In addition, it is characterized by low formation of wrinkles, which also reduces wear. And last but not least, MagnumForce Green is UV-resistant.

60% lighter

...lighter than conventional polyester slings. This makes **handling** and **transport** easy. Industrial trucks for transport and hooking are not necessary. The process acceleration **saves time and money**.



50% less contact thickness

...under load than with conventional polyester slings allows them to be attached to smaller radii. **Advantage:** No time-consuming application of protection sleeves, wider application range, less application errors.



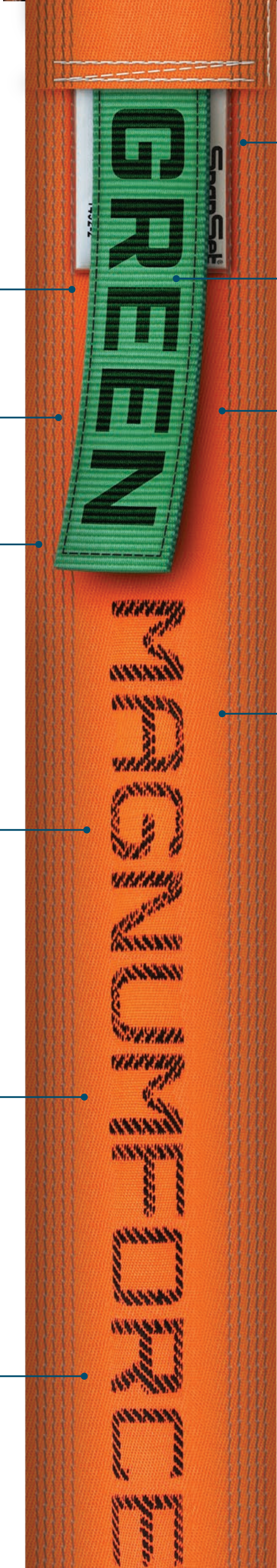
Fits in even small crane hooks

...without being compressed.



The RFID transponder

...on the label makes it possible to digitally document testing – a very simple process with IDXpert Net, the associated SpanSet database software. We would be happy to present the system to you. Simply make an appointment with us!



Sustainability

...is not only shown by the use of sustainable materials in the core of the round sling. SpanSet operates its own environmental management system, for example. Our customers also benefit from this in a very concrete way when we simply repair their damaged MagnumForce Green. In this way, we not only protect important resources, but also their budget.

The marking

...The marking by a sewn-in green strap with the inscription „Green“ signals to users at first glance that they leave a significantly lower CO₂ footprint with the lifting process than with a conventional heavy-duty round sling.

The carrying capacity data

...is woven into the sling in a raised position and is therefore always recognizable, even when it is very dirty. This rules out any incorrect use and eliminates the need for replacement or repair. In short: **MagnumForce Green is certainly more economical.**



Buoyancy

makes MagnumForce ideal for off-shore application: It is easy to recover should it drop into the water by accident.

The compatibility

+ Shackle

...in combination with the MagnumForce Green additionally increase safety with the same load capacity. We have tested this in cooperation with the BGHM (Berufsgenossenschaft Holz und Metall).

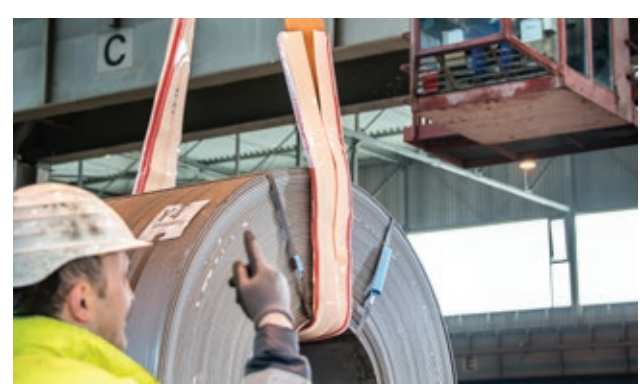


+ Protection sleeves

...protect the MagnumForce Green against sharp edges. The MagnumForce combinations with NoCut or secutex protection sleeves have been tested on the sharpest radii under load.



SpanSet NoCut® sleeve – the textile protection sleeve.



secutex-Schutzschläuche – one and two-sided coatings of sleeves and clips.