Nodus Factory™

Textile fittings & connectors

Nodusfactory-Sail©

2025

www.nodusfactory.com

Créateur d'accastillage & solutions textiles

Innovating for rigging, Noder!

Discover our Nodus Factory-Sail 2025 Catalog: Your trusted equipment manufacturer for successful sea trips.

Immerse yourself in an interactive world where each product reveals its secrets. Simply scan the QR code to place an order online and equip your boat in the blink of an eye.

Need personal advice? Our team of experts is at your disposal
at +33 (0) 2 97 67 64 83. We guide you in your choices to find the perfect textile solutions for your needs.

Proximity, our priority.
In Europe: Benefit from tailor-made support thanks to our network of partners, trained and supported by Nodus Factory-Sail.
Internationally: Local supply points ensure optimal responsiveness, wherever you are.

For information contact us: sail@nodusfactory.com

Why choose Nodus Factory-Sail?
Innovation: State-of-the-art textile products, designed and manufactured in France, for safe and stressless sailing.
Quality: All our products are tested and certified by Bureau Veritas, a guarantee of compliance and durability.
Service: A relationship of trust based on listening, advice and customer satisfaction.

Join the Nodus Factory-Sail community and make every sea trip a unique experience!

Ready to go to sea? Nodus Factory-Sail, your equipment manufacturer, offers you an exclusive selection of quality products. Find the brands you like: Gleistein Ropes, E-Wincher, Pob-Net, Buoy Hook, Outils-Océan and many more on our website.

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Thank you for your trust.
Good navigation.

FAQ – Have a question?

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Email : sail@nodusfactory.com

Which rope for which use?

To ensure the best performance, durability and reliability from your lines, it's important to choose the right fabric!

Whether it's for your sheets, halyards or mooring lines, Nodus Factory™ has put together a comparative table of the different fibers.

Material	Resistance	Lengthening	Longevity	Use
Polyester	3	3	3	Polyvalent
Polyamide	2	1	2	Mooring lines
Polypropylène	2	1	1	Towing
High-modulus polyethylene	5	4	4	Running rigging and sheathing
Aramid	4	4	2	Standing rigging and sheathing
PBO	3	5	1	Standing rigging

Polyester's main quality is its longevity and UV resistance, but its weakness is its elongation (elasticity), which can vary between 8 and 12%, depending on the quality of the fiber. Our Nodus Factory™ halyards and sheets use 'high tenacity' polyesters, which have a lower elongation than standard quality polyester.

Polyamide" has a higher elongation (15-20%), but its high elasticity makes it ideal for mooring, as the fibers protect the cleats from shocks by absorbing jolts. However, a conventional polyamide mooring line is heavy to handle and is not water-repellent, as it absorbs water. Dockline® Nodus Factory mooring lines are made from HT polyester for greater durability.

High modulus **polyethylene**" or Dyneema® or Spectra®, have a similar elongation at break and a breaking strength greater than that of aramid fibers, or eight times that of stainless steel. The advantage of Dyneema® is that it is UV and abrasion resistant, making it ideal for sheaths. Its weakness is that under static load, when subjected to high and prolonged tension, the fiber elongates irreversibly (creep). However, the latest technological developments have made it possible to develop a particularly stable Dyneema® ®.

Aramids, marketed under the Name Kevlar ® or Technora ®, have high impact resistance and excellent breaking strength. The advantages of aramids fibers are low elongation at break (around 3.5%) and remarkable stability under static load (no creep), so the fiber is very strong (five times stronger than stainless steel), with very low elasticity. It is also highly resistant to friction (heat) at 450°C. However, aramids are not very UV-resistant.

PBO, a high-performance but fragile fiber, has a very limited lifespan because it cannot withstand UV rays or scratching, but its advantages are its exceptional breaking strength, very low elongation (elasticity) and excellent mechanical and thermal stability.

Textile® shackles

Dyneema® textile shackles: a must-have for sailing
Used in almost all manoeuvres on board, textile shackles have become essential equipment for sailors. Each model, designed for a specific use, comes in different sizes to meet all needs.

Why choose a Dyneema® Nodusfactory™ textile shackle?
Dyneema® Nodusfactory™ textile shackles offer a unique combination of benefits that make them the tools of choice for navigation:

- Extreme lightness
- Exceptional mechanical strength
- UV and weather resistance
- Excellent abrasion resistance
- Ease of use
- Versatility: Dyneema® shackles can be a great replacement for metal shackles in many applications: halyards, sheets, moorings, etc.

The application qualities of Dyneema® Nodusfactory™ textile shackles

- Safety: The exceptional strength of Dyneema® guarantees maximum safety. In addition, Dyneema® shackles do not pose any risk of bursting or injury if broken.
- Performance: The lightness and strength of Dyneema® shackles help to improve the performance of your sailboat by reducing friction and optimizing load distribution.
- Durability: Thanks to their UV and abrasion resistance, Dyneema® shackles offer exceptional longevity.
- Comfort: The ease of use and the absence of noise make Dyneema® shackles a pleasant piece of equipment to handle.

To summerize, Dyneema® Nodusfactory™ textile shackles combine lightness, strength, durability and ease of use. They are a wise choice for all sailors concerned about the performance, safety and comfort of their sailboat.

To choose the Dyneema® textile shackle that suits your needs, do not hesitate to consult the experts at Nodusfactory™.

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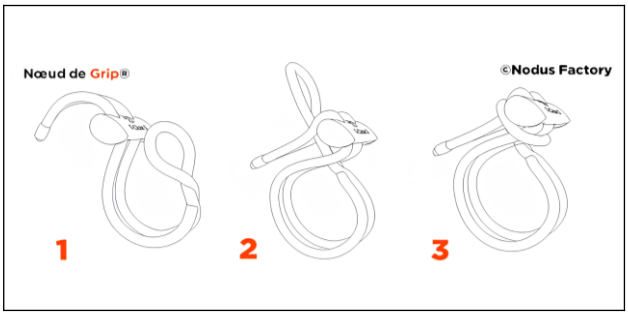
T-close K® - Adjustable textile shackle

« Universal adjustable textile connector »

					Close	30 nds
			kN	gr	cm	M2
20001	20190	K2 / K2s	3,8	2/4	1/7	15
20002	20191	K3 / K3s	7,5	4/8	2/9	30
20003	20192	K5 / K5s	19	14/16	3/10	77
20004	20193	K6 / K6s	26	26/28	4/12	105
20005	20194	K8 / K8s	48	56/60	5/17	194



USE

T-close K adjustable textile shackle in Dyneema® SK78
"The Swiss Army knife of sailing, for simplified and safe sailing."

Versatility:
Replaces metal shackles, knots and carabiners.
Adapts to different rope diameters (2 to 7 mm).
Numerous applications: halyards, sheets, edging, barber-hauler, etc.

Ease of use:
Quick installation and handling.
Secure and easy-to-use T-close K closure system.
Adjustable for a precise fit.

TECHNICAL SHEET

T-close® connector ¬ Glass-filled Pa Tech
100% Dyneema® rope
✓ SK78 12 plaits
✓ pre-stretched, coated ¬ Light grey / black

Dyneema® sheath for the Ks "Technical Range" model
✓ 48 plaits coated Black

Accessories
✓ Block® ring ¬ flexible thermoplastic TPE

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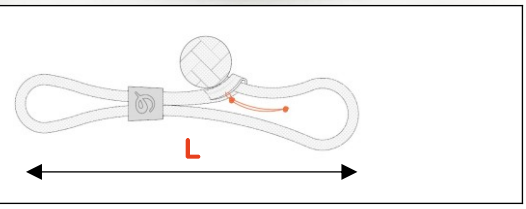
Ms B® - Textile shackle with Dyneema® sheath

«Dyneema® textile shackle »

					30 nds
		kN	gr	cm	M2 < 180°/ 60°
20213	MsB	25	6	10	100/200



TECHNICAL SHEET

Dyneema® Sheath : 100% Dyneema® SK78
Ultra-resistant and lightweight synthetic fiber
SK78 grade : one of the most resistant
Pre-stretched 48FX : better strength and dimensional stability
« coated »: coating for better abrasion resistance and durability
Our sizing is based on fluoropolymer:
Because they offer the best protection against UV and abrasion.

Block Ring®:
- ✓ Flexible TPE thermoplastic
- ✓ Flexible and impact-resistant
- ✓ Provides quick locking and fastening
- ✓ Construction: Erse knot

USE

The Ms B® Textile Shackle is a versatile textile connector that can be used for many sailing applications, including:

It can be used for halyards, sheets, edging, barber-haulers, downhauls, swings, and more

Create attachment points: e.g. for attaching pulleys, jib sheets, reef hangs, etc.

Caution under heavy load, the Ms B® shackle is more difficult to open than textile shackles with T-bone® or T-close® connector.

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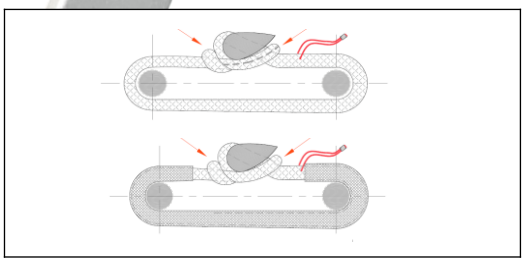
Shackle C® - Halyard & Sheet

« Dyneema® textile connector»

							Ø	30 nds
Courant	Intensive	Technique		kN	gr	cm	mm	M2 < 180°/ 60°
20006	20006i	20006Cs	C 3	8,4	4	4	6/8	34/68
20007	20007i	20007Cs	C 5	18	12	7	8/10	73/146
20008	20008i	20008Cs	C 6	25	28	8	10/12	100/200
20009	20009i	20009Cs	C 8	46	45	8	12/14	180/360



TECHNICAL SHEET

T-close connector* ¬ Pa Tech glass filled
100% Dyneema® SK78 pre-stretched string, oversheated ¬
Light grey / black

Finish according to use:
Running / coated light grey or black
Intensive / coated and polyester sheath
Technical / sewn Dyneema® 48fx sheath

Accessories:
Block Ring® ¬ Flexible TPE Thermoplastic
Twist-lock® ¬ Velcro strap

USE

The **T-Close C Dyneema textile shackle** from Nodusfactory is a versatile connector that can be used for many applications on board a sailboat.

Sailing boats: halyards, sheets, hoists, etc.
Various nautical applications: pulley fastening, anchoring of light equipment, etc.

Its strength and safety make it a reliable choice for offshore maneuvers.
- ✓ Replace traditional metal shackles on halyards and sheets.
- ✓ Attach sails to booms and masts.
- ✓ Adjust the tension of the sails.
- ✓ Create hoists to multiply the force.
- ✓ Pulley and bump attachment.

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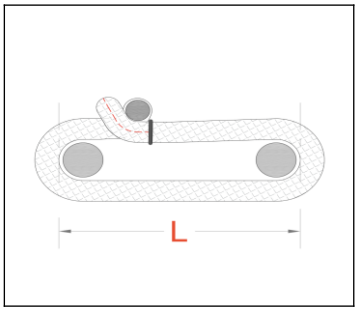
Shackle MHL® – Dyneema® shackle

« Textile sheathed connector »

				kN			cm			Ø mm	30 nds	
Small	Medium	Large		sk78	sk99	gr	A	B	C		M2	
20019	20024	20029	M 8	36	48	12	4,5	9	10	8/10	145	194
20020	20025	20030	M10	60	80	21	5	10	12	10/12	240	320
20021	20026	20031	M12	67	100	42	6	12	14	12/14	270	400
20022	20027	20032	M14	100	140	67	6	14	16	14/16	400	560



TECHNICAL SHEET

T-bone® connector
Hardened anodized 7075 aluminum
100% Dyneema® core and sheath
SK78 or SK99 12fx pre-stretched, coated ¬ Light grey / black
Block Ring® ¬ Flexible TPE Thermoplastic

M HL Shackle Range:
Standart Use "Coating"
Technical Use "Dyneema 48 fx Sheath" as an® option

USE

Replaces traditional metal shackles on halyards, sheets, hoists and other ropes.

- ✓ Mainsail and jib halyards
- ✓ Genoa and spinnaker sheets
- ✓ Boom and downhaul hoists
- ✓ Pulley and Bump Attachment
- ✓ Mooring the boat at the dock

Increases the safety and reliability of manoeuvres at sea.

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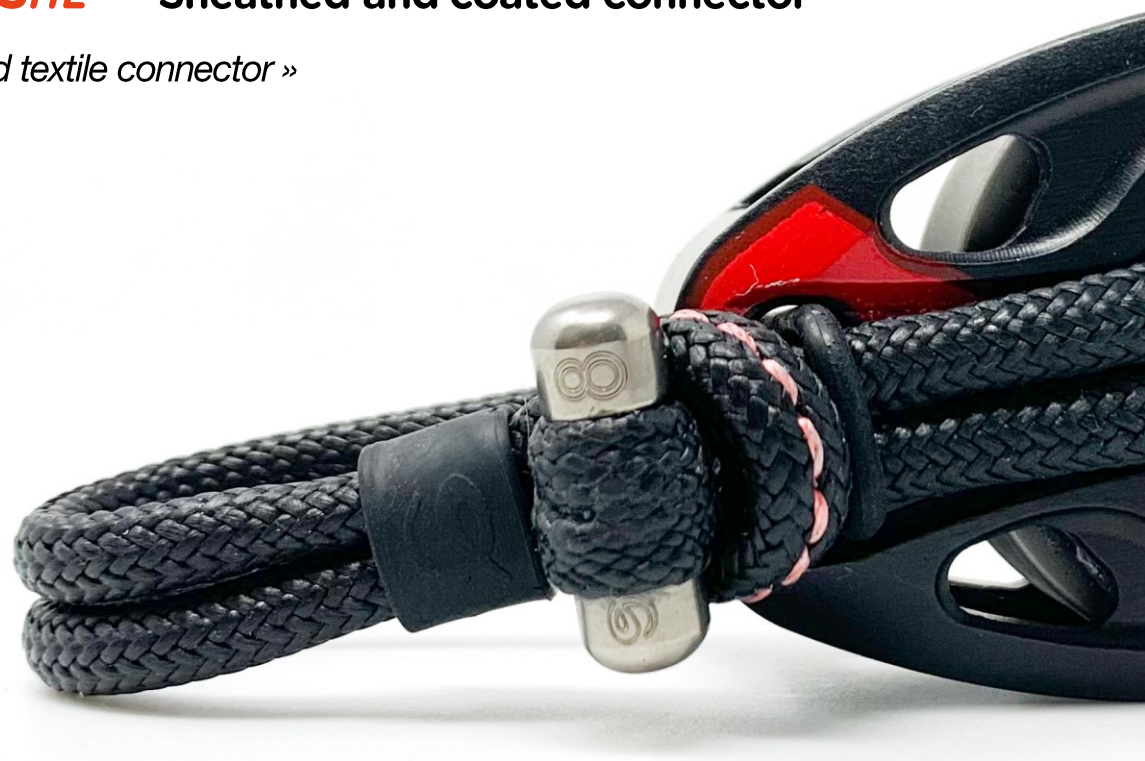
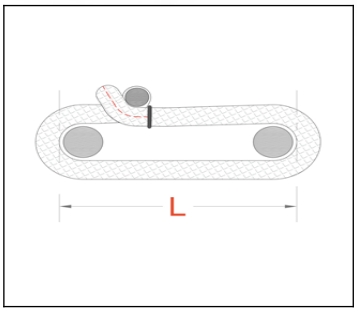
Shackle Ms$_{HL}$® – Sheathed and coated connector

« High-load overbraided textile connector »



				kN			cm			Ø mm	30 nds	
Small	Medium	Large		sk78	sk99	gr	S	M	L		M2	
20033	20035	20037	Ms 8	40		12	8	10	12	8/10	160	
20034	20036	20038	Ms10	60		21	8	10	12	10/12	240	
20180	20178	20039	Ms12		100	42	10	12	14	12/14		400
	20179	20040	Ms14		140	67		14	16	14/16		560



TECHNICAL SHEET

T-Bone® connector: Hardened anodized 7075 aluminum
100% Dyneema® core
SK78 or SK99 12fx pre-stretched, coated ¬ Light grey
100% Dyneema® sheath
SK78 48 FX Coated Black
Block Ring® ¬ Flexible TPE Thermoplastic

USE

The Ms® textile shackle is designed to withstand harsh marine conditions and offers a long service life.

Halyards: ideal for mainsail and jib halyards, as it is light and resistant.
Sheets: ideal for genoa and spinnaker sheets
Hoists: especially useful for boom and downhaul hoists
Pulley and Painter Attachment: A practical solution for attaching pulleys and painters to the boat deck.

Boat Dock Dock: Can be used to dock the boat to the dock, providing a lighter and safer alternative to metal chains. Increases the safety and reliability of manoeuvres at sea.

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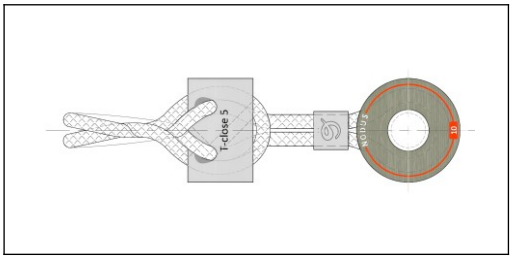
Shackle R® – Tackel shackle Block

« Textile connector & low-friction ring »

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20343	Manille R3	7	7	10	4/6	28/56
20345	Manille R5	17,5	10	14	6/8	71/142
20346	Manille R6	25	12	20	8/10	101/202



TECHNICAL SHEET

T-close® connector
PA Tech glass filled
100% Dyneema® fiber SK78 12 fx pre-stretched , coated ¬ Light grey / black
Technical range, 100% Dyneema® ® sheath SK78 48 FX coated Black
Low-friction FRD ring made of hardened aluminum Dark Grey/Black
Block Ring® ¬ Flexible TPE Thermoplastic

USAGE

2:1 flying pulley for efficient rope hauling.
Quick installation on chainplates, saddles and fargue rails.
Wide range of applications: halyards, sheets, curbs, gearboxes, etc.

- ✓ Muffled mainsail halyard.
- ✓ Border (Hoist 2:1).
- ✓ Barber-hauler.
- ✓ Wiretap referrals.
- ✓ Trimming.
- ✓ boom vang.
- ✓ Cascading backstays.

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Textile® carabiners

Dyneema® Nodusfactory™ textile carabiners: performance at your fingertips

Dyneema® Nodusfactory™ textile carabiners are high-performance connectors, designed to meet the most rigorous requirements of navigation.

Available in different versions (quick opening, jettisonable, jettisonable under load), they offer exceptional versatility and adapt to all types of manoeuvres.

Why choose a Dyneema® textile carabiner?

Lightweight and maneuverable: Made of Dyneema®, an ultra-light and strong fiber, our carabiners significantly reduce the weight of your rig, while providing excellent grip.
Exceptional strength: Dyneema® guarantees exceptional breaking and wear resistance, even under the most extreme conditions.
UV and weather resistance: Dyneema® carabiners retain their mechanical properties over time, without the need for special maintenance.
Safety: Reliable locking systems and high-quality materials ensure optimum safety when manoeuvring.
Versatility: Our carabiners can be used in many applications: halyards, sheets, moorings, downhauls, etc.

The textile carabiner: a strategic choice
The choice of textile carabiner depends on several criteria:
- The type of sail.
- The type of manoeuvre
- Sailing conditions

The advantages of the Dyneema® Nodusfactory™ carabiners in detail:
Quick Opening: Save time and efficiency with our quick-release carabiners.
Secure Release: Our jettisonable carabiners allow you to quickly release a line safely.

In summary, Dyneema® Nodusfactory™ textile carabiners are essential equipment for all demanding sailors. Their lightness, resistance and versatility make them the best allies to improve the performance and safety of your sailboat.

Do not hesitate to consult our online catalog to discover our entire range of textile carabiners.

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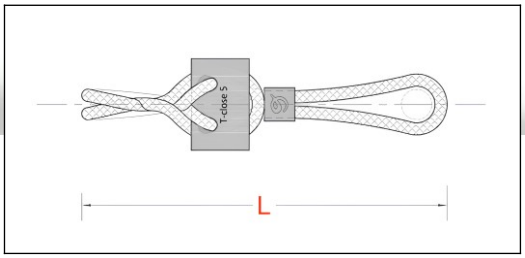
M T-close® – Halyard and sheet carabiner

« Dyneema® Halyard & Sheet Connector»

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20047	M T-c3	6	4	9	20	25/50
20048	M T-c5	16	10	12	25	65/130
20049	M T-c6	22	18	14	30	89/178
20050	M T-c8	33	36	17	40	133/266



TECHNICAL SHEET

T-close connector ¬ Pa Tech glass filled
100% Dyneema® SK78 pre-stretched string, coated ¬ Light grey / black

Finish according to use:
Running / coated light grey or black
Intensive / coated and polyester sheath
Technical / coated and sewn Dyneema® 48fx sheath

Accessories:
Block Ring® ¬ Flexible TPE Thermoplastic
Twist-lock® ¬ Velcro strap

USE

The Dyneema M T-Close C® textile carabiner from Nodusfactory is a versatile connector that can be used for many applications on board a sailboat.
Sailing boats: halyards, sheets, hoists, etc.

Various nautical applications: pulley attachment, equipment anchoring, etc.
Its strength and safety make it a reliable choice for offshore maneuvers.

Replace the traditional metal carabiners on halyards and sheets.

- ✓ Attach sails to booms and masts.
- ✓ Adjust the tension of the sails.
- ✓ Create hoists to multiply the force. (Friction rings option)
- ✓ Reefing Bumps

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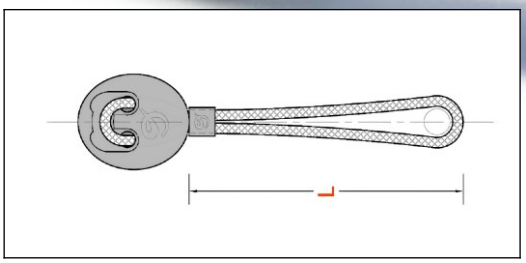
Snap shackle T-sail® - Spi & gennaker

« Dyneema® connector »

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20053	M T-sail5	10	8	10	35	40/80
20054	M T-sail6	17	18	11	40	70/140
20055	M T-sail7	27	32	12	45	100/200



USE

The **M T-sail® is designed for spinnaker and gennaker** halyards and sheets with eye termination.
"An eye is a loop formed at the end of the rope"

Fixation:
Direct on the sheet, this requires the use of a Textile-Block attachment system.
This system (sold separately) creates a strong loop that then connects to the M T-sail® carabiner.

Directly on the lark's head or shackle on the sail (clew): if the sheet of your spinnaker or gennaker already has an eye at its end whose size is compatible with the M T-sail® (see the size chart provided by the manufacturer), you can clip the carabiner directly into this eye.

Opening and closing:
The M T-sail® has a quick and easy closing system that allows it to be opened and closed with one hand. Once the halyard or sheet is inserted into the opening, close the carabiner to make the connection.
Its strength and safety make it a reliable choice for offshore maneuvers.

Replace the traditional metal carabiners on the halyards and spinnaker sheets and sheets.

TECHNICAL SHEET

T-sail Connector ¬ Pa 11 Carbon 30%
100% Dyneema® SK78 pre-stretched string, coated ¬ Light grey / black

Finish according to use:
Standart / coated light grey or black
Technical / coated and sewn Dyneema® 48fx sheath

Accessories:
Block Ring® ¬ Flexible TPE Thermoplastic

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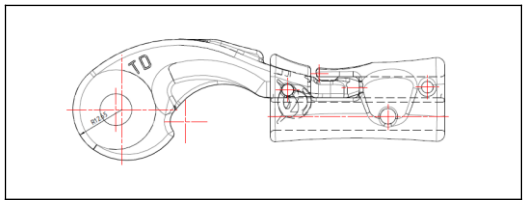
Snap shackle T-drop® - Release under load

« Dyneema® carabiner for release under load »

				Close	Open	25 nds
		kN	gr	cm	cm	M2 < 180°/ 60°
20056	M T-drop 12	8	22	9	18	45/80



USE

The T-drop® carabiner is designed for spinnaker and gennaker sheets with eye termination.
"An eye is a loop formed at the end of the rope"
A reliable choice for offshore maneuvers.

Replace the traditional metal carabiners on the spinnaker and gennaker sheets in light winds.

Fixation:
Direct on the sheet, this requires the use of a Textile-Block attachment system. This system (sold separately) creates a strong loop that then connects to the M T-drop® carabiner.

Attachment to the sail ¬ The pelican hook can be placed directly in the clew or via a textile block®

Use:
Closing the carabiner ¬ Push the locking ring, secure with the pin
Pressure Release ¬ Remove the safety pin, pull the locking ring

TECHNICAL SHEET

M T-drop connector ¬ Pa Tech glass 60%
100% Dyneema® SK78 pre-stretched sheath string, black sewn ¬ 48fx

Optional accessories:
Textile Block® ¬ Flexible TPE Thermoplastic

Attachment device designed for the sail clew (Ring, strap,... etc). Loop made of Dyneema® and delivered with a locking ring Ring Block®

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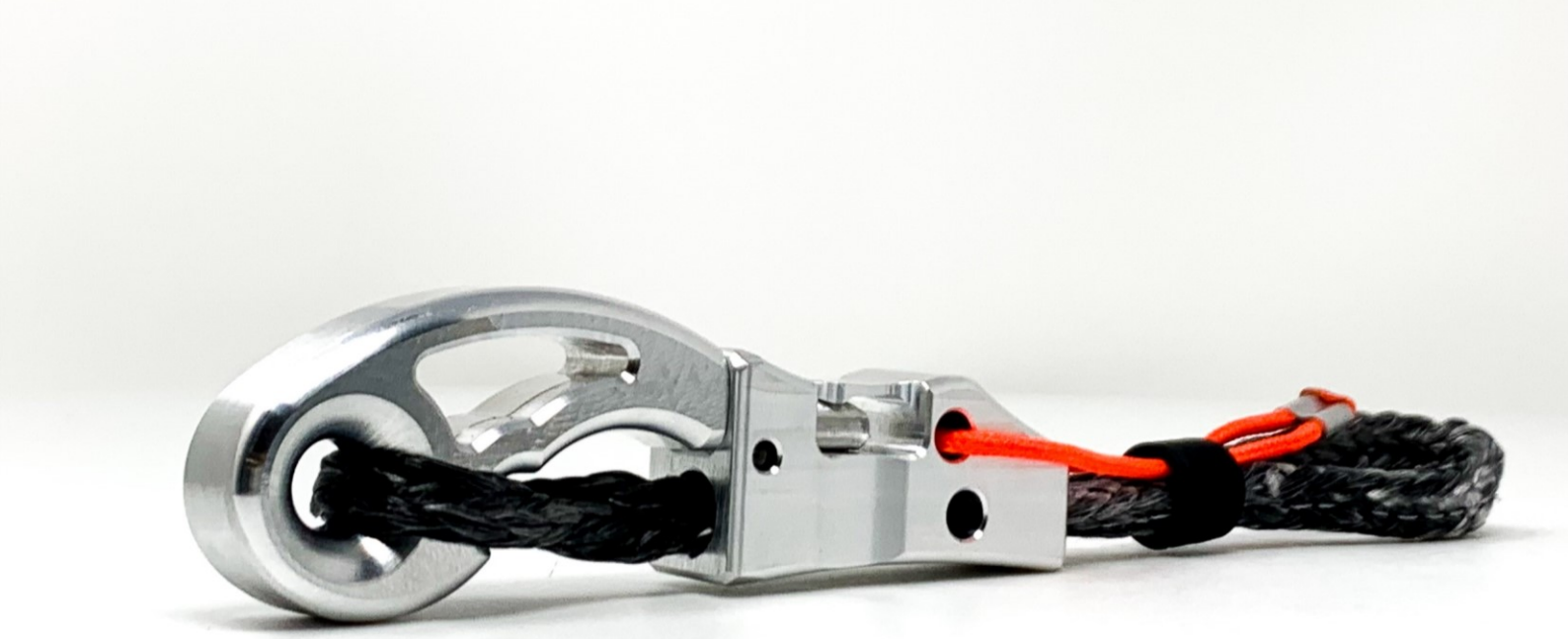
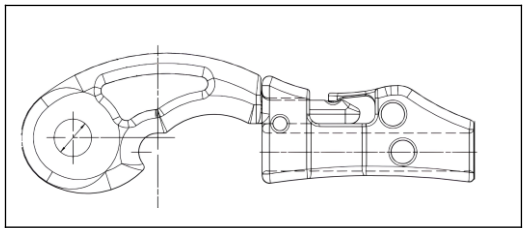
Speed-drop® - Load release snap shackle

« Dedicated to Spinnaker and headsail manoeuvres»



				Close	Open	25 /30 nds
		kN	gr	cm	cm	M2
20260	S T-drop 12	25	44	9	12	150 / 110
20260M	MS T-drop 12		58	9	18	



TECHNICAL SHEET

- ✓ **Speed-drop® carabiner**
- ✓ 7075 AluminumHard Anodizing Treatment
- ✓ Friction resistance with a good glide coefficient under high load
- ✓ Improved rigidity
- ✓ Corrosion resistance (to clogging of nickel salts, about 300 hours)
- ✓ The hard oxide layer develops for 50% in excess thickness and for 50% in metal
- ✓ 100% Dyneema® Rope
- ✓ SK78 pre-stretched, 48Fx ¬ black or light grey

Option
Textile-Block®: attachment device designed for the sail clew (ring, strap,... etc). Loop made of Dyneema® and delivered with a locking ring Ring Block®

USE

Speed-drop® is mainly used on sailboats to facilitate maneuvering and increase safety when using spinnakers and halyards.

Here are its two main uses:
1. Spi:
The Speed-drop® is ideal for quickly releasing the spinnaker sheet in the event of an unexpected gale or any other situation requiring a quick release of the sail. In an emergency situation, this helps to avoid potentially dangerous situations.
2. Halyard:
The speed-drop® can also be used for halyards, which are used to raise and lower the sails. As with the spinnaker, it allows the sail to be released quickly if necessary.

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Loops & Textile® Connectors

Loops & Dyneema® Connectors® Nodus Factory: innovation at the service of navigation

Push the boundaries of performance with Nodus Factory
Discover a new generation of textile fittings designed to meet the highest demands of modern sailing. Our **Dyneema® Loops & Connectors®** are the result of many years of research and development and embody excellence in materials and workmanship.

Why choose Nodus Factory?

Exceptional materials: Our products are made from Dyneema® and Technora®, ultra-high-performance fibers used in the fields of aeronautics and motor racing. These materials guarantee exceptional resistance to breakage, abrasion and UV rays.
Innovative design: Our R&D teams are constantly pushing the boundaries of innovation to offer you ever more efficient products adapted to your needs.
Quality manufacturing: All our products are made in France, in compliance with the strictest standards.
Unrivalled versatility: Our Loops & Connectors® adapt to all types of sailboats and all manoeuvres, from yachting to offshore racing.

Loops & Connector® Locks®: The Future of Hardware
Our Loops & Connector® Locks® with zippable eye are the gold standard for soft connectors. Thanks to their innovative locking system, they offer unrivalled safety and reliability.

Ideal for:
Pulleys: Replace your traditional blocks with our Loops & Connectors® to reduce friction and increase the life of your rig.
Low-friction rings: Optimize your sailboat's maneuvers with our low-friction rings, which are lightweight and strong.
Nub Pulleys: Pair our Loops & Connectors® with our Nub Pulleys to create a high-performance deflection system.

The advantages of Loops & Connector® Locks®:
Quick and easy installation: Thanks to their zippable eye system, the Loops & Connectors® Locks® can be installed in seconds.
High modularity: Customize your rig to suit your needs with our wide range of products.
Exceptional durability: Loops & Connector® Locks® are designed to last over time, even in the most extreme conditions.

To summerize, the Dyneema® Nodus Factory Loops & Connectors® are the ideal solution for all browsers looking for performance, reliability and innovation.

Discover our complete range of products now and equip your sailboat with the best textile fittings.

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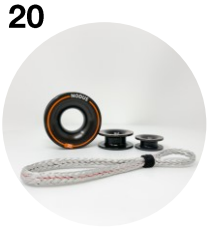
20 

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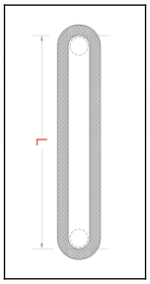
Loop HL® – Sheathed Dyneema® loop

« High-load Dyneema® loop connector »

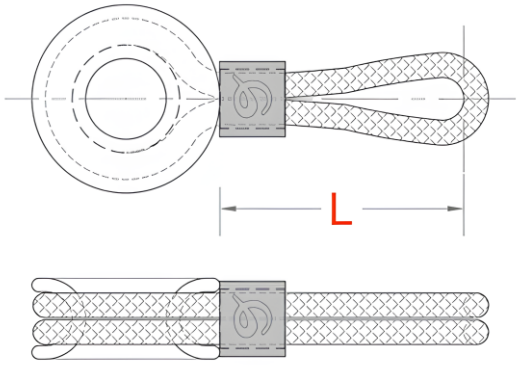
						kN			cm					Ø	30 nds	
						Sk78	Sk99	gr	XS	S	M	L	XL	mm	M2 < 180°/ 60°	
20168	20171	20062	20067		L2,5	10	15	3	14	16	19	22		20	40/80	60/120
	20058	20063	20068		L3	19	27	4		16	19	22		30	75/150	110/220
	20059	20064	20069	20072	L4	31	47	11		16	19	22	28	40	125/250	190/380
		20065	20070	20073	L5	40	62	18			19	22	28	50	160/320	250/500
		20066	20071		L6	47	70	24			19	22		60	190/380	280/560



TECHNICAL SHEET

100% Dyneema® fiber
SK78 12 fx pre-stretched , coated ¬ Light grey / black
Technical range, 100% Dyneema® sheath
SK78 48 FX coated Black

Accessory
Block Ring® ¬ Flexible TPE Thermoplastic
Twist-Lock® Velcro strap



USE

Universal textile connector: High-strength Dyneema®, pulleys and hoists.
Versatile: Sheet rails, beam, boom, spars, backstays, staysails, strap pulleys, gearboxes.
Performance: Dyneema® SK78/SK99, low friction, durability, safety.
Simplicity: Quick installation, easy strapping, optimal adaptability.

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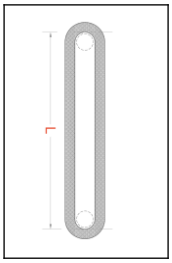
Loop S *HL*® « with sheath » – Loop High load

« Overbraided Dyneema® loop for high loads »

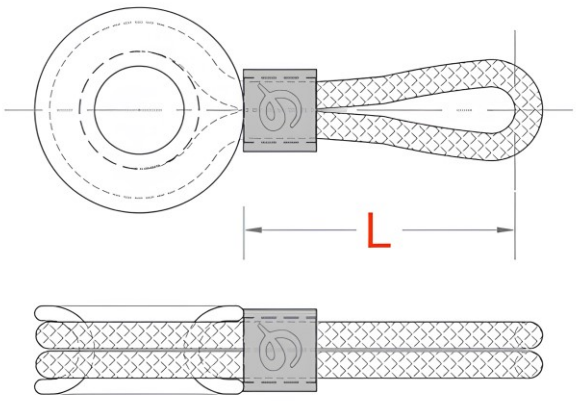
						kN			cm					Ø	30 nds	
XS	S	M	L			Sk78	Sk99	gr	XS	S	M	L		mm	M2 < 180°/ 60°	
20084	20087	20090			L2 HI	10	15	10	7	20	22			20-30	40/80	60/120
20085	20088	20091			L3 HI	19	27	13	9	20	22			30-50	75/150	110/220
20086	20089	20092	20093		L4 HI	31	47	19	11	20	22	26		50-60	125/250	190/380



TECHNICAL SHEET

100% Dyneema® fiber
SK78 12 fx pre-stretched , coated ¬ Light grey / black
100% Dyneema® sheath
SK78 48 FX coated Black

Accessory
Block Ring® ¬ Flexible TPE Thermoplastic
Twist-Lock® Velcro strap



USE

High-strength Dyneema® overjacketed loop: Optimal protection, maximum load.
Universal textile connector: High-strength Dyneema®, pulleys and hoists.
Robust: Dyneema® sheath, protective coating, high load.
Versatile: Pulleys, hoists, sheets, halyards, spars, fittings.
Safety: Abrasion resistance, UV, water, long service life.
Protect-Coating Polymer® Treatment

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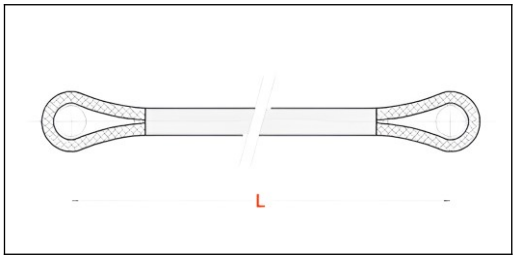
Textile Lock® - Fastener with adjustable eye

« Adjustable, universal Dyneema® loop for low-friction rings »

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20255	Lock 3	19	14	16	20/30	77/144
20252	Lock 4	31	21	22	30/45	120/240
20256	Lock 5	40	51	28	45/60	160/320



USUSAGEE

Textile Lock®: Revolutionary Dyneema® connector for low-friction rings.
Quick and secure attachment: Self-tightening adjustable eye, without quilting.
High load: Twin-strand Dyneema®, ideal for reefers and reefs mainsails.
Versatility: Friction rings in different sizes, double-strand basket or lark's head.

Setting up the ring:
1- Open the Textile-Lock by sliding the sheath downwards.
2- Install the accessory (friction ring, NUB,...).
3-Put the product in a situation with the two strands around the accessories, trigger guard, chainplate, reefing,...
4-Close the Textile-Lock on the ring by sliding the sheath upwards.
5-Block the strands of the strand with the Twist-Lock accessory


1


2


3

TECHNICAL SHEET

Loop with eye termination, 100% Dyneema® SK78
12 fx pre-stretched , coated ¬ Light grey / black
System-Lock®
Intensive PES oversheat (lock), 100% HD polyester Black & Orange
Dyneema® oversheath technical (lock), 100% Dyneema® SK78
48 fx ¬ Black

Twist-Lock® Accessory
Velcro Polypropylene & Velour PA
Lock®: Textile loop for friction rings and Nub®
Lock 3 ¬ Ø ring 20/30
Lock 4 ¬ Ø ring 30/40
Lock 5 ¬ Ø ring 40/60

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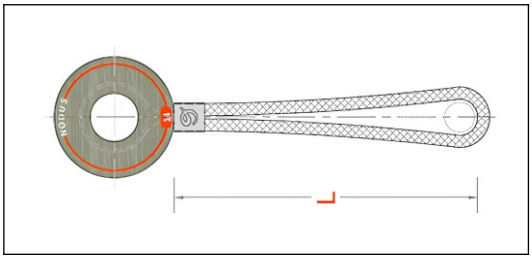
LR® - Loop and Ring « *Adjustable Dyneema® loop* »

"*Universal adjustable textile connector for low friction ring*".

					Ø Ring	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20217	**LR3**	**15**	**2**	14	30	60/120
20214	**LR4**	**25**	**4**	17	40	100/200
20215	**LR5**	**30**	**8**	20	60	120/240



TECHNICAL SHEET

Adjustable textile loop, 100% Dyneema® SK78 12 fx pre-stretched, coated ¬ Light grey / black
Block® ring, made of flexible TPE thermoplastic

Nodusfactory Accessories: Low Friction Rings
Static use
Fr P-Tech - P-Tech Low Friction Ring in Self-Lubricating Engineering Resin ¬ black
Internal diameter 10 mm, 14 mm, 20mm

Dynamic use
FrD : Low-friction ring made of hardened anodized Duralumin ¬ anthracite gray
Internal diameter 10 mm, 14mm or 20mm
Fr C-Tech : Low Friction Ring in PA11 Carbon ¬ Black
Internal diameter 10mm, 14mm, 20mm, 28mm

USE

Loop & Ring LR®: Adjustable Dyneema®, reduced friction, universal connectivity. Withstands heavy loads

Adjustable Dyneema® Loop is the ideal textile accessory to quickly connect a low-friction ring without quilting
Allows you to create halyard or sheet returns

A universal Dyneema® textile connector for low-friction ring that easily replaces a pulley

For quick and easy attachment between two elements: mainframe edging, gearboxes, barber-hauler, retracter, in-hauler, etc.

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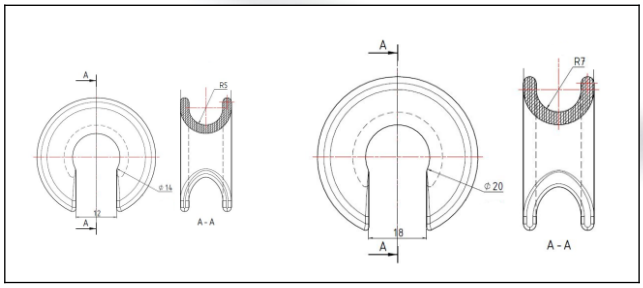
LR Hook-Tech® – Open Friction Ring

"Loop and ring with Hooker friction ring for Dyneema® rope"

				Ø	30 nds
Ring Static		kN	gr	mm	M2 < 180°/ 60°
20347	**LR4Hk 14p**	**15**	**8**	**6/10**	**60 / 120**
20348	**LR5Hk 20p**	**25**	**16**	**10/14**	**110 / 220**
Ring Dynamic					
20294	**LR4Hk 14c**	**6**	**8**	**6/10**	**25 /50**
20295	**LR5Hk 20c**	**12**	**16**	**10/14**	**48 / 96**



USE

Loop & Ring LR®: Adjustable Dyneema®, reduced friction, universal connectivity.

Adjustable Dyneema® Loop is the ideal textile accessory to **quickly connect a low-friction ring** without quilting
Allows you to create halyard or sheet returns

A universal Dynnema® textile connector for low-friction ring that easily replaces a pulley
The Open Friction Ring - Hook®
Loop and Ring wide passage
3D headsail adjustment
Dyneema Wire Sheets
Deck Dishes

… just about everything, depending on the necessary load efforts!

Designed to support two types of loads:
Static Load - Hook P
Dynamic Load - Hook C-tech

TECHNICAL SHEET

Adjustable textile loop, 100% Dyneema® SK78 12 fx
pre-stretched, coated ¬ Light grey / black
Block® ring, made of flexible TPE thermoplastic
Open low-friction, high-strength ring

Body of the Hook® "Open Ring"
Hook p self-lubricating thermoplastic material
POM / use Static, low friction speed T°C continuous use T°C 100°

Hook C-Tech® Self-Lubricating HD Polymer
Pa 11 Carbon / use Dynamic, very high friction speed
T°C of continuous use T °C +140 /180

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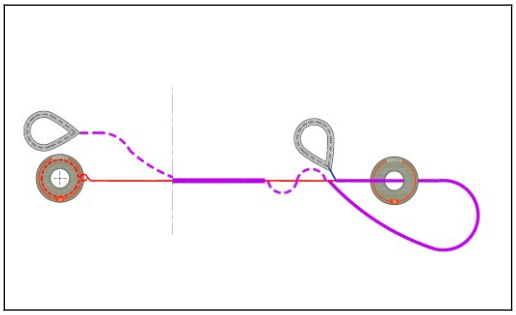
Blocker-roller® - Textile adjustment

"Textile blocker for 3D sheet adjustment"

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20225	Blocker-Roller 3	7,5	18	12/45	4/8	30/60
20226	Blocker-Roller 4	9	28	15/55	6/10	36/72
20227	Blocker-Roller 5	25	68	25/65	10/14	100/200
20228	Blocker-Roller 4H	4	28	15/55	6/10	16/32
20229	Blocker-Roller 5H	12	68	25/65	10/14	50/100



USE

Blocker-Roller: Self-locking and adjustable Dyneema® textile blocker.

Genoa clew adjustment:
The Blocker-Roller is an excellent tool for adjusting the clew of the genoa. By adjusting the length of the rope, you can easily change the height of the clew and thus optimize the shape of your sail.

Spinnaker sheet adjustment:
The Blocker-Roller can also be used to adjust spinnaker sheets. By locking the sheets, you can hold the spinnaker in place and prevent it from deflating.

Installing the Blocker-Roller:
Easy to install. It can be attached to a rail, trigger guard, chainplate or any other solid anchor point on your sailboat.

Using the Blocker-Roller:
Simple to use. To block the sheet, simply pass it through the ring of the Blocker-Roller and pull on the strop. To unlock the sheet, simply release the tension on the strop.

TECHNICAL SHEET

Blocker-Roller® - Adjustable and self-locking textile blocker.

- ✓ Dyneema® 12 fx Sk78 mixed hollow braid and stitching
- ✓ Adjustment buckles with Dyneema® 48 fx sk78 sheath
- ✓ Textile shackle connector "Bosco's knot" Nodus Factory
- ✓ FRD rings in hardened aluminum or optional accessory "Hook-friction" type.

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Sailing accessories & booms

Nodus Factory, textile innovation at the service of nautical performance. Rugged and durable sailing accessories, designed to push the limits.

Sail further, lighter, safer. **The future of sailing is now**.

Our innovative textile accessories, built to last, offer you a safer, more efficient and more enjoyable boating.

- **MF T-close® and MF T-sail® jib carabiners:** Simplified manoeuvring and enhanced safety for your headsails.
- **ST-close® and SC® adjustable boom straps:** Precise and fast adjustment of your mainsail, for optimized performance.
- **Spi 4Nub® spinnaker pulley:** Simplified management of your spinnaker, for smoother maneuvers.
- **Textile Fuse Textile Fuse®:** Protect your rig with ease.
- **Sleek® carbon pulley and T-lazy® blocker**: Innovative solutions for your lazy-jacks, for efficient and secure storage of your sail.

The excellence of materials at the service of performance.
Our Dyneema® and PA11 carbon accessories push the boundaries of boating performance. Thanks to their exceptional mechanical properties, these ultra-light and resistant materials offer unparalleled durability and optimize the performance of your sailboat.

- **Dyneema®:** Exceptional breaking strength, low elongation, high abrasion and UV resistance.
- **PA11 carbon:** High stiffness, low density, excellent fatigue and corrosion resistance.

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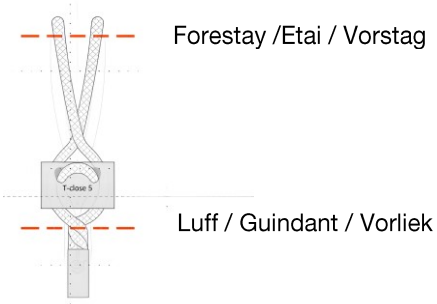
Mf® T-close – Jib sail carabiner

«Dyneema® jib rings»

				Close	30 nds
		kN/Mf	gr	mm	M2
20041	Mf 3,2	5	4	20	20 / Mf
20042	Mf 3,4	5	5	40	20 / Mf
20043	Mf 3,6	5	6	60	20 / Mf
20044	Mf 5,2	8	10	20	32 / Mf
20045	Mf 5,4	8	11	40	32 / Mf
20046	Mf 5,6	8	12	60	32 / Mf



USE

Mf® T-close – Jib carabiner for easily and quickly derailing a headsail on a forestay, whether metal or textile.
Benefits:
Direct installation on the sail: The carabiner attaches directly to the sail eyelet, without the need for sewing or a metal ring.
Quick assembly and disassembly:
The T-close system allows for quick and easy opening and closing, even with one hand.
Increased safety:
The carabiner has a safety system that prevents accidental opening.
Strength and durability:
Made of Dyneema®, the carabiner is extremely resistant to UV, abrasion and weathering.
Versatility:
The Mf® T-close carabiner is available in several sizes to accommodate different forestay and sail diameters.

TECHNICAL SHEET

T-close® connector, PA Tech glass filled
100% Dyneema® fiber
SK78 12 fx pre-stretched , coated ¬ Light grey / black
Joint Lock-Ring® ¬ EPDM protect anti-UV

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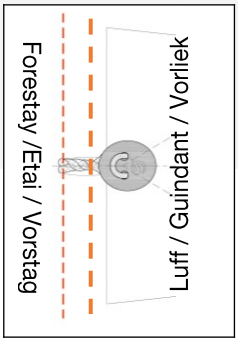
Mf® T-Sail – Jib Carabiner on Patch

« Dyneema® jib ring »

					Mf T-Sail	T-Bone Sail			30 nds
Patch to stick and sew		kN	gr	cm	mm	mm			M2 < 180°/ 60°
		Mf Sail			Close	PA 11 Carbone			M2 / Mf Sail
20383	Mf Sail 5.2	10	28	17/12/12	20	35	15	30	40/80
20388	Mf Sail 5.4				40				
20389	Mf Sail 6.2	17	38	21/14/16	20	42	18	37	70/140
20390	Mf Sail 6.4				40				
20391	Mf Sail 7.2	27	52	25/16/19	20	50	21	43	100/200
20392	Mf Sail 7.4				40				



USE

Mf T-sail® – Jib carabiner on patch ready to glue and sew directly to the sail**.**
Benefits:
Direct installation on the sail: The patch with its carabiner attaches directly to the sail.
Strength and durability:
Made of Dyneema®, the carabiner is extremely resistant to UV, abrasion and weathering.
Versatility:
The Mf® T-sail carabiner is available in several sizes to accommodate different forestay and sail diameters.
Rig and unrigg quickly:
The Mf T-sail® carabiner allows for quick and easy opening and closing, even with one hand.
Increased safety:
The carabiner has a safety system that prevents accidental opening. "Block Ring"

TECHNICAL SHEET

Mf T-Sail Patch:
Backing: Polyester Insigna Sticker
A/ Polyester PXB Black
B/ Aramid BX Black
C/ Polyester CDX Sandwich Laminate
D/ Polyester Contender DP
E/ Dyneema Sandwich Laminate ZZU Ultra PE

T-sail® connector 5 / 6 / 7
PA 11 Bio-based Carbon
100% Dyneema® SK99 fiber
Mf T-Sail 5 - Ø3 mm 12 fx pre-stretched, PU coated ¬ black
Mf T-Sail 6 – Ø4 mm 12 fx pre-stretched, coated PU ¬ black
Mf T-Sail 7 – Ø5 mm 12 fx pre-stretched, PU coated ¬ black

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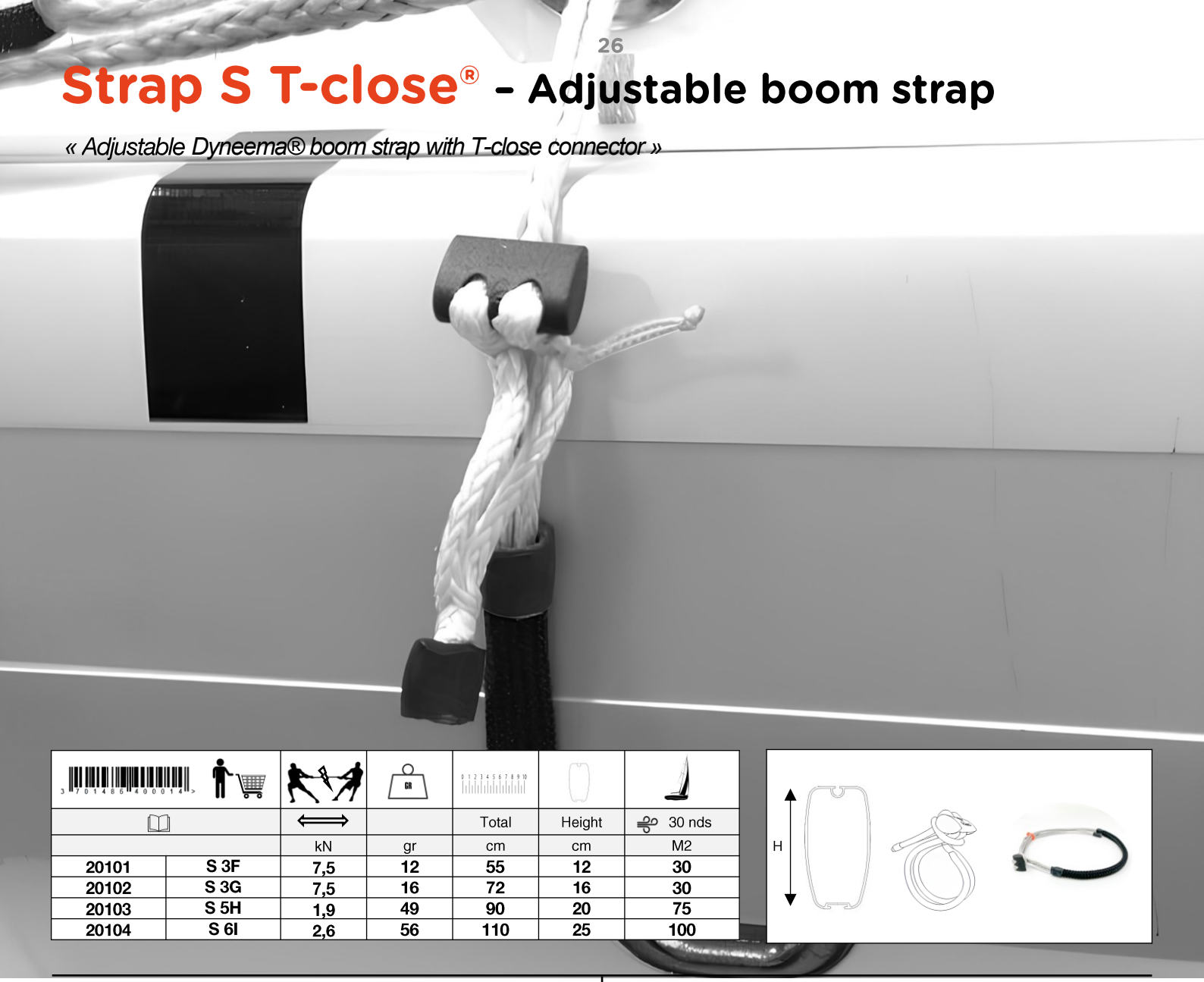
Strap S T-close® – Adjustable boom strap

« Adjustable Dyneema® boom strap with T-close connector »



				Total	Height	30 nds	
		kN	gr	cm	cm	M2	
20101	S 3F	7,5	12	55	12	30	
20102	S 3G	7,5	16	72	16	30	
20103	S 5H	1,9	49	90	20	75	
20104	S 6I	2,6	56	110	25	100	

TECHNICAL SHEET

T-close connector ¬ Movable locking piece, multiple sizes available
T-close® connector ¬ Pa Tech glass filled
100% HD polyester sheath
Tightly woven and coated ¬ Black or white
Structural, glued and crimped HDPE termination
100% Dyneema® fiber
SK78 12 fx pre-stretched , coated ¬ Light grey/black

USE

Adjustable textile "tie" strap connector to attach the clew point of a free-edge mainsail to the boom
Adjustable and self-locking Dyneema® loop

How to change the length of the loop:
Slide the T-close® connector, then make the locking closure by the Grip© Knot

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Boomstrap SC® – Adjustable boomstrap

« Adjustable Dyneema® boomstrap with lashing»

					Height	30 nds
		kN	gr	cm	cm	M2
20105	Sc 2	10	8	20 / 60	8	40
20106	Sc 3	20	12	30 / 60	12	80
20107	Sc 4	30	23	40 / 95	16	120
20108	Sc 5	40	30	50 / 95	20	160

TECHNICAL SHEET

Flat hollow braid type strap 100% Dyneema®

- ✓ 48 fx pre-stretched , black coated ¬
- ✓ Structural eye termination ¬ sewn
- ✓ Dyneema® SK78 Hollow Braid Lashing
- ✓ SK78 12 fx pre-stretched , coated ¬ Light grey / black
- ✓ Glued and crimped PEDH termination

USE

Sc® Dyneema® DSK78 48fx webbing clew strap
A clew webbing designed for free edge sails made from Dyneema®, a high-performance textile fibre known for its strength and durability.

The webbing is also smeared, making it even more resistant to abrasion and UV rays.

Adjustable textile 'tie' connector for attaching the clew of a free-sailing mainsail to the boom.

- ➢ Loop adjustable by lashing, supplied, closure blocked by a minimum of 4 half-keys.
- ➢ The mainsheet hoist can be attached directly to the tie strap.

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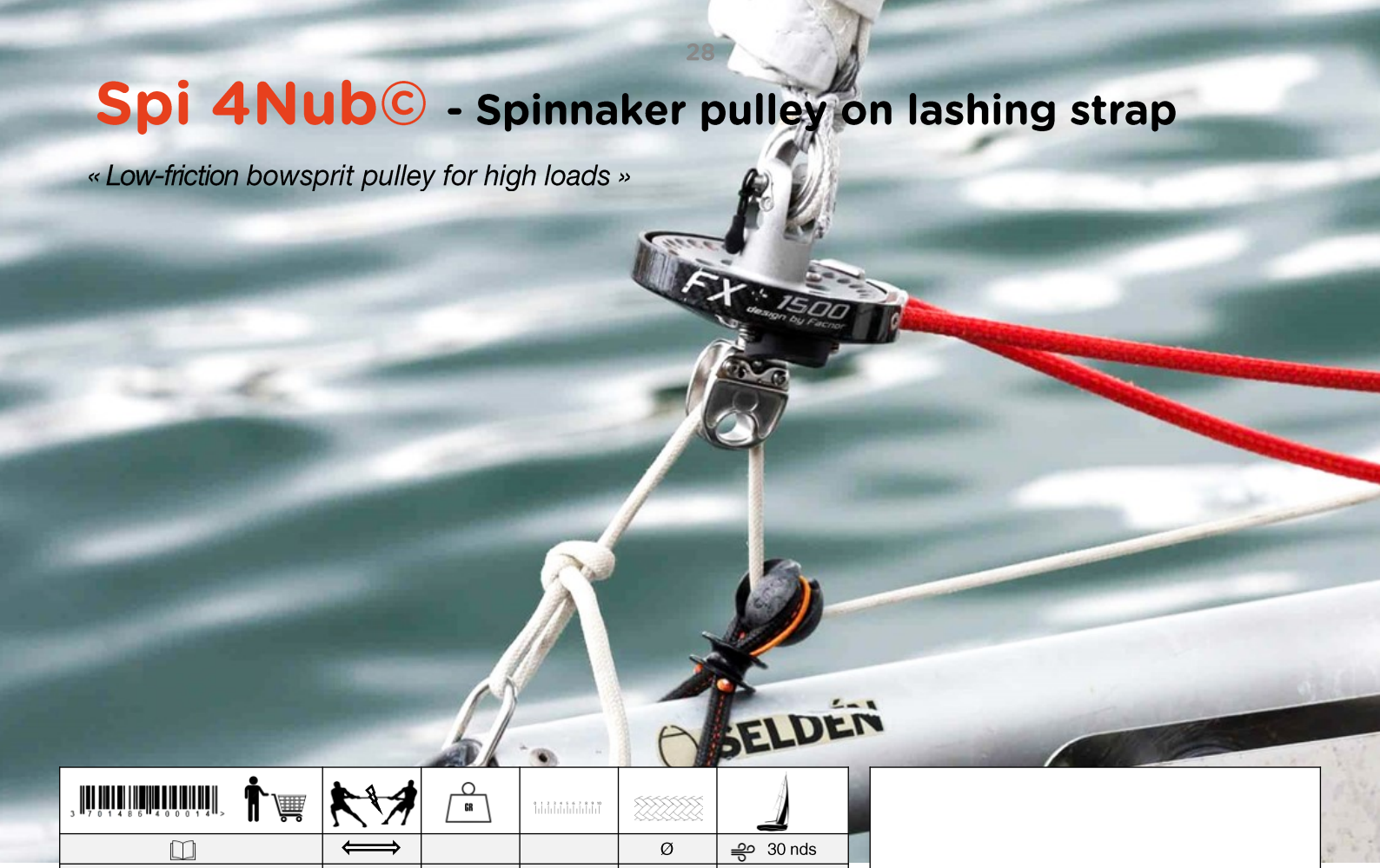
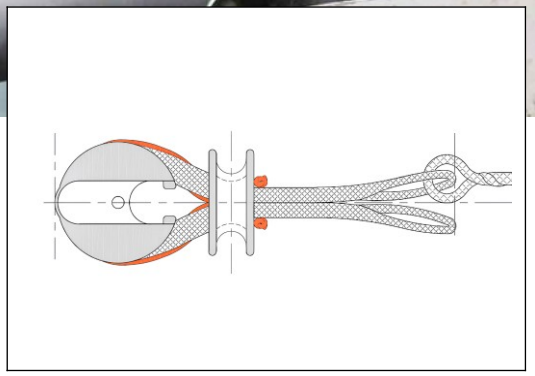
Spi 4Nub© - Spinnaker pulley on lashing strap

« Low-friction bowsprit pulley for high loads »



					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20122	**Spi 4 Nub**	35	66	50	8/12	140 / 280



Usable for bowsprit

Bowsprit	**Ø 70 mm**	**Ø 80 mm**	**Ø 90 mm****	**Ø 100 mm****
Spi	60 m2	80 m2	100 m2	130 m2
Gennaker	37 m2	50 m2	65 m2	105 m2
Jibreefing*	1,5 t / 2,5 t	2,5 t / 4,5 t	4,5 t / 7,0 t	4,5 t / 7,0 t

With under beard **Loop with lashing & FrD Friction ring

TECHNICAL SHEET

100% hollow braid flat strap in pre-stretched Dyneema® Sk78 48 fx, black

- ✓ Structural eye termination ¬ sewn
- ✓ Dyneema® SK78 Lashing – 12 fx
- ✓ Nub® Low Friction Pulley ¬ Self-Lubricating Engineering Polymer Resin ¬ Black

USE

Spi 4 Nub, spinnaker pulley for bowsprit with lashing strap attachment

- ✓ Tack position can be adjusted with the Nodus FR14 friction ring
- ✓ Strap length adjustable by Dyneema® lashing, closure blocked by 4 half keys minimum.
- ✓ Locking of the strap on the bowsprit by a glue-on Pad-Race or a screw-on trigger guard.

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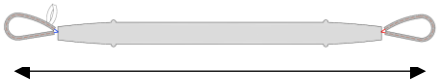
Sail-Fuse®- Mainsail shock absorber

« Patented FR2105794 »

		kN		gr	cm	cm	30/40 nds M2
20201	Sail-Fuse 6	6	16	10	18	90	25 / 16
20202	Sail-Fuse 12	12	25	12	20	110	50 / 33
20203	Sail-Fuse 18	18	36	14	25	135	73 / 49



Sail-Fuse 6 de 180 mm / 900 mm

Sail-Fuse 12 de 200 mm / 1100 mm

Sail-Fuse 18 de 250 mm / 1350 mm

USE

Sail-fuse®: Dyneema® mainsail load fuse and damper.
Protect your sailboat and rig from sudden shocks and gusts.

The Sail-fuse®:
Sail-Fuse is used to ensure the connection between two elements that are subjected to opposing forces during their use.
Energy-absorbing textile connector to be attached between boom and mainsail hoist
Breaks under excessive load to dissipate energy and prevent damage.
Easy to install and compatible with all types of sailboats.

Benefits:
Protection against damage to the rigging.

Passive Safety:
Acts as a safety system in the event of gusts or violent gybes.
This system does not replace establishing "the sail of time", there is no such thing as zero risk.

TECHNICAL SHEET

Rope 100% in Hollow Braid type webbing in Dyneema®
- ✓ 48 fx Sk 75 pre-stretched , coated ¬ Black
- ✓ Polyopheline HDPE sheath
- ✓ PES stitching

Nodusfactory™ mainsail shock absorbers, "Sail-fuse®" textile fuse are made in France and made in our workshops by our expert.

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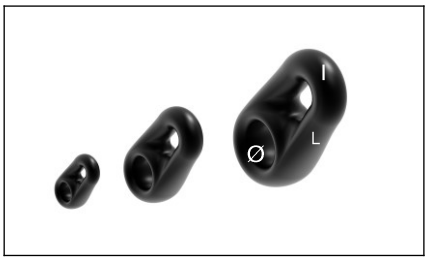
Sleek® Pulley - Low Friction Carbon Pulley

« Ultra-light sheave-free pulley made of P-Tech® carbon polymer »

				mm				Ø mm	30 nds
		kN	gr	Ø	H	I	L		M2 < 180°/ 60°
20308	Sleek 5c	4,5	5	8	12	19	38	4/6	18/36
20374	Sleek 3c	2,7	3	5	7	11	23	3/4	10/20
20373	Sleek 2.5c	2,3	2,5	4	6	8,5	19	2/3	9/18



TECHNICAL SHEET

Sleek® low-friction pulley in P-Tech carbon,
for ropes from 2 to 5 mm
Bio-sourced technical polymer

Material: PA11 filled with 30% carbon (Recycled)
- ✓ Coefficient of friction: 0.15
- ✓ Tensile strength: 170 MPa
- ✓ Modulus of Elasticity: 8 GPa
- ✓ Operating temperature: -40°C to +180°C
- ✓ Chemical Resistance: Excellent
- ✓ Excellent UV resistance

USE

Extremely light and resistant friction pulley, it is halfway between a low-friction ring and a sheave-free pulley with clevis.
Friction resistance with a good glide coefficient under load.

Lazy-Jack and Lazy-Bag
- ✓ Adjusting the mainsail drop
- ✓ Deck Drains

… just about everything!

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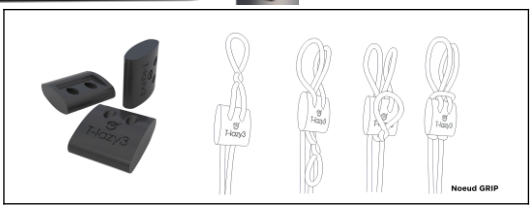
T-lazy® – Adjustable Lazy-Jack

«Adjustable textile blocker with T-lazy connector»

					Ø
		kN	gr	cm	mm
20161	T-Lazy 3 C	4,4	18	45/85	3
20162	T-Lazy 3 R	11	16	45/85	3



TECHNICAL SHEET

Rope 100% Dyneema® or HD polyester
✓ (R) SK78 12 fx Pre-Stretched, Coated ¬ Light Grey/Black
✓ (S) PES pre-coated ¬ Grey

T-lazy connector ¬ Movable locking piece,
✓ Pa Tech glass filled
Structural, glued and crimped HDPE termination

How to change the length of the loop:
➢Slide the T-lazy® connector, then make the locking closure by the Grip© Knot

Assembly:
1. Put the textile loop on the T-Lazy® connector
2. Slide the connector to the desired height, pick up and tighten the link, let go of the link. The system is blocked,

USE

T-Lazy®: Block your Lazy and awnings in the blink of an eye!

Precise and fast adjustment
The T-Lazy® is an innovative textile clamp for optimal control of your Lazy bags, Lazy jacks and awnings.

Easy and intuitive installation
No more complicated knots! Simply slide the T-Lazy® connector and lock it in place with a Cap® or Grip® node.

Versatile and powerful
The T-Lazy® is a great replacement for traditional solutions. Simpler, faster and more reliable, it adapts to all your uses.

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Friction Ring & Nub®

Low Friction & Nub® Rings

Which friction ring for which use?

Each friction ring has a specific use, and it is important to check its characteristics to use it properly..!

Low-friction rings: the choice of materials for optimal performance
Polyacetal: Ideal for general static use or for dynamic dyneema, offers a good compromise between strength, lightness and cost.
PA11 carbon: Ideal for dynamic use, extremely light and resistant, perfect for applications where weight is critical (dinghy, aviation).
Duralumin: Rugged and durable, suitable for heavy loads and aggressive marine environments.

- Take a look at our **Comparison Table**

The low-friction rings will easily find their place on your boat as a replacement for an old pulley.

Associated with a textile connector: shackle, loop, textile Dyneema® erse and our locking systems (Twist Lock® / Bague Block®), Nodusfactory™ friction rings will provide you with strength, lightness and performance to equip and rig your sailboat.

Whatever your project, Nodus Factory has the solution.

Nodus Factory Hardware & Tips

Follow the basic rules of seamanship to ensure maximum low-friction ring load.

- A larger eye increases the resistance of the ring, the angle of the splice at the throat will have a minimum of 15 degrees.
- The length of the flat eye should be at least 2.7 times the diameter of the groove of the ring.
- FR 10 = 27 mm / FR 14 = 38 mm / FR 20 = 54 mm / FR 28 = 76 mm
- The textile connector for the ring must have a minimum of 0.6 times the diameter of the groove (loop, shackle, lashing, strope,...etc).
  The Ø of the sheet or halyard will be at least:
- FR 10 = 4 mm / FR 14 = 6 mm / FR 20 = 10 mm

35

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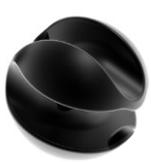


Which friction ring for which use?

Friction rings, or for a correct terminology "low friction rings" will easily find their place on your boat as a replacement for a pulley (asymmetrical spinnaker tack, reef bosses, waterfall, mast foot pulley, etc.).
Combined with our textile connectors: shackle, loop, Dyneema® erse and our locking systems (Twist Lock® / Ring Block®), the Nodus Factory™ friction rings will bring you resistance, lightness and performance to equip and rig your sailboat.
Made of different materials depending on the use for which they are intended, our material comparison will help you choose your ideal low-friction ring.

Matière	Durabilité	Friction	T° usage	T° Celsius	Dynamique	Statique	Prix matière
PA 11 Carbone	4/5	5/5	4/5	+ 170 ° / 191°	4/5	4/5	5/5
ALUMINIUM	**4**/5	**4**/5	**5**/5	+ 180° / 240°	**4**/5	**5**/5	**4**/5
INOX 316L	5/5	4/5	5/5	+ 425° / 860°	4/5	5/5	5/5
POM	**3**/5	**4**/5	**2**/5	+ 100°/ 120°	**2**/5	**4**/5	**2**/5
PA6 / Pa 6C	**4**/5	**3**/5	**3**/5	+ 120°/ 140°	**3**/5	**3**/5	**2**/5

If you are looking for the n°1 low friction ring, as efficient as a basic pulley, the PA 11 30% carbon is for you:

- ➢Longer wear life than metal
- ➢+/- 6900 hours continuous friction
- ➢+/- 200000 Halyard shipments, tacking, sail trimming,....
- ➢80% lighter than metal

Load forces as a function of deflection angle!

To choose your fittings or ropes to arrange your deck plans, you must take into account that the force exerted by the rope on a pulley, a friction ring or a Nub must take into account a coefficient which is determined by the angle of the forces given by the rope. (see table below)

For example:

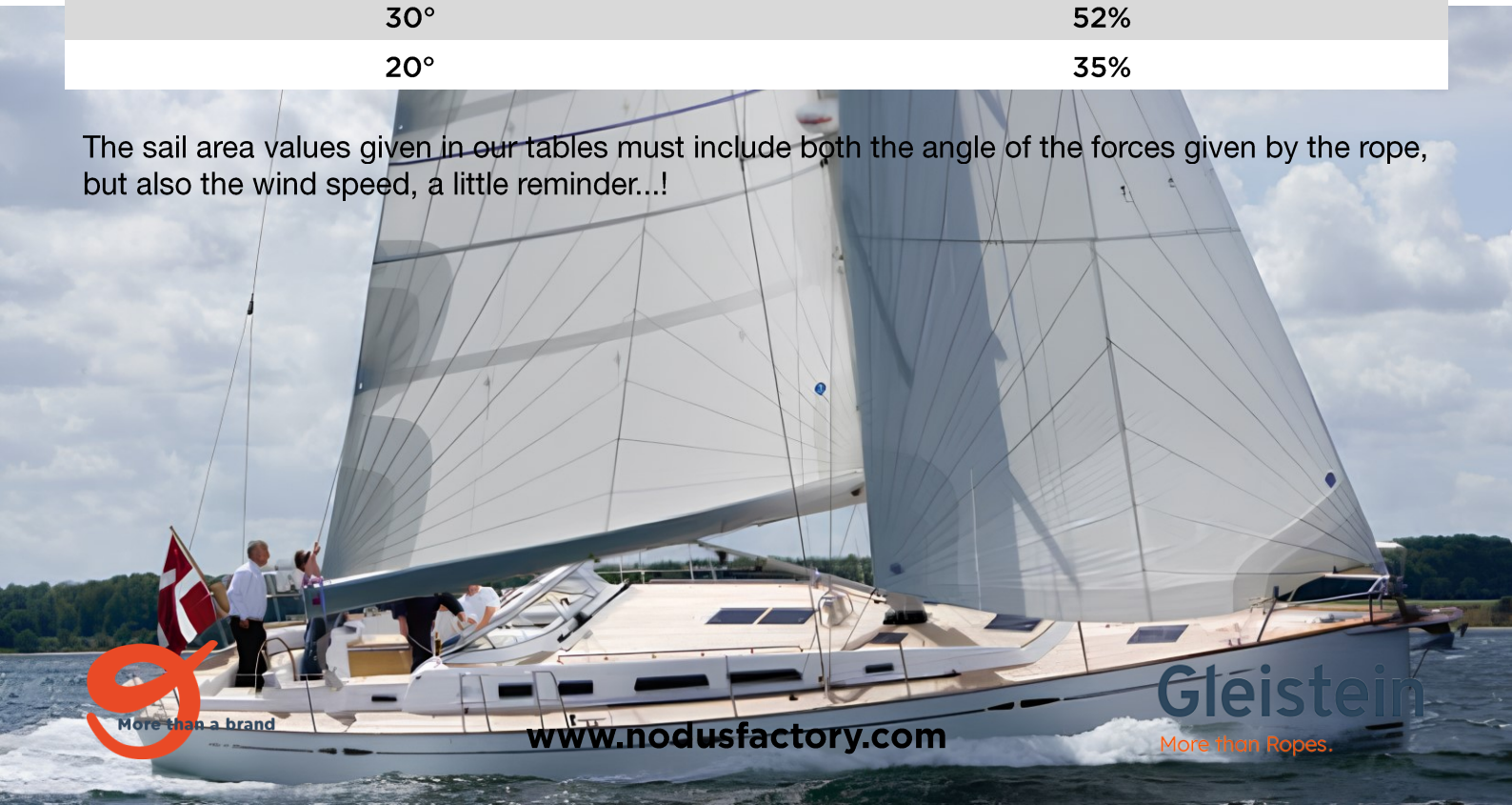
- A low-friction ring that returns a rope at 180° is subjected to a load equal to 2 x its load,
- On the other hand, when deflecting at 30° with a Barber Hauler, a deflection pulley or a Hook, the effort is only 52%.
- At the foot of the mast, it is preferable to use Duralumin or Nub guides than resin rings because they are subject to greater forces at 90° or 140%.

You can remember that at the foot of the mast the maximum sail area values indicated in our tables must be reduced by 40% to choose your low friction guides.

Comparison table:

Deflection Angle	Load Coefficient
180°	200%
160°	197%
140°	187%
120°	173%
90°	141%
75°	122%
60°	100%
45°	76%
30°	52%
20°	35%

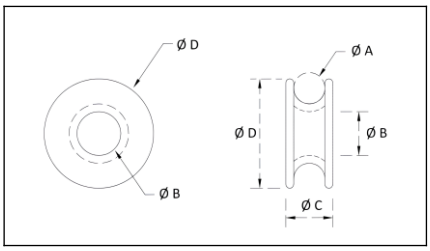
The sail area values given in our tables must include both the angle of the forces given by the rope, but also the wind speed, a little reminder...!



P-Tech® Ring - Low Friction Ring

“Low-friction ring made of P-Tech® Low / Carbon High engineering polymer”

				mm				Ø mm	30 nds
		kN	gr	A	B	C	D		M2 < 180°/ 60°
20109	P-Tech 10	9	2	7	10	12	24	4/6	36/72
20110	P-Tech 14	12	4	10	14	16	34	6/8	48/96
20111	P-Tech 20	16	16	14	20	22	49	8/14	65/130



TECHNICAL SHEET

P-Tech, low-friction ring made of self-lubricating resin / black
Low Friction ¬ Tech Polymer / POM Thermoplastic

General Properties:
Designation: Polyoxymethylene (POM)
Family: Thermoplastic
Density: 1.41 g/cm³
Melting temperature: 162 - 175 °C
Continuous operating temperature: -40 °C to +100 °C
Tensile strength: 70 - 90 MPa
Tensile modulus of elasticity: 3200 MPa
Elongation at break: 3 - 5 %

USE

Static use
- ✓ 3D headsail adjustment
- ✓ Double-listening referrals
- ✓ Deck Flats & Hoist

… just about everything, depending on the necessary load efforts!

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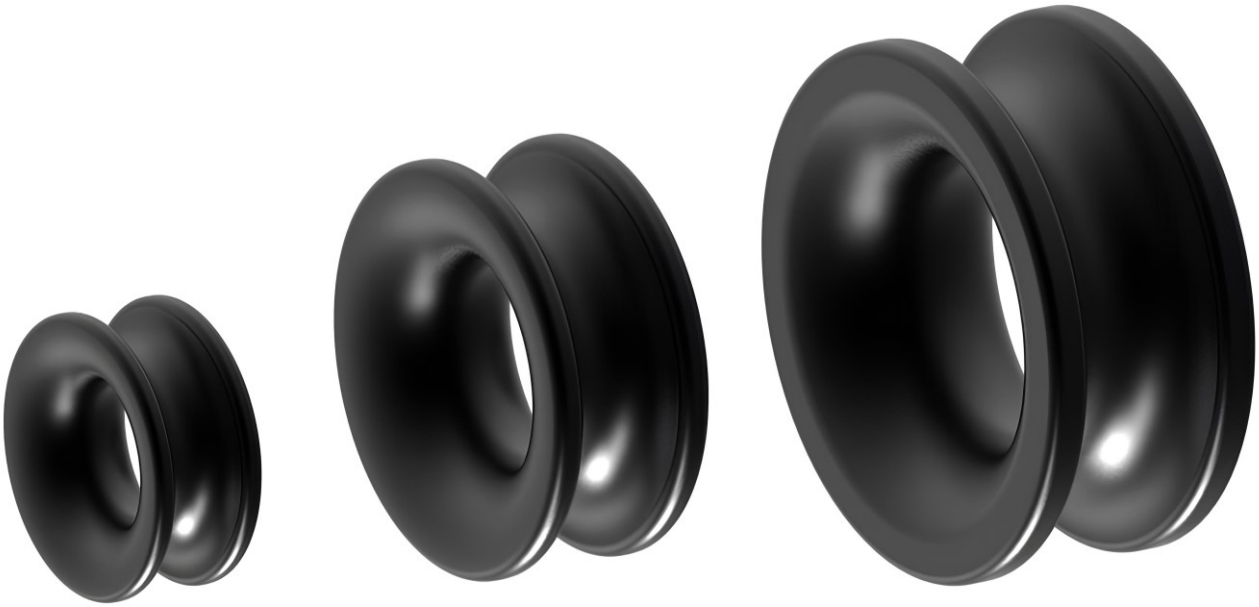
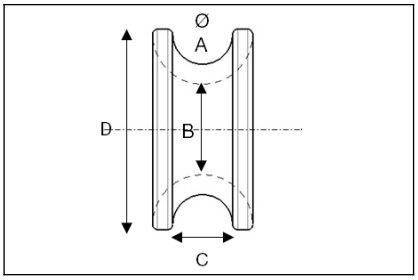
C-Tech® Ring - Low Friction Carbon Ring

"C-Tech® Carbon Polyamide Friction Ring"



				mm				Ø mm	30 nds
		kN	gr	ØA	B	C	D		M2 < 180°/ 60°
20299	C-Tech 10-21	6	3	7	10	12	21	6/8	25/50
20300	C-Tech 14-30	9	5	10	14	16	30	8/10	35/70
20301	C-Tech 20-42	15	14	14	20	22	42	12/16	60/120
20372	C-Tech 28-60	24	20	20	28	30	60	18/24	90/180



TECHNICAL SHEET

C-Tech carbon, carbon-filled polyamide friction ring
High Friction ¬ Technical Polyamide C-Tech® Pa 11 ¬ 30% Carbon Black
Thermoplastic po-polymer from the aliphatic polyamide family
2-component / Base polymer, recycled carbon fibers

USE

Dynamic Use
- ✓ Wide passage
- ✓ 3D headsail adjustment
- ✓ Double-listening referrals

… just about everything, depending on the necessary load efforts!

Dynamic Use, High Friction Speed Continuous Use T°C +170 /191
Coefficient of friction of C-tech C 0.38 compared to aluminum 1.35

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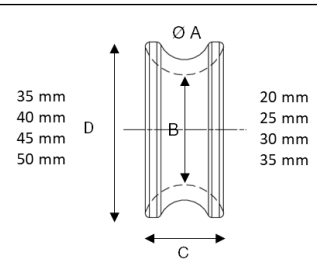
C-Tech XL® Ring - Carbon Eye-Extra Large Ring

« C-Tech® carbon polymer wide-passage ring »

		180° / 60°		mm				Ø mm	30 nds
		kN ⟺	gr	A	B	C	D		M2 < 90°/ 60°/45°
20330	C-Tech XL 20-35	9/18	6	12	20	18	35	14	50 / 73 / 91
20331	C-Tech XL 25-40	9/18	8	12	25	18	40	18	
20332	C-Tech XL 30-45	9/18	9	12	30	18	45	24	
20333	C-Tech XL 35-50	9/18	10	12	35	18	50	28	



TECHNICAL SHEET

C-Tech-XL friction ring, with extra wide eye made of carbon-filled polyamide.
High Friction ¬ C-Tech® Technical Polyamide
Pa 11 ¬ 30% recycled carbon color Black
Thermoplastic polymer from the aliphatic polyamide family
2 components / Base polymer, carbon fibers
Dynamic Use, High Friction Speed Continuous Use T°C + 170 /191
Coefficient of friction of P-tech C 0.15 compared to aluminum 1.35

USE

Dynamic Use
- ✓ Extra wide passage
- ✓ 3D headsail adjustment
- ✓ Double-listening referrals

… just about everything, depending on the necessary load efforts!

The force exerted by the rope passing through the ring varies according to the angle at which the rope exits the ring.

Example:
180° = 200%
90° = 140%
60° = 100%
45° = 75%

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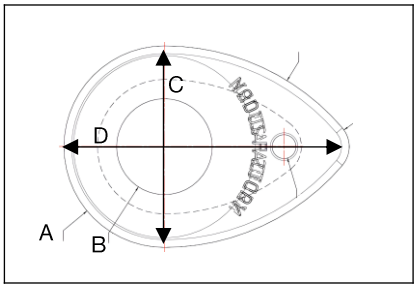
Carbon thimble - C-Tech carbon Din 3091

«C-Tech® Carbon Polymer Ring with wide Passage »

				mm				Ø mm	30 nds
		kN	gr	ØA	ØB	C	D	splice	M2 < 180°/ 60°
20316	Cc-Tech 10	9	5,3	5	10	21	30	4/5	25/50
20317	Cc-Tech 14	12	5,9	7	14	30	41	6/7	33/66
20318	Cc-Tech 20	18	17	10	20	42	60	8/10	44/88
20392	Cc-Tech 28	24	47	14	28	60	84	12/14	97/194



TECHNICAL SHEET

Reinforced DIN 3091 Thimble :
C-Tech Carbon ring with wide passage.
Low Friction ¬ Self-lubricating C-Tech® technical polyamide ¬ 30% carbon Black
3 components / Base polymer, fibers and a lubricating additive.

USE

The **Cc-Tech®** core lug is an essential element for achieving a safe and durable splice.
It reinforces the rope termination and distributes the load over a larger area, reducing the risk of breakage.
They are integrated into the rope splice.

Reinforced Low Friction Heart Lug - Dynamic Use
Ensures the finish of your splice, strengthens and solidifies its hold.
Spliced eye on rope and splice
Wide passage

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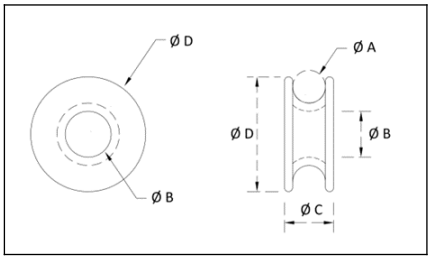
FrD© Ring - Low Friction Ring

"Duralumin® Low Friction Ring"

				mm				Ø mm	30 nds
		kN	gr	A	B	C	D		M2 < 180°/ 60°
20115	**FrD 10**	**1500**	**8**	**8**	**12**	**12**	**30**	**4/8**	**61/122**
20116	**FrD 14**	**1800**	**16**	**10**	**16**	**16**	**40**	**6/10**	**73/146**
20117	**FrD 25**	**3400**	**60**	**16**	**24**	**17**	**60**	**12/18**	**137/274**



TECHNICAL SHEET

FrD Duralumin Low Friction Ring
Hard Anodizing Treatment
Friction resistance with a good glide coefficient under high load
Improved rigidity
Corrosion resistance (to clogging of nickel salts, about 300 hours)
The hard oxide layer develops for 50% in excess thickness and for 50% in metal
Anthracite grey color, orange marking

Propriétés	PA11 carbone 30%	Duralumin anodisé
Densité	1,15 g/cm³	2,7 g/cm³
Résistance à la traction	170 MPa	450 MPa
Module d'élasticité	8 GPa	70 GPa
Coefficient de frottement	0,15	0,2
Résistance à la température	180°C	200°C
Résistance aux produits chimiques	Excellente	Bonne
Origine	Huile de ricin	Bauxite

USE

High load in use Dynamic
3D headsail adjustment
Backstay
Lower boom
Double-listening referrals
Deck Flats & Hoist
… just about everything!

Observe the basic rules of seamanship to ensure maximum girdle load.
A larger eye increases the resistance of the ring, the angle of the splice at the throat will have a minimum of 15 degrees.

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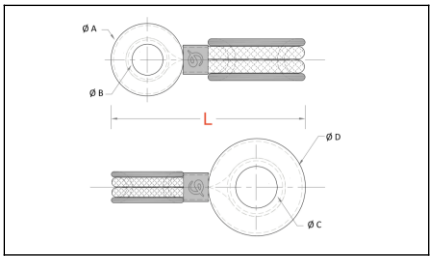
Block-Friction® FrD – Friction Violin Pulley

«Violin Pulley - Dyneema® & Duralumin® FrD Friction Ring»

				mm				Ø mm	30 nds
		kN	gr	A/D	B	C	L		M2 < 180°/ 60°
20273	BF 14-10	18 /15	25	40	10	14	7	8/6	60/120
20274	BF 20-14	36 /18	75	60	14	20	13	14/10	75/150



TECHNICAL SHEET

FRD low-friction ring, made of hardened anodized Duralumin
¬ anthracite grey
- ✓ FrD10/FrD14 & FrD14/FrD20
- ✓ High tensile strength: 2200 MPa
- ✓ Fatigue Strength: 10^7 cycles
- ✓ Abrasion resistance: 30% higher than titanium
- ✓ Corrosion resistance: 30 micron hard anodizing

Textile® crimping between rings, core and sheath 100% Dyneema®
- ✓ SK78 12 fx pre-stretched , coated ¬ Light grey / black
- ✓ Block® ring, made of flexible TPE thermoplastic
- ✓ Weight optimized for sail applications
- ✓ 30% lighter than stainless steel

USE

Multiple uses: halyards, sheets, balances, boom downhauls, backstays, sail adjustments, etc.
Suitable for all types of sailboats

High load in static and dynamic use
- ✓ Under beard
- ✓ 3D headsail adjustment
- ✓ Backstay
- ✓ Lower boom
- ✓ Double-listening referrals
- ✓ Deck Flats & Hoist

… just about everything!

The textile bond allows the load to self-align, which reduces fatigue.

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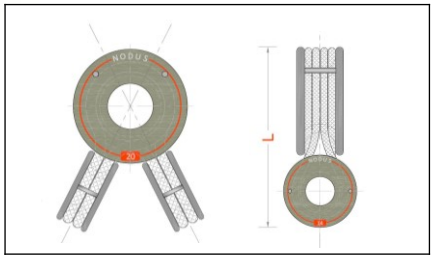
Mickey-Ring® FrD – 3D violin pulley

"3D Violin Ring - Dyneema® & Duralumin®"

				mm				Ø mm	30 nds
		kN	gr	A/D	B	C	L		M2 < 180°/ 60°
20244	BF M 14-10	18 /15	25	40	10	14	7	8/6	60/120
20245	BF M 20-14	36 /18	75	60	14	20	13	14/10	75/150



TECHNICAL SHEET

Low-friction ring FrD, made of hardened anodized Duralumin
¬ anthracite gray
✓ FrD10/FrD14
✓ FrD14/FrD20

Textile® crimping between rings, core and sheath 100% Dyneema®
✓ SK78 12 fx pre-stretched , coated ¬ Light grey / black

Block® ring, made of flexible TPE thermoplastic

FrD Ring
✓ Friction resistance with a good slip coefficient under high load
✓ Improved rigidity
✓ Corrosion resistance
✓ Anthracite grey color, orange marking

USE

Multiple uses:halyards, sheets, balances, boom downhauls, backstays, sail adjustments, etc.
➢ Suitable for all types of sailboats

High load in static and dynamic use
✓ Under beard
✓ 3D headsail adjustment
✓ Backstay
✓ Lower boom
✓ Double-sheet return
✓ Deck Flats & Hoist

… just about everything!

The textile bond allows the load to self-align, which reduces fatigue.

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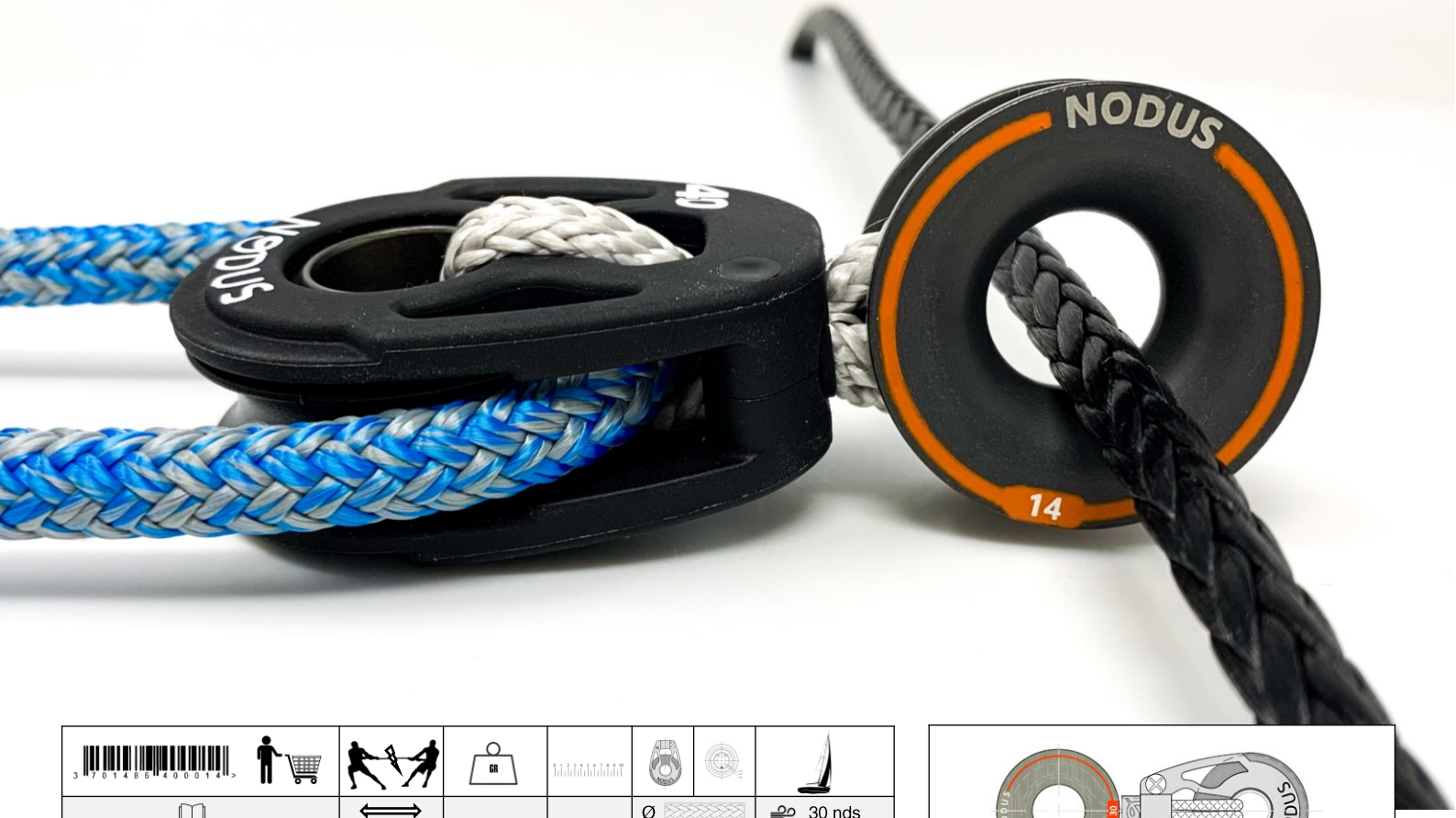
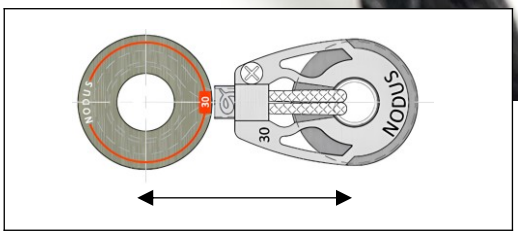
Pp Hi-Tech®- Traveler Pulley

« Lightweight, resistant traveller pulley »



					Ø		30 nds
		kN	gr	cm	mm		M2 < 180°/ 60°
20341	PP30	50	28	4,5	4/6	4/8	20/40
20361	PP40	70	54	6,5	6/8	6/10	28/56



TECHNICAL SHEET

Friction ring D ¬ Hardened anodized Duralumin ring ¬ anthracite grey

Hi-tech high-strength, ultra-light pulley
- ✓ Composite pulley body
- ✓ HD Polymer molded cheek panels
- ✓ I-Tech & PA 6.6 composite sheave

Dynamic ball bearing
- ✓ Double row of 316 stainless steel balls

Dyneema® textile loop connector
- ✓ SK78 12 fx, coated and pre-strechted

Block® ring, clamping and holding ring, made of flexible TPE thermoplastic.

USE

The **PP Hi-Tech pulley** with FRD low friction ring is the lightest violin block designed for pantor pulleys or jib tackers on textile tracks,

- ✓ Barber Hauler
- ✓ Returns ,
- ✓ 3D adjustment,
- ✓ Dinghy Pants...
- ✓ For Mainsail hoist on textile pantoire

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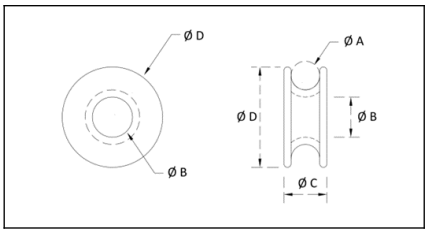
Candlestick Pulley - Low Friction Ring

"Pulley for candlestick with textile swivel and low-friction ring"

				mm				Ø mm	30 nds
chandelier pulley 25/28 mm		kN	gr	A	B	C	D		M2 < 180°/ 60°
20275	**PC FrC 14**	**1200**	**12**	**8**	**12**	**12**	**30**	**8/10**	**61/122**
20276	**PC FrD 14**	**1800**	**24**	**10**	**16**	**16**	**40**	**8/12**	**73/146**



TECHNICAL SHEET

Loop Dyneema® SK 78
DSK 78 12fx Pre-Stretched, coated ¬ Light Grey / Black
Block® Ring, Flexible Thermoplastic TPE Clamping and Holding Ring
Low-friction ring
Pa 11 Carbon Bio-based
Anodized aluminum FrD

USE

PC Fr - Low Friction Candlestick Pulley and Textile Fastening System.
The low-friction ring reduces friction on the reel end.

Its unique stanchion fixing system with its textile loop and friction ring allows automatic alignment.

Optimize your furlers and hardware with the Nodus Factory stanchion pulley for smooth and safe navigation.

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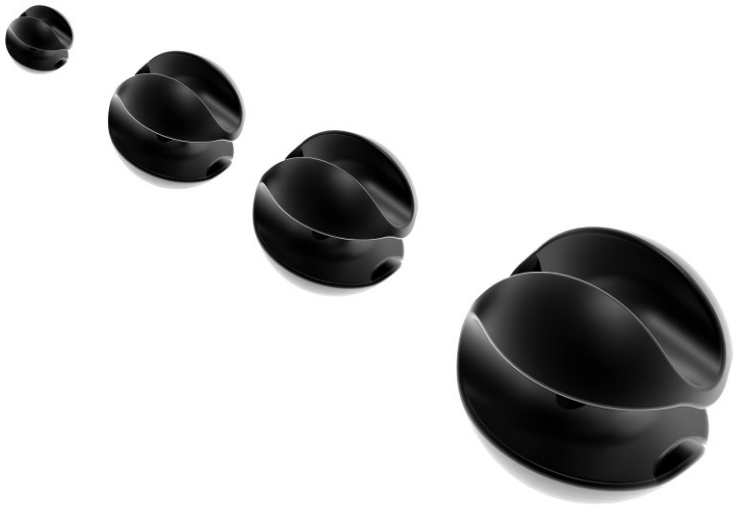
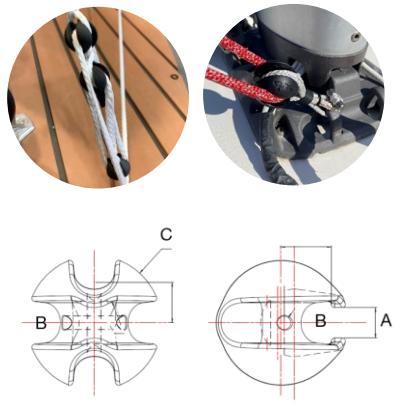
Ring-Nub® - Low Friction Ring

"Multi-purpose low-friction ring for heavy load"



				mm				Ø mm	30 nds
Dynamic Pa11 carbon		kN	gr	A	B	C			M2 < 180°/ 60°
20382	***Ring-Nub* 60c**	68	44	13,5	18	60		12/14	275/550
20381	***Ring-Nub*® 50c**	55	34	11,5	16	50		10/12	222/444
20122C	***Ring-Nub*® 40c**	47	26	9	12	40		8/10	190/380
20354	***Ring-Nub*® 30c**	9,5	4	7	8	30		4/6	38/76
20323	***Ring-Nub*® 25c**	8,5	3	5,4	7,2	25		3/4	26/52
20307	***Ring-Nub*® 20c**	6,5	2	4,5	7	20		3/4	26/52
20321	***Ring-Nub*® 15c**	3,5	1,5	2,3	5	15		2/3	15/30
Dynamic Inox 316l									
20322	***Ring-Nub*® 20 *Inox***	15	15	4,5	7	20		3/4	48/96
Static Polyacetal									
20122	***Ring-Nub*® 40p**	47	26	9	12	40		8/10	190/380



TECHNICAL SHEET

Ring-Nub®: Open-Type Low-Friction Ring
Bio-sourced technical polymer

Material:
PA11 filled with 30% carbon (Recycled)
Coefficient of friction: 0.15
Tensile strength: 170 MPa
Modulus of Elasticity: 8 GPa
Operating temperature: -40°C to +180°C
Chemical Resistance: Excellent
Excellent UV resistance

Austenitic stainless steel AISI 316L or 1.4404 EN
Density: 8.0 g/cm³
Coefficient of friction: 0.15 to 0.25
Tensile strength: 500 Mpa to 700 Mpa
Modulus of Elasticity: 200 GPa
Operating temperature: from -270°C to +850°C
Excellent UV resistance

USE

Friction pulley for heavy load in dynamic use

- ✓ 3D headsail adjustment
- ✓ Backstays and hoist
- ✓ Waterfall for Boom Bottom Hale
- ✓ Double-listening referrals
- ✓ Deck Flats & Hoist

… just about everything!

Combined with the Nub® Friction Ring with our textile
Connectors:
Shackle M or Ms
Loop or Lock®

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Pulleys & Opening Pulleys

Revolutionize your rigging with the I-Tech and Nub® Nodus Factory blocks

Pulleys and rings are essential parts of your rig, allowing you to transmit forces, orient ropes and create hoists. Nodus Factory offers you an innovative range of I-Tech ball blocks and Nub® low-friction rings, designed to optimize your performance at sea.

Why choose Nodus Factory textile fastening pulleys? Increased reliability

- **Versatility**
- **Lightweight and durable**
- **Ease of maintenance**
- **Perfect alignment**

The Nub®: The Ultimate Low-Friction Ring
Nub® guides provide exceptional glide, reducing friction and maximizing the life of your ropes. Their special shape allows for optimal load distribution and exceptional wear resistance.

Directions for use
For optimal use of your textile-fastened pulleys, make sure to:
- Attach the lashing or textile shackle to a trigger guard or chainplate with rounded edges to avoid premature wear.
- Choose the right pulley diameter for your rope to optimize performance.
- Regularly regulate the tension of your lashing to ensure a solid fixation.

The I-Tech ball blocks and Nub® Nodus Factory rings represent a major breakthrough in the field of fittings.
Pulleys have evolved in recent years towards a new method of fastening that is more efficient than the stainless-steel swivel shackle: lashing and Dyneema® textile shackle.

Advantages of textile-fastened pulleys:
Versatility of use thanks to its flexible fastening mode

1.In the event of a breakage of the sheave, the load is maintained by the lashing or the textile shackle.
2.Pulley shape and design require fewer parts
3.Lighter and stronger
4.No corrosion and no maintenance
5.Automatic load alignment

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Opening or low-friction "Hook Nub" pulleys!

Powerful, easy to use and lightweight, designed for heavy loads.

4.0 hardware as a control and live sheet feedback solution, which allows you to quickly switch to a "Hooké" rope in any situation: genoa sheeting, spinnaker sheeting,...
The ideal solution for your barbers and in-haulers or as a replacement flying pulley on your sailboat.

- They can be attached anywhere on the deck, and another advantage is that the Hook® Nodus Factory™ opening pulley can be opened with one hand.

1.The opening and closing of our low-friction "Hook®" carabiner-type opening pulleys prevents the rope from coming out, the action is carried out quickly and safely thanks to the Velcro® strap.

2.Made of POM or C Tech Polymer or hardened anodized aluminum, they are supplied with our Dyneema® textile connectors (TH-C Spliced Textile Shackle or TH-M Spliced Textile Shackle).

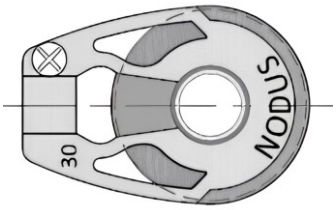
Nodus Factory Fittings & Tip

The Hook® Nodus Factory is a versatile product, an opening pulley to be hooked everywhere: tack, mast foot, barber etc.

Hi-Tech® Pulley – "Single or Double" Ball Pulley

"Resistant and ultra-light Hi-Tech® pulley"

					Ø	30 nds
Simple		kN	gr	cm	mm	M2 < 180°/ 60°
20364	P 20	4	2	4	4/6	16/32
20365	P 30	5	4	5	6/8	20/40
20366	P 40	7	7	5	8/10	28/56
Double						
20240	P 20.2	6	8	5	4/6	24/48
20241	P 30.2	7	14	5	6/8	28/56



TECHNICAL SHEET

Hi-tech® pulley, single and double high strength, ultra light
- ✓ Composite pulley body
- ✓ HD Polymer molded cheek panels
- ✓ HI-Tech® & PA 6.6 composite sheave
- ✓ Dynamic ball bearing
- ✓ Double row of 316 stainless steel balls

Dyneema® textile connector
- ✓ DSK78 12 FX, coated & Pre-Stretched
- ✓ T-close® connector ¬ Pa Tech fiberglass filled

USE

Hi-tech® pulley, allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.
Loads are conducted directly from the sheaves to the attachment point allowing for lightweight side plates.

- ➢ Fastening by shackle, loop or lashing in Dyneema®
- ✓ Returns, hoist, barber, waterfall, etc

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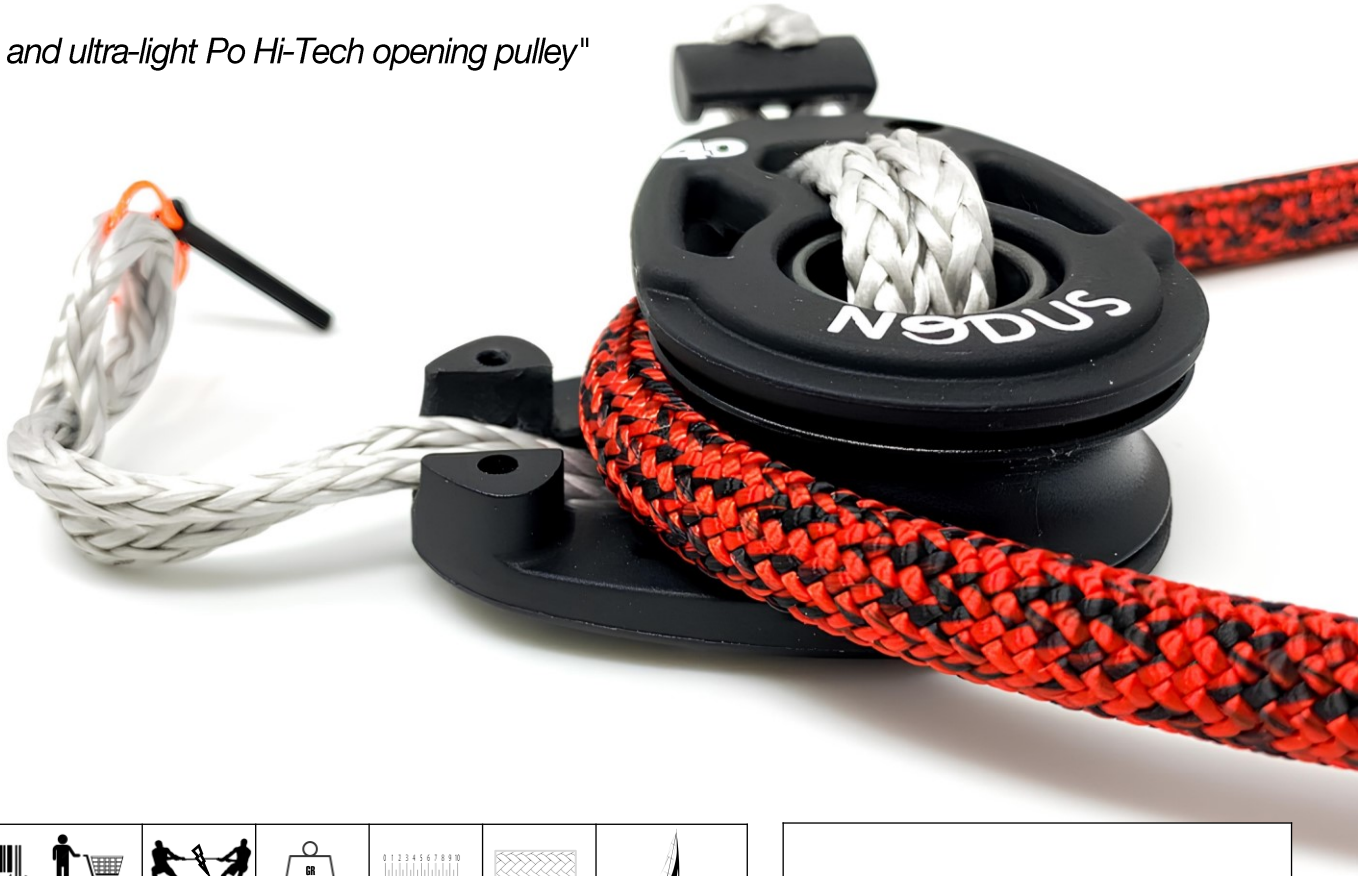
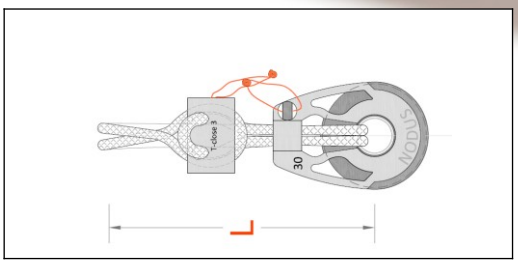
PO® Opening Pulley – Dyneema® Shackle

"Resistant and ultra-light Po Hi-Tech opening pulley"



					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°/ 60°
20367	Po 20	4	2	6	4	16/32
20368	Po 30	5	4	7	6	20/40
20369	Po 40	7	7	7	8	28/56



TECHNICAL SHEET

High strength, ultra-light Hi-tech Po® opening pulley
- ✓ Composite pulley body
- ✓ Molded HD Polymer Pivoting Cheeks
- ✓ Composite sheave PA 6.6
- ✓ Dynamic ball bearing
- ✓ Double row of 316 stainless steel balls

Dyneema® textile connector
- ✓ SK78 12 fx, coated and pre-strechted
- ✓ T-close® connector ¬ Pa Tech fiberglass filled

USE

Hi-Tech PO® Opening Pulley: The Ultimate Performance for Your Monitors
Lightweight, resistant and versatile, the PO® opening pulley revolutionizes the world of rope by its simplicity of use.

- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.

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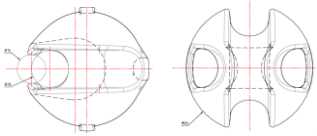
Hook-Nub® Pulley - Low Friction Pulley

« Multi-purpose low-friction pulley for heavy loads »

				mm			Hook	Reeving	30 nds
		kN	gr	A	B	C	Ø mm		M2 < 180°/ 60°
20454	*Hook-Nub® 60 c*	68	44	13,5	18	60	14	12	275/550
20460	*Hook-Nub® 50 c*	60	34	11,5	16	50	12	10	222/444
20463	*Hook-Nub® 40 c*	47	26	9	12	40	10	8	190/380



TECHNICAL SHEET

Hook-Nub® Pulley Open Type Low Friction Ring

- Bio-sourced technical polymer
  - ✓ Material: PA11 filled with 30% carbon (Recycled)
  - ✓ Coefficient of friction: 0.15
  - ✓ Tensile strength: 170 MPa
  - ✓ Modulus of Elasticity: 8 GPa
  - ✓ Operating temperature: -40°C to +180°C
  - ✓ Chemical Resistance: Excellent
  - ✓ Excellent UV resistance

USE

High load in dynamic use

- ✓3D headsail adjustment
- ✓Backstays and hoist
- ✓Waterfall for Boom Bottom Hale
- ✓Double-listening referrals
- ✓Deck Flats & Hoist

… just about everything!

Combined with the Nub® friction pulley with our textile connectors:

- ✓Shackle M or Ms
- ✓Loop or Lock®

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Textile Hook-Nub® - Opening pulley Hk-Nub®

"Hooker Opening Pulley – Dynamic Use"

						Hook	Reeving	40 nds
Manille / Shackle	*Reference*	*Hook-Nub 60c*	kN	gr	cm	Ø mm		M2
Ms12HL	**20178**	**20454**	**80**	**89**	**12**	**14**	**12**	**220**
M12HL	**20026**		**67**	**86**	**12**	**14**	**12**	**185**
		Hook-Nub 50c						
Ms10HL	**20038**	***20460***	**60**	**59**	**11**	**12**	**10**	**165**
M10HL	**20030**		**55**	**55**	**11**	**12**	**10**	**150**
		Hook-Nub 40c						
Ms8HL	**20037**	***20463***	**40**	**46**	**10**	**10**	**8**	**110**
M8HL	**20029**		**36**	**42**	**10**	**10**	**8**	**100**

Poulie de mouflage
Reeving shackle

TECHNICAL SHEET

Textile Hook-Nub® c: Hooker type opening pulley of the low friction open ring.
Body of the Hook® Hook-Nub Bio-based Polyamide **PA11 Carbon/Dynamic Wear**, High Friction Speed T°C Continuous Use T °C +140 /180

Dyneema® textile connector
SK78 12 fx, pre-stretched
Model S sheathed in Dynnema 48fx

T-Bone® connector ¬ Hardened anodized 7075 aluminium
Secure Velcro closure by winding on the textile connector and Block® ring
- ✓ Velcro Twist-lock® - unloosabie
- ✓ Block® Ring

USE

Hooker opening pulley, Hook-Nub® c: The ultimate performance for your sheets or hoist in 14- and 16-mm diameters.

A revolutionary and extremely lightweight innovation for adjusting your sails.
Use in Hook or use in hauling shackle

Strengths:
- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.

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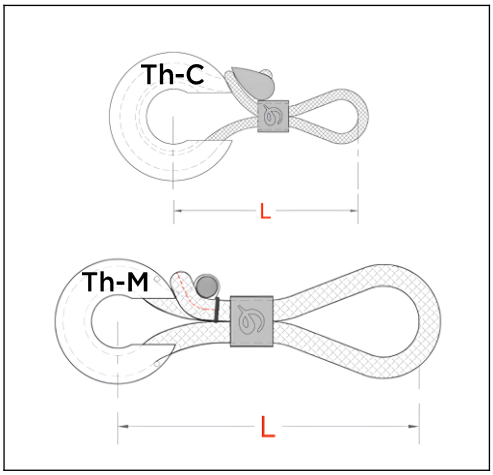
Textile-Hook® C&M – Friction Opening Pulley

"Hooker Open Friction Ring Type Pulley"

Textile Hook C		kN			gr	cm	Ø mm	25 nds	
Static								M2	
		180°	90°	60°				90°	60°
20118	TH-C 14s	8	11	16	12	5	6/10	66	97
20119	TH-C 20s	18	25	36	24	7	10/14	140	200
Dynamic									
20221	TH-C 16c	5	7	10	14	5	6/12	42	60
20222	TH-C 24c	14	20	28	32	7	10/16	120	160
Textile Hook M		kN			gr	cm	Ø mm	25 nds	
Static								M2	
20120	TH-M 14s	8	11	16	12	5	6/10	66	97
20121	TH-M 20s	18	25	36	24	7	10/14	140	200
Dynamic									
20337	TH-M 16c	5	7	10	14	5	6/12	42	60
20338	TH-M 24c	14	20	28	32	7	10/16	120	160



TECHNICAL SHEET

Textile-Hook: Low friction open, high strength ring
Body of the Hook® "Open Ring"

Hook s self-lubricating thermoplastic material
POM / use Static, low friction speed T°C continuous use T°C 100°

Hook c Bio-based polyamide
PA11 Carbon/Dynamic Wear, High Friction Speed T°C Continuous Use T °C +140 /180

Dyneema® textile connector
SK78 12 fx, pre-stretched
- ✓ T-close® connector ¬ Pa Tech fiberglass filled
- ✓ T-Bone® connector ¬ Rugged anodized 7075 aluminum

USE

The Friction Opening Pulley -Textile-Hook®
- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.

Designed to support two types of loads:
- ✓ Static Load – Open Ring Hook s
- ✓ Dynamic Load – Open Ring Hook c

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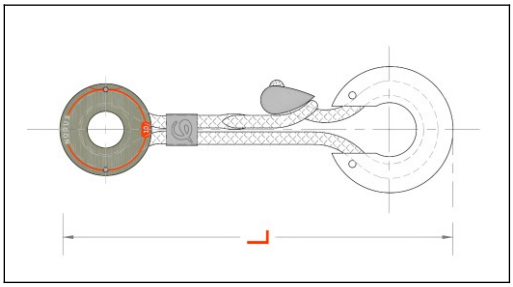
Violin Hook Th-c® – Violin opening pulley

« Hooker 2/1 violin opening pulley»

					Ø	30 nds
	Static Pom	kN	gr	cm	mm	M2 < 180°/ 60°
20325	**Hook-Violon 14s**	**8**	**20**	**10**	**6/10**	**32/64**
20326	**Hook-Violon 20s**	**20**	**40**	**13**	**10/14**	**80/160**
	Dynamic carbon					
20334	**Hook-Violon 14c**	**10**	**20**	**10**	**6/10**	**40/80**
20335	**Hook-Violon 20c**	**22**	**40**	**13**	**10/14**	**60/120**



TECHNICAL SHEET

Textile Hook Violin: Low Friction Open, High Strength Ring Body of the Hook® "Open Ring"

Hook s self-lubricating thermoplastic material
POM / use Static, low friction speed T°C continuous use T°C 100°
Hook C Bio-based polyamide
PA11 Carbon/Dynamic Wear, High Friction Speed T°C Continuous Use T °C +140 /180

Hardened anodized Duralumin **FrD ring**
Dyneema® textile connector
SK78 12 fx, pre-stretched
T-close® connector ¬ Pa Tech fiberglass filled

USE

Violin Opening Pulley, Textile-Hook® 2/1
- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.
- ✓

Designed to support two types of loads:
- ✓ Static charge – Hook-Violon s
- ✓ dynamic load – Hook-Violin c

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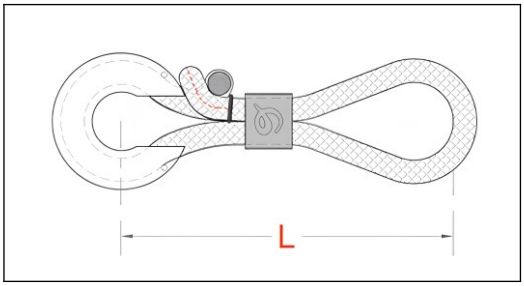
Textile-Hook® Hk – Friction Opening Pulley

"Hooker's Opening Friction Ring"

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°
20182	Hk 16s	60	120	8	16	245
20184	Hk 16	60	120	8	16	245
20185	Hk 22	85	270	10	22	345
20210	Hk 32	120	350	12	32	485



TECHNICAL SHEET

Opening pulley: Open low friction ring
Body of the Hook® "Open Ring"
HK Material: Hardened Anodized 7075 Aluminum
Anodized and hardened

M® high load sheathed shackle in Dyneema®
SK78 12 fx, coated and pre-strechted
48 fx sheath coated and pre-stretched ¬ Black

T-bone® connector, hardened anodized aluminum, textile connector opening and closing clasp

Twist-Lock® Accessory
Velcro Polypropylene & Velour PA

USE

The Textile-Hook® pulley provides precise control of live sheets, allowing for fine tuning and optimal responsiveness. Its unique design allows a rope to be quickly passed through in any situation, making maneuvering easier

- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the efforts and reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.
- ✓

Designed to withstand heavy loads:
- ✓ Permanent static charge
- ✓ Dynamic load for any rope

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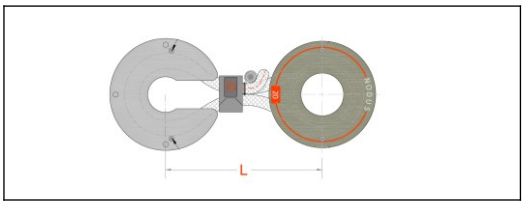
Hook-Violon Hk® – Violin Opening Pulley 2/1

"Hooker's 2/1 violin opening pulley"

					Ø	30 nds
		kN	gr	cm	mm	M2 < 180°
20339	Hk-violon 16	60	120	10	16	245



TECHNICAL SHEET

Hook violin opening pulley with low friction ring
Body of the Hook® "Open Ring"
HK Material: Hardened Anodized 7075 Aluminum
Anodized and hardened

Frd friction ring
HK Material: Hardened Anodized 7075 Aluminum

M® high load sheathed shackle in Dyneema®
SK78 12 fx, coated and pre-strechted
48 fx sheath coated and pre-stretched ¬ Black

T-Bone® connector, hardened anodized aluminum, textile connector opening and closing clasp Twist-Lock®
Accessory
Velcro Polypropylene & Velour PA

USE

The Hk® Hook-Violin pulley offers precise control of live sheets, allowing for fine tuning and optimal responsiveness. Its unique design allows a rope to be quickly passed through in any situation, making maneuvering easier

- ✓ Allows control and feedback of live listening
- ✓ Allows you to pass a rope quickly in any situation
- ✓ Allows you to multiply the forces 2:1 and to reorient a manoeuvre, a halyard or a sheet, move a load in a different direction.

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Padeyes & Fairleads

Unleash your creativity with our glue-on textile padeyes!

Revolutionize your deck plan with Nodus Factory textile padeyes

Forget the traditional stainless steel padeyes! Discover our innovative range of glue-on textile padeyes, the ideal solution to lighten your boat and customize your deck plan.

Why choose our textile padeyes?
Extreme lightness: Reduce the weight of your boat while maintaining optimal strength thanks to Dyneema®.
Easy and quick installation: Without drilling, simply stick your padeye to any flat surface.
Infinite customization: Create a unique deck plan tailored to your needs with our wide range of models and sizes.
Exceptional strength: Dyneema® guarantees unrivalled resistance to breakage and abrasion.
Versatility: From low-friction rings to built-in pulleys, our padeyes fit all your applications.

Our product range

- Pad-SX: The adjustable classic, perfect for a multitude of uses.
- Pad-Race: Designed for racers, it offers maximum resistance.
- Pad-Hook: Ideal for hanging your equipment.
- Pad-pulley: Incorporates a pulley for easy maneuvering.
- Pad-Line: To create custom lifelines.
- Pad-FrD: Specially designed for spinnaker braking systems.

Nodus-Loc® glue: the key to a successful installation

Our Nodus-Loc® two-component glue guarantees a strong and durable attachment of your padeyes. Easy to use, it does not require any special preparation.

The advantages of our solution

- Less weight: Gain in performance and sailing comfort.
- More freedom: Create a tailor-made deck plan.
- More durability: The materials used are resistant to marine aggressions.
- More aesthetics: A modern and clean look for your boat.

Discover all our solutions on our website

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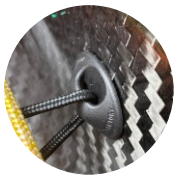

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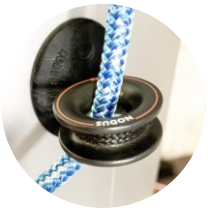

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When and how to use the Nodus-Loc?

"Padeyes, deck organizer and fairleads to glue“

The advantages of methacrylate structural glues

Methacrylate glues have the advantage of reduced surface preparation, sometimes simple dust removal where degreasing is sufficient. Methacrylate glues are very resistant to vibrations, shocks and weather conditions. Immersion bonding is possible.

- ✓Methacrylate glues do not need a primer on any substrate.
- ✓Rapid cross-linking to reduce the production cycle.
- ✓Bonding of heterogeneous materials
- ✓Very high resistance to shear, impact, peeling and fatigue
- ✓Good chemical resistance to hydrocarbons, acids and bases (pH 3 to 10) and salt solutions
- ✓The formulation is classified as neither toxic nor carcinogenic (absence of DNPT, Dimethylaniline and phthalates)
- ✓Ease of implementation

Comparing the bonding resistance of the Nodus-Loc®

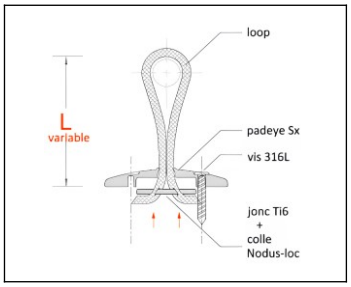
- Multi-purpose marine glue sealant 1.8 MPa
- Type Sikaflex® -291i i.e. 18.55 kg/cm2
- Methacrylate Structural glue 12 to 24 MPa
- Nodus-Loc® i.e. 122.36 Kg/cm2 to 244.73 Kg/cm2 (depending on the support)

For comparison with the Sikaflex® -291i glue Marine Sealant for multipurpose use, you will be 10 times less resistant than our Nodus-Loc glue.

Pad-SX® – Glue-on Padeye "Articulated Chainplate"

«Articulated chainplate adjustable or fixed textile length»

				mm				L		
	To assemble	kN	gr	A	B	C	D	cm	(X) kN * cos (45°)	
20132	Pad-SX 45	2.5	6	10	35	45	2.5	30	1,76	3,52
20197	Pad-SX 55c	3.5	8	15	40	55	3.5	30	2,47	4,94
	Ready to stick									
20216	Pad-SX 45	2.5	6	10	35	45	2.5	2,5	1,76	3,52
20223	Pad-SX 55c	3.5	8	15	40	55	3,5	2,5	2,47	4,94



USE

Pad-SX®: The revolutionary padeye that adapts to your needs!
✓ Secure and secure your gear in the blink of an eye with the

Pad-SX®, an articulated bond-on resin chainplate designed by Nodus Factory.

Discover its unique advantages:
Quick and easy installation: No more drilling and screwing! The Pad-SX® can be fixed in minutes with Nodus-Loc® Two-Component glue.
Versatility and adaptability: The "To assemble" model offers an adjustable length of textile trigger guard before gluing, while the "Ready to stick" model has a fixed length.
Increased safety: Its smooth, rounded surface poses no risk of injury.
Aesthetics: Its sleek and discreet design fits perfectly into the aesthetics of your boat.

More than just a padeye, the glue-on Pad-SX® is an innovative solution to optimize your deck plans and simplify your life on board!

TECHNICAL SHEET

Padeye Pad-SX® - Articulated chainplate & textile lashing
✓ SX 45 padeye in technical PA filled with fiberglass
✓ SX 55c Padeye in Bio-based Carbon PA11

T-Bone TI6 eco-titanium length 20mm & length 25mm
Dyneema® Textile 12 fx diameter 3 mm or 4 mm

Option:
316 L stainless steel screws: 2.9 mm / 18 mm (not included)
Nodus-Loc® Two-component glue (optional)

Assembly:
1- Prepare and clean the surface.
2- Mix and apply the two-component glue
3- Stick and hold the pressure for at least 5'
Wait 24 hours before use
Extremely resistant to impact, abrasion and UV.

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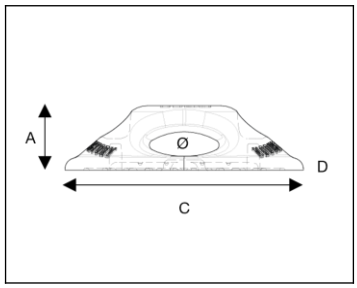
Pad-Race® – « Padeye » Chainplate to stick

				mm				Ø mm		
	Pa11 carbone	kN	gr	A	B	C	D		(X) kN * cos (45°)	
20166	Pad-Race 45c	2.5	6	10	35	45	2.5	3/4	1,76	
20169	Pad-Race 55c	3.5	8	15	40	55	3.5	4/5	2,47	
	Inox 316L									
20372	Pad-Race 55 inox	34	74	15	40	55	3.5	6/7		24



TECHNICAL SHEET

Pad-Race® - Articulated Padlock & Textile Lashing

Available in:
- ✓ Bio-sourced PA11 to glue Nodus Loc
- ✓ 316L stainless steel to screw and stick Nodus Loc

Textile connector:
- ✓ Loop strap in Dyneema® 48 pins, sewn splice
- ✓ Loop L3 in Dyneema® 12 pins, sewn splice

Calculation of the pull-out stress for a given angle:
According to the following formula:
Pull-out stress = Maximum breakout force * cos (angle)
Maximum breakout force:
Value according to the table above
Example of application:
Sheet has a maximum breakout force of 10 kN.
The force is applied at an angle of 45°.
The maximum pull-out stress is therefore:
Breakout stress = 10 kN * cos(45°) = 7.07 kN

USE

The Pad-Race® articulated chainplate is ideal for a wide range of uses on a sailboat, including:

Creating new mooring points:
Ideal solution for any type of fastening or hanging.
Stainless Steel Pad-Race:
Pulley, tack point, lifeline, harness backup anchor point, the Nodusfactory articulated chainplate is an essential element on board

Remarkable working and breaking loads at any angle of traction thanks to Dyneema textile.

Mounting Accessory: "Option"
Nodus Loc Glue
Pad-R Screws 16 Ø M6

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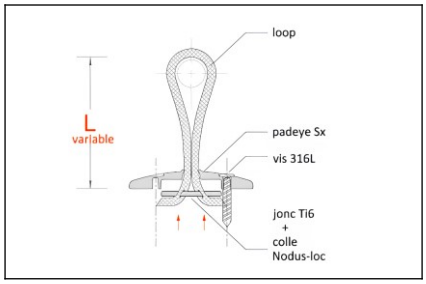
Pad-SX® Round – Glue-on Textile Padeye

"Articulated Chainplate"

					mm				L	(X) kN * cos (45°)	
	To assemble		kN	gr	A	B	C	D	cm		
	Rond		180°								
20320R	Pad-SX 30	White	2	4	7	Ø 30		2,5	30	1,41	2,82
20319R	Pad-SX 30	Black	2	4	7	Ø 30		2,5	30	1,41	2,82
20223R	Pad-SX 55	Black		12	8	Ø 55		4,5	55		



USE

Pad-SX®: The revolutionary round padeye that adapts to your needs!

Secure and secure your equipment in the blink of an eye with the Pad-SX®, a round hinged resin chainplate designed by Nodus Factory.

Discover its unique advantages:
Quick and easy installation: No more drilling and screwing! The Pad-SX® can be fixed in minutes with Nodus-Loc® Two-Component glue.
Versatility and adaptability: The "To assemble" model offers an adjustable length of textile saddle before gluing.
Increased safety: Its smooth, rounded surface poses no risk of injury.
Aesthetics: Its sleek and discreet design fits perfectly into the aesthetics of your boat.

More than just a padeye, the Pad-SX® round to glue is an innovative solution to optimize your deck plans and simplify your life on board!

TECHNICAL SHEET

Padeye SX® - Round articulated chainplate & textile lashing
SX 30 White Padeye in technical PA filled with fiberglass
SX 30 Black Padeye in Bio-based Carbon PA11
T-Bone TI6 eco-titanium length 20mm
Dyneema® Textile 12 fx diameter 3 mm

Option:
316 L stainless steel screws: 2.9 mm / 18 mm (not included)
Nodus-Loc® Two-component glue (optional)

Assembly:
1- Prepare and clean the surface.
2- Mix and apply the two-component glue
3- Stick and hold the pressure for at least 5'

Wait 24 hours before use
Extremely resistant to impact, abrasion and UV.

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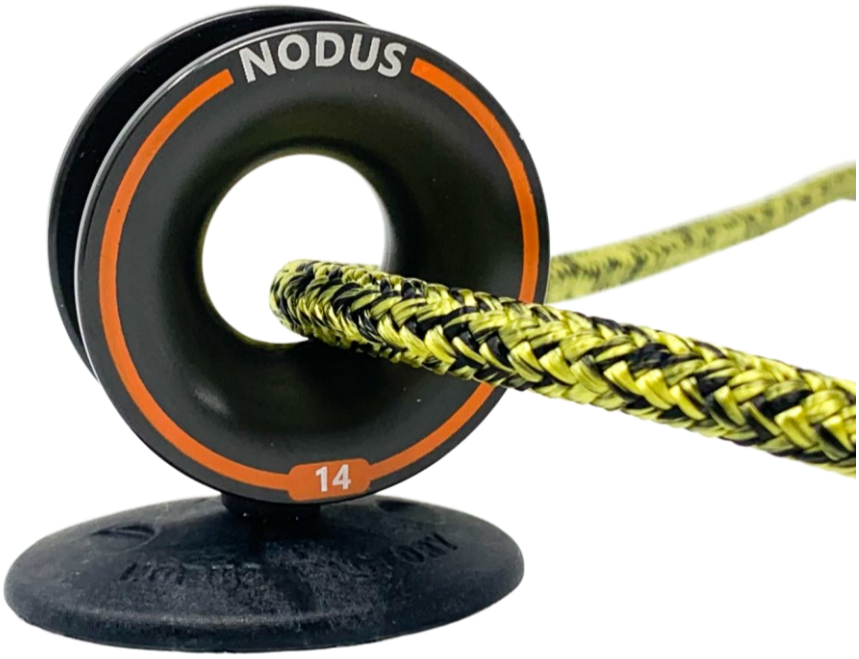
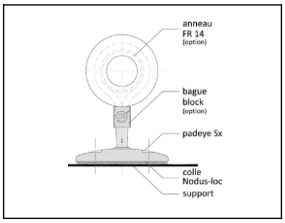
Pad-Filoir®D – Fairlead friction ring

«SX Stick-On Self-Aligning fairlead»



				mm				Ø mm		
		kN	gr	A	B	C	D		(X) Kn * cos (45°)	
20282	**Pad-FrD 10**	**2,5**	**8**	**7**	**12**	**12**	**30**	**4/8**	**1,76**	**3,52**
20283	**Pad-FrD 14**	**2,5**	**16**	**10**	**16**	**16**	**40**	**6/10**	**1,76**	**3,52**



USE

Pad-Filoir FrD® - Articulated chainplate with low friction ring

The Pad-SX® Padeye fairlead with FrD Friction Ring is a compact and versatile pulley system designed for use in a variety of applications.

It is particularly useful for situations where it is necessary to deflect a rope or change the direction of the pull.

FrD® low-friction fairleads have a non-adherent surface finish due to their design and the material used, the friction is dynamic without energy loss.

The contact patch and automatic alignment creates a low friction angle that limits grip at the beginning of the maneuver and improves gliding performance.

TECHNICAL SHEET

- ✓ **Pad-Filoir FrD,** "articulated padlock to glue and or screw"
- ✓ SX® padeye in technical PA filled with fiberglass
- ✓ Length 45 mm & Width 35 mm
- ✓ Dyneema® Textile Strap SK78 48 fx ensimated light grey
- ✓ T-Bone TI6 eco-titanium
- ✓ Aluminium fairlead for sheet guide and hose reel from Max 4 to 10 mm
- ✓ Hardened anodized duralumin FrD® friction ring

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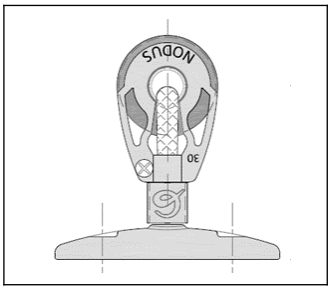
Pad-Pulley® - HI-Tech Pulley fairlead

"SX Stick-On Self-Aligning fairlead"

					mm				Ø		
		kN		gr	A	B	C	D	mm	(X) kN * cos (45°)	
		180°									
20134	Pad-P 20	2.5	5	15	10	35	45	2.5	4	1,76	3,52
20135	Pad-P 30	2,5	5	18	10	35	45	2.5	6	1,76	3,52
20260	Pad-P 40	3.5	7	24	15	40	55	3.5	8	2,47	4,94



USE

HI-Tech® Pulley Pad: The revolutionary ball fairlead for optimal efficiency

The HI-Tech® Pulley Pad is an innovative sheet fairlead with a self-aligning ball pulley.
No more worrying about twisting and friction!
The textile axis automatically orients the alignment of your sheet for minimum friction and maximum performance.

Versatile and easy to install, the HI-Tech® Pulley Pad is ideal for a wide range of applications:
- ✓ Listen
- ✓ Halyards
- ✓ References
- ✓ Deck plan improvement
- ✓ And much more!

Automatic alignment creates a low friction angle that limits grip at the beginning of the maneuver and improves gliding performance.

TECHNICAL SHEET

Pad-Pulley® HI-Tech® Pulley fairlead for Sheet Guide and Reel Clamp from Max 4 to 10 mm
- ✓ Composite pulley body
- ✓ Stainless steel ball bearing
- ✓ Composite sheave PA 6.6

"Glue-on support" base
SX® padeye in technical PA filled with fiberglass
- ✓ Dyneema® SK78 48x Textile Light Grey
- ✓ T-Bone TI6 eco-titanium

Option:
316 L stainless steel screws: 2.9 mm / 18 mm (not included)
Nodus-Loc® Two-component glue (optional)

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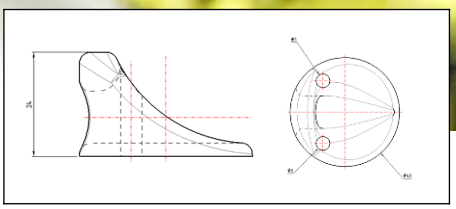
Pad-Filoir® - « Fairlead » for rope & halyard

«Mast and Deck fairlead to glue»

				mm				
		kN	gr	A	B	C	D	(X) kN * cos (45°)
20188	Pad-Filoir	2,5	11,4	40	24	6	10	1,76



USE

Pad-Filoir®: Halyard and Boat Rope Guide
Simple, robust, efficient: The Pad-fairlead® guides your halyards and ropes for easy navigation. Perfect for furling headsail or spinnaker halyard.

Essential for the installation of a headsail furler or spinnaker halyard, the studied shape of the fairlead allows a lateral deflection of + 30° (left or right).

Characteristics:
Easy assembly: gluing or screwing (screws not included).
Optimal guidance: lateral deflection up to 30° (left/right).
Resistant: Pa11 carbon against wear, weather and UV.
Adaptable: Ø halyard/rope max 12 mm.

Uses:
- ✓ Mast
- ✓ Boom
- ✓ Spinnaker halyard
- ✓ Wiretapping
- ✓ Reel hose
- ✓ References
- ✓ Deck Plan

TECHNICAL SHEET

Pad-fairlead Sticking fairlead in PA 11 Carbon for halyard, sheet and hose reel guide Max 10/12 mm

Baseplate to be glued and screwed:
- ✓ Diameter 40
- ✓ Height 24 mm
- ✓ Thickness 6 mm
- ✓ Weight: 11.4 grams

Assembly:
1- Prepare and clean the surface.
2- Mix and apply the two-component glue
3- Stick and hold the pressure for mini 5'
Wait 24 hours before use

Fixing by gluing or screws (screws not included):
2 holes Ø 5 mm

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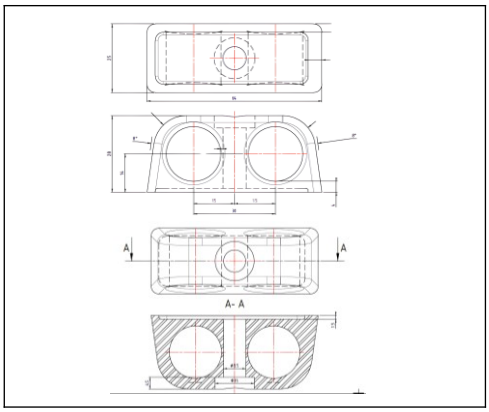
fairlead® - Low Friction Deck organizer

«Glue-and-screw deck fairlead»

			gr		mm				Ø mm
AW	C-Tech	Ø 14	AW	C-Tech	A	B	C	D	14
20265	20310	F 1	24	12	14	22	20	40	1 x 12
20266	20311	F 2	26	13				50	2 x 12
20267	20312	F 3	36	18				72	3 x 12
20268	20313	F 4	58	29				94	4 x 12
20269	20314	F 5	70	35				116	5 x 12
20270	20315	F 6	76	38				138	6 x 12
AW	C-Tech	Ø 20	AW	C-Tech	A	B	C	D	20
	20271	F 1			20	28	25		1 x 16
	20272	F 2	48	24					2 x 16
	20355	F 3							3 x 16



USE

Deck fairlead: robust and versatile solution
Intended for the deflection of various ropes (hose reels, furlers' hoses), this fairlead sticks and screws itself.

Deck fairlead: Organize and arrange your deck plan in the blink of an eye!

Two ultra-resistant materials:
- ✓ PA11 Carbon Filled 30%
- ✓ Aluminum AW-7075 T6 EN 573

Quick and easy installation:
- ✓ screw or stick
- ✓ Suitable for all types of ropes from Ø 8mm to Ø 20mm
- ✓ Smooth finish with no protruding edges for optimal safety
- ✓ Sleek and modern design

TECHNICAL SHEET

Glue-on or screw-on **deck fairlead**:
Available in two matérial
- ✓ Polyamide PA11 carbon filled 30%
- ✓ Aluminum AW-7075 T6 EN 573

Base:
- ✓ Drilling diameters 14 mm and 20 mm
- ✓ Height 22 mm and 28 mm
- ✓ Width of the base 20 mm and 25 mm
- ✓ Weight according to dimensions

Fasteners:
ISO 7380 Flat Hex Socket Head Screws - M6 and M8
Two-component Nodus-Loc® bonding

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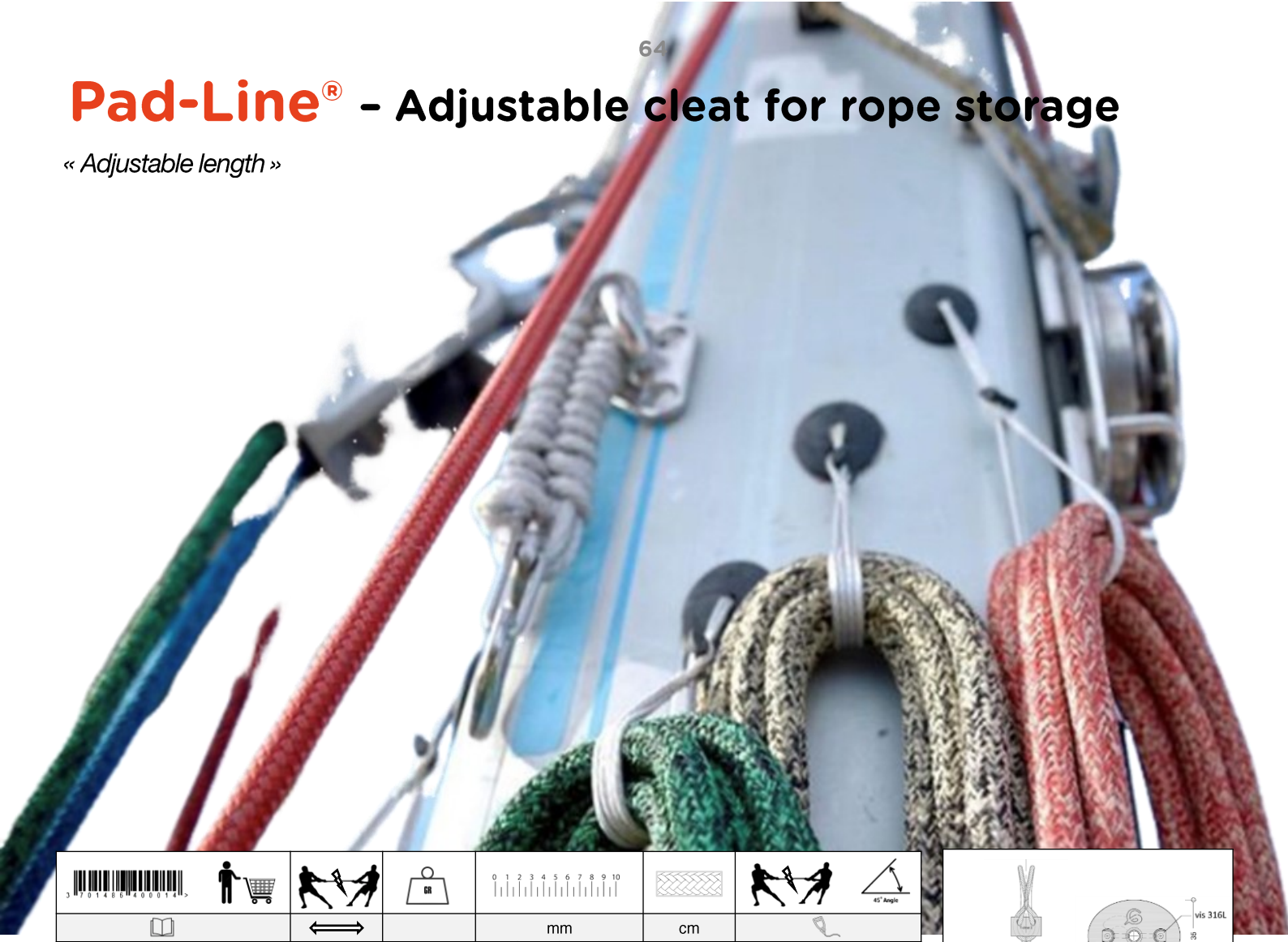
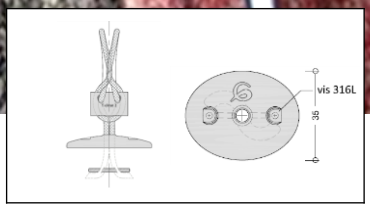
Pad-Line® – Adjustable cleat for rope storage

« Adjustable length »



				mm				cm	
		kN	gr	A	B	C	D		(X) kN * cos (45°)
20136	**Pad-line**	**2**	**15**	**3**	**35**	**45**	**6**	**30**	**1,76**



TECHNICAL SHEET

Padeye Pad-Line® - Cleat & textile lashing
- ✓ SX 45 padeye in technical PA filled with fiberglass
- ✓ T-Bone TI6 eco-titanium
- ✓ T-close connector in technical PA
- ✓ Dyneema® Textile 12 fx diameter 3 mm
- ✓ 316 L stainless steel screws: 2.9 mm / 18 mm (not included)
- ✓ Nodus-Loc® Two-component glue (optional)

USE

Pad-Line® is an innovative textile cleat with adjustable strand length that **revolutionizes the storage of your ropes**.

No more tangled ropes! Pad-Line® keeps them neatly curled up and always ready for use.

Simple and quick to install, Pad-Line® is easily attached to any surface, without drilling, thanks to its powerful two-component glue or following the support with screws.

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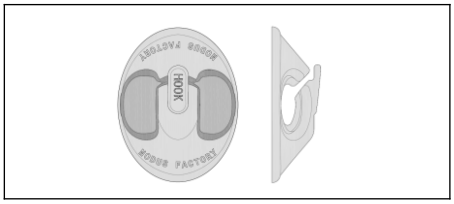
Pad-Hook® - Padeye Rope Organizers

« glue accessory for organising halyards and sheets»

*Garcette textile

		kN	gr	mm A	mm B	mm C	mm D	(X) kN * cos (45°)
20305	Pad-Hook	2,5	5	3	35	45	8	1,76



TECHNICAL SHEET

Ready-to-use glue-on padeye in PA 11
- ✓ Length 45 mm & Width 35 mm
- ✓ Textile raillet (*optional)

General Properties:
- ✓ Origin: Bio-sourced (castor oil)
- ✓ Density: 1.04 g/cm³
- ✓ Operating temperature: -40°C to +130°C
- ✓ Melting Point: 220°C
- ✓ Water Resistance: Good
- ✓ Chemical Resistance: Good
- ✓ Mechanical Strength: Good
- ✓ Stiffness: High
- ✓ Toughness: Good
- ✓ Flammability: Low

USE

Pad-Hook®: an ingenious glue-on textile cleat, for practical on-board storage that revolutionizes the storage of your ropes and ropes.

Ideal for hanging halyards in the cockpit at the exit of the blocker!

No more tangled ropes!
- ✓ The Pad-Hook® allows you to keep them neatly curled up and always ready to use.
- ✓ Easy to install without drilling, it is ideal for boating, camping, DIY, and gardening.

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Accessories – Comfort & Safety

Nodusfactory: Safety at sea, top priority

Quality products, rigorously tested and approved, for rock-solid reliability. Nodusfactory is committed to providing you with high-performance and durable safety equipment that meets the strictest standards in force.

Comfort on board and at anchor!

- ✓Multi-function strap
- ✓Bungee cord tensioner
- ✓Memory foam cockpit cushion

Our Partner Products:

- Pob-Net®
- Outils-Oceans®
- Buoy Hook®
- Ewincher®

Nodusfactory, your expert in safety equipment for sailing, accompanies you in all your marine adventures by offering you a complete range of high-end and innovative products, designed to guarantee your safety and that of your loved ones at sea.

Nodusfactory provides you with all the essential equipment to sail with complete peace of mind, whatever your level of experience or your sailing area.

Easy to use and intuitive, our products allow you to react quickly and efficiently in the event of an emergency. Nodusfactory focuses on simplicity of use, so you can enjoy your browsing to the fullest without worrying about your safety.

With Nodusfactory, browse with peace of mind!

Discover our wide range of safety products today and equip yourself for unforgettable sailing adventures in complete safety.

Visit our website to discover all our products and services

67

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More than a brand

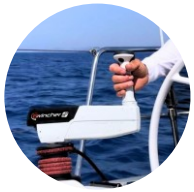
Partner products

Pob-Net®

Outils Océans®

Buoy Hook®

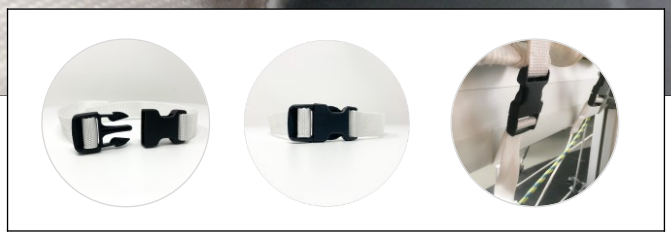
Ewincher®



Multi-purpose strap® - Polyester HT

« *Adjustable multi-purpose strap*»

				mm	
		kN	gr	l	L
20362	*Sangle 55*	1,35	22	25	550
20363	*Sangle 65*	1,35	24	25	650



TECHNICAL SHEET

Adjustable strap
- ✓ Color: white
- ✓ Polyester HT UV resistant
- ✓ Clip-on PA 6.6 buckle

Recommended Load Capacity
Max 135 kg

- ➢ Completely weatherproof

USE

Multi-purpose strap for attachment by clip closure system.

- ✓ Closing the mainsail and headsails
- ✓ Stacking cloth
- ✓ Awning and soft top
- ✓ Jerican

- ➢ Only for attaching light loads

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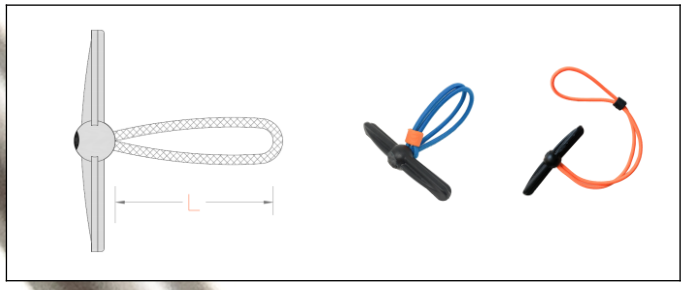
T-Sandow®- Sandow-elastic tensioner

« Tensioner with ferlette »

				Elasticity	
		kN	gr	%	cm
30006	T-sandow 8	0,4		70	8
30007	T-sandow 13	0,4			13
30008	T-sandow 20	0,4			20
AR00941	Connecteur T	7,5			



TECHNICAL SHEET

T-Sandow® elastic tensioner
- ✓ Multiple lengths L 8 / 13 / 20 cm
- ✓ Elongation Length: 70%
- ✓ Recommended operating capacity with max. load 40 kg
- ✓ Completely weatherproof
- ✓ Fiber Fiber Technique PA T-Ferlette

USE

Secure your marine gear with the **T-Sandow®** bungee cord Forget about the worries of fastening and enjoy a serene navigation with the T-Sandow® elastic tensioner!

Closing the mainsail and headsails
- ✓ Stacking cloth
- ✓ Sail bags and spinnaker
- ✓ Awning and soft top
- ✓ Use for multi-purpose fasteners
- ✓ Fishing rod
- ✓ Paddle
- ✓ Gaffe on boom

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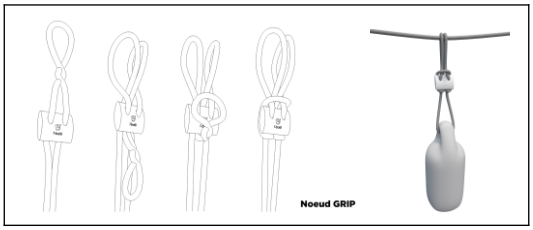
T-Bat®- Adjustable fender cleat for boats

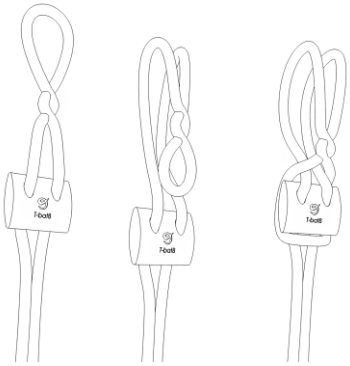
« Clam cleat" textile blocker for fenders »

				Lifeline Low	Lifeline **High**
		kN	gr	cm	cm
20163	T-Bat 8	11	83	35/75	45/90
20164	T-Bat 10	16	128	45/85	50/100



TECHNICAL SHEET

T-Bat® connector ¬ Movable locking piece,
- ✓ Pa Tech glass filled
- ✓ 100% HD polyester rope
- ✓ PES pre-coated ¬ Grey
- ✓ Structural, glued and crimped HDPE termination



Noeud Cap

USE

E T-bat ¬ Adjustable Rope ¬ For Fenders and Boat Fender
Can be freely attached to dies, balconies and handrails
Helps avoid knots

Assembly:
1. Passing the estrope around the supply chain
2. Place the textile loop on the T-bat connector according to the choice of "Cap® or Grip®" node
3. Adjusting the height by sliding the connector, letting go of the link, it's blocked.

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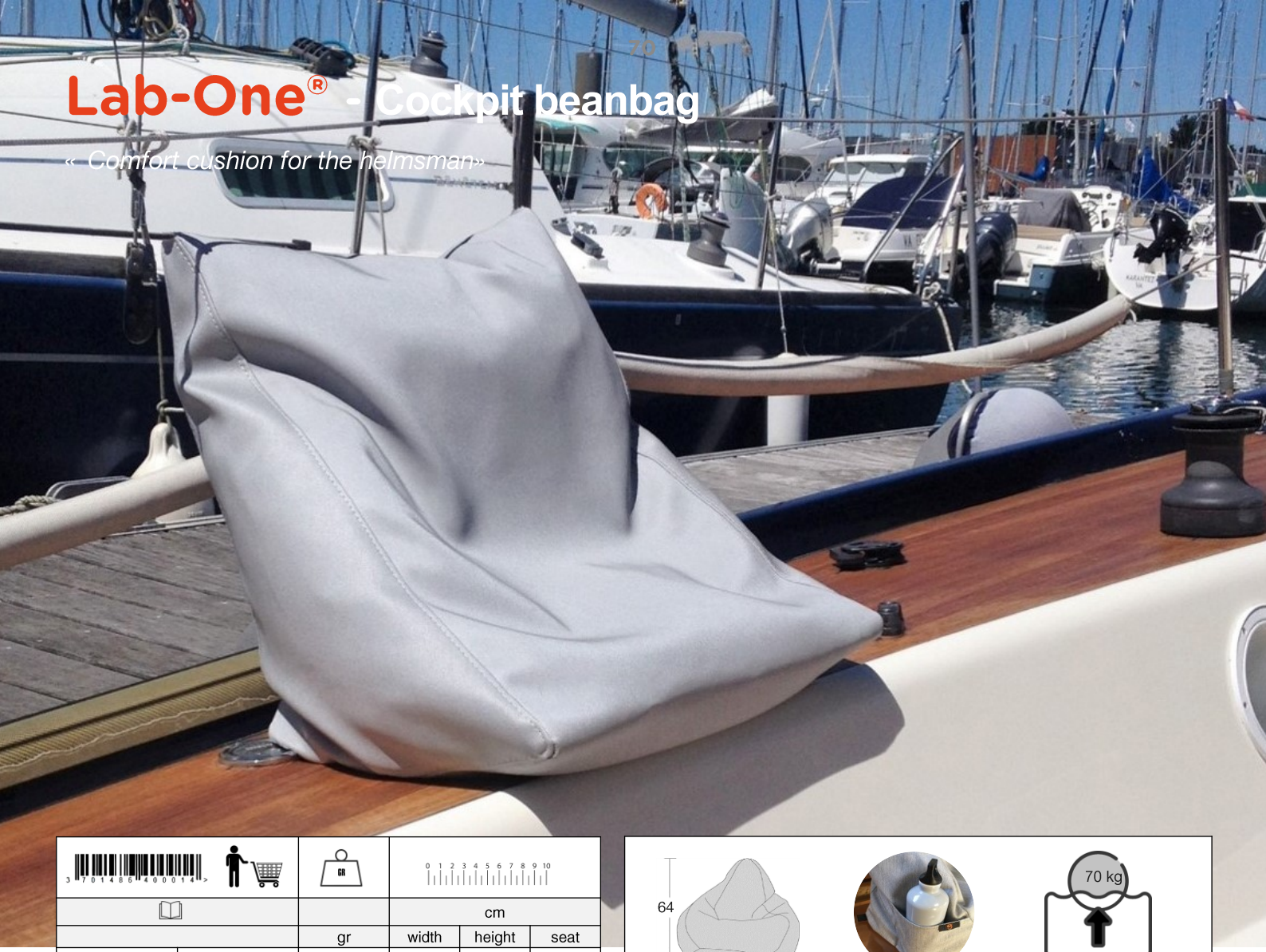
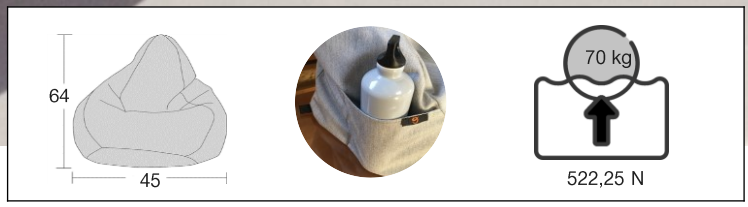
Lab-One® - Cockpit beanbag

« Comfort cushion for the helmsman»



			cm		
		gr	width	height	seat
20351	Lab-One Blue	1350	50	64	45
20352	Lab-One Grey				



USE

Lab-One® the helmsman's cushion has "EPS" technology.
Operation:
Expanded polystyrene beads are trapped in a textile envelope. Under the weight of the user, the balls compress and move to fit the shape of the body.
This creates a comfortable and ergonomic support.

Benefits:
Comfort: The beads conform perfectly to the shape of the body, which provides optimal comfort.
Ergonomics: The weight distribution is homogeneous, which helps prevent muscle and joint pain.
Durability: Expanded polystyrene beads are strong and do not warp over time.
Lightweight: The balls are very light, which makes the products easy to carry.
Ease of Care: Most expanded polystyrene bead products are machine washable.
Free attachment to the die:
✓ Nodus Factory™ carabiner or textile shackle
✓ T-Sandow® elastic tensioner

TECHNICAL SHEET

Ball Comfort Cushion for helsmanand Crew
It revolutionizes comfort at the helm, an anatomical, non-conformist "armchair" that offers a new way of sitting or leaning back!

✓ Sombrella™ treated acrylic fabric seat surface and backsplash
✓ Under cover with polystyrene bead-filled closure
✓ Pa6 zipper pull
✓ Safety and buoyancy guaranteed by polystyrene beads
✓ Side pocket with two compartments
✓ Lab One® model registered by Nodus Factory™

NODUS FACTORY
MADE IN FRANCE
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Scan me !

Ropes and Mooring Lines

"To be discovered on the website“

Nodus Factory and Gleistein: Partners for high-level sailing.

Lightweight, resistant and durable halyard and sheet ropes

- Easy and precise handling
- Increased safety at sea
- Optimal performance in all conditions

By choosing products from Nodus Factory and Gleistein, boaters can ensure an exceptional sailing experience, with confidence and peace of mind.

Ropes for mixed mooring line will bring you safety, durability and good shock absorption.

The quality of the materials used, polyester sheath and polyamide core, guarantees great resistance to abrasion while cushioning the movements of the boat thanks to the properties of polyamide.
Polyamide core and 32-pin polyester sheath, very good UV and abrasion resistance.

Characteristics

- ✓Very good flexibility
- ✓ Pleasant handling
- ✓UV resistant
- ✓Excellent elasticity <25%
- ✓Comfort on the pontoon and at the quayside, a smooth mooring
- ✓Easy to splice

If the rope for the sheets and halyards must be as rigid as possible to withstand a lot of friction, the rope for the mooring lines must offer maximum flexibility to absorb blows.

Each rope has a specific use, and it is important to check its characteristics to use it properly.

To do this, we offer you a comparison table!

Gleistein
More than Ropes.

BIO BASED Gleistein

RE CYCLED Gleistein

BIO-BASED DYNEEMA® FIBER AT HEART

WITH Dyneema®

POLYESTER

CE
EN iso 2307

More than a brand

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Indication of use and repairability!

Nodus Factory Repairability: Durability Built to Last
Nodus Factory is committed to extending the life of its products and reducing its environmental impact. That's why we have implemented a repairability classification system, based on the nature of the components and the intensity of use.

Why is repairability important?

Sustainability: By repairing rather than replacing, you help reduce waste and conserve resources.

- Economy: Repair is often more economical than buying a new product.
- Autonomy: By mastering the basics of repair, you gain autonomy and can extend the life of your equipment.

Nodus Factory usage criteria

Our classification system is based on three criteria:
Usage: Fluent, Intensive or Technical
Components: Some components are specific to Nodus Factory and require special expertise to repair, while others are more easily replaceable by the user.

The repairability index: There are three categories of repairability:

- Category 1: Repair at Nodus Factory Mainly concerns products using Dyneema® fiber and requiring specific equipment for repair. We invite you to return the products to us for professional repair.
- Category 2: Partial User Repair Some components, such as sheaths or block bushings, can be replaced by the user. We offer the sale of these components online to facilitate repairs.
- Category 3: Complete User Repair All components of the product can be replaced by the user. Spare parts are available for sale online.

Special cases

Dyneema® Loop Textile Connectors: These connectors are not repairable due to their specific design.
Dyneema® T-Close and M textile shackles: These shackles are usually serviceable by Nodus Factory (except in case of heavy use).
Dyneema® textile loops and locks® in combination with other accessories: These assemblies usually fall into category 3 and can be repaired by the user.

To summerize

Nodus Factory supports you over the long term by offering you durable and repairable products. With our classification system and the availability of spare parts, you can extend the life of your equipment and reduce your environmental impact.

For more information, please visit our website or contact our customer service.

Nodusfactory™ *More than a Brand*

www.nodusfactory.com

NODUS FACTORY

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