



SoluzioniTessili
RIGGING



MEGAYACHT

ABOUT US

From an initial loads analysis, all the way through to after sales service operations, we specialize in all stages of a running rigging project, whether it is for a performance cruiser, luxury yacht or grand-prix racer.

We believe that the key factors to a project's success lie in its initial stages, which is why we work alongside her owner, captain, designer, mast sail maker as a team and getting involved in the decision making to make sure all technical aspects of the separate areas are well blended together.

This means you'll only get ropes which are tailor made to meet your and your yacht's specific needs.



Continuous technical research, superior craftsmanship and seamless efficiency are an inherent part of our work process. State of the art solutions and swift delivery are the results.

By working with Soluzioni Tessili Rigging, you can rest assured that you'll get products you can trust and the peace of mind of having a specialized team of expert technicians and craftsmen that have your back in every phase of your projects.

PARTNERS

ARMARE

We're proud of our long-standing partnership with Armare, a family business which has been at the forefront of rope-design since 1992.



Their 4,000 m2 loft, located in San Giorgio di Nogaro, Italy, is where Armare's accomplished team of rope experts twist, strand, braid, splice, test and hand-finish ropes to the highest standard of quality. A thorough understanding of the grand-prix racing market, two decades of design evolution and the continuous investment in top-talent have put Armare on the international map. What's more, the company offers custom-finished ropes by means of unique processes which set the industry benchmark.

HARKEN

Soluzioni Tessili is a Harken Authorized Service provider. Harken can pride itself on being the leading manufacturer of sailboat hardware and accessories worldwide.

Their blocks, travelers, winches and hydraulics are used at the globe's most prestigious racing events (such as the America's Cup, the Volvo Ocean Race and the Olympics) and onboard everything from the smallest dinghies to the largest mega yachts.

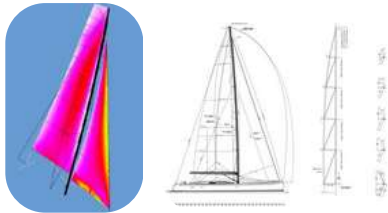


Brands we distribute and work with:

Close collaboration with different industry leading brands allows us to work alongside the top designers and engineers, cover a vast array of different boats and systems, as well as to guarantee the highest standards of quality.



WORK PROCESS



A project starts with the analysis of all parts that rely on a yacht's running rigging. We collect in depth data from sail makers, mast makers and shipyards, to name but a few, and combine these findings with our experience and technical know how. This synergistic phase doesn't only put us a cut above the competition but ensures you get top performing ropes, and in accordance with their exact need and function.

PRODUCTION

Production starts once a rope's ideal length, core, cover, color and finish have been determined. Our long standing partnership with Armare Ropes means that we work with top level fibres and customized product lines. By adding superior craftsmanship and meticulous attention to detail to the mix we ensure a delivery of ropes that perform as they where designed to, and are great looking to boot.



DELIVERY ON BOARD

The mounting and tuning of our products is a highly delicate operation which is why we remain involved after delivery. Our experienced team members and/or network of professional rigging partners will be on site to ensure a flawless installation which, in turn, will result in an unsurpassable performance level.

FOLLOW-UP

We believe safety to be of paramount importance. Over the years we have developed a database (incorporating factors such as time, weather conditions and yacht use) which helps us pinpoint when a product's performance may start to decline. Moreover, though NFC Microchip technology we can offer clients real time information and are able to trace each product individually. Quality after sales service has never been more long lasting.



The main challenge one faces when approaching a new project, is the amount of different variables that come into play, such as:

- The deck arrangements and hardware
- Sails and materials
- Style of navigation (Race, cruise, offshore...)
- Mast material, manufacturer and hardware
- Owner's desires vs. technical possibilities
- Budget

It is not always easy to determine the best compromise between these variables, but thanks to our more than 10 years of experience, technical knowledge and close collaborations with the leading companies in the industry we are able to gather all the necessary information to develop the best solution for each particular scenario

Designer/yard's specs				Mast Maker's specs								Sail Maker's Specs			
Principal Dimension	Note	Units		Rigging Load	Qty	Normal Wl (kg)	Extrem Wl (kg)	Minimun Wl (kg)	Rod Size Equivalent	Minimun EA (MN)	Length (m)	Sail	Note	Unit	Sail Area
Mast Height		(m)	35,000	V 1	2	12402	16340	32681	-76	44,3	9,633	Main	full	[m ²]	208
Rake		(dag)	5,5	V 2	2	9603	12312	24625	-60	39,1	7,748		1 st Reef	[m ²]	171
Mast-Halyards winch		(m)	3,000	V 3	2	7376	9445	18890	-48	28,4	8,284		2 nd Reef	[m ²]	132
P		(m)	32,800	D 1	2	5648	6861	14119	-40	22,1	9,751		3 rd Reef	[m ²]	75
E		(m)	10,250	D 2	2	7271	4341	10677	-30	16,8	7,984	Jib		[m ²]	183
I		(m)	33,200	D 3	2	2846	3014	7116	-22	12,1	8,294	Jib 80%		[m ²]	143
J		(m)	9,850	D 4	2	7447	9531	19062	-48	28,4	7,886	Stay sail		[m ²]	73
I Stay Sail		(m)		Headstay	1	10000		25000	-60	39,1	34,893	Code 0		[m ²]	275
I Stay Sail		(m)		StaySail	1	6200		22320	-49	20,1	25,889	Gennaker		[m ²]	500
BAS		(m)	2,445	Top Mast Beackstay	1	5738		14345	-40	22,1	25,531	Line Wear			
Chainplate% windht		(m)	2,898	Backstay Bridles	2	3012		7531	-22	12,1	13,404	WINCH Friction Factor	Depends on winch grip		
Chainplate sweep		(deg)	25	Checkstay	2	3065		11036	-55	7.8	27,489	JAMMER Wear Factor	Depends on Jammer load		
# Spreaders			3									Speed Factor	Depends of eased speed		
RM @25deg		(kgm)	38031									Cover Weakness	Depends of the cover material		
												UV weakness	Depends of the cover material		

Above there's an example of the data and criteria we gather from the various sources and critical aspects we analyze to determine the best outcome.

CAPTIVE WINCH TREATMENT

Unique production treatment that enhances captive winch sheet performance .

Our Stable Core Winch treatment ensures a ropes' breaking load and elongation-resistance is not impaired while on the winch. What's more, it enables a rope to perform flawlessly on a captive winch system: the rope is flexible, holds its shape, doesn't slide between core and cover, possesses a high abrasion-resistance and a good balance between maneuverability and grip.

Our cutting-edge SC treatment is the result of years of collaborative research between Armare and Soluzioni Tessili Rigging; we've tested thousands of meters of rope on the world's leading captive winch brands. Research and testing hasn't only resulted in knowing exactly which problems arise while working a line through the drum, pulleys and other captive winch components but also in a treatment that eliminates these issues.

Our Stable Core treatment can be applied to all of our covers.



MAIN SPLICES AND FINISHES

We are specialized in all kinds of handcraft finishes, with a wide selection of different splicing and custom jobs to choose from depending on the rope materials and final use. Sometimes ropes require certain specific characteristics determined by external factors, such as deck hardware or boat designs and the solution is not always very evident.

This is when our creativity, attention to detail and expert craftsmanship come to play to deliver functional, but also aesthetically pleasing solutions.



DYNEEMA COVERED EYE



COVERED EYE SPLICE



STRIRPED EYE SPLICE



PRO STRIRPED EYE SPLICE



SUPERCABLE SPLICE



CONNECTION/TAPER



MACHINE TAPERING



DIAMETER INCREASE



SHORT-SHEET LOOP



HOIST MARKERS



PRO TAIL



WHIPPING

MAIN COVER MATERIALS

PBO-ZYLON® / DYNEEMA®

PBO is one of the strongest rope-making materials available. It increases abrasion resistance while Dyneema improves rope fluidity when eased. The best you can ask for on ropes that take on high loads and temperatures with aggressive easing and trimming. They are great as **runners tails, jib sheets and gennaker sheets** for GP racers



TECHNORA® / DYNEEMA®

This carefully blended mix delivers a great balance between the abrasion resistance and low friction of Dyneema and the high friction and heat tolerance of Technora. The result is a hard-wearing, easy to handle rope that will endure the harsh treatment of those aggressive race winches. Mainly used for **runners tails, jib sheets and gennaker sheets**



TECH/DYN/PET

By adding Polyester fibers to the previous blend we trade some ruggedness for versatility and an increased grip on stoppers. This cover is easily customizable thanks to the wide range of colors available. A great favorite amongst both pro and amateur racers, as well as for performance cruisers. It is especially good for **halyards, but works great also for sheets and furling lines.**



CORDURA® / POLYESTER

Highly versatile and more durable than 100% PET covers thanks to the stronger CORDURA fibers that increase abrasion resistance and hence durability. Great grip on stoppers and lightweight, it is very popular amongst cruisers and casual racers who like to use it for **sheets, halyards and/or general running rigging.**



POLYESTER

One of the most common materials used for cruising ropes. It has good abrasion resistance, grip on stoppers and excellent tolerance to the environment agents like sun and salt. Very easy to customize with various combinations of colors and patterns.



100% / DYNEEMA®

This is a light but very resistant cover. It protects the core from abrasion in those areas prone to chafing. Thanks to its low friction coefficient it helps the rope move with ease around blocks and deviations, in particular the areas close to the splices, keeping them slimmer too. Extremely versatile, it is used to **protect ropes, but also loops, strops, cables and a great variety of specialized gear.**





DYNEEMA® CORES

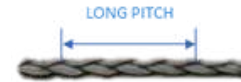


SUPER PERFORMANCE 99

DYNEEMA® SK99 SUPER HEAT PRESTRETCHED

FEATURES		Ø (mm)	CORE	CORE + COVER
			BREAKING LOAD (kg)	BREAKING LOAD (kg)
MATERIAL	DYNEEMA® SK99			
CONSTRUCTION	12 STRAND			
PROCESSING	SUPER HEAT PRESTRETCH PROCESS			
FEATURES	SUPER STRENGTH			
APPLICATIONS	STATIC FEATURE			
COVERS	TEC/DYN, TEC/DYN/PET, CRD/PET, PET			
	LONG PITCH STRAND	14	26,585	14,964
	POLYURETHANE COATING	16	32,780	16,814
	SUPER ELONGATION RESISTANCE	18	40,714	18,573
	HALYARDS, SHEETS, GUYS.	20	46,789	26,585
		22	56,371	32,780
		24	64,730	40,714
		26	75,790	45,158
		28	85,076	56,371
		30	93,272	64,730
		32	101,855	75,790
		34	110,398	85,076
		36	-	93,272
		38	-	101,855
		40	-	110,398

- BREAKING LOAD** ★★★★★☆
- ELONGATION RESISTANCE** ★★★★★☆
- CREEP RESISTANCE** ★★★★★☆
- FLEXIBILITY** ★★☆☆☆☆



SUPER 78/SUPER PERFORMANCE 78

DYNEEMA® SK78 SUPER HEAT PRESTRETCHED PROCESS

FEATURES		Ø (mm)	CORE	CORE + COVER
			BREAKING LOAD (kg)	BREAKING LOAD (kg)
MATERIAL	DYNEEMA® SK78			
CONSTRUCTION	12 STRAND			
PROCESSING	SUPER HEAT PRESTRETCH PROCESS			
FEATURES	HIGH STRENGTH			
APPLICATIONS	STATIC FEATURE			
COVERS	TEC/DYN, TEC/DYN/PET, CRD/PET, PET			
	LONG PITCH STRAND	14	20,387	10,296
	NO COATING	16	26,809	13,354
	GREY POLYURETHANE COATING	18	32,008	16,310
	HALYARDS, SHEETS.	20	37,717	20,387
		22	44,852	26,809
		24	51,478	32,008
		26	57,288	34,964
		28	66,259	44,852
		30	74,312	51,478
		32	81,549	57,288
		34	88,685	66,259
		36	-	74,312
		38	-	81,549
		40	-	88,685

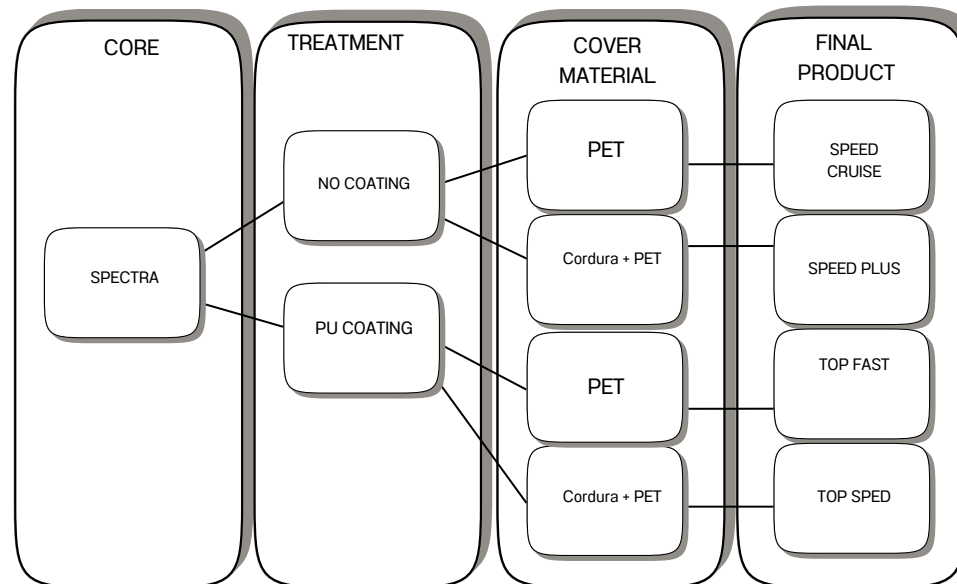
- BREAKING LOAD** ★★★★★☆
- ELONGATION RESISTANCE** ★★★★★☆
- CREEP RESISTANCE** ★★★★★☆
- FLEXIBILITY** ★★☆☆☆☆



OTHER CORES

SPECTRA® (HMPE)		FEATURES		CORE		CORE + COVER	CRD/PET	
MATERIAL	SPECTRA® + PU COATING			Ø	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT
CONSTRUCTION	12 STRAND BEAR CORE	8 STRAND COVERED		[mm]	[kg]	[kg/m]	[kg]	[g/m]
TREATMENTS	NORMAL PRESTRETCH PROCESS	GREY POLYURETHANE COATING		3	510	6,2	-	-
FEATURES	COOD RESISTANCE			4	1.407	12,0	-	-
APPLICATIONS	TACKLE SYSTEMS	HALYARDS, SHEETS, GUYS.		5	2.141	19,0	-	-
				6	2.956	26,0	1.121	26,0
				7	4.495	35,0	-	-
				8	5.596	45,0	1.886	47,0
				9	6.667	51,0	-	-
				10	9.225	73,0	2.956	73,0
				12	-	-	4.893	95,0
				14	-	-	6.218	134,0
				16	-	-	8.563	172,0
				18	-	-	10.703	222,0
				20	-	-	12.334	278,0

- BREAKING LOAD ★★☆☆☆☆
- ELONGATION RESISTANCE ★★☆☆☆☆
- CREEP ★★☆☆☆☆
- FLEXIBILITY ★★☆☆☆☆

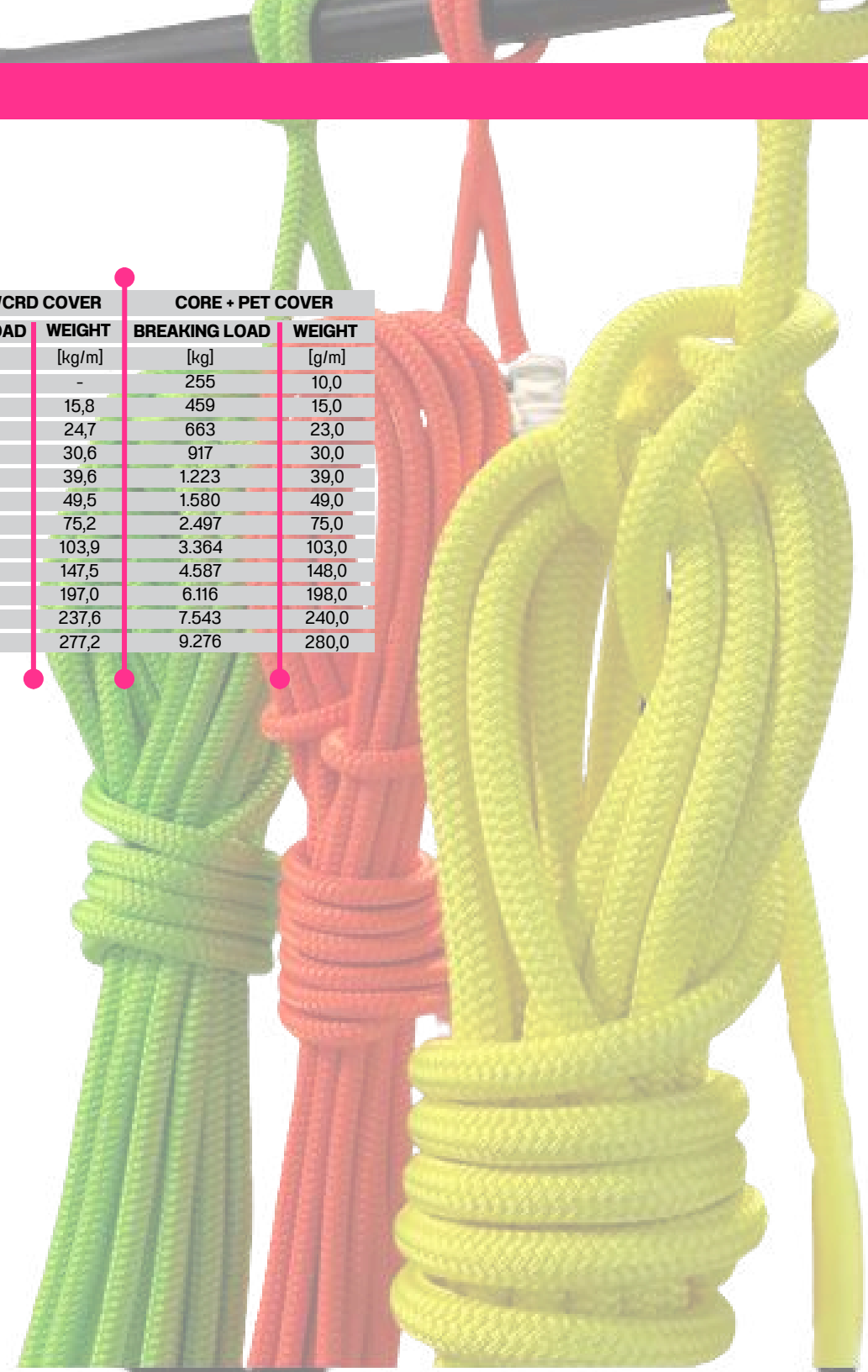
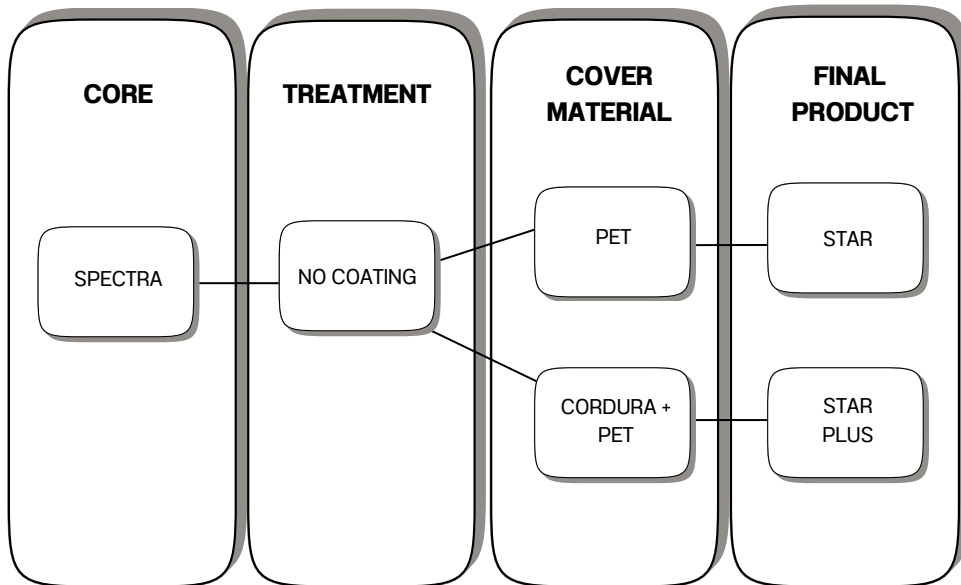


OTHER CORES

POLYESTER

FEATURES		CORE + PET/CRD COVER		CORE + PET COVER		
MATERIAL	POLYESTER	Ø	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT
CONSTRUCTION	12 STRAND	[mm]	[kg]	[kg/m]	[kg]	[g/m]
FEATURES	GOOD RESISTANCE					
APPLICATIONS	TACKLE SYSTEMS					
	MEDIUM PITCH STRAND	3	-	-	255	10,0
	HALYARDS, SHEETS, GUYS.	4	479	15,8	459	15,0
		5	693	24,7	663	23,0
		6	963	30,6	917	30,0
		7	1.284	39,6	1.223	39,0
		8	1.662	49,5	1.580	49,0
		10	2.620	75,2	2.497	75,0
		12	3.527	103,9	3.364	103,0
		14	4.791	147,5	4.587	148,0
		16	6.422	197,0	6.116	198,0
		18	7.849	237,6	7.543	240,0
		20	9.735	277,2	9.276	280,0

- BREAKING LOAD ★★☆☆☆
- ELONGATION RESISTANCE ★★☆☆☆
- CREEP ★★☆☆☆
- FLEXIBILITY ★★☆☆☆



SPECIAL PRODUCTS



SUPERCABLE 99					
FEATURES				BREAKING LOAD	WEIGHT
MATERIAL	CORE SUPER PERF. 99	COVER PU COATED DYNEEMA®	Ø	[kg]	[kg/m]
CONSTRUCTION	12 STRAND	LONG PITCH STRAND	[mm]		
FEATURES	SUPER HIGH STRENGTH	SUPER ELONGATION RESISTANCE	4	1.471	12,0
APPLICATIONS	REMOVABLE STAYS, RUNNERS, BOBSTAY, STRUCTURAL STROPS.		5	2.858	19,0
			6	4.281	28,0
			7	6.320	40,0
			8	8.154	45,0
			9	9.989	54,0
			10	12.688	71,0
			11	14.967	83,0
			12	15.856	92,0
			13	17.376	114,0
			14	18.573	140,0

BREAKING LOAD ★★★★★
ELONGATION RESISTANCE ★★★★★
CREEP ★★★☆☆
FLEXIBILITY ★★☆☆☆

SUPERLOOP 99					
FEATURES				BREAKING LOAD	WEIGHT
MATERIAL	CORE SUPER PERF. 99	COVER PU COATED DYNEEMA®	Ø	[kg]	[kg/m]
CONSTRUCTION	12 STRAND	LONG PITCH STRAND	[mm]		
FEATURES	SUPER HIGH STRENGTH	SUPER ELONGATION RESISTANCE	4	1.471	12,0
APPLICATIONS	REMOVABLE STAYS, RUNNERS, BOBSTAY, STRUCTURAL STROPS.		5	2.858	19,0
			6	4.281	28,0
			7	6.320	40,0
			8	8.154	45,0
			9	9.989	54,0
			10	12.688	71,0
			11	14.967	83,0
			12	15.856	92,0
			13	17.376	114,0
			14	18.573	140,0

BREAKING LOAD ★★★★★
ELONGATION RESISTANCE ★★★★★
CREEP ★★★☆☆
FLEXIBILITY ★★☆☆☆

What is this new thing??

The **SUPER LOOP** is a modified version of the Super Cable. The core remains in braided DYNEEMA SK99, but the construction is slightly different, giving this product the following upgrades:

- Increased stiffness compared to a Super Cable of the same diameter.
- Constant section through the length (no diameter variation close to the splice areas)

MOORING SOLUTIONS



STORM LINE

		FEATURES	Ø	BREAKING LOAD	WEIGHT
MATERIAL	CORE Polyester	COVER Polyester			
CONSTRUCTION	Balanced Twist Polyester		[mm]	[kg]	[g/m]
APPLICATIONS	Ideal for maxi yachts and as an emergency or long mooring lines for small and medium-sized yachts.		14	4.281	134,0
Standard Color	White, black, Navy Blue		16	4.995	144,0
Special Color	Silver Grey, Hemp, Red, Old English Green; Burgundy		18	5.505	188,0
			20	8.665	288,0
			22	11.825	365,0
			24	13.761	441,0
			26	14.883	510,0
			28	18.858	575,0
			30	20.387	640,0
			32	24.057	890,0
			36	25.994	1.130,0
			40	31.600	1.280,0



STORM LINE PLUS

		FEATURES	Ø	BREAKING LOAD	WEIGHT
MATERIAL	CORE Dyneema® SK78	COVER Polyester			
CONSTRUCTION	Balanced Twist Dyneema® SK78		[mm]	[kg]	[g/m]
APPLICATIONS	The rope's Dyneema® core significantly enhances strength		20	18.552	239,0
Standard Color	White, black, Navy Blue		22	24.873	305,0
Special Color	Silver Grey, Hemp, Red, Old English Green; Burgundy		24	30.581	366,0
			26	37.717	425,0
			28	45.872	477,0
			30	53.007	608,0
			32	62.181	838,0
			36	80.530	937,0
			38	89.704	999,0
			40	101.427	1062,0





We can add a Dyneema® cover on the eye to improve the mooring line's durability.
Dyneema® can be coated with the color of your preference.

SEA KING

FEATURES		Ø	BREAKING LOAD	WEIGHT
MATERIAL	CORE Polyester	[mm]	[kg]	[g/m]
CONSTRUCTION	3 Strand braided Polyester	8	1.295	48,0
APPLICATIONS	Classic choice for permanent moorings. Suitable for all yacht sizes.	10	1.713	70,0
Standard Color	White, black, Navy Blue	12	2.854	103,0
Special Color	Silver Grey, Hemp, Red, Old English Green; Burgundy	14	3.670	140,0
		16	4.383	185,0
		18	5.505	230,0
		20	6.830	290,0
		22	8.461	320,0
		24	9.888	437,0
		26	11.315	500,0
		28	12.283	565,0
		30	13.660	650,0
		32	15.698	740,0
		36	19.369	900,0
		40	23.955	1.150,0



SECURE LINE

FEATURES		Ø	BREAKING LOAD	WEIGHT
MATERIAL	CORE 100% Dyneema® SK78	[mm]	[kg]	[g/m]
CONSTRUCTION	8 Strand braided Dyneema® SK78	10	10.194	60,0
FEATURES	High breaking load, light, able to float, low elongation, almost zero water absorption, high visibility, high resistance to abrasion.	12	12.742	80,0
APPLICATIONS	Emergency anchoring and mooring, long mooring from boat to land, towing line.	14	15.291	96,0
		16	18.349	110,0
		20	23.445	147,0
		24	28.542	192,0
		28	34.659	230,0
		32	39.755	250,0
		36	45.872	300,0
		40	50.968	350,0





LOOPS & STROPS

They are designed to replace steel shackles wherever it is possible and convenient to have a lighter, softer alternative. They are made from either unidirectional or braided DYNEEMA® SK99 and are usually covered with a 100% DYNEEMA® chafe guard to further protect them from chafing, UV rays and other external factors increasing their life.

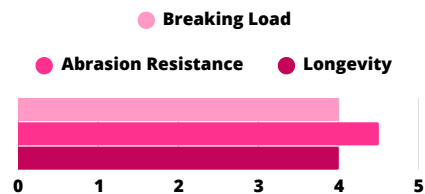
These technically advanced loops and strops guarantee the best diameter / breaking load ratio and can be used in-line, double (basket) or with a dog bone.

All loops and strops are available in different sizes and MWL.

It is possible to have them coated in different colours in order to be easily recognized by the crew or, for example, match the colour of the connected rope.

Traditional covered loop

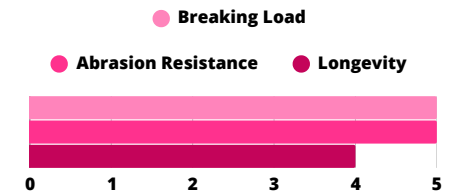
Strong, resistant, aesthetically clean and durable.



Construction: Dyneema® braided core and cover
Material: Dyneema®SK78, Dyneema®sk99

Unidirectional covered loop

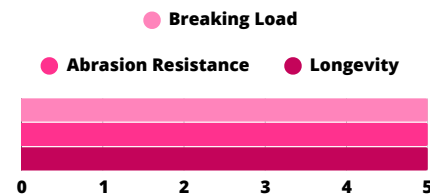
This reduced-diameter loop delivers maximum performance, is light strong and reduces elongation.



Construction: Dyneema® unidirectional core and Dyneema® braided cover
Material: Dyneema®sk99 UD

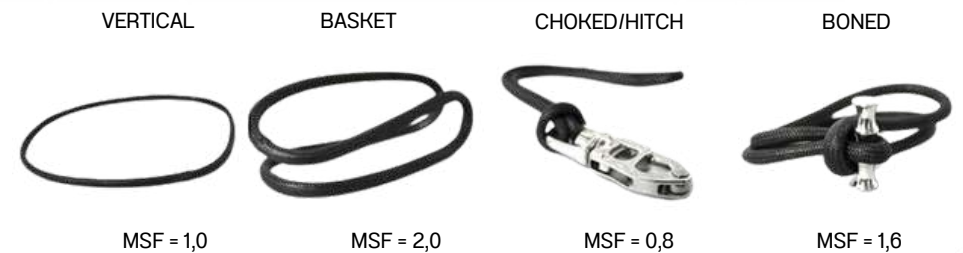
Offshore Loop with Dog-Bone

This loop combines the lightness and strength of Dyneema®, with the characteristics of classic steel shackles.



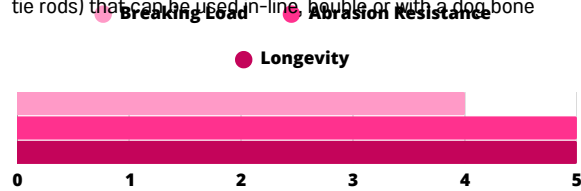
Construction: Dyneema® braided core and cover Dog Bone
Material: Dyneema®sk99, Dog Bone SS 17-4PH or aluminium alloy

HOW CAN USE MY LOOPS & STROPS



Traditional single stop

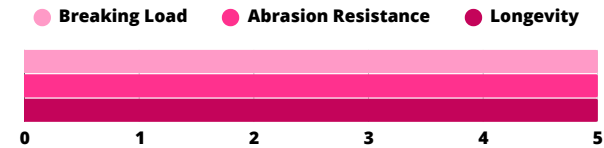
A strong & versatile fitting (for forestay stop, lock system, extension, tie rods) that can be used in-line, double or with a dog bone



Construction: Dyneema® braided core and cover
Material: Dyneema®SK78, Dyneema®sk99

Strop Loop with Dog-Bone

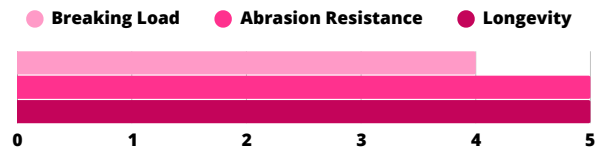
It is built as a single stop, but used as a boned loop. The fibers are better aligned and they can be mounted in different ways to adapt to the hardware.



Construction: Dyneema® braided core and cover + Dog Bone
Material: Dyneema®SK78, Dyneema®sk99

Mega loop & Mega strops

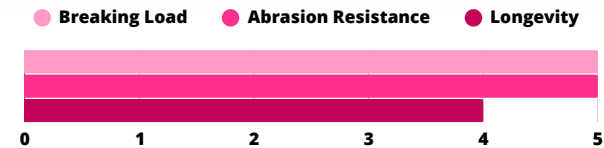
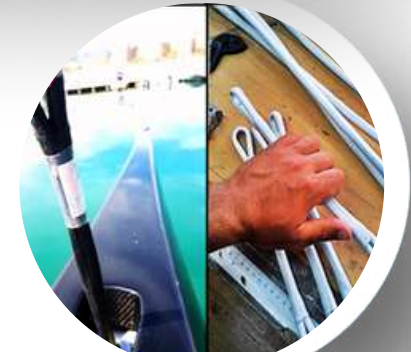
We have specifically designed and manufactured a diverse range of high-load strops and loops for the mega-yacht industry.



Construction: Dyneema® braided core and cover
Material: Dyneema®SK78, Dyneema®sk99

Unidirectional single stop

This reduced-diameter loop delivers maximum performance, is light, strong and reduces elongation.



Construction: Dyneema® braided unidirectional cover and Dyneema® braided cover
Material: Dyneema®SK78, Dyneema®sk99

HOW DO I CHOOSE THE RIGHT LOOPS/STROPS FOR ME?

There are many factors that may influence the choice of a loop/strop, along with all the different configuration possibilities, one may get a bit lost at first. Here are some of the main aspects to keep in mind for a first approach:

1.Stripped or covered?

2. Breaking Load

3. Hardware: The items to which the loop/strop is linked to impose specific constrains that must be accounted for. Usually these are declared by the manufacturer.

4. Easy to open/close or fixed?

Please contact our technical department, where our expert staff will help you with the remaining details to find the best solution for you.

SOFT SHACKLES

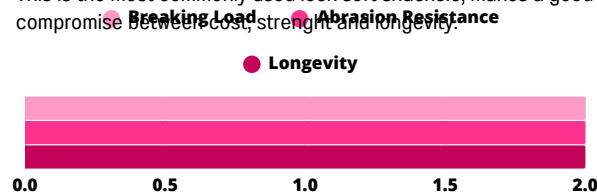
Our Soft Shackles are made without the use of any metal at all, but built from DYNEEMA® instead. They can be used to substitute any opening metal hook or shackle, they are safe, strong and substantially lighter than their metal-made counterparts (approximately 6 times lighter).

Additional benefits of their decreased weight and 'soft-ness' are a reduced chance of injuring someone or damaging the boat. What's more...they don't squeak.

*Code names help identify the equivalent size Tylaska. (i.e. SSC1L-08 = Equivalent WL as Tylaska T08)

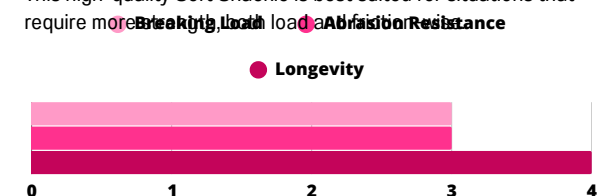
Soft Shackle (No Cover)

This is the most commonly used lock soft shackle, makes a good compromise between cost, strength and longevity.



Construction: Dyneema® braided core
Material: Dyneema®sk99

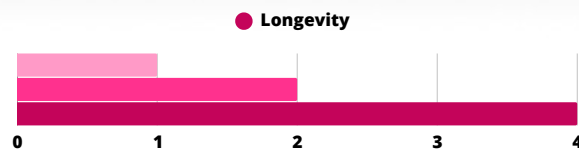
This high-quality Soft Shackle is best suited for situations that require more strength, load and abrasion resistance.



Construction: Dyneema® braided core and cover
Material: Dyneema®sk99

Super-light Soft Shackle (No Core)

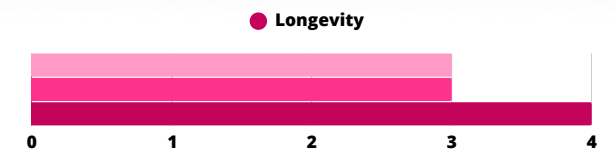
Best suited for areas with high abrasion resistance.



Construction: Dyneema® cover
Material: Dyneema® cover

Dyneema® Covered Soft Shackle - 2 Lap

This high-quality Soft Shackle is best suited for situations that require more strength, load and abrasion resistance.



Construction: Dyneema® braided core and cover
Material: Dyneema®sk99

SOFT SHACKLES SK99	MAX WL (ton)										
	0,5	1,0	1,5	2,0	2,5	3,0	4,0	4,5	5,0	6,0	
No Cover Single Lap	SS-08	SS-12	SS-16	SS-20							
Covered Single Lap	SSC-05	SSC-08	SSC-12	SSC-16	SSC-18	SSC-20		SSC-24			
Covered Double Lap		SSC-05-2L	SSC-08-2L		SSC-12-2L		SSC-16-2L		SSC-18-2L	SSC-05-2L	

LOCK STROPS

The Masthead Halyard Lock System has increasingly become an integral part of the rig. Our lock stops can either be spliced into various types of locks or bullets, or also delivered on their own as a plug-and-play solution.

The stop-rings are Torlon®-made and treated with Arnite in order to protect shafts and pulleys from damage. They can be manufactured from either unidirectional or braided fibers.

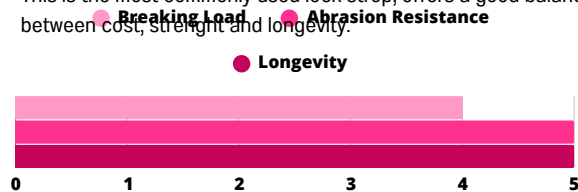
COLORS

They can be color-coded with resin so crew can easily distinguish the different halyards during maneuvers.

All lock stops can be made to each client's specifications, in different sizes and MWL.

Traditional Lock stops

This is the most commonly used lock stop, offers a good balance between cost, strength and longevity.

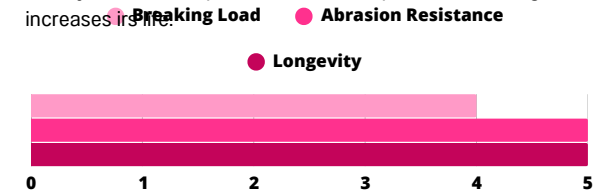


Construction: Dyneema® braided core and cover

Material: Dyneema®sk99



The Dyneema cover preserves the core, preserves chafing and increases its life.

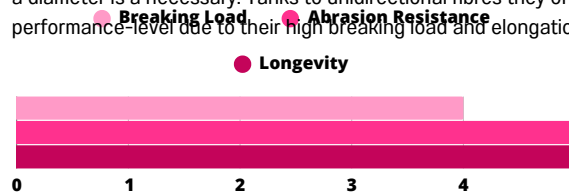


Construction: Dyneema® braided core and cover

Material: Dyneema®sk99

Unidirectional Sling Lock Stops

High-performance stops designed especially for the Grand Prix market, or wherever a diameter is a necessary. Tanks to unidirectional fibres they offer an unsurpassable performance-level due to their high breaking load and elongation resistance.



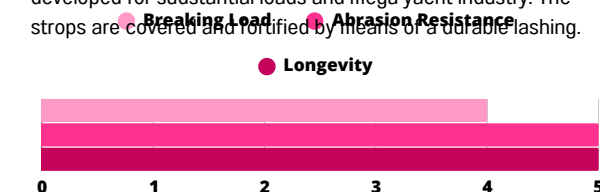
Construction: Dyneema® unidirectional core and cover

Material: Dyneema®sk99 UD



Mega yacht Lock stops

We have a range of lock stops which have been specifically developed for substantial loads and mega yacht industry. The stops are covered and fortified by means of a durable flashing.



Construction: Dyneema® braided core and cover

Material: Dyneema®SK78, Dyneema®sk99

ACCESSORIES - RINGS AND FERRULES

The classic and super versatile ferrule (a.k.a. friction ring) is one of the most common accessories to have on board, with a thousand different applications. Use them as fairleads, rope deviations, purchases, lashings, cascades and so much more. It is well known that a rope's load resistance will greatly benefit when it works upon a surface with a correct radius, therefore we always recommend adding a ferrule whenever possible to improve the load distribution and preserve the fibers.

ITEM	Ø EXT	Ø INT	Ø ROPE MAX
[-]	[mm]	[mm]	[mm]
TB1	25	11	7
TB2	34	15	10
TB3	40	18	12
TB4	50	23	15
TB5	60	28	18
TB6	70	32	23
TB7	90	40	30



TITANIUM BOBBINS

Material: Grade 5 Titanium

Designed for more "static" applications, where the main focus is to benefit the alignments and dispositions of the fibers around the ferrule, to improve the equilibrium of the system and load distribution across the textile's section.

ITEM	Ø EXT	Ø INT	Ø ROPE MAX
[-]	[mm]	[mm]	[mm]
F0	18	7	5
F1	25	10	7
F2	35	14	10
F2,5	42	18	12
F3	50	20	14
F4	65	28	20
F5	98	38	28



FERRULES / FRICTION RINGS

Material: Aluminium

These guys need no introduction. They come in a great variety of sizes for every different application and rope diameter, with a hard anodized finish to reduce friction of ropes running through.

ACCESSORIES - DOG BONES

The highly adaptable dogbone serves as a 'connector' and can be used in conjunction with a soft loop/strop in order to replace almost any type of shackle. We offer dog bones in five different sizes and can supply classic yachts with titanium or bronze-made varieties. All dog bone are available in different sizes and MWL.

ITEM	Ø INT	LENGTH	BL
[-]	[mm]	[mm]	[kg]
DBT1	9	29	4.500
DBT2	10	35	6.200
DBT3	12	40	8.500
DBT4	14	45	11.200
DBT5	16	51	15.000
DBT6	19	60	21.000

ITEM	Ø INT	LENGTH	WEIGHT
[-]	[mm]	[mm]	[g]
DBOFFC0	9,5	44	28,5
DBOFFC1	10	51	45,0

ITEM	Ø INT	LENGTH	BL	WEIGHT
[-]	[mm]	[mm]	[kg]	[g]
DB0	6,0	25,0	1.800	8,0
DB1	7,0	33,0	3.000	20,70
DB2	9,0	40,0	4.000	28,60
DB3	11,0	48,0	5.000	47,60
DB4	13,0	55,0	9.000	88,40



TITANIUM DOG BONES

Material: Grade 5 Titanium

Besides the obvious advantages of the choice of materials, they improve safety of use thanks to the special design features. The sizes were studied to fit the ideal diameters and improve load resistance of the ropes.



OFFSHORE DOG BONE

Material: SS AISI 630 - 17-4 PH High Resistance



CLASSIC DOG BONE

Material: SS AISI 630- 17-4 PH High Resistance

ACCESSORIES - MAST PROTECTION FITTINGS

For those applications where a metal fitting at the end of a halyard, tack, or lock stop can damage a softer structure. Used to protect the mast surface or sheaves from impacts caused by a snap shackle or Tylaska, they are meant work as bumper between them and preserve much more important parts of the boat. These are the evolution of the classic colored stop-balls, meant to last longer and optimize luff length.

ITEM	Ø EXT	Ø INT
[-]	[mm]	[mm]
OMB01	44	14
OMB02	62	20



OMBRELLO

Material: Arnite

Improved ergonomoy and resistance. They fit perfectly with metal bails of fittings such as Tylaska snap shackles. They can move freely and avoid getting stuck under sails or pulpits

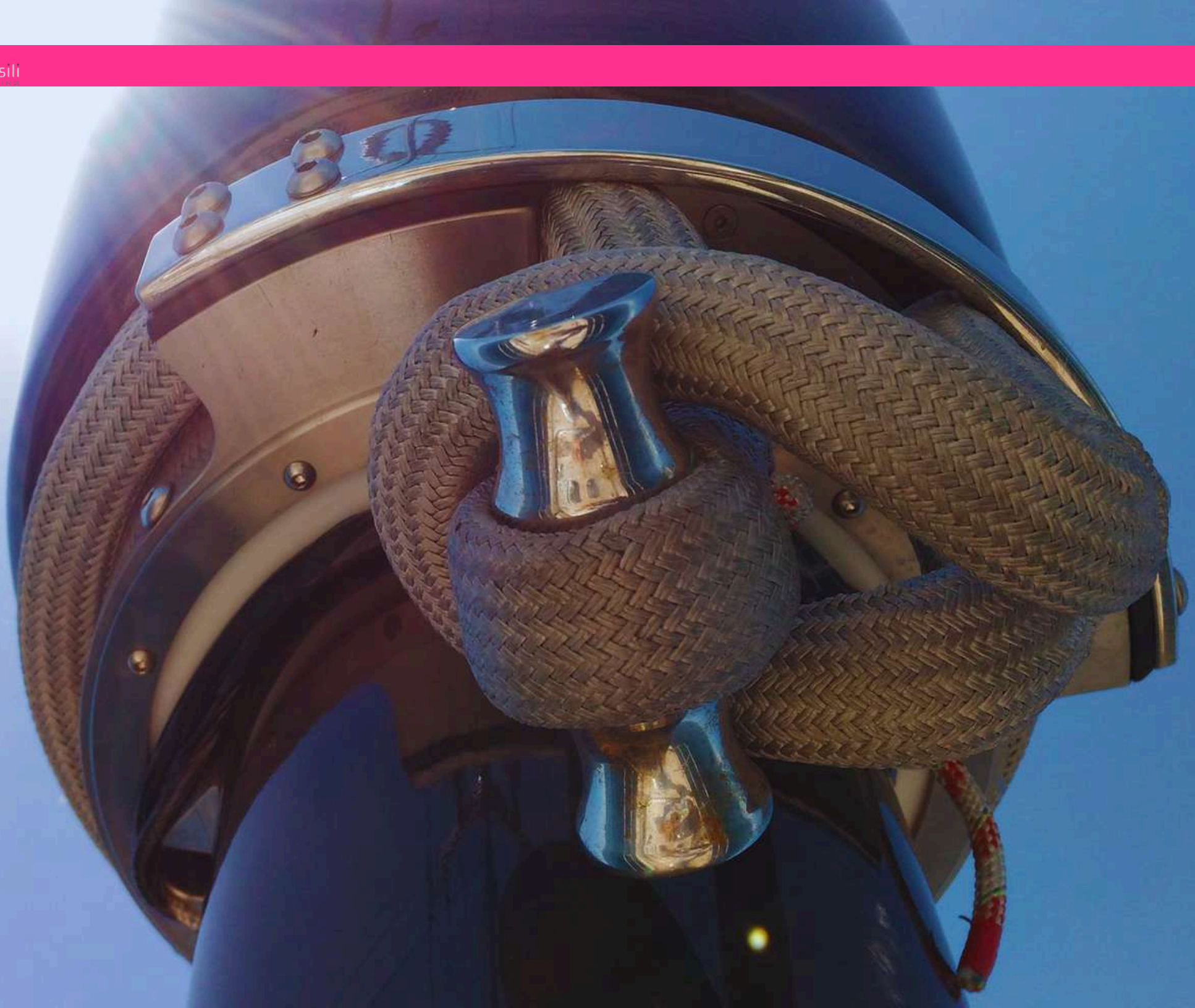
ITEM	Ø EXT	Ø INT
[-]	[mm]	[mm]
DISC01	44	16
DISC02	62	24



HALYARD STOP-DISC

Material: Arnite

The evolution of the classic stopball. Light and strong to help protect your mast, bowsprit, etc. from damage caused by metal fittings.



DIGITAL RECOGNITION, THE NEXT STEP ON YACHT MAINTENANCE AND SERVICE

Now you can simplify the maintenance of your yacht's rigging by inserting a special CHIP in any of our textile-made loops, strops and cables.



The CHIP's NFC (Near-Field Communication) technology stores all of your product's most relevant information such as MWL, Safety Factor, or expected life-span. This way we can keep track of the products on your yacht, and let you know when a specific item might be in need of maintenance or replacement. The system also eliminates the need to store and search through a hefty manual, as all you need is your device or smartphone to access a loop, rope or strop's data in just a few seconds.



Near-Field Communication (NFC) enables two electronic devices (one of which is usually portable, such as a smartphone) to exchange data by bringing the devices within 4 cm (1.6 in) of each other.



USE AND MAINTENANCE GUIDELINES

The average values indicated in the tables and graphs in this catalogue are obtained from laboratory tests.

These tests were made under controlled conditions on new ropes, ropes which were suitably spliced at both ends.

Indicated values may be changed without notice.

- Use and exposure to atmospheric agents cause breaking load losses
- In order to safeguard the characteristics of the product and unexpected breakages the load applied to a rope in good condition must never exceed the values indicated in the table by 20% or more.
- The safety percentage must be higher when dynamic loads and/or tears come into play.
- An incorrectly constructed splice considerably reduces a product's resistance. The presence of knots can also cause a drop in resistance of up to 50%.
- When using the ropes the user must avoid contact with sharp or particularly abrasive surfaces.
- We recommend a visual check at regular intervals to verify the condition of the deck equipment and components that interact with the lines (winches, pulleys, bevel gear, etc.).
- Each line must be checked periodically, especially after intense or extreme use. Visual inspection alone cannot guarantee the quality of the product and, therefore, its breaking load.
- Do not use lines with obvious signs of aging
- To avoid injury always position yourself outside the range of the line when working with lines under load.
- Dyneema®- made products must not be used in environments with temperatures above 55°.
- Zylon® and Vectran®-made cores must be used with their protective cover to avoid direct exposure to sunlight.
- Zylon® has a high sensitivity to moisture, therefore it is strongly recommended not to store Zylon®-made ropes in damp environments.
- It is recommended to avoid ropes coming into contact with chemical agents. In case of contamination, contact Textile Rigging Solutions
- Ropes should be washed periodically with fresh water. Dirt, grease and salt residues reduce the life of the fibers and the product's breaking load.
- Ropes must be disposed of as "municipal waste" - DO NOT DISPOSE OF ROPE- MATERIAL IN THE ENVIRONMENT

-

LOOPS & STROPS


In order to comply with our standard, resting radiuses must be 1,25 times the strop diameter


All the products in this catalogue are intended exclusively for use in pleasure boating and sports, which includes work undertaken aloft. Any other usage are strictly prohibited.

SOLUZIONI TESSILI RIGGING is in no way responsible for any printing errors in this catalogue.

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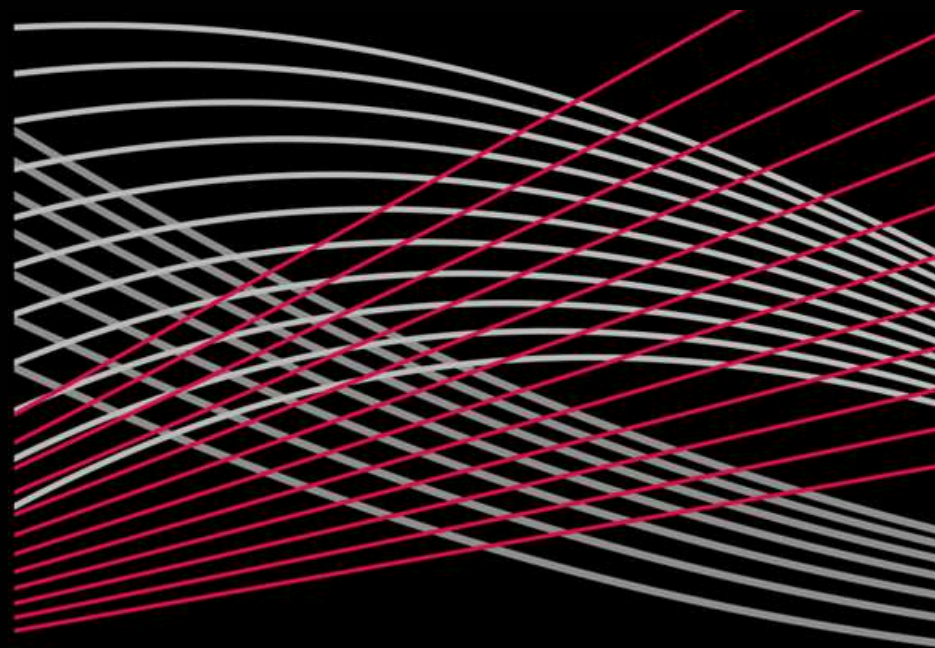
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