



SoluzioniTessili
RIGGING



SAILMAKERS

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.

WORK PROCESS



PREPARATION

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.



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.



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 WI (kg)	Extrem WI (kg)	Minimun WI (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.

CLIENT PORTFOLIO

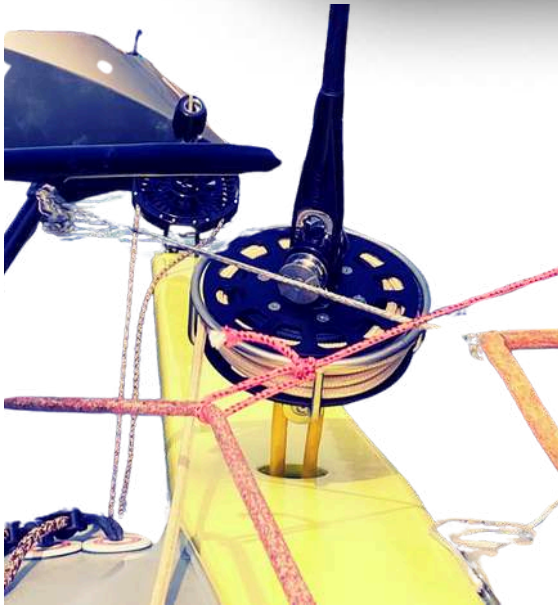
WE SUPPLY AND WORK ALONGSIDE SOME OF THE TOP COMPANIES IN THE BUSINESS SUCH AS



DEDICATED PRODUCTS AND CUSTOM SOLUTION

NOT ONLY WE ARE ABLE TO SUPPLY WITH MATERIALS TAYLORED TO YOUR SPECIFIC NEEDS. THANKS TO OUR EXPERIENCE AND TECHNICAL CAPABILITES WE CAN WORK ALONGSIDE YOUR COMPANY WHEN DEVELOPING NEW PROJECTS, HELP FINDING POTENTIAL CRITICAL POINTS AND SOLVING PROBLEMS THROUGH NEW AND CREATIVE SOLUTIONS, MAKING SURE THAT THE LINK BETWEEN YOUR SAILS AND THE BOAT IS MADE AS YOU INVISIONED.

SOME EXAMPLES:



CUSTOM MADE FREE TACK LOOP



SWAN 36 JIB CUNNINGHAM AND FORESTAY DEAD END

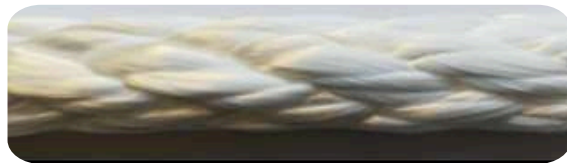


CUSTOM LOCK STROPS AND T-RING LOOPS MADE FOR SPECIFIC SAILS AND BOAT SPECS

SINGLE BRAIDS

	SUPER PERFORMANCE 99		SUPER PERFORMANCE 78		PLUS PERFORMANCE 78		PLUS 78		VECTRAN®	
MATERIAL	DYNEEMA® SK99 SUPER HEAT PRESTRETCH + POLYURETHANE COATING		DYNEEMA® SK78 SUPER HEAT PRESTRETCH + POLYURETHANE COATING		DYNEEMA® SK78 POLYURETHANE COATING		DYNEEMA® SK78 SUPER SOFT		VECTRAN® POLYURETHANE COATING	
FEATURES	SUPER HIGH STRENGTH, SUPER ELONGATION RESISTANCE		HIGH STRENGTH AND ELONGATION RESISTANCE		GOOD STRENGTH GOOD ELONGATION RESISTANCE		GOOD STRENGTH, EXTREME PLIABLE		GOOD STRENGTH, NO CREEP	
Ø	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT
[mm]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]
4	2.854	11,20	2.294	10,10	1.631	9,80	1.529	7,40	1.916	11,9
5	4.365	18,05	3.146	15,30	2.854	14,40	2.512	9,60	2.813	18,00
6	6.320	22,86	5.097	24,00	4.179	20,00	3.678	14,10	3.874	25,00
7	8.236	29,90	6.524	31,10	6.218	27,00	5.472	21,00	-	-
8	10.027	38,80	7.543	38,20	7.288	35,00	6.414	27,40	6.874	44,50
9	12.687	48,13	9.904	51,10	8.257	46,00	7.266	35,00	-	-
10	14.964	58,80	11.825	60,00	10.398	57,00	9.144	42,10	10.194	74,00
11	16.814	62,00	13.354	77,00	12.334	61,00	10.854	49,00	-	-
12	18.573	77,00	16.310	94,00	15.494	68,00	13.007	55,90	12.783	85,00

DYNEEMA®



VECTRAN®



LEECH LINES (MEOLO)

CORE MATERIAL	PLUS PERFORMANCE 78		DYNEEMA® SK78 UD		SPECTRA® SK78 UD		POLYESTER BRAID	
COVER MATERIAL	POLYESTER/CORDURA		H.T. POLYESTER 2X2		H.T. POLYESTER 2X2		H.T. POLYESTER 2X2	
Ø	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT
[mm]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]
1,5	-	-	194	2,2	163	2,8	112	2,6
2	102	4,3	214	3,5	204	4,5	163	4,2
2,5	143	5,8	235	5,2	224	5,6	203	5,0
3	269	6,8	316	6,2	306	6,8	255	7,5
3,5	480	9,4	530	9,8	458	9,9	357	10,7
4	628	12,3	734	12,9	607	12,2	459	13,4
5	917	18,9	1.019	17,6	815	18,7	663	19,9
6	1.529	25,7	1.529	24,9	1.019	25,5	917	28,2
7	2.332	37,6	-	-	-	-	-	-
8	2.512	48,4	-	-	-	-	-	-
9	3.678	58,4	-	-	-	-	-	-
10	5.472	68,3	-	-	-	-	-	-
11	6.156	83,1	-	-	-	-	-	-
12	6.414	98,0	-	-	-	-	-	-



LEECH LINES (MEOLO)

CORE MATERIAL	PLUS PERFORMANCE 78		PLUS PERFORMANCE 78		H.T. POLYESTER	
COVER MATERIAL	DYNEEMA®		H.T. POLYESTER		H.T. POLYESTER	
Ø	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT	BREAKING LOAD	WEIGHT
[mm]	[kg]	[g/m]	[kg]	[g/m]	[kg]	[g/m]
2,5	-	-	-	-	136	5,3
3	-	-	396	8,2	158	7,8
3,5	-	-	-	-	175	10,3
4	938	9,8	474	12,4	190	14,2
4,3	-	-	-	-	239	16,2
4,5	-	-	-	-	383	19,1
5	1025	19,1	1.141	29,5	457	22,4
5,5	-	-	1.427	23,9	596	27,0
6	2.047	28,0	1.753	28,2	762	32,2
6,5	-	-	1.906	32,4	859	36,7
7	4.179	40,0	2.065	36,5	897	43,0
7,5	-	-	-	-	928	50,0
8	6.257	45,0	2.181	47,4	948	51,0
8,5	-	-	-	-	1.101	67,0
9	7.238	54,0	2.670	57,2	1.172	70,0
9,5	-	-	-	-	1.229	75,0
10	8.257	71,0	3.141	70,3	1.366	83,0
11	-	-	3.329	91,8	1.448	94,0
12	12.334	92,0	3.552	106,8	1.544	105,0
13	15.100	114,0	4.000	125,3	1.736	125,0

MAIN FEATURES:

- Low Stretch
- Good torsional transmission thanks to the special construction and treatments.
- High tensile strength

RECOMMENDED APPLICATIONS:

- Furling systems for spherical sails/head sails
- Luffs
- Substitutes double cables on Code 0 luff

TORQUE PRO		
CORE MATERIAL	VECTRAN® + PU TREATMENT	
COVER MATERIAL	H.T. ANTI TWIST POLYESTER	
Ø	BREAKING LOAD	WEIGHT
[mm]	[kg]	[g/m]
6	1.121	38,00
7	1.835	52,00
9	3.568	65,00
11	5.607	100,00
13	9.174	120,00
16	14.271	190,00
18	17.125	250,00

STRETCH % AT MAX WORKING LOAD									
Ø	B.L.	M.W.L.	500 daN	800 daN	1500 daN	2500 daN	4000 daN	6000 daN	7500 daN
[mm]	daN	[daN]							
6	1.100	500	1,00%						
7	1.800	800	0,90%	1,20%					
9	3.500	1.500	0,70%	0,80%	1,30%				
11	5.500	2.500	0,60%	0,70%	1,00	1,40%			
13	9.000	4.000	0,50%	0,55%	0,80	1,10%	1,60%		
16	14.000	6.000	0,45%	0,50%	0,70	0,90%	1,40%	1,70%	
18	16.800	7.500	0,40%	0,40%	0,60	0,80%	1,20%	1,50%	1,80%

DYNEEMA® PROTECTION COVERS

COLOUR	WHITE	BLACK	GREY
Ø	WEIGHT	WEIGHT	WEIGHT
[mm]	[g/m]	[g/m]	[g/m]
7	8,3	9,2	9,2
8	13,4	14,7	14,7
9	15,0	16,6	16,6
10	16,7	18,4	18,4
12	20,2	22,2	22,2
14	31,3	34,4	34,4
16	35,4	39,0	39,0
18	39,5	43,5	43,5
20	66,0	69,8	69,8
24	103,50	109,71	109,71
28	143,50	152,11	152,11
32	180,00	190,80	190,80

WE CAN SUPPLY DIAMETERS UP TO 52mm



DYN SEWING THREAD

MATERIAL	100% DYNEEMA®	
Ø	BREAKING LOAD	ROLL LENGTH
[mm]	[kg]	[m]
0,3	19	300
0,4	50	300
0,6	70	300
0,8	100	300
1,0	140	300
1,5	230	300



DYNEEMA® WEBBINGS

(AVAILABLE IN WHITE, GREY OR BLACK)

CORE MATERIAL	WIDTH [mm]																								
	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	
THICKNESS [mm]	1	0,9	1,2	1,5	1,7	2	2,3	2,5	2,8	3,1	3,3	3,6	3,8	4,1	4,3	4,6	4,8	5,1	5,3	5,5	5,7	6	6,2	6,4	6,6
	1,2	1	1,4	1,7	2,1	2,4	2,7	3	3,4	3,7	4	4,3	4,6	4,9	5,2	5,5	5,7	6	6,3	6,6	6,8	7,1	7,4	7,6	7,9
	1,4	1,2	1,6	2	2,4	2,8	3,2	3,5	3,9	4,3	4,6	5	5,3	5,7	6	6,3	6,7	7	7,3	7,6	7,9	8,2	8,5	8,8	9,1
	1,6	1,4	1,8	2,3	2,7	3,2	3,6	4	4,4	4,8	5,2	5,7	6	6,4	6,8	7,2	7,6	7,9	8,3	8,7	9	9,4	9,7	10	10,4
	1,8	1,5	2	2,6	3	3,5	4	4,5	5	5,4	5,9	6,3	6,8	7,2	7,6	8,1	8,5	8,9	9,3	9,7	10,1	10,5	10,9	11,2	11,6
	2	1,7	2,3	2,8	3,4	3,9	4,4	5	5,5	6	6,5	7	7,5	8	8,4	8,9	9,4	9,8	10,3	10,7	11,2	11,6	12	12,4	12,8
	2,2	1,9	2,5	3,1	3,7	4,3	4,8	5,4	6	6,5	7,1	7,6	8,2	8,7	9,2	9,7	10,2	10,7	11,2	11,7	12,2	12,7	13,1	13,6	14
	2,4	2	2,7	3,3	4	4,6	5,3	5,9	6,5	7,1	7,7	8,3	8,9	9,4	10	10,6	11,1	11,7	12,2	12,7	13,2	13,7	14,2	14,7	15,2
	2,6	2,2	2,9	3,6	4,3	5	5,7	6,3	7	7,6	8,3	8,9	9,6	10,2	10,8	11,4	12	12,6	13,1	13,7	14,2	14,8	15,3	15,9	16,4
	2,8	2,3	3,1	3,9	4,6	5,3	6,1	6,8	7,5	8,2	8,9	9,6	10,2	10,9	11,5	12,2	12,8	13,4	14,1	14,7	15,3	15,8	16,4	17	17,5
	3	2,5	3,3	4,1	4,9	5,7	6,5	7,2	8	8,7	9,5	10,2	10,9	11,6	12,3	13	13,7	14,3	15	15,6	16,3	16,9	17,5	18,1	18,7
	3,2	2,6	3,5	4,4	5,2	6	6,9	7,7	8,5	9,3	10	10,8	11,6	12,3	13	13,8	14,5	15,2	15,9	16,6	17,2	17,9	18,6	19,2	19,8
	3,4	2,8	3,7	4,6	5,5	6,4	7,2	8,1	8,9	9,8	10,6	11,4	12,2	13	13,8	14,5	15,3	16	16,8	17,5	18,2	18,9	19,6	20,3	20,9
	3,6	2,9	3,9	4,8	5,8	6,7	7,6	8,5	9,4	10,3	11,2	12	12,8	13,7	14,5	15,3	16,1	16,9	17,7	18,4	19,2	19,9	20,6	21,3	22
	3,8	3,1	4,1	5,1	6,1	7	8	8,9	9,9	10,8	11,7	12,6	13,5	14,4	15,2	16,1	16,9	17,7	18,5	19,3	20,1	20,9	21,6	22,4	23,1
	4	3,2	4,3	5,3	6,4	7,4	8,4	9,4	10,3	11,3	12,2	13,2	14,1	15	15,9	16,8	17,7	18,5	19,4	20,2	21	21,8	22,6	23,4	24,2
	4,2	3,3	4,4	5,6	6,6	7,7	8,7	9,8	10,8	11,8	12,8	13,8	14,7	15,7	16,6	17,5	18,4	19,3	20,2	21,1	22	22,8	23,6	24,5	25,3
	4,4	3,5	4,6	5,8	6,9	8	9,1	10,2	11,2	12,3	13,3	14,3	15,3	16,3	17,3	18,3	19,2	20,1	21,1	22	22,9	23,7	24,6	25,5	26,3
	4,6	3,6	4,8	6	7,2	8,3	9,4	10,6	11,7	12,8	13,8	14,9	15,9	17	18	19	20	20,9	21,9	22,8	23,8	24,7	25,6	26,5	27,3
	4,8	3,7	5	6,2	7,4	8,6	9,8	11	12,1	13,2	14,3	15,4	16,5	17,6	18,6	19,7	20,7	21,7	22,7	23,7	24,6	25,6	26,5	27,4	28,3
	5	3,9	5,2	6,5	7,7	8,9	10,1	11,3	12,5	13,7	14,8	16	17,1	18,2	19,3	20,4	21,4	22,5	23,5	24,5	25,5	26,5	27,5	28,4	29,3
	5,2	4	5,3	6,7	8	9,2	10,5	11,7	12,9	14,2	15,3	16,5	17,7	18,8	19,9	21,1	22,1	23,2	24,3	25,3	26,4	27,4	28,4	29,4	30,3
	5,4	4,1	5,5	6,9	8,2	9,5	10,8	12,1	13,4	14,6	15,8	17	18,2	19,4	20,6	21,7	22,9	24	25,1	26,1	27,2	28,3	29,3	30,3	31,3
	5,6	4,3	5,7	7,1	8,5	9,8	11,2	12,5	13,8	15,1	16,3	17,6	18,8	20	21,2	22,4	23,6	24,7	25,8	26,9	8	29,1	30,2	31,2	32,3
5,8	4,4	5,8	7,3	8,7	10,1	11,5	12,8	14,2	15,5	16,8	18,1	19,3	20,6	21,8	23	24,2	25,4	26,6	27,7	28,9	30	31,1	32,1	32,2	
6	4,5	6	7,5	9	10,4	11,8	13,2	14,6	15,9	17,3	18,6	19,9	21,2	22,4	23,7	24,9	26,1	27,3	28,5	29,7	30,8	31,9	33	34,1	

TECHNICAL DATA

Material	Dyneema® SK75
Elongation at break	4,5%
Density	0,96 g/cm ³
Max. short term working temperature	65° C
Creep at 22° C static 20% load	0,011% per day

SOFT SHACKLES

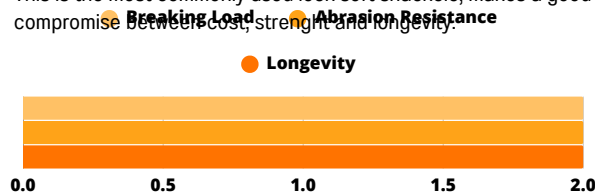
Our Soft Shackles are made without the use of any metal at all, but built from DYNEEMA® SK99 instead. They can be used to substitute any opening metal hook or shackle, they are safe, strong and substantially lighter than their metal-made counterparts (approximately 6 times lighter).

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)

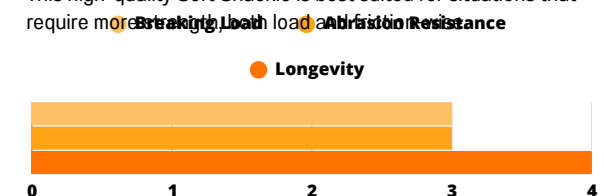
This is the most commonly used lock soft shackle, makes a good compromise between cost, strength and longevity.



Construction: Dyneema® braided core
Material: Dyneema®sk99

Dyneema® Covered Soft Shackle - 1 Lap

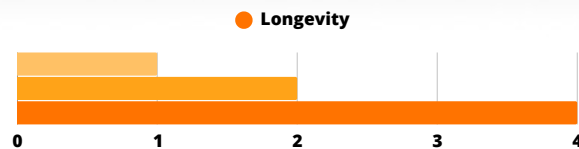
This high-quality Soft Shackle is best suited for situations that require more strength, both load and abrasion resistance.



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

Super-light Soft Shackle (No Core)

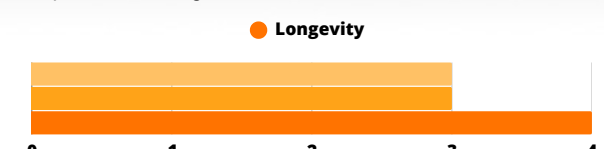
Best suited for breaking loads with Abrasion Resistance.



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, both load and abrasion-wise.



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 Silgle Lap	SS-08	SS-12	SS-16	SS-20							
Covered Silgle 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	

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.

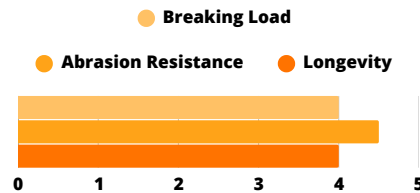
All loops and strops are available in different sizes and MWL.

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

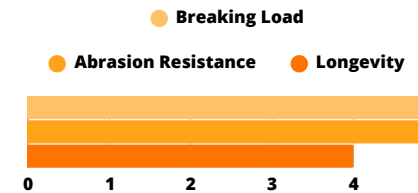
Strong, resistant, aesthetically clean and durable.



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.

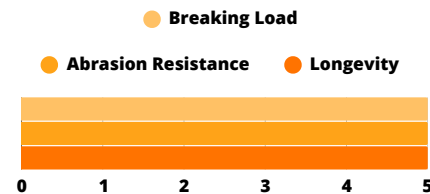


Construction: Dyneema® unidirectional core and Dyneema® braided cover
Material: Dyneema®sk99 UD



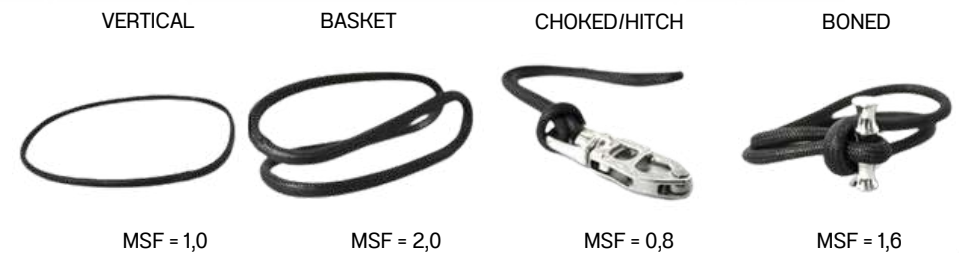
Offshore Loop with Dog-Bone

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

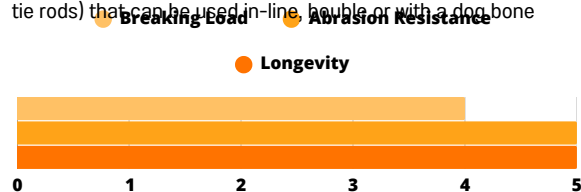
HOW CAN USE MY LOOPS & STROPS





Traditional single stop

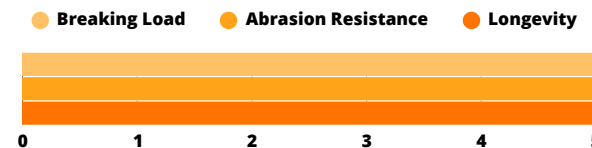
A strong & versatile fitting (for forestay stop, lock system, extension, tie rods) that can be used in-line, double or with a dog bone



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 stops

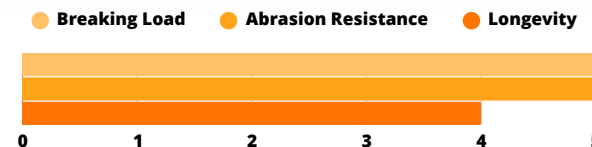
We have specifically designed and manufactured a diverse range of high-load strops and loops for the mega-yacht industry.



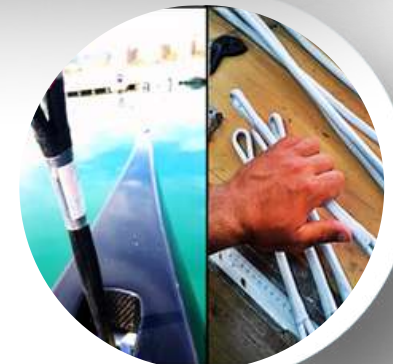
Construction: Dyneema® braided core and cover
Material: Dyneema®SK78, Dyneema®sk99

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.

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 - 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.

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]
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

FERRULES / FRICTION RINGS

Material: Alluminium

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.



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

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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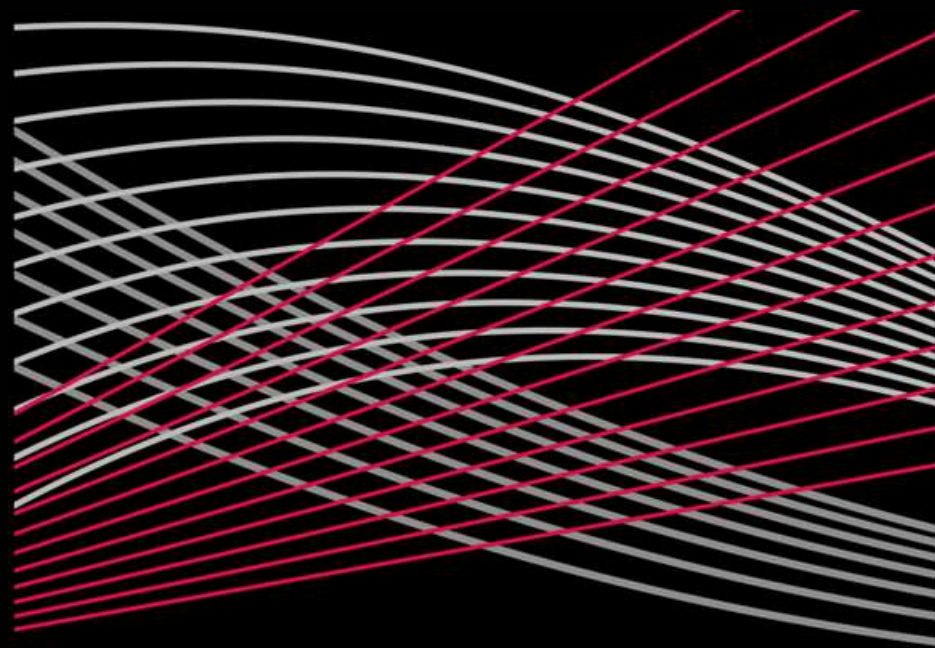
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