



ST ROPE

TOWING SOLUTIONS



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WELCOME TO THE SYNTHETIC FIBRES WORLD



SOLUZIONI TESSILI ROPE is operating in the synthetic fibres world for more than 20 years now.

We started our activity focusing on GP race sails yachts, where the **quality of materials** used and the **level of finishing** of the running rigging equipment must be at **top level**, this in order to guarantee **durability and the best performance** of ropes under heavy stress conditions.

With this concept clearly in mind we moved years ago in the **maritime sector**, with the idea of bringing our experience and our **passion for quality** also in this world.



Towing, especially, is one of the most technical application and requires a particular attention to the selection of the correct towing configuration and the materials to be used.

There are many factors that influence this choice, such as the type of tugboat and its Bollard Pull, the dimensions of the towed vessels, the operating field (including maneuvering spaces and sea conditions) and, last but not least, the experience of the masters and the way they are used to work.

Indeed Tugboats' Captains are the people who best know the world in which they operate and, most of all, they know the ropes and the way each of them responds to the maneuvers.

That's why we believe that the direct contact with the crew on board is the key to understand the exact needs of each client and to proper supply the perfect towing line. Plus, the feedbacks we daily receive from the operators is fundamental to improve our products and implement new solutions.

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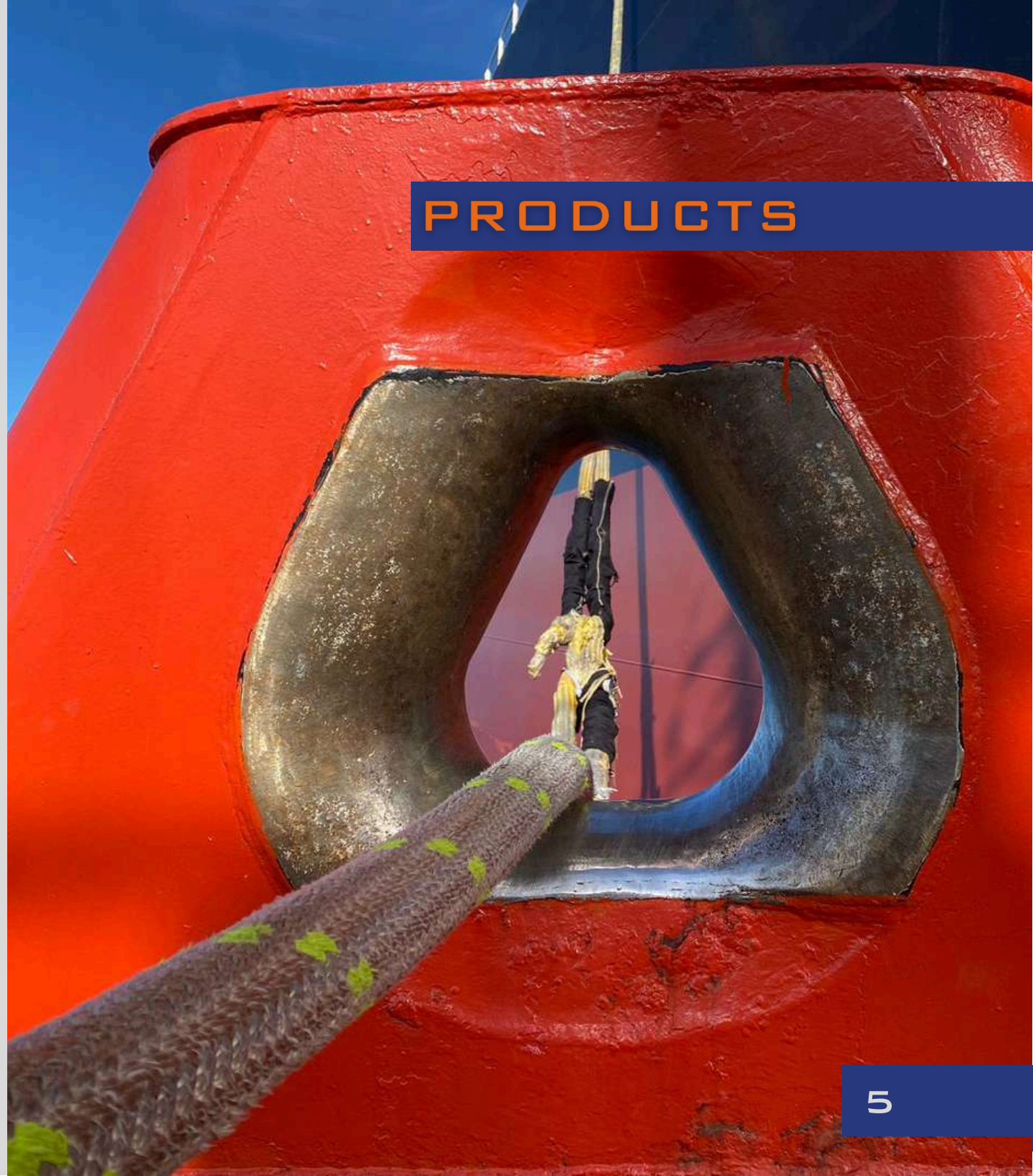
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PRODUCTS



ZENADYN

ZenaDyn is an ultra-high strength solution made from Trevo® yarns, an HMPE fibre produced by DSM.

Our **ZenaDyn** ropes are produced in a 12 strands construction and, at the same diameter, are stronger than steel and much lighter than it (up to 8 times).

It is specifically developed for the maritime industry in order to meet the need for light but strong ropes in a cost driven environment.

Our **ZenaDyn** is particularly indicated for the use as Main Line and Pennant in the Towing market. Its low elongation gives a confident feeling to the operator, with an immediate answer to the maneuver.

Thanks to its floating structure and its high breaking load **ZenaDyn** allows to reduce the diameter and the total weight of the line. This means less operators for the handling and more safety during the operations.

On request the cable can be supplied with HMPE or PES cover for a further protection against chafing and accidental damages.

DIAM	CIRC.	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
36	41/2	720	72,00	1.104	112,7	994	101,4
40	5	880	88,00	1.340	136,6	1.206	123,0
42	51/4	979	97,90	1.472	150,1	1.325	135,1
44	51/2	1.078	107,80	1.604	163,5	1.443	147,2
46	5 3/4	1.171	117,10	1.713	174,7	1.542	157,2
48	6	1.264	126,40	1.823	185,9	1.641	167,3
50	6 1/4	1.388	138,80	1.988	202,7	1.789	182,4
52	6 1/2	1.512	151,20	2.153	219,5	1.937	197,6
54	6 3/4	1.636	163,60	2.318	236,3	2.086	212,7
56	7	1.760	176,00	2.482	253,1	2.234	227,8
58	7 1/4	1.885	188,50	2.647	269,9	2.382	242,9
60	7 1/2	2.010	201,00	2.779	283,4	2.501	255,1
62	7 3/4	2.135	213,50	2.937	299,5	2.643	269,6
64	8	2.260	226,00	3.094	315,5	2.785	284,0
66	8 1/4	2.423	242,30	3.328	339,4	2.995	305,4
68	8 1/2	2.585	258,5	3.498	356,7	3.148	321,0
70	8 3/4	2.748	274,80	3.734	380,8	3.361	342,7
72	9	2.910	291,0	3.900	397,7	3.510	357,9
74	9 1/4	3.065	306,50	4.083	416,3	3.674	374,7
76	9 1/2	3.220	322,00	4.306	439,0	3.875	395,1
78	9 3/4	3.375	337,50	4.447	453,5	4.003	408,2
80	10	3.530	353,00	4.668	476,0	4.201	428,4



Specific gravity

0,97



Melting point

144°C



Elongation at
50% of BL

2%



Water absorption

NO

ZENADYN + HMPE JACKET

DIAM	CIRC.	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
40	5	940	94,00	1.141	116,3	1.026	104,7
44	5 1/2	1.150	115,00	1.381	140,8	1.243	126,7
48	6	1.360	136,00	1.611	164,3	1.450	147,9
52	6 1/2	1.600	160,00	1.921	195,9	1.729	176,3
56	7	1.850	185,00	2.192	223,5	1.973	201,2
60	7 1/2	2.120	212,00	2.521	257,1	2.269	231,4
64	8	2.400	240,00	2.882	293,9	2.594	264,5
68	8 1/2	2.720	272,00	3.263	332,7	2.936	299,4
72	9	3.070	307,00	3.623	370,4	3.269	333,4
76	9 1/2	3.400	340,00	4.023	410,2	3.620	369,2
80	10	3.750	375,00	4.513	460,2	4.062	414,2
84	10 1/2	4.125	412,50	4.934	503,1	4.440	452,8
88	11	4.500	450,00	5.353	545,9	4.818	491,3
92	11 1/2	4.900	490,00	5.819	593,4	5.237	534,1
96	12	5.300	530,00	6.284	640,8	5.656	576,7

Our ZenaDyn 12 strands is also available with a complete **HMPE protection** that is braided all over the full length of the cable.

The particular construction of the jacket ensures a maximum protection against chafing and abrasion caused by the poor conditions of bollards and panama eyes of the towed vessels. The protective effect is also enhanced by the **PU coating** applied on the jacket, that significantly reduces the operating temperatures.

This combination is particularly indicated when the rope is intended as a pennant and is subjected to very high stress; our HMPE protective jacket is the perfect solution to elongate the lifespan of the cable and reduce the total cost per tow, keeping the floatability of the line.



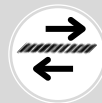
Specific gravity

0,97



Melting point

144°C



Elongation at
50% of BL

2%



Water absorption

NO



ZENADYN + PES JACKET

DIAM MM	CIRC. INCHES	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
40	5	1.058	105,80	1.141	116,3	1.026	104,7
44	5 1/2	1.290	129,00	1.381	140,8	1.243	126,7
48	6	1.562	156,20	1.611	164,3	1.450	147,9
52	6 1/2	1.854	185,40	1.921	195,9	1.729	176,3
56	7	2.181	218,10	2.192	223,5	1.973	201,2
60	7 1/2	2.546	254,60	2.521	257,1	2.269	231,4
64	8	2.834	283,40	2.882	293,9	2.594	264,5
68	8 1/2	3.206	320,60	3.263	332,7	2.936	299,4
72	9	3.621	362,10	3.623	370,4	3.269	333,4
76	9 1/2	4.085	408,50	4.023	410,2	3.620	369,2
80	10	4.541	454,10	4.513	460,2	4.062	414,2
84	10 1/2	5.007	500,70	4.934	503,1	4.440	452,8
88	11	5.495	549,50	5.353	545,9	4.818	491,3
92	11 1/2	6.020	602,00	5.819	593,4	5.237	534,1
96	12	6.557	655,70	6.284	640,8	5.656	576,7



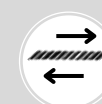
Specific gravity

1.0-1.1



Melting point

144°C/260°C



Elongation at
50% of BL

2%



Water absorption

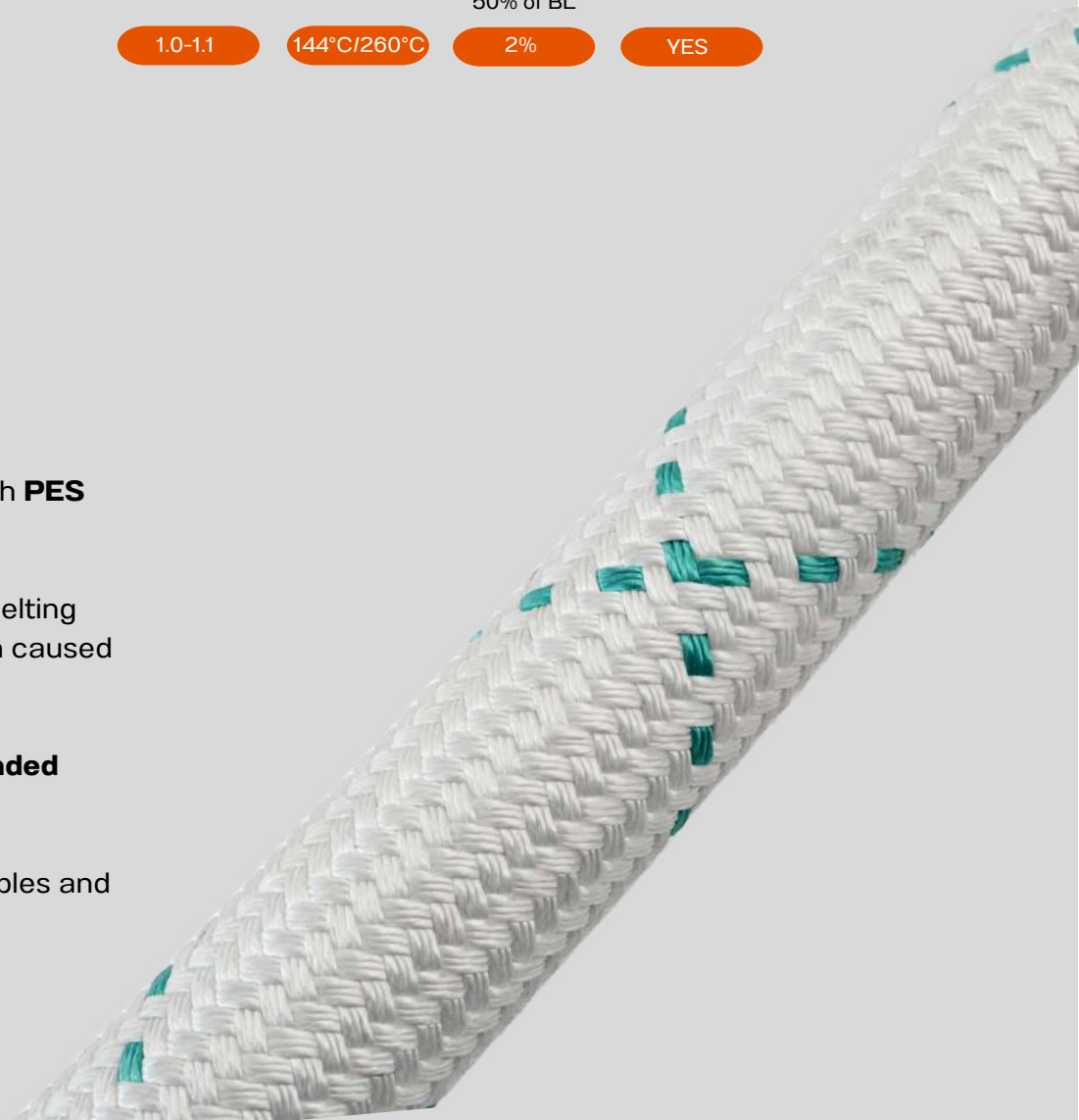
YES

Where the floatability of the line is not requested our ZenaDyn 12 strands with **PES jacket** can be a very good option.

The jacket can be braided all over the full length of the cable, and the high melting point of Polyester ensures a **great resistance against chafing and abrasion** caused by rusted fittings and sharp edges.

Furthermore, thanks to its protective jacket, our Zenayn always keep its **rounded shape** even when used on winch drums.

We always suggest to protect the line to ensure a **longer life cycle** of the cables and reduce the yearly cost for towing ropes.



ZENADYN DOUBLE TWISTED

DIAM MM	CIRC. INCHES	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
36	4 1/2	720	72,00	840	85,7	756	77,1
40	5	880	88,00	1.028	104,8	925	94,3
42	5 1/4	979	97,90	1.142	116,5	1.028	104,9
44	5 1/2	1.078	107,80	1.258	128,3	1.132	115,5
46	5 3/4	1.171	117,10	1.367	139,4	1.230	125,5
48	6	1.264	126,40	1.476	150,5	1.328	135,5
50	6 1/4	1.388	138,80	1.620	165,2	1.458	148,7
52	6 1/2	1.512	151,20	1.765	180,0	1.589	162,0
54	6 3/4	1.636	163,60	1.910	194,8	1.719	175,3
56	7	1.760	176,00	2.055	209,5	1.849	188,6
58	7 1/4	1.885	188,50	2.201	224,4	1.981	202,0
60	7 1/2	2.010	201,00	2.347	239,3	2.112	215,4
62	7 3/4	2.135	213,50	2.493	254,2	2.244	228,8
64	8	2.260	226,00	2.638	269,0	2.374	242,1
66	8 1/4	2.423	242,30	2.829	288,5	2.546	259,7
68	8 1/2	2.585	258,5	3.018	307,7	2.716	276,9
70	8 3/4	2.748	274,80	3.208	327,1	2.887	294,4
72	9	2.910	291,0	3.397	346,4	3.057	311,8
74	9 1/4	3.065	306,50	3.578	364,9	3.221	328,4
76	9 1/2	3.220	322,00	3.759	383,3	3.383	345,0
78	9 3/4	3.375	337,50	3.940	401,8	3.546	361,6
80	10	3.530	353,00	4.121	420,2	3.709	378,2



Specific gravity

0,97



Melting point

144°C



Elongation at
50% of BL

3%



Water absorption

NO



Our ZenaDyn Double Twisted, entirely made from Trevo® fibres, has been specifically studied for towing applications to offer an unjacketed rope with superior efficiency.

Its twisted construction at a yarn level ensures a better performance of the rope against both external chafing and inner abrasion (yarn to yarn). The higher number of twists allow for a slightly higher elongation (if compared to a standard construction), reduces the stiffness of the cable and increases its longevity. In addition, the PU coating applied on the full length reduces the operating temperatures due to heavy stress conditions.

Last but not least the unjacketed construction make the cable always easy to inspect and to be repaired in case of accidental breakage.





ZENAPOWER TREVO

Our **ZenaPower** rope is made in a totally new and most advanced construction, in which each strand of the rope is composed by straight fibres that are then covered by a high tech braided jacket.

That means **excellent abrasion resistance** and **maximum fibre strength** utilization.

This special construction make our **ZenaPower** the perfect solution as Main Line or Pennant for the tug market.

DIAM MM	CIRC INCHES	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
38	4 3/4	835	83,50	1.020	104,0	918	93,6
40	5	925	92,50	1.138	116,0	1.024	104,4
45	5 5/8	1.140	114,00	1.412	144,0	1.271	129,6
50	6 1/4	1.380	138,00	1.706	174,0	1.536	156,6
55	6 7/8	1.625	162,50	2.010	205,0	1.809	184,5
60	7 1/2	1.910	191,00	2.363	241,0	2.127	216,9
65	8 1/8	2.270	227,00	2.785	284,0	2.507	255,6
70	8 3/4	2.625	262,50	3.138	320,0	2.824	288,0
75	9 3/8	3.005	300,50	3.599	367,0	3.239	330,3
80	10	3.580	358,00	4.305	439,0	3.875	395,1

			
Specific gravity	Melting point	Elongation at 50% of BL	Water absorption
0,97	144°C/152°C	2%	NO



The **Trevo®** version of **ZenaPower** is entirely made by the same HMPE fibre produced by DSM (both core and jacket).

The parallel fibres and the special cover are then fully covered with PU resin in order to reduce operating temperatures and to enhance the resistance of the cable against abrasion and chafing. This also means a longer life span of the cable and a significant reduction of the annual costs.

This, together with the high Breaking Load and the low elongation (2% at 50% of MBL) make our **ZenaPower** one of the best solutions you can find on the market, representing an excellent alternative to standard covered ropes.

Indeed its 12 strand (covered) structure make the rope easier to be spliced (also by the crew in case of necessity on board), easy to be inspected in any moment, and it assures that the rope remains extremely handy and soft even after a long life cycle under rough conditions of use.

ZENAPOWER PES

ZenaPower can also be entirely produced with **High Tenacity Polyester** fibres.

This innovative structure is composed by 12 strands, each of which has a parallel core that is then overbraided with a special jacket made in the same material (PES HT).

With a higher elongation than Trevo, this solution is perfect for towing applications when you need an extra strong cable that can also assure you more stretch on the line.

The jacket protecting each strand is then coated with PU resin, giving extra protection against chafing, lowering the external temperature and helping keep the round shape of the cable, even when coiled on the drums.

ZenaPower PES is a great alternative to common PES HT cables. It combines the advantages of a parallel core construction (high MBL with small diameters) with those of a 12 strands rope (easy to splice, to inspect and to repair), all of this ensuring an unprecedented protection against chafing and abrasion thanks to its high tech jacket.

DIAM MM	CIRC. INCHES	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
40	5	1.236	123,60	451	46,0	406	41,4
45	5 5/8	1.566	156,60	603	61,5	543	55,4
50	6 1/4	1.930	193,00	745	76,0	671	68,4
55	6 7/8	2.336	233,60	902	92,0	812	82,8
60	7 1/2	2.782	278,20	1.069	109,0	962	98,1
65	8 1/8	3.259	325,90	1.255	128,0	1.130	115,2
70	8 3/4	3.786	378,60	1.451	148,0	1.306	133,2
75	9 3/8	4.346	434,60	1.677	171,0	1.509	153,9
80	10	4.941	494,10	1.912	195,0	1.721	175,5
85	10 1/2	5.534	553,39	2.170	221,3	1.953	199,2
90	11 1/8	6.087	608,73	2.453	250,1	2.207	225,1
95	11 3/4	6.635	663,50	2.746	280,0	2.471	252,0
100	12 1/2	7.165	716,50	3.040	310,0	2.736	279,0



Specific gravity

1,38



Melting point

265°



Elongation at
50% of BL

10%



Water absorption

YES





SUPERTOW

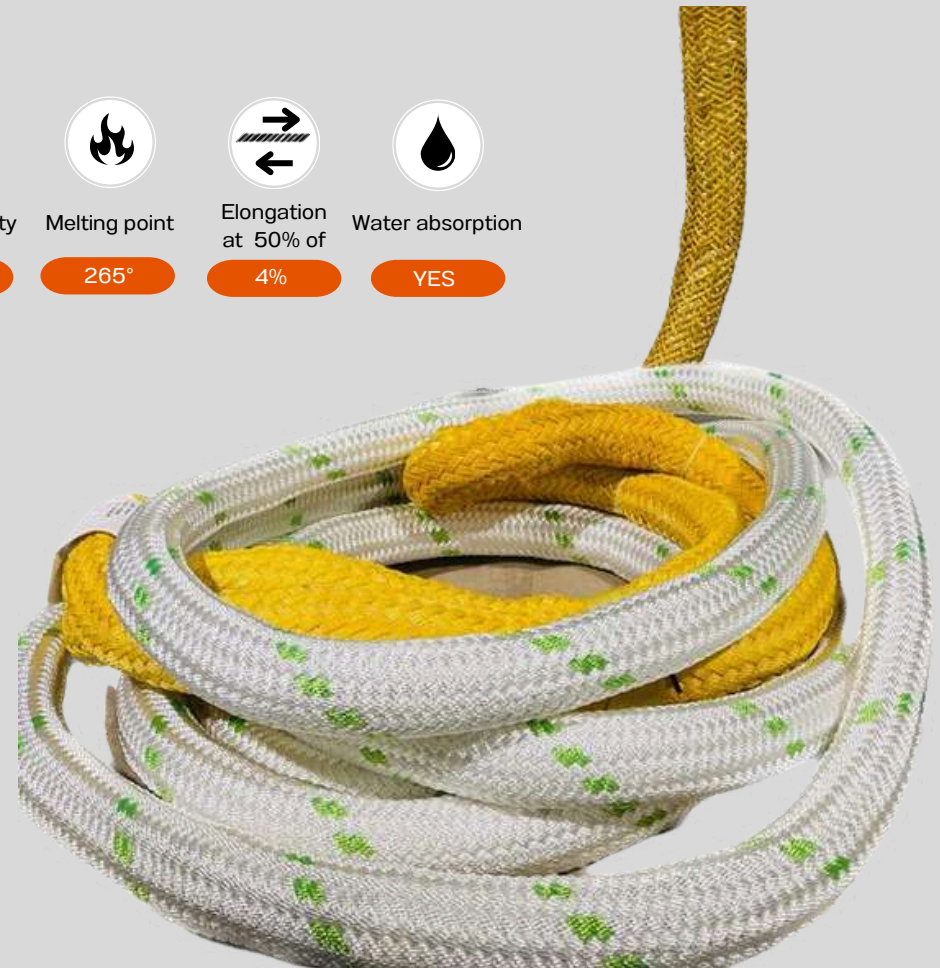
SUPERTOW is a cable that has been developed in cooperation with our partner **COTESI**, and is specifically designed for towing applications. Made entirely from **HT Polyester**, its construction of multi parallel cores maximizes rope breaking strength whilst the compact braided protective cover, comprise of several double twisted yarns, enhances life span by adding to the rope excellent abrasion resistance properties. Thanks to its perfectly balanced construction, even under stress conditions the core of **SUPERTOW** always works evenly with the jacket. This avoid the fibres to suffer from rubbing, meaning a longer life of the cable and a higher number of tows.

SUPERTOW is spliced with the new **CS3 splice** that maximizes rope **LDBF** (Line Design Breaking Force). Eyes are customized to customer needs and are always protected with coated **Pro-tech polyester** and cordura cover. **D-web** protection cover, made from **HMPE** fibres, can be added on the eyes and on the cable, increasing protection against chafing especially in particularly stressed areas.

DIAM MM	CIRC. INCHES	WEIGHT		LDBF	
		KTEX	KG/100M	KN	TONS
56	7	2.270	227,00	1.105	112,6
60	7 1/2	2.560	256,00	1.256	128,0
64	8	2.840	284,00	1.409	143,7
68	8 1/2	3.070	307,00	1.577	160,8
72	9	3.670	367,00	1.743	177,7
76	9 1/2	3.900	390,00	1.920	195,8
80	10	4.170	417,00	2.099	214,0
88	11	4.930	493,00	2.498	254,8
92	11 1/2	5.280	528,00	2.721	277,5
96	12	5.600	560,00	2.920	297,8
104	13	6.620	662,00	3.432	349,9
112	14	7.880	788,00	4.054	413,4

Indicated breaking loads do not include any reduction in case of a rope with eye-spliced terminations.

			
Specific gravity	Melting point	Elongation at 50% of	Water absorption
1,38	265°	4%	YES



ZENAMIX SINKING

ZenaMix is a special composite rope that mixes yarns from high tenacity polyester with high tenacity polyolefin.

The combination assures equal strength in both wet and dry conditions. This, together with the rope construction, assure flexibility and good handling, always guaranteeing that the rope maintains its rounded shape even under heavy stress conditions.

The high percentage of **PES HT** used in the mix make the cable non-floating (1,1 gravity weight) and always provide a very good resistance to abrasion and UV.

ZenaMix is a very good and cheap solution for all those towing applications where you need some stretch on the line and where there is no need for high tech cables.

DIAM MM	CIRC. INCHES	WEIGHT		MBL		LDBF	
		KTEX	KG/100M	KN	TONS	KN	TONS
60	7 1/2	2.105	210,48	858	87,5	766	78,1
64	8	2.372	237,20	954	97,3	852	86,9
70	8 3/4	2.825	282,55	1.136	115,8	1.014	103,4
72	9	2.983	298,30	1.196	122,0	1.068	108,9
80	10	3.665	366,55	1.450	147,8	1.294	132,0
85	10 1/2	4.128	412,84	1.643	167,6	1.467	149,6
90	11 1/8	4.620	462,00	1.836	187,3	1.640	167,2
96	12	5.250	525,00	2.078	211,9	1.855	189,2
100	12 1/2	5.700	570,00	2.259	230,4	2.017	205,7
104	13	6.152	615,20	2.441	248,9	2.179	222,2
108	13 1/2	6.615	661,50	2.628	268,0	2.344	239,0
112	14	7.078	707,80	2.815	287,1	2.513	256,3
116	14 1/2	7.600	760,00	3.011	307,0	2.697	275,0
120	15	8.130	813,00	3.207	327,0	2.873	293,0



Specific gravity

1,10



Melting point

165°C/265°C



Elongation at
50% of BL

9%



Water absorption

YES



SOFT SHACKLES



Soft Shackles are born to replace the normal steel hardware and connections. They are used to connect two different lines and their lightness, together with their strength, allow to have huge advantages in terms of cost saving, weight and maneuverability, reducing the risk of injury for the operator.

Small sizes and low weight will result in a faster and easier connection, without sacrificing the reliability and the durability. With the Soft Shackle the operator can also set a calculated breaking force for the tow line configuration, setting it as the strongest part or as the calculated weak link.

All our **Soft Shackles** are made starting from **Trevo®**, an HMPE fibre produced by DSM, and are available in 1/2/3/4 laps with increasing breaking loads. Standard version of the shackles is always protected with **PES cover**, but **HMPE protection cover** is also available on request.

All the info regarding the **MBL** and the number of laps are sprayed on the surface of the cover to help the crew easily recognize the configuration, this for an easier and faster installation on board and to reduce the risk of mistakes.

Our Soft Shackles are always equipped with a tag including **NFC technology**, in which all the relevant info about the product are stored and can be checked in any moment by the operator by a simple scan with a phone.

SOFT SHACKLES

12 STRANDS HMPE SOFT SHACKLES

NUMBER OF LAPS	BASE ROPE		SOFT SHACKLES				
	DIAM (MM)	MBL (TONS)	MBL (TONS)	TOTAL WEIGHT (KG)	APPROX. DIAM. OF THE FINISHED SOFT SHACKLE (MM)	MIN. INTERNAL LENGTH WHEN IN USE (MM)	ITEM CODE
1 L	20	39,5	40	1,5	37	600	STSSH01L020
	22	45,9	46	2,0	41	600	STSSH01L022
	24	54,9	55	2,5	44	600	STSSH01L024
	26	62,2	62	3,0	48	600	STSSH01L026
	28	72,8	73	4,0	52	800	STSSH01L028
	30	81,8	82	4,5	56	800	STSSH01L030
	32	94,1	94	5,0	59	800	STSSH01L032
2 L	20	39,5	79	2,0	37	600	STSSH02L020
	22	45,9	92	2,5	41	600	STSSH02L022
	24	54,9	110	3,0	44	600	STSSH02L024
	26	62,2	124	3,5	48	600	STSSH02L026
	28	72,8	146	5	52	800	STSSH02L028
	30	81,8	164	5,5	56	800	STSSH02L030
	32	94,1	188	6	59	800	STSSH02L032
3 L	20	39,5	119	2,5	37	600	STSSH03L020
	22	45,9	138	3,0	41	600	STSSH03L022
	24	54,9	165	4,0	44	600	STSSH03L024
	26	62,2	186	4,5	48	600	STSSH03L026
	28	72,8	218	6,5	52	800	STSSH03L028
	30	81,8	245	7,5	56	800	STSSH03L030
	32	94,1	282	8,5	59	800	STSSH03L032
4 L	20	39,5	158	3,5	37	600	STSSH04L020
	22	45,9	184	4,0	41	600	STSSH04L022
	24	54,9	220	5,0	44	600	STSSH04L024
	26	62,2	249	6,0	48	600	STSSH04L026
	28	72,8	291	8,0	52	800	STSSH04L028
	30	81,8	327	10,0	56	800	STSSH04L030
	32	94,1	376	11,5	59	800	STSSH04L032

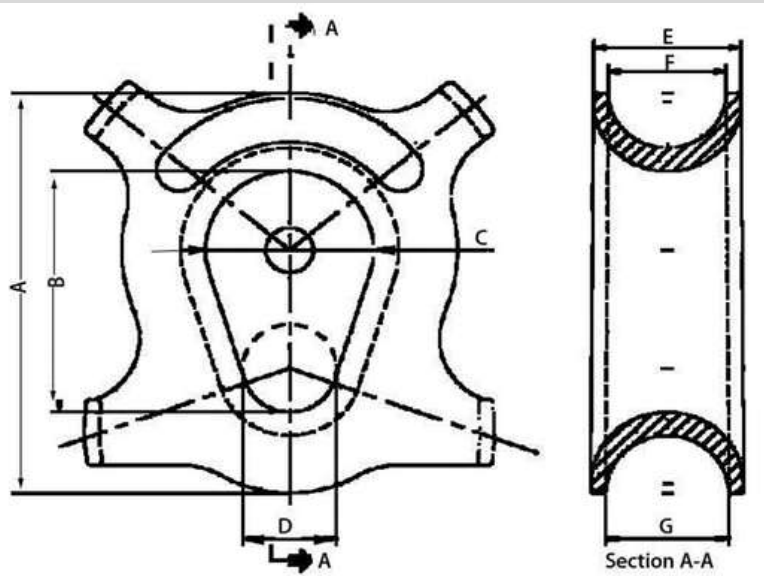
- MBL are theoretical and based on a D/d ratio of 3.5 between the bend diameter and the Base Rope diameter.
- Indicated weights of final product are approximated and subject to variations
- Standard version is supplied with PES jacket. HMPE cover is also available on request.
- Minimum internal length of the finished Soft Shackle (when closed) can be customized on Client's request.



ACCESSORIES

SQUARE THIMBLES

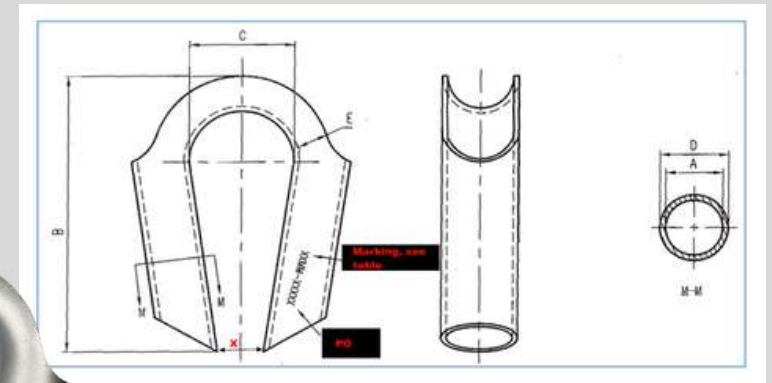
ROPE DIA MM	A MM	B MM	C MM	D MM	E MM	F MM	G MM	KG/EA
32/40	196	127	85	42	57	46	50	2.25
44	205	140	86	42	64	52	54	3.4
48/56	247	149	92	44	85	70	76	5.3
64	274.5	159	102	54	95	76	79	7.9
72	316	194	120	68	102	83	89	12.25
80	349	217.5	127	70	108	89	98	14.45
88/96	403.5	241	156	86	114	114	117	26.4
112	477.5	280	184	104	170	145	145	30



ACCESSORIES

TUBULAR THIMBLES

SIZE	CODE	A	B	C	D	E	X	KG
48MM	G265	65	312	88	79	31	22	5,81
56MM	G275	75	350	94	90	32	22	8,28
64MM	G285	88	450	130	108	45	25	17,19
72MM	G295	94	500	150	114	50	25	20,51
80MM	G2105	107	550	190	127	55	25	26,00



LASH BOBBINS



SPECS AVAILARLE ON REQUEST



CONFIGURATIONS

MAIN LINE

PENNANT



HMPE (ZENADYN,ZENAPOWER TREVO)

PES (ZENAPOWER PES, SUPERTOW)



HMPE (ZENADYN,ZENAPOWER TREVO)

HMPE (ZENADYN,ZENAPOWER TREVO)



PES (ZENAPOWER PES, SUPERTOW)

PES (ZENAPOWER PES, SUPERTOW)



PES (ZENAPOWER PES, SUPERTOW)

HMPE (ZENADYN,ZENAPOWER TREVO)



HMPE (ZENADYN,ZENAPOWER TREVO)

MIXED (ZENAMIX SINKING)

HMPE (ZENADYN,ZENAPOWER TREVO)

PROTECTIONS

D-WEB

Exclusively developed for SuperTow cables when an extra protection is required against chafing and abrasion. Entirely made in HMPE and then fully coated with PU resin, it can be placed on the eyes and on leg, covering the more stressed areas of the cable.



MIXED JACKET

This particular protection is represented by a jacket in mixed material (HMPE/PP or PES/PP) in which the twisted construction enhances its protective effect against chafing and abrasion.

It can be provided coated or uncoated and with different pitches basing on the final application.



PROTECTIONS

HMPE BRAIDED JACKET



A special jacket fully made in HMPE with a braided construction to offer the most effective protection against chafing and abrasion. Its strands flatten after the first uses and completely wrap the cable ensuring a longer service life.

Material is always coated with PU resin to improve its resistance and reduce operating temperatures.

VELCRO SLEEVES

A tubular protection to be placed, in case of necessity, on the more stressed areas of the cable. It can be made in two different version: 100% HMPE (PU coated) or 100% PES HT.

Thanks to the velcro closure they can be easily moved in any moment.



FINISHING AND SPLICING

When the ropes are subjected to heavy stress conditions, in particular when it comes to pennants, we always suggest to place extra protections on the eyes and on the leg to guarantee a longer service life and a better performance of your towing line.



Cover in the eyes:

For a basic protection a jacket can be placed only on the eyes of the rope, in order to avoid damages caused by the chafing on bollards and bitts.

In the picture an example of our Mixed jacket (PES/PP) spliced in the cable, this ensures that the jacket always stays in place.



Full covered:

For an extreme protection our ropes can be also supplied with the jacket on their full length.

Protection it is directly braided on the cable and it can be provided both in HMPE or PES, basing on the final application and the client's needs.

This solution will ensure a much longer lifespan of the cable.



Cover in the eyes and on the leg: in addition to the jacket on the eyes a further protection can be placed on the initial part of the leg. Especially when it comes to pennants, this ensures that the most stressed areas are always protected.

Our HMPE braided jacket is the perfect solution for this type of applications. In the picture you can see the "tongue" finishing that allows to have a smoother surface and remove all the whipping/lashing, reducing the chances that the jacket get stuck during operations and ensuring that it always stays in place.



Thanks to our experienced guys we can make all the necessary works internally, including designing, splicing, fine tuning and finishing operations on all types of ropes, materials and constructions.

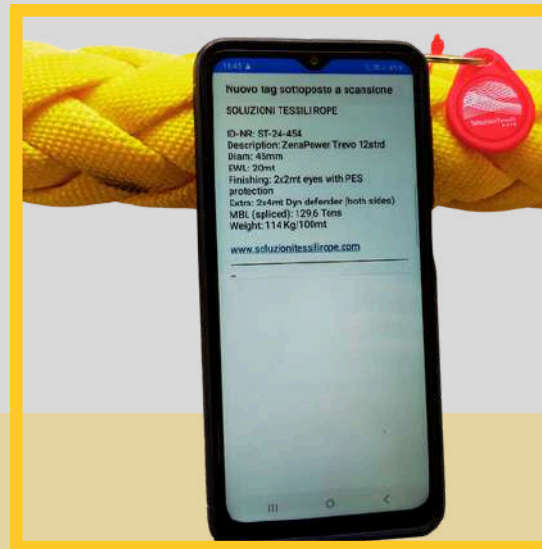




ROPE TRACEABILITY

Identifying and keep track of your ropes is essential for their safe use, especially in those technical markets such as towing. All our cables come with a plastic label reporting the ID-NR of the coil and all the main info, and with a tag including NFC technology. With a simple scan by means of any IOS or Android phone you can check at any time all the relevant info related to your rope.

On our website the client can access to his private area where he can consult the list of all the cables we supplied, identified by ID-NR. Here you can check all the rope details, download the certificates and edit additional fields such as the date of installation on board, the Tug name, and any other info that can help you with your Line Management Plan.



CERTIFICATIONS AND PARTNERS

SOLUZIONI TESSILI ROPE is committed to the highest level of quality.

We work with some of the largest ropes manufacturers from both Europe and Asia, and all our partners are certified company that have been approved by the most famous classification societies.

Safety regulation in the maritime market are becoming more and more restrictive and we want to guarantee the customer the best possible offer from a documentary point of view.

In this direction, all our towing ropes (including our Soft Shackles that we produce internally) always come with a IACS certification that can be issued on the specific production batch by one of the main registers (RINA, DNV, LR, BV, etc).



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ST  **ROPE**