

MARINE AND YACHTING

2015

armare[®]
ropes

MARINE AND YACHTING

2015

“ARMARE” MEANS “TO PROVIDE A SHIP WITH ALL IT NEEDS TO NAVIGATE” OR “TO EQUIPE A SAILING VESSEL”. SO, WE FIND THE VISION OF THE COMPANY IN THE MEANING OF THE NAME, EXTENDED TO WHAT THE COMPANY CAN NOW OFFER TO ITS CUSTOMERS. THE BRAND ARMARE REPRESENTS NOWADAYS THE CONTINUATION OF A LONG FAMILY TRADITION, WHOSE KNOWLEDGE HAS BEEN HANDED ON FROM FATHER TO SON. OVER TWO HUNDRED YEARS OF HISTORY IN THE PRODUCTION OF ROPES, SET ARMARE AMONG THE LEADING COMPANIES IN THE SECTOR OF NAUTICAL ROPES, OFFERING A COMPREHENSIVE RANGE OF TECHNOLOGICALLY ADVANCED PRODUCTS.

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MARINE & YACHTING
CATALOGUE
-
2015

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INTRO

ARMARE BELIEVES IN SUSTAINABLE DEVELOPMENT. WE MUST NEVER FORGET THAT IT IS FROM NATURE THAT WE TAKE THE RESOURCES FOR OUR LIVELIHOOD, NOT FROM INDUSTRY. SINCE ITS ESTABLISHMENT ARMARE HAS UNDERTAKEN A COMPANY POLICY OF RESPECT TOWARDS THE TERRITORY ON WHICH IT WAS BORN AND CONTINUES TO WORK, PROTECTING THE ENVIRONMENT, NOT ONLY AS FAR AS ITS INTERNAL OPERATIONS ARE CONCERNED, BUT ALSO CONSIDERING THE MATERIALS OF PRODUCTION, IN STRICT ACCORDANCE WITH THE NEWEST CONCEPTS OF ENVIRONMENTAL SUSTAINABILITY AND ENVIRONMENTAL FRIENDLINESS. ALL BUSINESS DECISIONS ARE MADE BY PLACING MORE ATTENTION TO THE CONCEPT OF SOCIAL RESPONSIBILITY. RESPECT FOR PEOPLE AND FOR THE ENVIRONMENT ENSURES RELIABILITY AND RESPONSIBILITY AND IS A SIGN OF THE HIGH-PROFILE OF ETHICS THAT ARMARE WISHES TO ESTABLISH. THE RECYCLING AVERAGE OF THE ARMARE PRODUCTION CHAIN IS GREATER THAN 96%.

A Look at the company, the history, the mission

Armare designs, manufactures and tests its products in Italy, in San Giorgio di Nogaro (Udine) - 4,000 m2 of twisting, stranding, braiding, special treatments, splicing, testing and hand finishing. The high level of the development of human resources, in the areas of production, technical research, administration, marketing and sales, allows the company to offer a product that the market recognizes as a leader within the highest sectors. One of the hallmarks of Armare, is the ability to personalise the already wide range of products, with custom finishes: this unique offer, allows all operators, designers, architects or end users to satisfy every possible need. Armare constantly attends the most important International Marine

Exhibitions and is always proposing new products. This reflects the fact that continuous innovation is written in its DNA. Armare products are currently distributed in Italy by some 200 highly specialized shipchandlers, covering the entire national territory. The vocation for internationality has led Armare to reach all the main European and overseas markets. Listening to the needs of its customers, and speaking to people who contact the company, allows Armare to meet expectations and demands, in the pursuit of constant improvement of the quality of the business. Growth is attained through respect of company values, identified in the way of being and acting, and is reflected in business relationships.



The wide range of Armare products includes technical solutions for both sailing and motor boats, but also cordage for any industrial application, sport, interior design or commercial fishing. According to the philosophy of Armare, ropes are, in addition to the technical function on vessels, also an integration to enrich them. Ropes play an important role for the safety of boats and of the people who use them. Aesthetics are also important, for the style, prestige and social position of the shipowner. Armare's main goal is a continuous improvement that arises in the carrying out of its activities: growth occurs when new goals are placed. Armare gives particular attention to market tendencies, and is able

to anticipate the preferences of its clients. Thanks to the know-how, the experience and the feedback from skippers and crews, Armare designs and studies new applications, as well as implementing the research on materials that are used to produce the ropes.



FIBERS

THE FULL UNDERSTANDING OF THE DISTINCTIVE CHARACTERISTICS OF THE DIFFERENT FIBERS, BOTH CONVENTIONAL AND TECHNICAL, IS CRUCIAL FOR THE CORRECT CHOICE OF A PRODUCT

Conventional basic fibers

Fibers most commonly used for the production of ropes:
POLYESTER = PET and POLYAMIDE = PA

Technical high performance fibers

Derived from the “aromatisation” of the basic fibers.
VECTRAN (LCP) is derived from Polyester (PET).
KEVLAR® and other ARAMID fibers such as TWARON® and TECHNORA are derived from Polyamide (PA).

Latest generation technical fibers

Two other fibers, completely different from each other in chemical composition and general technical characteristics, are today among the most important fibers. They are used for high performance applications. The acronyms that identify them are HMPE and PBO. The trade names are respectively Dyneema® and Zylon® respectively. The Dyneema® fiber, while maintaining constancy in its basic characteristics, offers a choice of performances, as it is available in four types: SK99, SK90, SK78, SK75.

COMPARATIVE TABLE OF THE PROPERTIES OF THE FIBERS USED BY ARMARE

NAME	MATERIAL	TENACITY	ELONGATION	SPECIFIC GRAVITY	ATMOSPHERIC AGENTS RESISTANCE	ABRASION RESISTANCE	FUSION TEMP.
		[cN/dTex]	[%]	[Kg/dm³]	[-]	[-]	[°C]
DYNEEMA® SK99	UHMW-PE	42,5	3,2	0,975	Excellent	Very good	147
DYNEEMA® SK90	UHMW-PE	39,5	3,5	0,975	Excellent	Very good	147
DYNEEMA® SK78	UHMW-PE	35,1	3,5	0,975	Excellent	Very good	147
DYNEEMA® SK75	UHMW-PE	35,1	3,5	0,975	Excellent	Very good	147
ZYLON®	PBO	37	2,5	1,56	Very poor	Little	660
KEVLAR® / TWARON®	ARAMID	20,8	2,4	1,44	Little	Poor	430
VECTRAN®	LCP	24,2	3,3	1,41	Poor	Little	330
TECHNORA®	ARAMID	22,3	4,0	1,39	Little	Poor	500
POLYESTER	PET	7,6	12,3	1,38	Good	Very good	260

TO LEARN MORE ABOUT THE DIFFERENT FIBERS

CONVENTIONAL BASIC FIBERS	TECHNICAL HIGH PERFORMANCE FIBERS	LATEST GENERATION TECHNICAL FIBERS
PET = POLYESTER DACRON® PET® TREVIRA® OTHERS	LCP VECTRAN®	UHMW-PE DYNEEMA® SPECTRA®
PA = POLYAMIDE NYLON® ENKALON® PERLON® OTHERS	ARAMID KEVLAR® KEVLAR®/TWARON® TECHNORA® NOMEX®	PBO ZYLON®

OPTING FOR A TECHNICAL FIBER OR EVALUATING THE USE OF A ROPE WITH HPS TREATMENT CAN PREVENT UNDESIRED LENGTHENING: STRECH, CREEP, MODULUS

Creep

It is the characteristic of the fiber with which the rope has been made. The fiber creeps when subjected to a constant load for a given time. The result is irreversible and is called “plastic elongation.” This deformation depends on the applied load, on the time which the load is maintained and on the temperature. The higher the temperature to which the line is subjected, the greater the elongation of the rope.

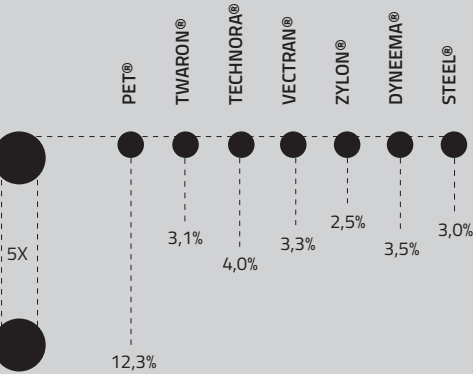
Elongation

The words “elongation” and “stretch” have the same meaning and indicate the phenomenon related to the fibers of a rope that, when subjected to tension, return to their original length when the tension is released. This phenomenon is called “reversible lengthening” or “elastic”. The elongation of the fiber is related to the specific “modulus” of the same and indicates how much resistance the fiber is able to oppose to elongation. The higher the value of the modulus, the lower the elongation.

Low elongation ropes

When a halyard or a sheet elongates, the sail loses its correct airfoil, so the boat cannot accelerate and fully exploit its power. Furthermore, the more elastic the rope, the more energy it absorbs. This energy is taken away from the sail: the loss of energy affects acceleration, especially in gusty conditions, with the result of a continuous need for adjustment of the rope / sail and with appreciable reductions of navigation performance.

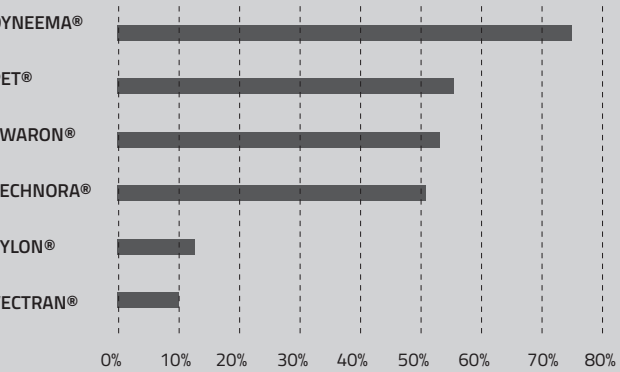
TECHNICAL FIBERS: ELONGATION AT BREAK



Syntetic fibers tested in accordance with ISO 2062

RESIDUAL STRENGTH OF TECHNICAL FIBERS

% of original tenacity after 336 hours of exposure to atmospheric agents



Simulation of aging according to standard ASTM G-155
Syntetic fibers tested in accordance with ISO 2062

HPS TREATMENT

THE ELONGATION OF A ROPE MADE WITH DYNEEMA® IS MINIMIZED THROUGH THIS TREATMENT CALLED HEAT PRESTRETCH SETTING WHICH IS IRREVERSIBLE. THE HEAT PRESTRETCH SYSTEM IS THE UNIQUE TREATMENT WHICH MINIMIZE THE ELONGATION OF A BRAID. IT MAKES THE ROPE COMPACT AND STABLE TO OBTAIN THE BEST PERFORMANCE FROM THE DYNEEMA® FIBER.

A braid with Dyneema® inside the infrared furnace, undergoing HPS treatment.

What is the HPS treatment

The Heat Prestretch Setting regulates the tensioning of the fibers that make up the rope and sets them in an optimal way, bringing them to a high-temperature and subjecting them to a constant load for a given time. The result is a rope with a very high specific modulus, without construction elongation and a higher Breaking Load if compared with non prestretched ones.

Ropes with the HPS treatment

As mentioned above, the advantages of this treatment are obvious. It is clear that the HPS treated rope is much more compact, less flexible and therefore also a few tenths of a millimeter thinner than a rope with the same non prestretched core. Therefore, when choosing a rope, we must carefully consider the technical level of our boat because, the higher the technical level of the selected rope, the higher and more appropriate the technical level of the deck equipment and of the crew should be.

For which rigging is the HPS treatment recommended?

It really depends on the type and on the technical level of the boat. In any case, the HPS treatment is to be preferred on halyards. In this application, the slightly higher stiffness of the ropes will not be a problem, as they are used much less than other lines. On high-level racing boats, almost all the running rigging is made with prestretched ropes. These prestretched ropes can, however, be composed of different fibres and can be made up with covers of different compositions.



Single braid Dyneema® without HPS treatment: the braid is soft and "airy".



The braid after the HPS treatment: the fibers are oriented and the rope is more rigid and compact.

Construction and colour composition of the ropes

Ropes, especially the technical ones, can be **single braid or double braid**.

In the first case, the fiber (typically Dyneema®) is left without cover. In the second case, the fiber is protected by a second layer (the cover) with protective functions, but also to make the rope more manageable and with a better grip. The color, or mix of colors of the sock can be chosen among the many available, following the indications on the composition, by taking into account the type of construction and the fiber.

SINGLE BRAID CONSTRUCTION



Some ropes, like Vec-Tec and Dyneforce have a single braid construction. They are very easy to splice.

DOUBLE BRAID CONSTRUCTION



This is the most widely used type of construction, with an internal braided core and a protective outer braid. They are medium-difficult to splice.

COLOURS OF THE TECHNICAL FIBERS

Dyneema®



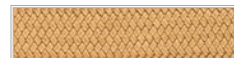
Vectran®



Kevlar®



Technora®



PBO-Zylon®

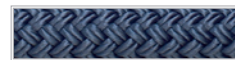


Black Technora®



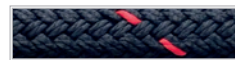
AVAILABLE COLOUR COMPOSITIONS FOR DOUBLE BRAID CONSTRUCTION ROPES

SOLID COLOUR



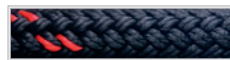
The cover is entirely manufactured with PET solid colour, to choose among standard and special colours.

FLECK 1



The cover is completely manufactured with PET solid colour, with one coloured fleck. Choose the base colour and the colour of the flecks among standard and special colours.

FLECK 2



The cover is completely manufactured with PET solid colour, with two coloured flecks. Choose the base colour and the colour of the flecks among standard and special colours.

MARKER



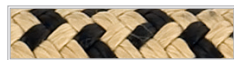
The cover is entirely manufactured with PET solid colour with coloured markers. Choose the base colour, the number and the colour of the markers, among standard and special colours.

MIX



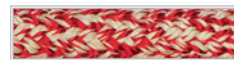
PET cover, composed of two distinct colours, but coupled in the construction. Standard: base grey with a second colour to choose between Azure, Red, Yellow, Green, Navy Blue. Custom: combination of two colours to choose among standard and special colours.

SNAKE



Cover made with two fibers (technical fiber + PET), with a final snake aspect. The technical fiber part (Kevlar®, PBO-Zylon®, Dyneema®) has the natural colour of the same. Polyester Colour to choose among standard and special colours.

MELANGE



Cover composed of two colours mixed together at random. It can be made with PET of different colours or two different fibers (eg technical fiber + PET). The technical fiber part has its natural colour. Polyester Colour to choose among standard and special colours.

MELANGE TECHNO



Cover consists of two technical fibers mixed together at random. The final result is a mixture of the two technical fibers in their natural colours, influenced only by the percentage of each of the technical fibers within the composition.

HANDCRAFTED FINISHES

Splices, lashings, taperings

Ropes often require some splicing or different finishes, depending on the intended use, whether on board a boat, for the use by a sail maker, for an industrial application or security. These special processes are carried out by Armare, either at our laboratory or directly on board: they are very accurate both technically and aesthetically.

Notes on splicing

For each type of construction of the lines, there is a different method of splicing (that means the creation of a loop on one or both ends of the line), designed to minimize the loss of Breaking Load which results from this process. An accurately constructed splice retains 80% to 90% of the Breaking Load of a brand new rope. An incorrect splice, can reduce the Breaking Load of a brand new rope by more than 60%; this means that the suggested working load of the rope is very closed to the Breaking Load. The same is true for knots that can halve the strength of the rope, as the fibers are strangled against each other, cutting themselves where the pressure is highest.

Guaranteed advantages with handcraft

- > *Maintainance of almost the overall load performance.*
- > *The immediate and practical final use of the rope.*
- > *The preparation for prolonged use, without further action (such as the “milking” of the sock, in order to eliminate the slacks created with use).*
- > *A pre-settling of the rope: splicing requires the application of a minimum traction load, that aligns the fibers and stretches them.*

AVAILABLE SPLICES

SINGLE BRAID



Eye splice single braid
CODE L01



Eye splice on stainless thimble
single braid / CODE L04



Splice on lash bobbin single braid
CODE L09

DOUBLE BRAID



Eye splice without cover double braid
CODE L02



Eye splice without cover on stainless thimble
double braid / CODE L05



Eye Splice without cover on lash bobbin
double braid / CODE L10



Eye splice with cover double braid
CODE L03



Eye splice with cover on stainless thimble
double braid / CODE L06



Eye Splice with cover on lash bobbin
double braid / CODE L11

AVAILABLE FINISHES



Tapering on double braid
CODE L07



Halyard spliced loop for mousing line
CODE L14



Splice on fender braid
custom rope for fenders / CODE L17



Dyneema® TIP on double braid
CODE L08



Halyard sewn loop for mousing line
CODE L15



Custom lazy jack
CODE L12



Whipping on rope end
CODE L16

SUPER YACHT LINE

CUSTOM MOORING LINES, SHEETS AND HALYARDS WHICH ARE MADE BY THE MOST ADVANCED FIBRES, TAPERED ON REQUEST AND A SPECIFIC CAPTIVE WINCH LINE, CONSTITUTE THE BIG RANGE OF PRODUCTS FOR SAIL AND MOTOR SUPER YACHTS. THE DIRECT COLLABORATION WITH THE MOST IMPORTANT SHIPYARDS AND THE MOST WELL-KNOWN RIGGERS OF SUPER YACHTS HAS ALLOWED ARMARE TO DEVELOP SPECIFIC ROPES THAT SATISFY THE GROWING TECHNICAL REQUIREMENTS, THANKS TO THEIR CUSTOMIZATION, AND TO CREATE A LINE THAT PERFECTLY CORRESPONDS TO THE TECHNICAL AND AESTHETIC CANONS REQUESTED FROM THE PROJECTS.

AVAILABLE CORES SUPER YACHT LINE

Dyneema® SK99 HPS + PU



The Dyneema® SK99 delivers the highest tenacity available in a light weight polymer fiber. It shows a 7% increase tenacity over SK90 and 20% over SK75 and SK78 and the modulus is 10% higher than SK90 and 35% higher than SK75 and SK78. This translates into thinner and lighter weight lines than other ropes, made with the same diameter, but with significantly increased strength. The result is a better performance from more compact running rigging and guarantee a lower stretch, better sail performance and boat response.

Dyneema® SK75 HPS + PU



Well known to all seafarers, professionals and non, Dyneema® SK75 has the following features: elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, resistance to cutting. The sum of all these characteristics is concentrated in this line of ropes making them versatile to many uses on all boats. Reliable, long lasting and high performance, thanks to high breaking loads and low elongation.

Dyneema® SK90 HPS + PU



The High Modulus fiber Dyneema® SK90 is the evolution of the SK78 and SK75 sister fibers. An increase of about 12% of the Breaking Load and a reduction of 20% in elongation has been obtained, thus maintaining light weight, low water absorption, high UV resistance, abrasion and cutting resistance and excellent flexibility. No Limits on the use of ropes with Dyneema® SK90, ideal for any race sail boat.

Captive SK78

It preserves high Breaking Loads and low elongation thanks to the use of high modulus fibres. Moreover, it holds the essential characteristics necessary to grant the good working of a Captive Winch System like flexibility, a steady shape, no sliding between core and cover, high abrasion resistance ad excellent behaviour between sliding and grip on drums. The choice can be done among six different covers, with diverse characteristics suitable for different types of winch and yachts.

Dyneema® SK78 HPS + PU



The High Modulus fibre, Dyneema SK78 has a better stability under constant loads, compared to Dyneema® SK75. Its principal characteristics are: low creep, elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, high resistance to cutting. Lines made with Dyneema SK78 are therefore destined to extreme performances, especially during highly demanding regattas, with permanent load is present.

AVAILABLE COVERS SUPER YACHT LINE

PBO PBO-Zylon®

Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/ load sheets.

PBO/DYN PBO / Dyneema®

The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.

PBO/PET PBO / PET

Good resistance to abarsion and heat with good control under load. Better identification of the line thanks to coloured Polyester. Tackles, sheets and runner backstays.

BTEC/PET Black Technora / PET

This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

BTEC/DYN Black Technora Dyneema®

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

BTEC/DYN/PET Black Technora Dyneema® / PET

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. The extraordinary smoothness makes simple the control and the release on winch, without influence on the grip.

KEV/PET Kevlar® / Polyester

High resistance to wear and tear with notable grip property. High identification of the line thanks to the colours available. Sheets and halyards.

PET Polyester

Indicated for multiple uses, as sheets, halyards and general running rigging, thanks to its good durability.

CRD/PET Cordura / PET

Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

SUPER YACHT LINE

DYNEEMA® SK99 + HPS + PU


Elevated Breaking Load
Minimal Elongation
Ultralight Weight

Highest Tenacity
Low Water Absorption
High UV Resistance

Good Flexibility
Ultimate Top Performance

Ø	DYNEFORCE 99 SINGLE BRAID		FOR ALL COVERS	PBO	PBO/ DYN	PBO/ PET	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
14	25.262	110,00	14.680	142,64	140,31	141,27	138,53	137,16	139,90
15	28.748	129,00	16.495	165,86	163,15	164,26	161,07	159,48	162,67
16	30.000	145,00	18.220	189,07	185,98	187,25	183,62	181,80	185,44
17	32.300	162,00	22.177	205,88	202,51	203,90	199,94	197,96	201,92
18	34.600	180,00	25.262	222,68	219,04	220,54	216,26	214,12	218,40
20	45.900	216,00	28.748	278,36	273,81	275,68	270,33	267,65	273,00
22	55.300	278,00	30.000	323,52	318,23	320,41	314,19	311,08	317,30
24	63.500	330,00	34.600	383,40	377,13	379,71	372,34	368,65	376,02
26	74.350	355,00	45.900	441,17	433,96	436,93	428,44	424,20	432,68
28	83.460	418,00	55.300	582,97	573,44	577,37	566,16	560,55	571,76
30	91.500	497,00	63.500	724,78	712,93	717,81	703,87	696,90	710,84
32	99.920	565,33	74.350	762,52	750,06	755,19	740,52	733,19	747,86
34	108.300	636,33	83.460	850,18	836,29	842,01	825,66	817,48	833,83
36	-	-	91.500	937,85	922,52	928,83	910,79	901,78	919,81
38	-	-	99.920	1.025,51	1.008,75	1.015,65	995,93	986,07	1.005,79
40	-	-	108.300	1.113,17	1.094,98	1.102,47	1081,06	1070,36	1.091,77

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>	 <div>100% SK99HPSPU COATED</div>
SK99 Single Braid	SK99 - PBO	SK99 - PBO / DYN	SK99 - PBO / PET	SK99 - BTEC / DYN	SK99 - BTEC / DYN / PET	SK99 - BTEC / PET
COVER Single braid without cover.	COVER PBO®.	COVER PBO® / Dyneema®.	COVER PBO® / Polyester.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.
PRODUCT CODE NA20	PRODUCT CODE NA20C56	PRODUCT CODE NA20C65	PRODUCT CODE NA20C66	PRODUCT CODE NA20C35	PRODUCT CODE NA20C85	PRODUCT CODE NA20C86
CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Elevated breaking load Minimal elongation Ultralight weight Highest tenacity Low water absorption High UV resistance Good flexibility Ultimate top performance Product available without cover or with protection cover.	FEATURES AND USE Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/load sheets.	FEATURES AND USE The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.	FEATURES AND USE Good resistance to abarsion and heat with good control under load. Better identification of the line thanks to coloured Polyester. Tackles, sheets and runner backstays.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.
STANDARD DIAMETERS From 14 to 34 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.
STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%
COLOURS	COLOURS Natural PBO.	COLOURS Melange Natural PBO / Dyneema®.	COLOURS Melange PBO® / Polyester to choose from:	COLOURS Melange Natural Black Technora / Dyneema®.	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:	COLOURS Melange Black Technora / Polyester to choose from:
<div>White</div> <div>Black</div> <div>Grey</div>	<div>Natural PBO</div>	<div>PBO / DYN</div>	<div>Black</div> <div>Yellow</div> <div>Red</div> <div>Green</div> <div>Light Blue</div>	<div>BTEC / DYN</div>	<div>Black</div> <div>Anthracite</div> <div>Silver Grey</div> <div>Light Blue</div> <div>Red</div> <div>Green</div> <div>Yellow</div> <div>Hemp</div>	<div>Black</div> <div>Anthracite</div> <div>Silver Grey</div> <div>Light Blue</div> <div>Red</div> <div>Green</div> <div>Yellow</div> <div>Hemp</div>

SUPER YACHT LINE

DYNEEMA® SK90 + HPS + PU


















































Elevated Breaking Load
Low Elongation
Light Weight

Low Water Absorption
High UV Resistance
Excellent Flexibility

Top Performances

Ø	DYNEFORCE 90 SINGLE BRAID		FOR ALL COVERS	PBO/ DYN	PBO/ PET	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
14	21.960	102,00	11.744	138,92	139,87	137,16	135,80	138,52	135,80
15	24.400	119,50	12.935	161,53	162,64	159,48	157,90	161,06	157,90
16	27.000	137,00	17.800	184,14	185,40	181,80	180,00	183,60	180,00
17	29.300	160,00	18.392	200,51	201,88	197,96	196,00	199,92	196,00
18	32.600	175,60	21.960	216,88	218,36	214,12	212,00	216,24	212,00
20	38.000	205,20	24.400	271,10	272,95	267,65	265,00	270,30	265,00
22	45.500	280,00	27.000	315,08	317,24	311,08	308,00	314,16	308,00
24	53.300	335,00	32.600	373,40	375,95	368,65	365,00	372,30	365,00
26	61.100	362,00	38.000	429,66	432,60	424,20	420,00	428,40	420,00
28	70.800	420,00	45.500	567,77	571,65	560,55	555,00	566,10	555,00
30	80.200	505,00	53.300	705,87	710,70	696,90	690,00	703,80	690,00
32	91.675	572,00	61.100	803,06	808,55	792,85	785,00	800,70	785,00
34	99.370	643,50	70.800	916,61	922,88	904,96	896,00	913,92	896,00
36	-	-	80.200	1.030,16	1.037,21	1017,07	1007,00	1.027,14	1007,00
38	-	-	91.675	1.143,71	1.151,54	1129,18	1118,00	1.140,36	1118,00
40	-	-	99.370	1.257,27	1.265,87	1241,29	1229,00	1.253,58	1229,00

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
SK90 Single Braid	SK90 - PBO / DYN	SK90 - PBO / PET	SK90 - BTEC / DYN	SK90 - BTEC / DYN / PET	SK90 - BTEC / PET	SK90 - PET
COVER Single braid without cover.	COVER PBO® / Dyneema®.	COVER PBO® / Polyester.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Polyester.
PRODUCT CODE NA59	PRODUCT CODE NA59C65	PRODUCT CODE NA59C66	PRODUCT CODE NA59C35	PRODUCT CODE NA59C85	PRODUCT CODE NA59C86	PRODUCT CODE NA59C71
CONSTRUCTION 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Elevated breaking load Low elongation Light weight Low water absorption High UV resistance Excellent flexibility Ideal where top performance is essential Product avalaible without cover or with protection cover.	FEATURES AND USE The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.	FEATURES AND USE Good resistance to abarsion and heat with good control under load. Better identification of the line thanks to coloured Polyester. Tackles, sheets and runner backstays.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE Indicated for multiple uses, as sheets, halyards and general running rigging, thanks to its good durability.
STANDARD DIAMETERS From 14 to 34 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.
STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%
COLOURS  White  Black  Grey	COLOURS Melange Natural PBO / Dyneema®.  PBO / DYN	COLOURS Melange PBO® / Polyester to choose from:  Black  Yellow  Red  Green  Light Blue	COLOURS Melange Natural Black Technora / Dyneema®.  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Black Technora / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS  White  Black  Anthracite  Silver Grey  Red  Blue Navy  Light Blue  Yellow  Hemp

SUPER YACHT LINE

DYNEEMA® SK78 + HPS + PU



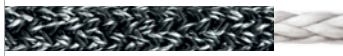


















































Low Creep
Elevated Breaking Load
Low Elongation

Light Weight
Low Water Absorption
High UV Resistance

Good Flexibility
High Chafe Resistance

Ø	DYNEFORCE 78 SINGLE BRAID		FOR ALL COVERS	PBO/ PET	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	CRD/ PET	PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
14	20.000	128,00	11.600	152,85	149,88	148,40	151,37	146,92	148,40
15	23.000	144,00	13.100	169,13	165,84	164,20	167,48	162,56	164,20
16	26.300	160,00	16.000	185,40	181,80	180,00	183,60	178,20	180,00
17	29.000	180,00	17.780	201,88	197,96	196,00	199,92	194,04	196,00
18	31.400	200,00	20.000	218,36	214,12	212,00	216,24	209,88	212,00
20	37.000	250,00	23.000	272,95	267,65	265,00	270,30	262,35	265,00
22	44.000	300,00	26.300	317,24	311,08	308,00	314,16	304,92	308,00
24	50.500	350,00	31.400	375,95	368,65	365,00	372,30	361,35	365,00
26	56.200	380,00	37.000	432,60	424,20	420,00	428,40	415,80	420,00
28	65.000	430,00	44.000	571,65	560,55	555,00	566,10	549,45	555,00
30	72.900	475,00	50.500	710,70	696,90	690,00	703,80	683,10	690,00
32	80.000	526,00	56.200	849,75	833,25	825,00	841,50	816,75	825,00
34	87.000	578,00	65.000	955,84	937,28	928,00	946,56	918,72	928,00
36	-	-	72.900	1.078,41	1057,47	1047,00	1.067,94	1036,53	1047,00
38	-	-	80.000	1.200,98	1177,66	1166,00	1.189,32	1154,34	1166,00
40	-	-	87.000	1.323,55	1297,85	1285,00	1.310,70	1272,15	1285,00

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>	 <div>100% SK78HPSPU COATED</div>
SK78 Single Braid	SK78 - PBO / PET	SK78 - BTEC / DYN	SK78 - BTEC / DYN / PET	SK78 - BTEC / PET	SK78 - CRD / PET	SK78 - PET
COVER Single braid without cover.	COVER PBO® / Polyester.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Cordura / Polyester.	COVER Polyester.
PRODUCT CODE NA58	PRODUCT CODE NA58C66	PRODUCT CODE NA58C35	PRODUCT CODE NA58C85	PRODUCT CODE NA58C86	PRODUCT CODE NA58C24	PRODUCT CODE NA58C71
CONSTRUCTION 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Low creep Elevated breaking load Low elongation Light weight Low water absorption High UV resistance Good flexibility High resistance to cutting Product available without cover or with protection cover.	FEATURES AND USE Good resistance to abarsion and heat with good control under load. Better identification of the line thanks to coloured Polyester. Tackles, sheets and runner backstays.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.	FEATURES AND USE Indicated for multiple uses, as sheets, halyards and general running rigging, thanks to its good durability.
STANDARD DIAMETERS From 14 to 34 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.	STANDARD DIAMETERS From 14 to 40 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%
COLOURS	COLOURS Melange PBO® / Polyester to choose from:	COLOURS Melange Natural Black Technora / Dyneema®.	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:	COLOURS Melange Black Technora / Polyester to choose from:	COLOURS Melange Cordura / Polyester to choose from:	COLOURS
<div><div>White</div><div>Black</div><div>Grey</div><div>Yellow</div><div>Red</div><div>Green</div><div>Light Blue</div></div>	<div><div>Black</div><div>Yellow</div><div>Red</div><div>Green</div><div>Light Blue</div></div>	<div><div>BTEC / DYN</div></div>	<div><div>Black</div><div>Anthracite</div><div>Silver Grey</div><div>Light Blue</div><div>Red</div><div>Green</div><div>Yellow</div><div>Hemp</div></div>	<div><div>Black</div><div>Anthracite</div><div>Silver Grey</div><div>Light Blue</div><div>Red</div><div>Green</div><div>Yellow</div><div>Hemp</div></div>	<div><div>Black</div><div>Anthracite</div><div>Silver Grey</div><div>Light Blue</div><div>Red</div><div>Green</div><div>Yellow</div><div>Hemp</div></div>	<div><div>White</div><div>Black</div><div>Anthracite</div><div>Silver Grey</div><div>Red</div><div>Blue Navy</div><div>Light Blue</div><div>Yellow</div><div>Hemp</div></div>

SUPER YACHT LINE

CAPTIVE 78

Excellent Flexibility
Round Shape Preservation
High Chafe Resistance

High Strenght
Low Elongation
Best Captive Performance

Ø	FOR ALL COVERS	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	CRD/ PET	PET
DIAMETER	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
14	11.025	153,63	152,11	155,15	150,59	150,59	152,11
15	12.579	169,99	168,31	171,67	166,62	166,62	168,31
16	14.868	186,35	184,50	188,19	182,66	182,66	184,50
17	16.590	202,91	200,90	204,92	198,89	198,89	200,90
18	18.690	219,47	217,30	221,65	215,13	215,13	217,30
20	20.895	274,34	271,63	277,06	268,91	268,91	271,63
22	23.100	318,86	315,70	322,01	312,54	312,54	315,70
24	27.300	377,87	374,13	381,61	370,38	370,38	374,13
26	31.815	434,81	430,50	439,11	426,20	426,20	430,50
28	36.750	574,56	568,88	580,25	563,19	563,19	568,88
30	43.050	714,32	707,25	721,40	700,18	700,18	707,25
32	52.500	854,08	845,63	862,54	837,17	837,17	845,63
34	60.900	960,71	951,20	970,22	941,69	941,69	951,20
36	69.300	1083,91	1073,18	1.094,64	1.062,44	1062,44	1073,18
38	77.700	1207,10	1195,15	1.219,05	1.183,20	1183,20	1195,15
40	84.499	1330,30	1317,13	1.343,47	1.303,95	1303,95	1317,13

NOTE: Intermediate diameters on request


NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of espouse, can reduce the breaking loads of the ropes.

CAPTIVE 78

Thanks to the collaboration with companies leaders in the production of Captive Winch and the supply to prestigious Super Yacht, Armare has improved and reached high performance levels also in this range of products.

Thousands of meters provided to the most important companies specialized in the “rigging works” and well-known ship yards, prove, more than many words, the steady growth and the care of Armare in the research of new solutions, in order to solve problems linked to this specific use.

Captive Winch Line preserves high Breaking Loads and low elongation thanks to the use of high modulus fibres. Moreover, it holds the essential characteristics necessary to grant the good working of a Captive Winch System like flexibility, a steady shape, no sliding between core and cover, high abrasion resistance ad excellent behaviour between sliding and grip on drums. All is included in a performing product, which allows the choice among six different type of covers. Each one has diverse characteristics suitable for different types of winch and yacht, where they will be settled.

					
CPT78 - BTEC / DYN	CPT78 - BTEC / DYN / PET	CPT78 - BTEC / PET	CPT78 - KEV / DYN / PET	CPT78 - CRD / PET	CPT78 - PET
COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Kevlar / Dyneema® / Polyester.	COVER Cordura / Polyester.	COVER Polyester.
PRODUCT CODE NA58C35_CW	PRODUCT CODE NA58C85_CW	PRODUCT CODE NA58C86_CW	PRODUCT CODE NA58C78_CW	PRODUCT CODE NA58C24_CW	PRODUCT CODE NA58C71_CW
CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Mega Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.	FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.	FEATURES AND USE Indicated for multiple uses, as sheets, halyards and general running rigging, thanks to its good durability.
STANDARD DIAMETERS From 14 to 40 mm Other diameters on request.	STANDARD DIAMETERS From 16 to 40 mm Other diameters on request.	STANDARD DIAMETERS From 16 to 40 mm Other diameters on request.	STANDARD DIAMETERS From 16 to 40 mm Other diameters on request.	STANDARD DIAMETERS From 16 to 40 mm Other diameters on request.	STANDARD DIAMETERS From 16 to 40 mm Other diameters on request.
STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%
COLOURS Melange Natural Black Technora / Dyneema®.	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:	COLOURS Melange Black Technora / Polyester to choose from:	COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:	COLOURS Melange Cordura / Polyester to choose from:	COLOURS
 BTEC / DYN	 Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	 Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	 Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	 Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	 White  Black  Anthracite  Silver Grey  Red  Blue Navy  Light Blue  Yellow  Hemp

SUPER YACHT LINE

Solutions for sailing motor boats

Increasingly imposing Super Yachts require even more performing mooring lines. To improve the working conditions of the crew and their performance, it is important that Super Yachts adopt mooring ropes, which ensure very high breaking loads, without increasing the diameter of the ropes and consequently their weight. Actually, the growth of accidents during the docking of a ship it is well known among the professionals. The handling of ropes with big diameters, especially when they are wet, slows down the mooring procedures and increases the risks of accidents and dangers for the safety of the crew, even more with bad weather conditions.



Other products for the mooring can be found on the part "Mooring Line" of this catalogue.

Storm Line customized handcraft finishing, elegant and durable

The great experience on Super-Yacht mooring lines has taken Armare to a leading position on the market. Our strength is the possibility to customize every single particular, e.g. diameters, colours, lengths, finishing ecc. The result is an exclusive rope with distinctive and prestigious elements.

Available manufactures

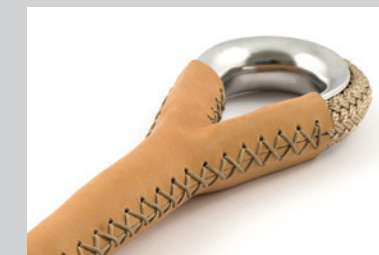
- Splicing on stainless-steel thimble
- Splicing with loop of every size
- Handmade leather finishing
- Possibility of embroideries on every type of protection

Types of splicing and protections

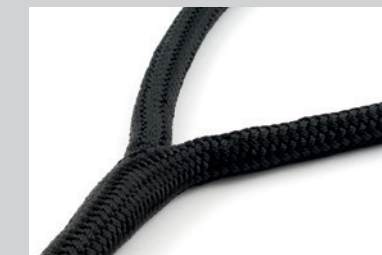
All the splicing and protections are available on the complete range of mooring lines.



Stainless-steel thimble without protection



Stainless-steel thimble, leather pant



Loop without protection



Loop with leather pant

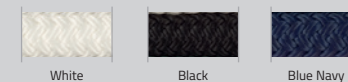


Loop with leather protection



Loop with leather protection and pant

STANDARD COLOURS



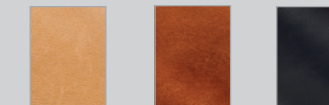
White Black Blue Navy

SPECIAL COLOURS



Silver Grey Hemp Red
Bordeaux English green

AVAILABLE LEATHERS



Natural Brown Black

SUPER YACHT MOORING ROPES COMPARATIVE TABLE

Ø	SECUR LINE		STORM LINE PLUS		STORM LINE		ROUND LINE		SQUARE LINE		SQUARE LINE PP	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
3	-	-	-	-	-	-	-	-	-	-	-	-
3,5	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	10.000	60	-	-	-	-	-	-	1.600	71	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	12.500	80	-	-	3.500	97	-	-	2.100	92	1.560	56
14	15.000	96	-	-	4.200	134	-	-	2.900	128	2.000	78
16	18.000	110	-	-	4.900	144	4.160	170	3.500	152	2.500	92
18	-	-	-	-	5.400	188	5.018	195	4.100	170	3.200	115
20	23.000	147	18.200	239	8.500	288	5.460	240	4.500	225	4.000	160
22	-	-	24.400	305	11.600	365	6.045	265	5.000	255	5.000	178
24	28.000	192	30.000	366	13.500	441	6.890	320	5.700	290	5.500	214
26	-	-	37.000	425	14.600	510	8.099	390	6.500	360	-	-
28	34.000	230	45.000	477	18.500	575	10.465	460	8.400	380	7.000	280
30	-	-	52.000	608	20.000	640	11.648	540	9.650	470	-	-
32	39.000	250	61.000	740	23.600	890	12.350	600	10.870	560	9.500	365
34	-	-	70.000	838	-	-	-	-	-	-	-	-
36	45.000	300	79.000	937	25.500	1.130	15.600	670	13.700	640	13.000	471
38	-	-	88.000	999	-	-	-	-	-	-	-	-
40	50.000	350	99.500	1062	31.000	1.280	17.500	740	15.580	830	17.000	525
44	55.000	400	-	-	36.000	1.470	20.000	890	19.400	1.050	19.000	585
48	60.000	470	-	-	40.800	1.760	-	-	23.300	1.200	-	-
52	-	-	-	-	49.900	2.050	-	-	28.100	1.320	-	-

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.



SECUR LINE

PRODUCT CODE N037

CONSTRUCTION
Balanced twist 8 strand braid made with 100% Dyneema® SK75 and PU Coating.

FEATURES AND USE
Emergency anchoring and mooring rope, long mooring line from boat to land, towing line. Made of 100% Dyneema® SK75. High Breaking Load, light, floating and low elongation, almost zero water absorption, high visibility of the rope and high resistance to abrasion and cut.

STANDARD DIAMETERS From 10 to 48 mm.



STANDARD COLOURS



STORM LINE PLUS

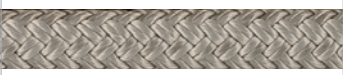
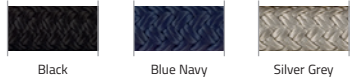
PRODUCT CODE NA90_SLP

CONSTRUCTION
Balanced twist Dyneema® braided core, Polyester cover.

FEATURES AND USE
Storm Line Plus brings a significant improvement to the lives of the crew, ensuring extreme safety ropes, thanks to the very high breaking loads and small diameters. Furthermore, the weight is halved, in comparison with ropes with equal load in Polyester/Nylon, thanks to the core in Dyneema®, which also has a low water absorption. The choice of Storm Line Plus for the mooring of your boat provides an economic benefit over time, thanks to the extraordinary durability.

STANDARD DIAMETERS
From 20 to 40 mm.

STANDARD COLOURS



STORM LINE

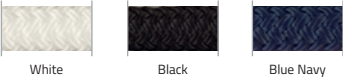
PRODUCT CODE N020

CONSTRUCTION
Balanced twist Polyester braided core, Polyester cover.

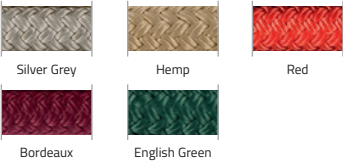
FEATURES AND USE
Ideal for Maxi Yachts but also for emergency or long moorings of small and medium size boats.

STANDARD DIAMETERS From 12 to 52 mm.

STANDARD COLOURS



SPECIAL COLOURS



ROUND LINE

PRODUCT CODE NA40

CONSTRUCTION
12 strand braid in Polyester.

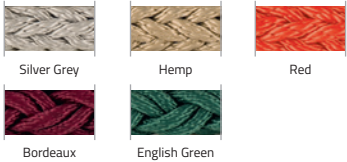
FEATURES AND USE
For the mooring of small boats to maxi yachts. Always smooth, even after prolonged use. Easy to splice.

STANDARD DIAMETERS From 16 to 44 mm.

STANDARD COLOURS



SPECIAL COLOURS



SQUARE LINE

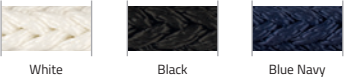
PRODUCT CODE NA41

CONSTRUCTION
8 strand braid in Polyester.

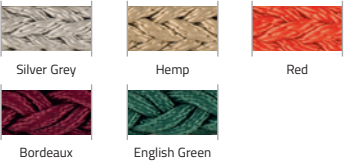
FEATURES AND USE
For the mooring of all types of boats, up to maxi yachts. Anchoring, temporary and long moorings of medium and small boats.

STANDARD DIAMETERS From 10 to 52 mm.

STANDARD COLOURS



SPECIAL COLOURS



SQUARE LINE PP

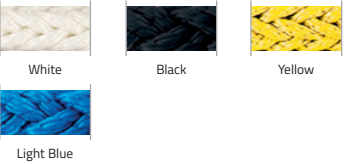
PRODUCT CODE NA43

CONSTRUCTION
Strand braid in H.T. Polypropylene with UV treatment.

FEATURES AND USE
Multi-use floating line, for long moorings and towing.

STANDARD DIAMETERS From 12 to 44 mm.

STANDARD COLOURS



RACING LINE

ARMARE RACING LINE PRODUCTS ARE SPECIFICALLY DEDICATED TO PROFESSIONAL RACERS AND HAVE BEEN DESIGNED, MANUFACTURED AND TESTED ON HIGH PERFORMANCE BOATS, TO MEET THE SPECIFIC NEEDS OF THOSE WHO LIVE AND WORK AT SEA. IN ADDITION TO THE ALREADY WIDE RANGE OF SUCH PRODUCTS, EACH ARTICLE CAN BE CUSTOMISED ACCORDING TO THE SPECIFIC REQUIREMENTS OF THE DESIGNER, THE RIGGER, THE SHIPOWNER OR THE SHORE TEAMS, CHANGING THE MIXTURE OF FIBERS USED, THE COLOURS, THE LOADS, THE DIAMETERS AND THE CONSTRUCTION.

Armare Racing Line products are made with three different technical fibers that can be eventually completed with different choices of protective sheaths. The table summarise the main features of the fibers used for the construction of internal cores.

FIBER	TENACITY	MODULUS	CREEP	SPECIFIC GRAVITY	MELTING TEMP
	[cN/dTex]	[cN/dTex]	[-]	[Kg/dm³]	[°C]
PBO - Zylon®	37,00	1.720	Excellent	1,560	650
Dyneema® SK99	42,50	1.590	Very good	0,975	147
Dyneema® SK90	39,50	1.435	Good	0,975	147

AVAILABLE CORES RACING LINE

PBO-Zylon® PU



The PBO-Zylon® fiber guarantees the lowest elongation, a high breaking load, elevated mechanical resistance and optimal flexibility. PBO-Zylon® lines are designed for sail professionals and for their boats where the innovation of deck equipment is to be considered one of the main points of strength. The elevated stability of structure on winches and stoppers, lighter weight and better handling, make these ropes an excellent partner of the most demanding crews.

Dyneema® SK99 HPS + PU



The ultimate Dyneema® SK99 delivers the highest tenacity available in a light weight polymer fiber. It shows a 7% increase tenacity over SK90 and 20% over SK75 and SK78 and the modulus is 10% higher than SK90 and 35% higher than SK75 and SK78. This translates into thinner and lighter weight lines than other ropes, made with the same diameter, but with significantly increased strength. The result is a better performance from more compact running rigging and guarantee a lower stretch, better sail performance and boat response.

Dyneema® SK90 HPS + PU



The High Modulus fiber Dyneema® SK90 is the evolution of the SK78 and SK75 sister fibers. An increase of about 12% of the Breaking Load and a reduction of 20% in elongation has been obtained, thus maintaining light weight, low water absorption, high UV resistance, abrasion and cutting resistance and excellent flexibility. No Limits on the use of ropes with Dyneema® SK90, ideal for any race sail boat.

AVAILABLE COVERS RACING LINE

PBO PBO-Zylon®

Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/ load sheets.

PBO/DYN PBO / Dyneema®

The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.

BTEC/DYN Black Technora / Dyneema®

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

BTEC/DYN/PET Black Technora / Dyneema® / PET

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. The extraordinary smoothness makes simple the control and the release on winch, without influence on the grip.

KEV/DYN Kevlar / Dyneema®

The combination, in a right proportion, of Kevlar and Dyneema, gives to this cover an incredible quality level. It's a good alternative to a PBO+DYN cover, where the loads are a little bit lower, but the repetition of the cycles on running rigging are high. The tests done on board of the best racing boats, during hard sessions of the match race, have confirmed that the two fibres work in symbiosis and their characteristics compensate each other.

KEV/DYN/PET Kevlar / Dyneema® / PET

It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high melting point of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.



RACING LINE

PBO-Zylon® + PU


































Elevated Breaking Load
Low Elongation
Light Weight

Low Water Absorption
High UV Resistance
Excellent Flexibility

Top Performances

Ø	PBO TW SINGLE BRAID		FOR ALL COVERS	PBO	PBO/ DYN	BTEC/ DYN	BTEC/ DYN/PET	KEV/ DYN	KEV/ DYN/PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	-	-	-	-	-	-	-	-	-
1,5	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
2,5	-	-	-	-	-	-	-	-	-
3	1.260	6,50	-	-	-	-	-	-	-
3,5	1.680	8,80	-	-	-	-	-	-	-
4	2.220	13,00	-	-	-	-	-	-	-
5	3.500	20,00	-	-	-	-	-	-	-
6	4.750	27,00	2.220	30,40	30,10	29,80	29,40	29,80	29,40
7	6.600	37,00	3.500	45,20	44,80	44,40	43,71	44,40	43,71
8	8.640	52,00	4.750	58,10	57,60	57,10	56,25	57,10	56,25
9	10.500	61,00	5.700	73,80	73,10	72,50	71,34	72,50	71,34
10	12.830	78,00	6.600	81,10	80,30	79,60	78,40	79,60	78,40
11	14.420	92,00	8.640	106,10	105,10	104,10	102,60	104,10	102,60
12	17.100	110,00	10.500	121,70	120,50	119,50	117,60	119,50	117,60
13	19.000	125,00	11.650	140,00	138,60	137,90	132,81	137,48	133,89
14	21.000	140,00	12.830	159,10	157,60	156,20	153,86	156,20	153,86
15	23.400	157,00	13.600	185,00	183,15	180,00	175,49	181,67	176,92
16	-	-	14.420	210,10	208,10	206,20	203,15	206,20	203,15
17	-	-	-	-	-	-	-	-	-
18	-	-	17.100	260,00	257,50	255,30	251,37	255,30	251,37
20	-	-	21.000	332,80	329,6	326,70	321,73	326,70	321,73

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
PBO Single Braid	PBO - PBO	PBO - PBO / DYN	PBO - BTEC / DYN	PBO - BTEC / DYN / PET	PBO - KEV / DYN	PBO - KEV / DYN / PET
COVER Single braid without cover.	COVER PBO®.	COVER PBO® / Dyneema®.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester .	COVER Kevlar® / Dyneema®.	COVER Kevlar® / Dyneema® / Polyester.
PRODUCT CODE NA56	PRODUCT CODE NA56C56	PRODUCT CODE NA56C65	PRODUCT CODE NA56C35	PRODUCT CODE NA56C85	PRODUCT CODE NA56C68	PRODUCT CODE NA56C78
CONSTRUCTION 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.	CORE 12 plait with PBO-Zylon® impregnated with polyurethane coating.
FEATURES AND USE Low elongation High breaking load Elevated mechanical resistance Optimal flexibility Lighter weight Elevated stability of structure on winches and stoppers Product available without cover or with protection cover.	FEATURES AND USE Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/load sheets.	FEATURES AND USE The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE The combination, in a right proportion, of Kevlar and Dyneema, gives to this cover an incredible quality level. It's a good alternative to a PBO/DYN cover, where the loads are a little bit lower, but the repetition of the cycles on running rigging are high. The tests done on board of the best racing boats, during hard sessions of the match race, have confirmed that the two fibres work in symbiosis and their characteristics compensate each other.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.
STANDARD DIAMETERS From 3 to 15 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 20 mm. Other diameters on request.
STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%	STRETCH AT 30% B. L. 1,80% STRETCH AT B. L. 2,85%
COLOURS Black.	COLOURS Natural PBO.	COLOURS Melange Natural PBO / Dyneema®.	COLOURS Melange Natural Black Technora / Dyneema®.	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:	COLOURS Melange Natural Kevlar® / Dyneema®	COLOURS Melange Kevlar® / Dyneema® / Polyester to choose from:
 Black	 Natural PBO	 PBO / DYN	 BTEC / DYN	 Black  Anthracite  Silver Grey  Light Blue  Yellow  Red  Hemp  Green	 KEV / DYN	 Black  Anthracite  Silver Grey  Light Blue  Yellow  Red  Hemp  Green

RACING LINE

DYNEEMA® SK99 + HPS + PU

Elevated Breaking Load
Minimal Elongation
Ultralight Weight

Highest Tenacity
Low Water Absorption
High UV Resistance

Excellent Flexibility
Ultimate Top Performance

Ø	DYNEFORCE 99 SINGLE BRAID		FOR ALL COVERS	PBO	PBO/ DYN	BTEC/ DYN	BTEC/ DYN/PET	KEV/ DYN	KEV/ DYN/PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	300	1,20	-	-	-	-	-	-	-
1,5	450	1,81	-	-	-	-	-	-	-
2	615	2,41	300	5,04	4,99	4,90	4,85	4,94	4,80
2,5	960	3,61	450	6,20	6,14	6,02	5,96	6,08	5,90
3	1.444	6,02	615	8,19	8,11	7,96	7,88	8,04	7,80
3,5	2.200	9,63	960	9,66	9,57	9,38	9,29	9,48	9,20
4	3.000	11,20	1.444	12,93	12,83	12,55	12,42	12,73	12,30
5	4.282	18,05	2.200	20,00	19,80	19,38	19,19	19,59	19,00
6	6.200	22,86	3.000	27,27	27,07	26,77	26,23	26,77	26,23
7	8.080	29,90	4.282	39,90	39,49	39,19	38,60	39,19	38,60
8	9.836	38,80	5.241	52,32	51,81	51,31	50,58	51,31	50,58
9	12.446	48,13	6.200	63,02	62,42	61,91	60,97	61,91	60,97
10	14.680	58,80	8.080	74,54	73,83	73,23	72,05	73,23	72,05
11	16.495	62,00	9.836	91,41	90,50	89,69	88,39	89,69	88,39
12	18.220	77,00	12.446	106,05	105,04	104,13	102,55	104,13	102,55
13	22.177	95,22	13.500	124,33	123,17	122,11	120,38	122,11	120,38
14	25.262	110,00	14.680	142,61	141,30	140,09	138,21	140,09	138,21
15	28.748	129,00	16.495	165,84	164,28	162,86	160,51	162,86	160,51
16	30.000	145,00	18.220	189,07	187,25	185,64	182,81	185,64	182,81
17	32.300	163,00	22.177	-	-	-	-	-	-
18	34.600	180,00	25.262	222,71	220,58	218,67	215,28	218,67	215,28
20	45.900	216,00	28.748	278,36	275,73	273,31	269,12	273,31	269,12

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
SK99 Single Braid	SK99 - PBO	SK99 - PBO / DYN	SK99 - BTEC / DYN	SK99 - BTEC / DYN / PET	SK99 - KEV / DYN	SK99 - KEV / DYN / PET
COVER Single braid without cover.	COVER PBO®.	COVER PBO® / Dyneema®.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Kevlar® / Dyneema®.	COVER Kevlar® / Dyneema® / Polyester.
PRODUCT CODE NA20	PRODUCT CODE NA20C56	PRODUCT CODE NA20C65	PRODUCT CODE NA20C35	PRODUCT CODE NA20C85	PRODUCT CODE NA20C68	PRODUCT CODE NA20C78
CONSTRUCTION 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK99 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Elevated breaking load Minimal elongation Ultralight weight Highest tenacity Low water absorption High UV resistance Excellent flexibility Ultimate top performance Product available without cover or with protection cover.	FEATURES AND USE Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/load sheets.	FEATURES AND USE The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE The combination, in a right proportion, of Kevlar and Dyneema, gives to this cover an incredible quality level. It's a good alternative to a PBO/DYN cover, where the loads are a little bit lower, but the repetition of the cycles on running rigging are high. The tests done on board of the best racing boats, during hard sessions of the match race, have confirmed that the two fibres work in symbiosis and their characteristics compensate each other.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.
STANDARD DIAMETERS From 1 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 20 mm. Other diameters on request.
STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%	STRETCH AT 30% B. L. 1,70% STRETCH AT B. L. 2,86%
COLOURS  White  Black  Grey	COLOURS Natural PBO.  Natural PBO	COLOURS Melange Natural PBO / Dyneema®.  PBO / DYN	COLOURS Melange Natural Black Technora / Dyneema® .  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Natural Kevlar® / Dyneema®.  KEV / DYN	COLOURS Melange Kevlar® / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp

RACING LINE

DYNEEMA® SK90 + HPS + PU





















Elevated Breaking Load
Low Elongation
Light Weight

Low Water Absorption
High UV Resistance
Excellent Flexibility

Top Performances

Ø	DYNEFORCE 90 SINGLE BRAID		FOR ALL COVERS	PBO	PBO/ DYN	BTEC/ DYN	BTEC/ DYN/PET	KEV/ DYN	KEV/ DYN/PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	250	1,06	-	-	-	-	-	-	-
1,5	350	1,60	-	-	-	-	-	-	-
2	470	3,20	250	4,99	4,94	4,85	4,80	4,90	4,75
2,5	800	4,00	350	6,14	6,08	5,96	5,90	6,02	5,84
3	1.150	6,70	470	8,11	8,03	7,88	7,80	7,96	7,72
3,5	1.550	9,40	800	9,57	9,48	9,29	9,20	9,38	9,11
4	2.620	10,10	1.150	12,80	12,70	12,42	12,30	12,60	12,18
5	4.240	17,80	1.550	19,80	19,60	19,19	19,00	19,40	18,81
6	5.840	21,90	2.620	27,00	26,80	26,50	25,97	26,50	25,97
7	6.700	27,50	4.240	39,50	39,10	38,80	38,22	38,80	38,22
8	8.822	32,90	5.050	51,80	51,30	50,80	50,08	50,80	50,08
9	10.120	47,50	5.840	62,40	61,80	61,30	60,37	61,30	60,37
10	11.744	52,70	6.700	73,80	73,10	72,50	71,34	72,50	71,34
11	12.935	61,10	8.822	90,50	89,60	88,80	87,51	88,80	87,51
12	17.800	65,50	10.120	105,00	104,00	103,10	101,53	103,10	101,53
13	18.392	81,90	11.500	123,10	121,95	120,90	119,19	120,90	119,19
14	21.960	102,00	11.744	141,20	139,90	138,70	136,84	138,70	136,84
15	24.400	119,50	12.935	164,20	162,65	161,25	158,92	161,25	158,92
16	27.000	137,00	17.800	187,20	185,40	183,80	181,00	183,80	181,00
17	29.300	156,30	18.392	-	-	-	-	-	-
18	32.600	175,60	21.960	220,50	218,40	216,50	213,15	216,50	213,15
20	38.000	205,20	24.400	275,60	273,00	270,60	266,46	270,60	266,46

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
SK90 Single Braid	SK90 - PBO	SK90 - PBO / DYN	SK90 - BTEC / DYN	SK90 - BTEC / DYN / PET	SK90 - KEV / DYN	SK90 - KEV / DYN / PET
COVER Single braid without cover.	COVER PBO®.	COVER PBO® / Dyneema®.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Kevlar® / Dyneema®.	COVER Kevlar® / Dyneema® / Polyester.
PRODUCT CODE NA59	PRODUCT CODE NA59C56	PRODUCT CODE NA59C65	PRODUCT CODE NA59C35	PRODUCT CODE NA59C85	PRODUCT CODE NA59C68	PRODUCT CODE NA59C78
CONSTRUCTION 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK90 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Elevated breaking load Low elongation Light weight Low water absorption High UV resistance Excellent flexibility Ideal where top performance is essential Product available without cover or with protection cover.	FEATURES AND USE Unbeatable resistance to abrasion and heat. Thanks to its properties, it is the best choice among the range of technical ropes, in the application where high temperatures due to the high loads are constantly present. PBO cover is especially used for the Runners Tackles and high friction/load sheets.	FEATURES AND USE The resistance to abrasion is high, thanks to the great presence of PBO. The right mix with the Dyneema fibre transfers to the rope the good fluidity, when it's released under load on winch. Tests on racing boats have demonstrated that this cover has an incredibly durability to the high frequency movements. High loads and temperature don't scare the rope and it's the good solution for Afterguys and Genoa Sheets.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE The combination, in a right proportion, of Kevlar and Dyneema, gives to this cover an incredible quality level. It's a good alternative to a PBO/DYN cover, where the loads are a little bit lower, but the repetition of the cycles on running rigging are high. The tests done on board of the best racing boats, during hard sessions of the match race, have confirmed that the two fibres work in symbiosis and their characteristics compensate each other.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.
STANDARD DIAMETERS From 1 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.
STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%	STRETCH AT 30% B. L. 1,95% STRETCH AT B. L. 3,00%
COLOURS  White  Black  Grey	COLOURS Natural PBO  Natural PBO	COLOURS Melange Natural PBO / Dyneema®.  PBO / DYN	COLOURS Melange Natural Black Technora / Dyneema®.  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Natural Kevlar® / Dyneema®.  KEV / DYN	COLOURS Melange Kevlar® / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp

PERFOR- MANCE

LINE

A RANGE OF TECHNICAL ROPES FOR RACING BOATS AND SUPER YACHTS. THE EXTREME INNOVATION OF THE DECKRIGGING ON RACE SAILING BOATS PUTS A HEAVY STRAIN ON HALYARDS, SHEETS AND ALL RUNNING LINES; THE USE OF ROPES, SUCH AS “HIGH-TECH”, THUS BECOMES A NECESSITY. THIS LINE, WHICH HAS SPECIFICATIONS OF A HIGH TECHNICAL LEVEL, (INCLUDING THOSE SUCH AS THE MATERIALS, BREAKING POINTS AND STRETCH LEVELS) IS CONTINUOUSLY ANALYSED AND UPDATED IN ORDER TO GIVE A PERFORMANCE APPROPRIATE TO THE REQUIREMENTS OF THE MOST DEMANDING CREWS.

Armare Performance Line products are made with four different fibers that can be eventually completed with different choices of protective covers. The table summarise the main features of the fibers used for the construction of braids.

FIBER	TENACITY	MODULUS	CREEP
	[cN/dTex]	[cN/dTex]	[-]
Dyneema® SK78	35,10	1.160	Very good
Dyneema® SK75	35,10	1.160	Good
Vectran®	24,2	530	Excellent

FIBER	SPECIFIC GRAVITY	FUSION TEMP
	[g /cm³]	[°C]
Dyneema® SK78	0,975	147
Dyneema® SK75	0,975	147
Vectran®	1,410	330

AVAILABLE CORES PERFORMANCE LINE

Dyneema® SK78 HPS + PU



The High Modulus fibre, Dyneema® SK78 has a better stability under constant loads, compared to Dyneema® SK75. Its principal characteristics are: low creep, elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, high resistance to cutting. Lines made with Dyneema® SK78 are therefore destined to extreme performances, especially during highly demanding regattas.

Dyneema® SK75 PU



This Line of ropes is different from the previous Dyneema® SK75+HPS+PU in that it is not HPS treated, which means that there is no thermic pre-stretching under load. This makes the rope more manageable, as the core is more supple. It has a slightly different breaking load and elongation as the braid is not settled so that the differences of tension between fibers are adjusted. The general features are of a high level, making this rope affordable to boats and crews of a less extreme technical level.

Dyneema® SK75 HPS + PU



Well known to all seafarers, professionals and non, Dyneema® SK75 has the following features: elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, resistance to cutting. The sum of all these characteristics is concentrated in this line of ropes making them versatile to many uses on all boats. Reliable, long lasting and high performance, thanks to high breaking loads and low elongation.

Vectran PU



The Vectran® fiber is highly connected with its primary characteristic of having a near zero creep, up to 50% of its breaking load. Vectran braids are ideal when used under static loads: eg. main sail and genoa halyards, as well as for steering line systems. Suitable for afterguys, bearing in mind that the fibre is not resistant to U.V. rays and therefore it is not particularly fit for use without a sheath, unless in particular cases, protected from the light or if replacements are programmed and under strict control.

AVAILABLE COVERS PERFORMANCE LINE

BTEC/DYN Black Technora / Dyneema®

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

KEV/DYN/PET Kevlar / Dyneema® / PET

It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high melting point of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

OTHER COVERS AVAILABLE: PBO/PET, KEV/DYN, KEV/PET, DYN/PET, PET

BTEC/DYN/PET Black Technora / Dyneema® / PET

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. The extraordinary smoothness makes simple the control and the release on winch, without influence on the grip.

DYN/CRD/PET Dyneema® / Cordura / PET

Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying “release”.

BTEC/PET Black Technora / PET

This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

CRD/PET Cordura / PET

Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.



PERFORMANCE LINE

DYNEEMA® SK78 + HPS + PU



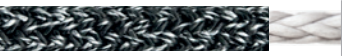





























Low creep
Elevated Breaking Load
Low Elongation

Light Weight
Low Water Absorption
High UV Resistance

Great Flexibility
High chafe resistance

Ø	DYNEFORCE 78 SINGLE BRAID		FOR ALL COVERS	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	210	1,18	-	-	-	-	-	-	-
1,5	330	1,80	-	-	-	-	-	-	-
2	450	2,50	210	4,75	4,73	4,79	4,65	4,23	4,65
2,5	730	3,70	330	5,76	5,73	5,81	5,64	5,13	5,64
3	1.068	4,90	450	7,58	7,55	7,65	7,43	6,75	7,43
3,5	1.400	8,20	730	9,29	9,26	9,38	9,11	8,28	9,11
4	2.250	10,10	1068	12,52	12,30	12,65	12,28	11,16	12,28
5	2.980	15,30	1400	19,19	19,00	19,38	18,81	17,10	18,81
6	5.000	24,00	2250	26,50	26,16	26,70	26,16	23,50	25,74
7	6.400	31,10	2980	38,80	38,22	38,90	38,22	34,40	37,62
8	8.200	38,20	3990	50,80	50,08	51,10	50,08	45,10	49,30
9	9.500	51,10	5000	61,30	60,37	62,00	60,37	54,30	59,40
10	11.600	60,00	6400	72,50	71,34	72,80	71,34	64,30	70,29
11	13.100	77,00	8200	88,80	87,51	88,10	87,51	78,00	85,00
12	16.000	94,00	9500	103,10	101,53	103,60	101,53	91,40	100,00
13	17.780	110,00	10100	121,00	119,00	121,30	119,00	107,00	116,90
14	20.000	128,00	11600	138,70	136,51	139,30	136,51	122,90	134,44
15	23.000	144,00	13100	161,25	158,76	162,00	158,76	142,90	156,32
16	26.300	160,00	16000	183,80	181,00	184,70	181,00	162,90	178,20
17	29.000	180,00	17780	-	-	-	-	-	-
18	31.400	200,00	20000	216,50	213,15	217,50	213,15	191,90	209,90
20	37.000	250,00	23000	270,60	266,46	271,90	266,46	239,80	262,35

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
SK78 Single Braid	SK78 - BTEC / DYN	SK78 - BTEC / DYN / PET	SK78 - BTEC / PET	SK78 - KEV / DYN / PET	SK78 - DYN / CRD / PET	SK78 - CRD / PET
COVER Single braid without cover.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Kevlar / Dyneema® / Polyester.	COVER Dyneema® / Cordura / Polyester.	COVER Cordura / Polyester.
PRODUCT CODE NA58	PRODUCT CODE NA58C35	PRODUCT CODE NA58C85	PRODUCT CODE NA58C86	PRODUCT CODE NA58C78	PRODUCT CODE NA58C82	PRODUCT CODE NA58C24
CONSTRUCTION 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.	CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.
FEATURES AND USE Low creep Elevated breaking load Low elongation Light weight Low water absorption High UV resistance Great flexibility High resistance to cutting Product available without cover or with protection cover.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.	FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".	FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.
STANDARD DIAMETERS From 1 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%	STRETCH AT 30% B. L. 2,16% STRETCH AT B. L. 3,20%
COLOURS  White Black Grey  Yellow Red Green  Light Blue	COLOURS Melange Natural Black Technora / Dyneema®.  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:  Black Anthracite Silver Grey  Light Blue Red Green  Yellow Hemp	COLOURS Melange Black Technora / Polyester to choose from:  Black Anthracite Silver Grey  Light Blue Red Green  Yellow Hemp	COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:  Black Anthracite Silver Grey  Light Blue Red Green  Yellow Hemp	COLOURS Melange Dyneema® / Cordura / Polyester to choose from:  Black Anthracite Silver Grey  Light Blue Red Green  Yellow Hemp	COLOURS Melange Cordura / Polyester to choose from:  Black Anthracite Silver Grey  Light Blue Red Green  Yellow Hemp

PERFORMANCE LINE

DYNEEMA® SK75 + HPS + PU

Elevated Breaking Load
Low Elongation
Light Weight

Low Water Absorption
High UV Resistance
Great Flexibility

Chafe resistance
Versatile to many uses

Ø	DYNEFORCE 75 SINGLE BRAID		FOR ALL COVERS	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	200	1,50	-	-	-	-	-	-	-
1,5	300	2,50	-	-	-	-	-	-	-
2	430	3,70	200	4,65	4,63	4,69	4,55	4,14	4,55
2,5	640	4,90	300	5,71	5,68	5,76	5,59	5,09	5,59
3	890	7,40	430	7,47	7,44	7,55	7,33	6,66	7,33
3,5	1.380	9,00	640	9,25	9,21	9,34	9,07	8,24	9,07
4	1.860	11,10	890	12,37	12,32	12,50	12,13	11,03	12,13
5	2.830	16,20	1.380	19,11	19,03	19,30	18,73	17,03	18,73
6	3.900	24,00	1.860	26,40	26,07	26,60	26,07	23,40	25,64
7	5.850	31,00	2.830	38,40	37,83	38,60	37,83	34,00	37,22
8	7.300	39,00	3.360	49,40	48,71	49,70	48,71	43,80	47,92
9	9.200	52,00	3.900	60,20	59,29	60,50	59,29	53,40	58,41
10	10.500	60,00	5.850	70,10	69,09	70,50	69,09	62,20	68,01
11	11.980	77,00	7.300	84,03	85,51	85,68	84,03	75,60	82,56
12	14.160	93,00	9.200	100,10	98,49	100,50	98,49	88,70	97,02
13	15.800	110,00	9.900	116,23	118,28	118,52	116,23	104,57	114,19
14	17.800	126,00	10.500	135,60	133,57	136,30	133,57	120,20	131,48
15	19.900	138,00	11.980	157,65	155,28	158,45	155,28	139,75	152,86
16	22.000	150,00	14.160	179,70	176,99	180,60	176,99	159,30	174,24
17	24.000	173,00	15.800	-	-	-	-	-	-
18	26.000	195,00	17.800	210,30	207,17	211,40	207,17	186,40	203,94
20	30.300	246,00	19.900	263,40	259,41	264,70	259,41	233,50	255,42

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.



SK75 Single Braid

COVER Single braid without cover.

PRODUCT CODE NA77

CONSTRUCTION 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

Elevated breaking load
Low elongation
Light weight
Low water absorption
High UV resistance
Great flexibility
Resistance to cutting
Versatile to many uses on all boats
Product available without cover or with protection cover.

STANDARD DIAMETERS From 1 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS



SK75 - BTEC / DYN

COVER Black Technora / Dyneema®.

PRODUCT CODE NA77C35

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Natural Black Technora / Dyneema®.



BTEC / DYN



SK75 - BTEC / DYN / PET

COVER Black Technora / Dyneema® / Polyester.

PRODUCT CODE NA77C85

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Black Technora / Dyneema / Polyester to choose from:



SK75 - BTEC / PET

COVER Black Technora / Polyester.

PRODUCT CODE NA77C86

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Black Technora / Polyester to choose from:



SK75 - KEV / DYN / PET

COVER Kevlar® / Dyneema® / Polyester.

PRODUCT CODE NA77C78

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:



SK75 - DYN / CRD / PET

COVER Dyneema® / Cordura / Polyester.

PRODUCT CODE NA77C82

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Dyneema® / Cordura / Polyester to choose from:



SK75 - CRD / PET

COVER Cordura / Polyester.

PRODUCT CODE NA77C24

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE

Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Cordura / Polyester to choose from:



PERFORMANCE LINE



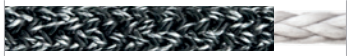
























































DYNEEMA® SK75 + PU

Low Stretch
Elevated Breaking Load
Light Weight

Rope more manageable
Core more supple
Not HPS treated

Ø	SUPERROUND 75 SINGLE BRAID		FOR ALL COVERS	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	-	-	-	-	-	-	-	-	-
1,5	280	1,66	-	-	-	-	-	-	-
2	400	2,60	180	4,34	4,33	4,39	4,26	3,87	4,26
2,5	560	3,80	280	5,76	5,73	5,81	5,64	5,13	5,64
3	730	5,00	400	6,97	6,94	7,04	6,83	6,21	6,83
3,5	1.100	7,50	560	9,39	9,36	9,49	9,21	8,37	9,21
4	1.530	9,80	730	12,52	12,30	12,65	12,28	11,16	12,28
5	2.300	14,40	1.100	19,29	19,30	19,48	18,91	17,19	18,91
6	3.230	20,00	1.530	26,50	26,17	26,70	26,17	23,50	25,74
7	4.560	27,00	2.300	38,20	37,70	38,50	37,70	33,90	37,62
8	6.100	35,00	2.800	49,90	49,20	50,20	49,20	44,30	48,40
9	7.270	46,00	3.230	60,15	59,30	60,50	59,30	53,35	58,41
10	9.000	57,00	4.560	70,40	69,38	70,80	69,38	62,40	68,31
11	10.200	61,00	6.100	85,75	84,50	86,20	84,48	76,00	83,16
12	12.000	68,00	7.270	101,10	99,57	101,60	99,57	89,60	98,00
13	13.250	73,00	8.000	-	-	-	-	-	-
14	14.500	78,00	9.000	136,60	134,55	137,30	134,55	121,10	132,46
15	15.900	90,00	10.200	-	-	-	-	-	-
16	17.800	102,00	12.000	171,50	168,95	172,40	168,95	152,00	166,32
17	19.500	-	13.250	-	-	-	-	-	-
18	21.700	126,00	14.500	187,90	185,02	188,80	185,02	166,50	182,16
20	25.900	160,00	15.900	247,10	243,33	248,30	243,33	219,00	239,58

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

 	 	 	 	 	 	 
SK75 Single Braid	SK75 - BTEC / DYN	SK75 - BTEC / DYN / PET	SK75 - BTEC / PET	SK75 - KEV / DYN / PET	SK75 - DYN / CRD / PET	SK75 - CRD / PET
COVER Single braid without cover.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Kevlar / Dyneema® / Polyester.	COVER Dyneema® / Cordura / Polyester.	COVER Cordura / Polyester.
PRODUCT CODE NA67	PRODUCT CODE NA67C35	PRODUCT CODE NA67C85	PRODUCT CODE NA67C86	PRODUCT CODE NA67C78	PRODUCT CODE NA67C82	PRODUCT CODE NA67C24
CONSTRUCTION 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.	CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.
FEATURES AND USE Low stretch Elevated breaking load Light weight Rope more manageable Rope more supple Not HPS treated Product available without cover or with protection cover.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.	FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".	FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.
STANDARD DIAMETERS From 1,5 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%
COLOURS  White  Black  Grey  Yellow  Red  Green  Light Blue	COLOURS Melange Natural Black Technora / Dyneema®.  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Black Technora / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Dyneema® / Cordura / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp	COLOURS Melange Cordura / Polyester to choose from:  Black  Anthracite  Silver Grey  Light Blue  Red  Green  Yellow  Hemp

PERFORMANCE LINE






























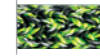


































VECTRAN + PU

Near zero creep
Ideal under static loads
Mainsail halyards

Genoa halyards
Steering line systems

Ø	VECTRAN SINGLE BRAID		FOR ALL COVERS	BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	-	-	-	-	-	-	-	-	-
1,5	-	-	-	-	-	-	-	-	-
2	430	3,10	160	-	-	-	-	-	4,10
2,5	640	4,50	220	-	-	-	-	-	5,70
3	860	6,10	430	-	-	-	-	-	7,40
3,5	1.350	9,50	640	-	-	-	-	-	10,00
4	1.795	11,90	860	-	-	-	-	-	13,50
5	2.760	18,00	1.350	-	-	-	-	-	21,10
6	3.800	25,00	1.795	28,70	28,22	28,80	28,22	25,40	27,85
7	-	-	-	-	-	-	-	-	-
8	6.760	44,50	3.800	55,00	54,19	55,30	54,19	48,80	53,36
9	-	-	-	-	-	-	-	-	-
10	10.000	74,00	5.300	77,60	76,44	78,00	76,44	68,80	75,24
11	-	-	-	-	-	-	-	-	-
12	12.540	85,00	7.970	112,30	110,64	112,90	110,64	99,60	108,90
13	-	-	-	-	-	-	-	-	-
14	15.450	107,00	10.000	154,00	151,61	154,70	151,61	136,50	149,29
15	-	-	-	-	-	-	-	-	-
16	18.530	127,00	12.540	188,90	186,00	189,80	186,00	167,40	183,15
17	-	-	-	-	-	-	-	-	-
18	20.900	166,00	15.450	217,50	214,13	218,50	214,13	192,80	210,87
20	23.360	210,00	18.530	272,60	268,42	273,90	268,42	241,60	264,33

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.

  	  	  	  	  	  	  
VEC Single Braid	VEC - BTEC / DYN	VEC - BTEC / DYN / PET	VEC - BTEC / PET	VEC - KEV / DYN / PET	VEC - DYN / CRD / PET	VEC - CRD / PET
COVER Single braid without cover.	COVER Black Technora / Dyneema®.	COVER Black Technora / Dyneema® / Polyester.	COVER Black Technora / Polyester.	COVER Kevlar® / Dyneema® / Polyester.	COVER Dyneema® / Cordura / Polyester.	COVER Cordura / Polyester.
PRODUCT CODE NA55	PRODUCT CODE NA55C35	PRODUCT CODE NA55C85	PRODUCT CODE NA55C86	PRODUCT CODE NA55C78	PRODUCT CODE NA55C82	PRODUCT CODE NA55C24
CONSTRUCTION 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.	CORE 12 plait in Vectran® with polyurethane coating.
FEATURES AND USE Near zero creep Ideal when used under static loads Suggested on main sail and genoa halyards Optimal for steering line systems Not particularly fit for use without a sheath Product available without cover or with protection cover.	FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.	FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.	FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.	FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.	FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".	FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.
STANDARD DIAMETERS From 2 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%	STRETCH AT 30% B. L. 2,60% STRETCH AT B. L. 3,60%
COLOURS   Vetrans Natural Vetrans Grey	COLOURS Melange Natural Black Technora / Dyneema®.  BTEC / DYN	COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:    Black Anthracite Silver Grey    Light Blue Red Green   Yellow Hemp	COLOURS Melange Black Technora / Polyester to choose from:    Black Anthracite Silver Grey    Light Blue Red Green   Yellow Hemp	COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:    Black Anthracite Silver Grey    Light Blue Red Green   Yellow Hemp	COLOURS Melange Dyneema® / Cordura / Polyester to choose from:    Black Anthracite Silver Grey    Light Blue Red Green   Yellow Hemp	COLOURS Melange Cordura / Polyester to choose from:    Black Anthracite Silver Grey    Light Blue Red Green   Yellow Hemp

CRUISING LINE

ARMARE CRUISING LINE ROPES ARE THE PERFECT CHOICE FOR ALL THE RUNNING RIGGING OF CRUISING BOATS. THESE ROPES DERIVE FROM THE EXPERIENCE GAINED THROUGH RACING, REFINED WITH THE BEST CONSTRUCTION TECHNIQUES, IN ORDER TO GET HIGH PERFORMANCE WHILE KEEPING THE COST OF THE FINAL PRODUCT UNDER CONTROL. A VAST PROPOSAL OF DIFFERENT STRUCTURES, DIAMETERS AND COLOURS ENABLE SAILORS, SHIPYARDS AND EQUIPMENT SUPPLIERS TO RIG ANY TYPE OF SAILING BOAT WITH A GUARANTEE OF QUALITY, DURABILITY AND SAFETY.

The many compositions of the cores, some with high modulus fibers such as Dyneema® SK75, in conjunction with specific protective covers, make up a full, highly differentiated range of ropes, for use as sheets, tackles, vang, halyards and after guys. Each rope is accompanied by specific guidelines, to help the captain to choose the appropriate product for his boat. The possibility to create ropes of non-standard colours whilst maintaining the qualitative characteristics, allows us to meet any type of aesthetic requirement, with exceptional results of application.



CRUISING LINE: A THREE LEVELS RANGE




Fast Cruiser	Daily Cruiser	Classic Cruiser
Destination Cruiser Boats Club Racing Boats Fast Cruiser Boats	Destination Cruiser Boats Daily Cruiser Boats	Destination Classic Cruiser Boats
Use Halyards / Sheets	Use Sheets	Use Sheets / Halyards
Products Light 75 Plus Speedplus	Products Dynecruise Speedcruise	Products Star Plus Star Bora Static Armony

CRUISING

CRUISING LINE - BREAKING LOAD AND WEIGHT COMPARATIVE TABLE

Ø	LIGHT 75 PLUS		DYNECRUISE		SPEEDPLUS		SPEEDCRUISE		STAR PLUS		STAR		BORA		STATIC		ARMONY	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,5																		
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	250	10,00	-	-	-	-	-	-
3,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	700	12,20	-	-	-	-	-	-	470	15,84	450	15,00	340	16,00	-	-	250	11,00
5	1.000	18,70	-	-	-	-	-	-	680	24,75	650	23,00	574	23,00	-	-	395	18,00
6	1.500	25,50	1.230	26,00	1.100	25,74	1.100	26,00	945	30,69	900	30,00	834	29,00	790	32,00	560	22,00
7	2.250	36,70	-	-	-	-	-	-	1.260	39,60	1.200	39,00	-	-	-	-	-	-
8	2.700	47,90	1.700	47,00	1.850	46,53	1.850	47,00	1.630	49,50	1.550	49,00	1.111	50,00	1.350	55,00	1.000	41,00
9	3.200	57,75	2.400	58,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	4.500	67,60	3.100	70,00	2.900	72,27	2.900	73,00	2.570	75,24	2.450	75,00	2.100	75,00	2.100	78,00	1.500	62,00
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	6.800	97,00	5.800	108,00	4.800	94,05	4.800	95,00	3.460	103,95	3.300	103,00	2.793	104,00	2.900	105,00	1.950	86,00
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	8.500	131,10	7.670	138,00	6.100	132,66	6.100	134,00	4.700	147,51	4.500	148,00	3.277	145,00	4.050	145,00	2.500	115,00
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	11.500	164,60	9.500	179,00	8.400	170,28	8.400	172,00	6.300	197,01	6.000	198,00	4.615	187,00	5.200	188,00	3.000	143,00
18	13.900	180,30	11.300	230,00	10.500	219,78	10.500	222,00	7.700	237,60	7.400	240,00	5.433	242,00	-	-	3.600	202,00
20	17.000	237,20	13.900	285,00	12.100	275,22	12.100	278,00	9.550	277,20	9.100	280,00	-	-	-	-	4.200	250,00

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.

 	 							
LIGHT 75 PLUS	DYNECRUISE	SPEEDPLUS	SPEEDCRUISE	STAR PLUS	STAR	BORA	STATIC	ARMONY
PRODUCT CODE NA57C24	PRODUCT CODE NA88	PRODUCT CODE NA36C24	PRODUCT CODE NA36	PRODUCT CODE NA37	PRODUCT CODE NA44	PRODUCT CODE N003	PRODUCT CODE NA38	PRODUCT CODE NA71
CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Prestretched double braid.	CONSTRUCTION Prestretched double braid.	CONSTRUCTION Heat fixed double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.
COVER Cordura / Polyester.	COVER Polyester.	COVER Cordura / Polyester.	COVER Polyester.	COVER Cordura / Polyester.	COVER Polyester.	COVER Polyester.	COVER Polyester.	COVER Matt Polyester.
CORE Dyneema® SK75.	CORE Dyneema® SK75 + Polypropylene.	CORE SPECTRA and/or UHMW-PE fiber	CORE Spectra® and UHMW-PE fiber.	CORE 12 plait with 100% Polyester.	CORE Polyester.	CORE Polyester.	CORE Unidirectional Polyester yarn core.	CORE Polyester.
FEATURES AND USE Lightness, high Breaking Load, minimum elongation and excellent grip: these are the four main features, which characterize this rope. It is studied to obtain an optimum grip on stopper and winch, thanks to the use of special anti-slip fibers. Ideal as halyard, but suitable also as sheet, due to its handle construction.	FEATURES AND USE High Breaking Load, excellent stability under constant load, minimal elongation. Suggested use for halyards, topping, tackles and control lines on cruising boats.	FEATURES AND USE It is the best compromise between quality and price of our Cruising Line. This rope is ideal for those who don't want to renounce the performance of the technical fibers, and controlling the expense. Speedplus has a very good Breaking Load (higher than a product in Polyester), a low elongation, and the same grip of Light 75, thanks to the special anti-slip cover, suitable to be used whether as Halyard or as Sheet.	FEATURES AND USE Good Breaking Load, low elongation, durability. Excellent quality / price ratio. Suggested use for halyards, afterguys, sheets and tackles.	FEATURES AND USE Stable but flexible, it resists against the use on stopper and on winch, and preserves unchanged its softness. It is recommended to be used as halyards, running lines, tackles and main outhaul on cruising boats. It is suitable also as Halyards of super yachts and it has a better grip than Star, thanks to the use of special anti-slip fibers.	FEATURES AND USE Soft and flexible, high durability to use and resistance to abrasion. It remains supple over time. Recommended use: halyards, sheets, tackles and control lines on cruising boats. Large diameters are perfect for super yachts.	FEATURES AND USE Excellent resistance to abrasion due to compact design. Good general qualities of Breaking Load and elongation. Suggested use for cruising sailing boats and super yachts. Halyards, toppings, tackles and control lines.	FEATURES AND USE Very static unidirectional construction, wear-resistant in stoppers and winches, more rigid than the Star. Excellent quality / price ratio. Use on cruising boats for halyards, toppings, afterguys.	FEATURES AND USE The traditional seafarers choice, thanks to its easy grip and guaranteed hold even when the rope is wet. Good rubbing resistance. Suggested use on cruising boats and dinghies for sheets, control lines and reef lines.
STANDARD DIAMETERS From 4 to 22 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 22 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 22 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 20 mm. Other diameters on request.	STANDARD DIAMETERS From 3 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 18 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 4 to 26 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,80% STRETCH AT B. L. 3,80%	STRETCH AT 30% B. L. 3,00% STRETCH AT B. L. 4,00%	STRETCH AT 30% B. L. 4,00% STRETCH AT B. L. 5,60%	STRETCH AT 30% B. L. 4,00% STRETCH AT B. L. 5,60%	STRETCH AT 30% B. L. 5,5% STRETCH AT B. L. 12,00%	STRETCH AT 30% B. L. 7,00% STRETCH AT B. L. 13,50%	STRETCH AT 30% B. L. 6,20% STRETCH AT B. L. 12,80%	STRETCH AT 30% B. L. 5,00% STRETCH AT B. L. 11,50%	STRETCH AT 30% B. L. 8,00% STRETCH AT B. L. 13,50%
COLOURS Solid colour white (CRD/ white PET) or Melange white / colored PET:	COLOURS Solid colour - Mix - Melange - Marker.	COLOURS Solid colour white (CRD/ white PET) or Melange white / colored PET:	COLOURS Solid colour - Mix - Melange - Marker.	COLOURS Solid colour white (CRD/ white PET) or Melange white / colored PET:	COLOURS Solid colour - Mix - Melange - Marker.	COLOURS	COLOURS	COLOURS
<div><div> White</div><div> Black</div><div> Anthracite</div><div> Silver Grey</div><div> Light Blue</div><div> Red</div><div> Green</div><div> Yellow</div><div> Hemp</div></div>	<div><div> Black</div><div> Anthracite</div><div> Silver Grey</div><div> Hemp</div><div> Red</div><div> Light Blue</div><div> Blue Navy</div><div> White, Red markers</div><div> White, Light Blue markers</div></div>	<div><div> White</div><div> Black</div><div> Anthracite</div><div> Silver Grey</div><div> Light Blue</div><div> Red</div><div> Green</div><div> Yellow</div><div> Hemp</div></div>	<div><div> White</div><div> Silver Grey</div><div> Hemp</div><div> Red</div><div> Blue Navy</div><div> Light Blue</div></div>	<div><div> White</div><div> Black</div><div> Anthracite</div><div> Silver Grey</div><div> Light Blue</div><div> Red</div><div> Green</div><div> Yellow</div><div> Hemp</div></div>	<div><div> White</div><div> Black</div><div> Anthracite</div><div> Silver Grey</div><div> Hemp</div><div> Yellow</div><div> Red</div><div> Light Blue</div><div> Blue Navy</div></div>	<div><div> Red</div><div> Green</div><div> Light Blue</div><div> White, Black markers</div><div> White, Yellow markers</div><div> White, Red marker</div><div> White, Light Blue markers</div><div> White, Green markers</div></div>	<div><div> White, Black markers</div><div> White, Yellow markers</div><div> White, Red marker</div><div> White, Green markers</div><div> White, Sea Blue markers</div><div> Yellow, Grey markers</div><div> Red, Grey markers</div><div> Green, Grey markers</div><div> Sea Blue, Grey markers</div></div>	<div><div> Black</div><div> Anthracite</div><div> White, Red marker</div><div> White, Green markers</div><div> White, Sea Blue markers</div><div> Yellow, Sea blue markers</div><div> Red, White markers</div><div> Green, White markers</div><div> Sea Blue, White markers</div></div>

CLASSIC LINE

ARMARE'S COMPLETE RANGE FOR MOORING, ANCHORING AND RUNNING RIGGING OF CLASSIC SAILING BOATS. VINTAGE BOATS OFTEN NEED ROPES OF A TECHNICAL AND QUALITATIVE LEVEL WHICH IS SUPERIOR TO THOSE OF MODERN BOATS. THIS IS BECAUSE THE VOLUMES, THE WATER LINES, THE WEIGHTS, THE SAIL AREA AND THE DECK RIGGING INFLICT A HEAVY DUTY ON RIGGING LINES. MANY OF THE ROPES ARE ALSO USED FOR MODERN RACING BOATS; THE ONLY DIFFERENCE IS COLOUR, SIMILAR TO HEMP, WHICH MAKES IT MORE APPROPRIATE TO THE AESTHETIC ASPECTS OF CLASSIC BOATS.



NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.

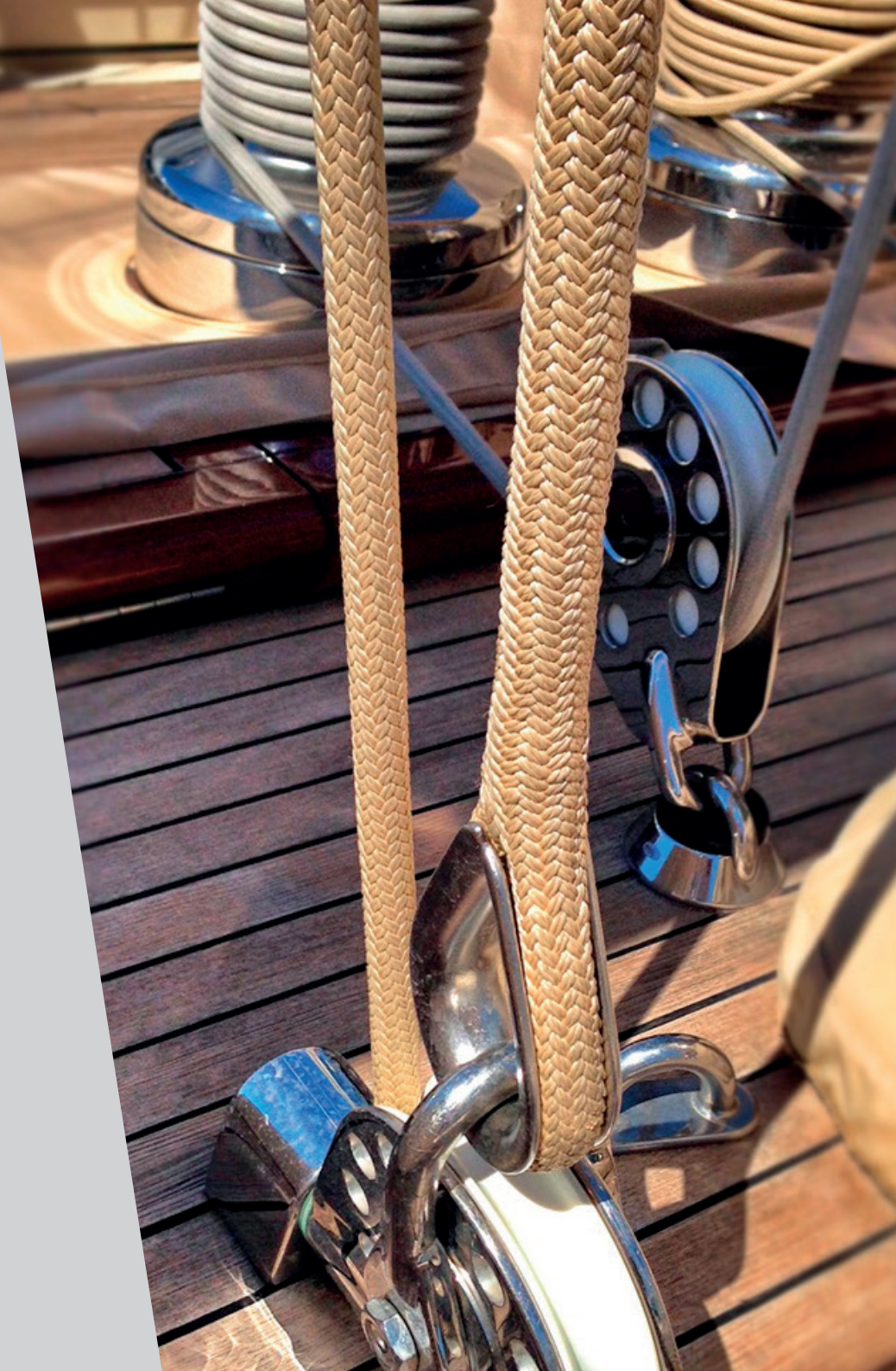
CLASSIC LINE ROPES COMPARATIVE TABLE


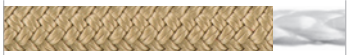










Ø	DYNERACE GOLD		DYNE GOLD		STAR GOLD		FENDER BRAID GOLD	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
1	-	-	-	-	-	-	-	-
1,5	-	-	-	-	-	-	-	-
2	200	4,60	-	-	-	-	-	-
2,5	300	5,65	-	-	-	-	-	-
3	430	7,40	-	-	250	10	-	-
3,5	640	9,16	-	-	-	-	-	-
4	890	12,25	-	-	450	15	-	-
5	1.380	18,92	-	-	650	23	-	-
6	1.860	25,90	1.230	26	900	30	-	-
7	2.830	37,60	-	-	-	-	-	-
8	3.360	48,40	1.700	47	1.550	49	1.500	38
9	3.900	59,00	-	-	-	-	-	-
10	5.850	68,70	3.100	70	2.450	75	1.900	78
11	-	-	-	-	-	-	-	-
12	9.200	98,00	5.800	108	3.300	103	2.150	88
13	-	-	-	-	-	-	-	-
14	10.500	132,80	7.670	138	4.500	148	2.630	100
15	-	-	-	-	-	-	-	-
16	14.160	176,00	9.500	179	6.000	198	3.450	112
18	17.800	206,00	11.300	230	7.400	240	-	-
20	19.900	258,00	13.900	285	9.100	280	-	-













CLASSIC MOORING LINE COMPARATIVE TABLE

Ø	STORM LINE GOLD		SQUARE LINE GOLD		ROUND LINE GOLD		SEA KING GOLD	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
3	-	-	-	-	-	-	300	9
3,5	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	470	16
5	-	-	-	-	-	-	600	22
6	-	-	-	-	-	-	700	28
7	-	-	-	-	-	-	-	-
8	2.000	46	-	-	-	-	1.270	48
9	-	-	-	-	-	-	-	-
10	2.650	68	1.600	71	-	-	1.680	70
11	-	-	-	-	-	-	-	-
12	3.500	97	2.100	92	-	-	2.800	103
14	4.200	134	2.900	128	-	-	3.600	140
16	4.900	144	3.500	152	4.160	170	4.300	185
18	5.400	188	4.100	170	5.018	195	5.400	230
20	8.500	288	4.500	225	5.460	240	6.700	290
22	11.600	365	5.000	255	6.045	270	8.300	320
24	13.500	441	5.700	290	6.890	350	9.700	437
26	14.600	510	6.500	360	8.099	421	11.100	500
28	18.500	575	8.400	380	10.465	550	12.050	565
30	20.000	640	9.650	470	11.648	630	13.400	650
32	23.600	890	10.870	560	12.350	710	15.400	740
36	25.500	1.130	13.700	640	15.600	850	19.000	900
40	31.000	1.280	15.580	830	17.500	1.160	23.500	1.150
44	36.000	1.470	19.400	1.050	20.000	1.450	-	-
48	40.800	1.760	23.300	1.200	-	-	-	-
52	49.900	2.050	28.100	1.320	-	-	-	-

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



 <div><div>100% SK75</div><div>HPS</div><div>PU COATED</div></div>	 <div><div>100% SK75</div></div>		
DYNERACE GOLD	DYNE GOLD	STAR GOLD	FENDER BRAID GOLD
PRODUCT CODE NA77C71	PRODUCT CODE NA88	PRODUCT CODE NA44	PRODUCT CODE N021
CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Prestretched double braid.	CONSTRUCTION 24 plait Polyester braid.
COVER Polyester.	COVER Polyester.	COVER Polyester.	COVER Polyester.
CORE Dyneema® SK75 + HPS + PU treatment.	CORE Dyneema® SK75 + Polypropylene.	CORE Polyester.	CORE None.
FEATURES AND USE Maximum Breaking Load, excellent stability and strength, minimum elongation and lightweight. Suggested use for halyards, sheets, afterguys, runner backstays and tackles. Large diameters are ideal for super yachts.	FEATURES AND USE Good Breaking Load, excellent stability with constant loads, resistance and minimum elongation. Suggested use for halyards, toppings, tackles and control lines of cruising boats. In large diameters, ideal for the sheets of super yachts.	FEATURES AND USE Soft and flexible, ensuring long durability after use and abrasion. It remains smooth over time. Suggested use for halyards, sheets, toppings, tackles and control lines on cruising boats. In large diameters ideal for super yachts.	FEATURES AND USE Rope ideal for fender. It is supple, resistant and has a good knit retention.
STANDARD DIAMETERS From 2 to 30 mm. Other diameters on request.	STANDARD DIAMETERS From 6 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 3 to 26 mm. Other diameters on request.	STANDARD DIAMETERS From 8 to 16 mm. Other diameters on request.
STRETCH AT 30% B. L. 2,35% STRETCH AT B. L. 3,35%	STRETCH AT 30% B. L. 3,00% STRETCH AT B. L. 4,00%	STRETCH AT 30% B. L. 7,00% STRETCH AT B. L. 13,50%	- -
COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>

			
STORM LINE GOLD	SQUARE LINE GOLD	ROUND LINE GOLD	SEA KING GOLD
PRODUCT CODE N020	PRODUCT CODE NA41	PRODUCT CODE NA40	PRODUCT CODE NA42
CONSTRUCTION Balanced twist Polyester braided core, Polyester cover.	CONSTRUCTION 8 strand braid in Polyester.	CONSTRUCTION 12 strand braid in Polyester.	CONSTRUCTION 3 strand rope with balanced torsion, double twist construction in Polyester.
FEATURES AND USE Ideal for super yachts but also for emergency or long moorings of small and medium size boats.	FEATURES AND USE For the mooring of all types of boats, up to super yachts. Anchoring, temporary and long moorings of medium and small boats.	FEATURES AND USE For the mooring of small boats to super yachts. Always smooth, even after prolonged use. Easy to splice.	FEATURES AND USE The best choice for permanent moorings and on mooring posts. For the mooring of all types of boats.
STANDARD DIAMETERS From 8 to 52 mm. Other diameters on request.	STANDARD DIAMETERS From 10 to 52 mm. Other diameters on request.	STANDARD DIAMETERS From 16 to 44 mm. Other diameters on request.	STANDARD DIAMETERS From 3 to 40 mm. Other diameters on request.
COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>	COLOURS  <div>Hemp</div>  <div>Beige</div>

MOOR- ING LINE

THE MOORING OF ANY TYPE OF BOAT IS, WITHOUT DOUBT, A MATTER OF CRUCIAL IMPORTANCE. IN FACT IT HAS TO GUARANTEE THE SAFETY OF THE CREW, OF THE BOAT AND OF ANY OTHER NEARBY BOATS. AMONG THE WIDE RANGE OF ARMARE PROPOSALS FOR MOORING, IT IS EASY TO FIND THE MOST SUITABLE PRODUCT FOR ANY NEED, FOR FIXED OR FLYING MOORINGS, OR FOR SECURE ANCHORINGS. FROM THE SMALLEST BOATS TO LARGE SUPER YACHTS, EVERY CAPTAIN CAN FIND THE BEST SOLUTION, CHOOSING BETWEEN VARIOUS ROPES WITH SPECIFIC CHARACTERISTICS, DIFFERENT MATERIALS, CONSTRUCTIONS AND FINISHINGS.



Solutions for both sailing as motor boats

A huge range of custom-made mooring ropes, with excellent performance and durability.

Special handcrafted finishing and protections, unique custom colours, high breaking load and light weight are the features of this line, that make it suitable for any application, in particular for the mooring of Super-Yachts, where extraordinary high loads are required.

Some articles are also available in Hemp colour, especially made to be used on classic and vintage boats; more information can be found on the part "Classic Line" of this catalogue.

In addition to the mooring lines, a large range of fender covers is available, in any size and colour, and are entirely customisable, for example by having the name of the boat embroidered.

Storm Line

customized handcraft finishing, elegant and durable

The great experience on Super-Yacht mooring lines has taken Armare to a leading position on the market. Our strength is the possibility to customize every single particular, e.g. diameters, colours, lengths, finishing ecc. The result is an exclusive rope with distinctive and prestigious elements.

Available manufactures

- Splicing on stainless-steel thimble
- Splicing with loop of every size
- Handmade leather finishing
- Possibility of embroideries on every type of protection

Types of splicing and protections

All the splicing and protections are available on the complete range of mooring lines.



Stainless-steel thimble without protection



Stainless-steel thimble, leather pant



Loop without protection



Loop with leather pant

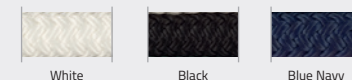


Loop with leather protection



Loop with leather protection and pant

STANDARD COLOURS



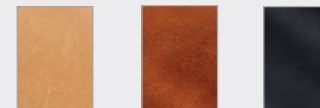
White Black Blue Navy

SPECIAL COLOURS



Silver Grey Hemp Red
Bordeaux English green

AVAILABLE LEATHERS



Natural Brown Black



MOORING LINE ROPES COMPARATIVE TABLE

∅	SECUR LINE		STORM LINE		ROUND LINE		SQUARE LINE		SEA KING		SQUARE LINE PP	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
3	-	-	-	-	-	-	-	-	300	9	-	-
3,5	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	470	16	-	-
5	-	-	-	-	-	-	-	-	600	22	-	-
6	-	-	-	-	-	-	-	-	700	28	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	2.000	46	-	-	-	-	1.270	48	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	10.000	60	2.650	68	-	-	1.600	71	1.680	70	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	12.500	80	3.500	97	-	-	2.100	92	2.800	103	1.560	56
14	15.000	96	4.200	134	-	-	2.900	128	3.600	140	2.000	78
16	18.000	110	4.900	144	4.160	170	3.500	152	4.300	185	2.500	92
18	-	-	5.400	188	5.018	195	4.100	170	5.400	230	3.200	115
20	23.000	147	8.500	288	5.460	240	4.500	225	6.700	290	4.000	160
22	-	-	11.600	365	6.045	270	5.000	255	8.300	320	5.000	178
24	28.000	192	13.500	441	6.890	350	5.700	290	9.700	437	5.500	214
26	-	-	14.600	510	8.099	421	6.500	360	11.100	500	-	-
28	34.000	230	18.500	575	10.465	550	8.400	380	12.050	565	7.000	280
30	-	-	20.000	640	11.648	630	9.650	470	13.400	650	-	-
32	39.000	250	23.600	890	12.350	710	10.870	560	15.400	740	9.500	365
36	45.000	300	25.500	1.130	15.600	850	13.700	640	19.000	900	13.000	471
40	50.000	350	31.000	1.280	17.500	1.160	15.580	830	23.500	1.150	17.000	525
44	55.000	400	36.000	1.470	20.000	1.450	19.400	1.050	-	-	19.000	585
48	60.000	470	40.800	1.760	-	-	23.300	1.200	-	-	-	-
52	-	-	49.900	2.050	-	-	28.100	1.320	-	-	-	-

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of esposure, can reduce the breaking loads of the ropes.



SECUR LINE

PRODUCT CODE N037

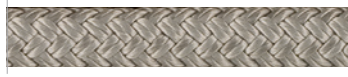
CONSTRUCTION
Balanced twist 8 strand braid made with 100% Dyneema® SK75 and PU Coating.

FEATURES AND USE
Emergency anchoring and mooring rope, long mooring line from boat to land, towing line. Made of 100% Dyneema® SK75. High Breaking Load, light, floating and low elongation, almost zero water absorption, high visibility of the rope and high resistance to abrasion and cut.

STANDARD DIAMETERS From 10 to 48 mm.



STANDARD COLOURS



STORM LINE

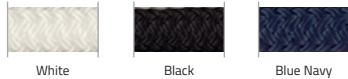
PRODUCT CODE N020

CONSTRUCTION
Balanced twist Polyester braided core, Polyester cover.

FEATURES AND USE
Ideal for super yachts but also for emergency or long moorings of small and medium size boats.

STANDARD DIAMETERS From 8 to 52 mm.

STANDARD COLOURS



SPECIAL COLOURS



ROUND LINE

PRODUCT CODE NA40

CONSTRUCTION
12 strand braid in Polyester.

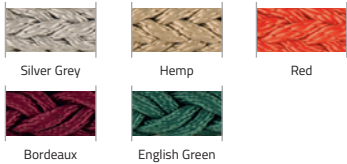
FEATURES AND USE
For the mooring of small boats to super yachts. Always smooth, even after prolonged use. Easy to splice.

STANDARD DIAMETERS From 16 to 44 mm.

STANDARD COLOURS



SPECIAL COLOURS



SQUARE LINE

PRODUCT CODE NA41

CONSTRUCTION
8 strand braid in Polyester.

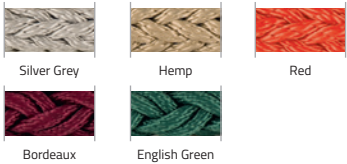
FEATURES AND USE
For the mooring of all types of boats, up to super yachts. Anchoring, temporary and long moorings of medium and small boats.

STANDARD DIAMETERS From 10 to 52 mm.

STANDARD COLOURS



SPECIAL COLOURS



SEA KING

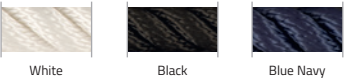
PRODUCT CODE NA42

CONSTRUCTION
3 strand rope with balanced torsion, double twist construction in Polyester.

FEATURES AND USE
The best choice for permanent moorings and on mooring posts. For the mooring of all types of boats.

STANDARD DIAMETERS From 3 to 40 mm.

STANDARD COLOURS



SPECIAL COLOURS



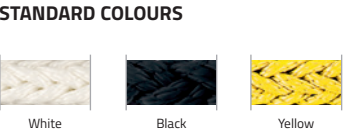
SQUARE LINE PP

PRODUCT CODE NA43

CONSTRUCTION
Strand braid in H.T. Polypropylene with UV treatment.

FEATURES AND USE
Multi-use floating line, for long moorings and towing.

STANDARD DIAMETERS From 12 to 44 mm.



SPECIAL COLOURS



ONE DESIGN LINE

ARMARE ONE DESIGN LINE OFFERS PRODUCTS IN ROLLS, WHICH CAN BE USED FOR VARIOUS MANEUVERS ON ONE DESIGN CLASSES, AND ALSO INDIVIDUAL ROPES AND ARTICLES, WHICH ARE SETTLED AND CALIBRATED FOR THE SPECIFIC USE ON BOARD. ALL PRODUCTS ARE CONSTANTLY BEING DEVELOPED IN COOPERATION WITH TOP-LEVEL ATHLETES AND OUR TECHNICAL DEPARTMENT AND FOR SOME CLASSES ARMARE PROVIDES COMPLETE FULL KITS THAT COVER ALL THE RIG ONBOARD.



GAMBERUS MAINSHEET / FULL KIT FOR OPTIMIST

CODE N73_OPTI_EVO_MAINSHEET
CODE KIT N73_OPTI_EVO_FK

CONSTRUCTION Single Braid.

COVER Dyneema®/ Polyester.

FEATURES AND USE

Light and comfortable handgrip, low water absorption, easy to taper. It is sold by roll or as individual one.

This mainsheet has been developed together with Singapore Sailing Team. To be used as Mainsheet for Optimist.

STANDARD DIAMETER 10 mm.

STANDARD COLOUR Melange fluo.

Gamberus is also available as full Kit for Optimist that includes: 1 Mainsheet, 1 Downhaul, 1 Outhaul, 1 Halyard System, 1 Single Friction Block and Strops.

	CORE	COVER	Ø [mm]	UTILITY	420	470	2,4 m	29er	49er	49er FX	BYTE	LASER 4,7	LASER Radial	SONAR	DINGHY 12'	OPTIMIST	SKUD 18
GAMBERUS	None	DYN + PET	10,0	Optimist Mainsheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ZUMBA	Special light core	BTEC + PET	6,8	Laser & Byte Mainsheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
KUMBA MJ	DYN 75 PU SS	BTEC + PET	6,8	Mainsheet & Jibsheet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
KUMBA SG	DYN 75 PU SS PL	BTEC + PET	5,8	Spisheet & Gennakersheet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOP 1	DYN 75 HPS PU	PET	4,8	Main - Jib - Spi - Gk Halyard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOP 2	DYN 75 HPS PU	KEV + PET	5,0	Main - Jib - Spi - Gk Halyard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOP 3	DYN 90 HPS PU	CRD + PET	5,0	Main - Jib - Spi - Gk Halyard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STOP 4	DYN 90 HPS PU	KEV + PET	4,8	Main - Jib - Spi - Gk Halyard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOP 5	DYN 75 HPS PU	CRD + PET	3,0	470 Spi - Halyard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAND LINE	DYN 75 PU	BTEC + PET	3,5	Cunningam & Vang Skiff Circuit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SB 3	DYN 75	DYN + PET	4 - 11	Generic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SB 4	DYN 75	PET DYN KEV	4 - 11	Generic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SB 5	DYN 75 PU SS	DYN + PET	4 - 11	Generic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SB 7	DYN 75 PU SS	PET DYN KEV	4 - 11	Generic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



OPTIMIST STROPS

PRODUCT CODE NA93C24_50
CONSTRUCTION Single Braid.
CORE Dyneema® SK75.
COVER Cordura/ Polyester.
FEATURES AND USE Sold by roll of 50 m.

STANDARD DIAMETERS
1,4 mm and 2,5 mm.

STANDARD COLOURS
Melange Silver Grey, Melange Azure.



ZUMBA MAINSHEET

PRODUCT CODE NA63C86

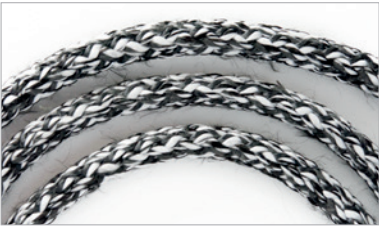
CONSTRUCTION
Double braid with special light core.

COVER Black Technora/ Polyester.

FEATURES AND USE Light and comfortable handgrip, low water absorption. It is sold by roll or as individual rope. It was created after months of water testing and analysis made by the feedbacks of excellent international Laser Athletes. Ideal for Laser and Byte Mainsheet.

STANDARD DIAMETERS 6,8 mm.

STANDARD COLOURS
Melange Black / Red.



KUMBA

PRODUCT CODE NA26C86

CONSTRUCTION Double braid.

CORE Dyneema SK75 PU.

COVER Black Technora/ Polyester.

FEATURES AND USE

Easy to taper.

Kumba MJ (Mainsheet and Jibsheet):

It solves all the processing requirements for any mainsheet or jibsheet. It was tested from Olympic Teams.

Kumba SG (Spi or Gennaker Sheet):
It has been wanted, produced and developed together with the Olympic Athletes Class 470 and 49er, to have a lightly spinnaker sheet (or gennaker).

STANDARD DIAMETERS
Kumba MJ: 6,8 mm.
Kumba SG: 5,8 mm.

STANDARD COLOURS

Kumba MJ:
Melange Orange fluo / Green fluo.
Kumba SG: Melange Yellow.



HAND LINE

PRODUCT CODE NA67C86

CONSTRUCTION Double Braid.

CORE Dyneema® SK75 PU.

COVER Black Technora/ Polyester.

FEATURES AND USE

Running Lines with good handgrip, developed with skiff Olympic crew. Ideal for cunningham and vang circuit line.

DIAMETERS 3,5 mm.

COLOURS Melange Black + Red
and/or Melange Black + Light Blue.



STOP

Available in 5 different types

DESCRIPTION

Easy to taper, Stop has become the solution to the sliding on the cam cleats under sail load.

STOP 1



PRODUCT CODE NA77C71
CONSTRUCTION Double Braid.
CORE with Dyneema® SK75 HPS PU.
COVER Polyester.

USE Ideal to start with no problems of slipping halyard.

STANDARD DIAMETER 4,8 mm.
COLOURS Chequered Black + Green
and/or Chequered Black + Orange.

STOP 2



PRODUCT CODE NA77C69
CONSTRUCTION Double Braid.
CORE with Dyneema® SK75 HPS PU.
COVER Kevlar / Polyester.

USE Evolution of Type 1, for first approaches to the race.
STANDARD DIAMETER 5 mm.
COLOURS Melange Kev + Green
and/or Melange Kev + Orange.

STOP 3



PRODUCT CODE NA59C24
CONSTRUCTION Double Braid.
CORE with Dyneema® SK90 HPS PU.
COVER Cordura / Polyester.
USE Racing Type.
STANDARD DIAMETER 5,0 mm.
COLOURS Melange White + Green
and/or Melange White + Orange.

STOP 4



PRODUCT CODE NA59C69
CONSTRUCTION Double Braid.
CORE with Dyneema® SK90 HPS PU.
COVER Kevlar/ Polyester.
USE Top Racing Type for professional crew only. Minimum diameter and weight. Ideal for skiff.
STANDARD DIAMETER 4,8 mm.
COLOURS Melange Kev + Green
and/or Melange Kev + Orange.

STOP 5



PRODUCT CODE NA77C24
CONSTRUCTION Double Braid.
CORE with Dyneema® SK75 HPS PU
COVER Cordura / Polyester.
USE Spi - Halyard.
STANDARD DIAMETER 3 mm.
COLOURS Melange White / Orange Fluo.

Armare Super Shape: a solution to a triangulated sheet in the winch-blocks.

Soft Braid 5, 6 and 7 are made with the special and unique “Super Shape” construction, invented and developed by Armare. The result is a rope that does not deform even after repeated and continuous running on blocks. Keeping the perfect roundness, the sheet works correctly on the V groove of the pulley, preventing slippage due to the triangulation of the line. You no longer need to keep the rope in constant tension, as the sheet will not slip further into the throat of the winch-block, working better, for you! Designed to maintain an excellent grip, SOFT BRAID is lightweight, flexible, easy sliding and does not create loops and twists. Breaking Loads and elongation are calibrated mainly for use by hand.

SOFT BRAID LINE ROPES COMPARATIVE TABLE

Ø	SOFT BRAID 1		SOFT BRAID 2		SOFT BRAID 3		SOFT BRAID 4		SOFT BRAID 5		SOFT BRAID 6		SOFT BRAID 7	
DIAM.	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
1,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	280	15,00	280	14,60	430	14,90	430	14,50	-	-	-	-	-	-
5	420	25,00	420	24,30	690	24,50	690	23,80	-	-	-	-	-	-
6	760	29,00	760	28,10	1.000	28,80	1.000	27,90	800	30,20	800	31,10	800	30,80
7	1.100	37,00	1.100	35,90	1.450	36,60	1.450	35,50	1.100	38,40	1.100	39,60	1.100	39,20
8	1.550	48,00	1.550	46,60	2.100	48,80	2.100	47,30	1.530	51,20	1.530	52,80	1.530	52,20
9	2.100	61,00	2.100	59,20	3.000	60,60	3.000	58,80	2.300	63,60	2.300	65,50	2.300	64,90
10	2.450	73,00	2.450	70,80	4.000	72,50	4.000	70,30	3.230	76,10	3.230	78,40	3.230	77,60
11	3.300	86,50	3.300	83,90	5.000	85,70	5.000	83,10	4.400	90,00	4.400	92,70	4.400	91,80
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.

						
				  	  	  
SOFT BRAID 1	SOFT BRAID 2	SOFT BRAID 3	SOFT BRAID 4	SOFT BRAID 5	SOFT BRAID 6	SOFT BRAID 7
PET GRIP	PET GRIP + DYN	PET GRIP + DYN	PET GRIP + DYN + KEV	PET GRIP + DYN	PET GRIP + KEV	PET GRIP + DYN+ KEV
COVER PET grip.	COVER PET grip + Dyneema®.	COVER PET grip + Dyneema®.	COVER PET grip + Dyneema® + Kevlar®.	COVER PET grip + Dyneema®.	COVER PET grip + Kevlar®.	COVER PET grip + Dyneema® + Kevlar®.
PRODUCT CODE NA63C81	PRODUCT CODE NA63C82	PRODUCT CODE NA57C82	PRODUCT CODE NA57C83	PRODUCT CODE NA26C82	PRODUCT CODE NA26C84	PRODUCT CODE NA26C83
CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.	CONSTRUCTION Double braid.
CORE Polypropilene Braid.	CORE Polypropilene Braid.	CORE 12 strand braid, made with Dyneema® SK75.	CORE 12 strand braid, made with Dyneema® SK75.	CORE 12 strand braid, made with Dyneema® SK75, impregnated with PU coating and anti-flattening insert.	CORE 12 strand braid, made with Dyneema® SK75, impregnated with PU coating and anti-flattening insert.	CORE 12 strand braid, made with Dyneema® SK75, impregnated with PU coating and anti-flattening insert.
FEATURES AND USE Good quality cover, light core with low breaking load and medium elongation. Aimed at general use.	FEATURES AND USE Sliding and abrasion resistant cover, light weight core with low breaking load and average elongation. Aimed at general use, but with frequent runnings.	FEATURES AND USE Sliding and abrasion resistant cover, good breaking load and low elongation core. Destined to sheets of frequent running.	FEATURES AND USE Sliding cover with excellent resistance to quick surge; optimal duration against abrasions, thanks to the Kevlar® fiber. Low elongation core with good breaking load. Destined to sheets with frequent and fast running.	FEATURES AND USE Sliding cover and resistant to abrasions. Super Shape core with anti-flattening insert. For sheets which are designed to perfectly work on winches and blocks and do not create loops and kinks.	FEATURES AND USE The cover is very resistant to temperature abrasions. Super Shape core with anti-flattening insert. For sheets which are designed to perfectly work on winches and blocks and suffer from high temperature wear and tear, reached during fast surges. It does not create loops and kinks.	FEATURES AND USE The cover is very resistant to temperature abrasions. Super Shape core with anti-flattening insert. For sheets which are designed to perfectly work on winches and suffer from wear and tear due to numerous manouvers. It does not create loops and kinks.
STANDARD DIAMETERS From 4 to 11 mm.	STANDARD DIAMETERS From 4 to 11 mm.	STANDARD DIAMETERS From 4 to 11 mm.	STANDARD DIAMETERS From 4 to 11 mm.	STANDARD DIAMETERS From 6 to 11 mm.	STANDARD DIAMETERS From 6 to 11 mm.	STANDARD DIAMETERS From 6 to 11 mm.
STRETCH AT 30% B. L. 8,00% STRETCH AT B. L. 15,00%	STRETCH AT 30% B. L. 8,00% STRETCH AT B. L. 15,00%	STRETCH AT 30% B. L. 3,10% STRETCH AT B. L. 3,70%	STRETCH AT 30% B. L. 3,10% STRETCH AT B. L. 3,70%	STRETCH AT 30% B. L. 2,70% STRETCH AT B. L. 3,40%	STRETCH AT 30% B. L. 2,70% STRETCH AT B. L. 3,40%	STRETCH AT 30% B. L. 2,70% STRETCH AT B. L. 3,40%
COLOURS	COLOURS	COLOURS	COLOURS	COLOURS	COLOURS	COLOURS
 Yellow Fluo	 Yellow Fluo	 Yellow Fluo	 Yellow Fluo	 Yellow Fluo	 Yellow Fluo	 Yellow Fluo
 Red	 Red	 Red	 Red	 Red	 Red	 Red
 Orange Fluo	 Orange Fluo	 Orange Fluo	 Orange Fluo	 Orange Fluo	 Orange Fluo	 Orange Fluo
 Green	 Green	 Green	 Green	 Green	 Green	 Green
 Blue Navy	 Blue Navy	 Blue Navy	 Blue Navy	 Blue Navy	 Blue Navy	 Blue Navy
 Black	 Black	 Black	 Black	 Black	 Black	 Black
 Silver Grey	 Silver Grey	 Silver Grey	 Silver Grey	 Silver Grey	 Silver Grey	 Silver Grey
 Hemp	 Hemp	 Hemp	 Hemp	 Hemp	 Hemp	 Hemp
 Yellow	 Yellow	 Yellow	 Yellow	 Yellow	 Yellow	 Yellow
 Light Blue	 Light Blue	 Light Blue	 Light Blue	 Light Blue	 Light Blue	 Light Blue

RIGGING LINE

THE RIGGING LINE PRODUCTS MEET THE NEEDS OF THOSE WHO, FOR WORK OR FOR PASSION, DEVELOP RIGGING APPLICATIONS AND OPTIMISATION IN THE RIGGINGS. FROM LASH BOBBINS TO TEXTILE SHACKLES, FROM PROFESSIONAL TOOLS TO SPLICING SET, RIGGERS AND SAILMAKERS CAN FIND QUALITY ITEMS AND AVANT-GARDE PROPOSALS, WITH A WIDE RANGE OF SIZES, FINISHING AND COLOURS. MORE INFORMATION ABOUT THE PROPER USE OF THESE ARTICLES CAN BE FOUND ON OUR WEB SITE.



PROTECTION COVERS

PRODUCT CODE NA00

DESCRIPTION Armare has created a new range of protection covers for technical ropes. These products show the highest level of performance and extreme traction resistance, and originate from actual requirements on monotypes, racing boats and super yachts. The fibers used to produce the special protection covers have the highest thermic resistance, with a melting point up to 650 °C and excellent mechanical abrasion resistance. They are ideal for the protection of the critical points where the ropes run at high speed, with continuous friction and heavy loading. These are therefore the perfect solution to defend the exit points of halyards at the top of masts and on stoppers, the sheets and tackles on winches and all running rigging subject to high stress.

COVERS COMPOSITION

C56 - PBO	Cover in PBO-Zylon®
C65 - PBO+DYN	Cover in PBO-Zylon® + Dyneema®
C66 - PBO+PET	Cover in PBO-Zylon® + Polyester
C52 - BTEC	Cover in Black Technora
C35 - BTEC+DYN	Cover in Black Technora + Dyneema®
C85 - BTEC+DYN+PET	Cover in Black Technora + Dyneema® + Polyester
C86 - BTEC+PET	Cover in Black Technora + Polyester
C68 - KEV+DYN	Cover in Kevlar + Dyneema®
C78 - KEV+DYN+PET	Cover in Kevlar + Dyneema® + Polyester
C69 - KEV+PET	Cover in Kevlar + Polyester
C57 - DYN	Cover in Dyneema®
C82 - DYN+CRD+PET	Cover in Dyneema® + Cordura + Polyester
C70 - DYN+PET	Cover in Dyneema® + Polyester
C24 - CRD+PET	Cover in Cordura + Polyester
C71 - PET	Cover in Polyester



ZERO TWIST CABLE

PRODUCT CODE VA55

CONSTRUCTION Double Braid. VECTRAN® HS core, Polyester cover with anti torsion treatment.

DESCRIPTION Characterized by a particular rigidity, thanks to the special anti-torsion treatment, this cable is designed to be used in the luff of the sails or as a means of torsion transmission in a furling system for spherical sails. The low stretch and high Breaking Load make it ideal for the replacement of the double cable into the luff of CODE ZERO. It can be supplied in standard rolls or to the necessary length and can be supplied with sewn splices on special thimbles.

DIAMETER	BREAKING LOAD	WEIGHT
[mm]	[daN]	[g /m]
6	1.100	38
7	1.800	52
9	3.500	65
11	5.500	100
13	9.000	120
16	14.000	190
18	16.800	220



SUPERCABLE 90

PRODUCT CODE N042

CONSTRUCTION Double braid. Core with Dyneema® SK90+ HPS + PU. Cover Grey Dyneema® SK75 with polyurethane coating.

DESCRIPTION The special double braid construction with Dyneema® SK75 cover provides: minimum elongation, high tensile strengths, low weight, maximum cable flexibility, easy splicing and excellent durability. This cable is particularly suitable for the production of runners, forestays, removable forestay, backstay, structural strops, bobstay, T-ROD and small boats standing rigging. It also finds wide use on life lines, replacing the steel wire ropes. Particularly convenient due to the ease with which it can be spliced, making it very advantageous from an economic point of view.

DIAMETER	BREAKING LOAD	WEIGHT
[mm]	[daN]	[g /m]
4	1.600	12
5	3.150	19
6	4.700	28
7	6.400	40
8	8.000	45
9	9.950	54
10	11.800	71
11	13.800	83
12	15.800	92
13	17.900	114
14	19.800	140



UNIDIR 90 LOOP

CONSTRUCTION Dyneema® Light Loops are built with multifilament and unidirectional winding yarns, with Dyneema® SK90 fiber for the core and protected with a braided cover made with Dyneema® SK75, which is treated with a special anti-abrasion coating.

DESCRIPTION Born for the replacement of steel shackles and for the same purpose of Dyneema® Light Loops, but with higher specifications. They are built with multifilament and unidirectional winding yarns, with Dyneema® SK90 fiber for the core and protected with a braided cover made with Dyneema® SK75, which is treated with a special anti-abrasion coating. These products guarantee the best ratio diameter / breaking strength on the market and they can be used in linear, double (basket) configuration or with the use of T-Bone Warning: the use in different configurations affects the Breaking Load. Other sizes are available on request.

CODE	LENGTH	LINEAR B.L.	DIAMETER
	[mm]	[daN]	[mm]
N202UDLOOP 2.2-150	150	2.200	6,0
N202UDLOOP 2.2-200	200	2.200	6,0
N202UDLOOP 3.0-150	150	3.000	7,0
N202UDLOOP 3.0-200	200	3.000	7,0
N202UDLOOP 3.0-250	250	3.000	7,0
N202UDLOOP 5.0-100	100	5.000	8,0
N202UDLOOP 5.0-150	150	5.000	8,0
N202UDLOOP 5.0-200	200	5.000	8,0
N202UDLOOP 5.0-250	250	5.000	8,0
N202UDLOOP 6.0-250	250	6.000	8,0
N202UDLOOP 8.0-150	150	8.000	9,0
N202UDLOOP 8.0-200	200	8.000	9,0
N202UDLOOP 8.0-250	250	8.000	9,0
N202UDLOOP 10.0-150	150	10.000	10,0
N202UDLOOP 10.0-200	200	10.000	10,0
N202UDLOOP 10.0-250	250	10.000	10,0
N202UDLOOP 10.0-700	700	10.000	10,0
N202UDLOOP 12.0-150	150	12.000	12,0
N202UDLOOP 12.0-200	200	12.000	12,0
N202UDLOOP 12.0-250	250	12.000	12,0
N202UDLOOP 15.0-150	150	15.000	13,5
N202UDLOOP 15.0-200	200	15.000	13,5
N202UDLOOP 15.0-250	250	15.000	13,5
N202UDLOOP 16.0-250	250	16.000	14,0
N202UDLOOP 18.0-250	250	18.000	15,0



UNIDIR 90 STROP

CONSTRUCTION Multifilament and unidirectional winding yarns, with Dyneema® SK90 fiber for the core and protected with a braided cover made with Dyneema® SK75, treated with a special anti-abrasion coating.

DESCRIPTION The construction is the same as UNIDIR 90 LOOPS. Best ratio diameter / breaking load. They can be used linear, double (basket) or with the use of the T-BONE as bobstay, bow strops, hook strops, extensions, and bolts that have to work at high load and low stretch. Suggested safety factor of 4:1. Other sizes are available on request.

CODE	DIAMETER	LINEAR BREAKING LOAD
	[mm]	[daN]
N202UDSTROP 5.0-300	11,5	5.000
N202UDSTROP 5.0-600	11,5	5.000
N202UDSTROP 5.0-1000	11,5	5.000
N202UDSTROP 10.0-300	14,5	10.000
N202UDSTROP 10.0-600	14,5	10.000
N202UDSTROP 10.0-1000	14,5	10.000
N202UDSTROP 15.0-300	22	15.000
N202UDSTROP 15.0-500	22	15.000
N202UDSTROP 15.0-600	22	15.000
N202UDSTROP 15.0-1000	22	15.000



LASH BOBBIN

PRODUCT CODE N200LB

DESCRIPTION Used both for running rigging and for standing rigging and to obtain optimal distribution of the load on lashings, replacing blocks when the rope undergoes little sliding, such as the vang fall system, backstay fall systems, etc. They can be used with loops, strops and spliced on ropes. Available in different sizes.

CODE	Ø	THICKNESS	Ø MAX ROPE	HOLE
	[mm]	[mm]	[mm]	[mm]
LB 0	18,6	8	5	7,20
LB 1	25	10	6	9
LB 2	38	13	9	15
LB 3	48	17	11	19
LB 4	55	20	13	21
LB 5	59	20	13	25
LB 6	69,6	31	22	29



BIG BOBBIN FOR LOOPS

PRODUCT CODE N200LBB

DESCRIPTION The Big Bobbin for Loops differ for the lash bobbins exclusively for the broader measure of the groove, allowing the housing of the loops when in basket configuration (double).

CODE	Ø	THICKNESS	Ø MAX ROPE	HOLE
	[mm]	[mm]	[mm]	[mm]
LBB 1	38	18	14	15
LBB 2	48	24	18	19
LBB 3	55	29	22	21
LBB 4	59	30	22	25
LBB 5	69,6	41	32	29

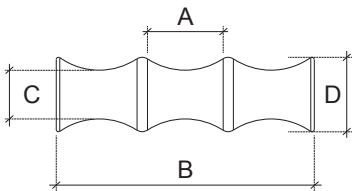


T-BONES

PRODUCT CODE N210

CONSTRUCTION T-Bones are made with 17-4PH steel.

DESCRIPTION The T-Bone is an important part in the application of Loops and Strops on board. It is designed to withstand a high load, because of its position in the clash between the two eyes of loop or strop. On request they can be made with titanium, or bronze for use on vintage boats. Five sizes available, measured to hold different, shear tested Breaking Loads.



CODE	B.L.	A	B	C	D
	[daN]	[mm]	[mm]	[mm]	[mm]
TB 0	1.800	9	27	5,5	8,5
TB 1	3.000	13	39	7,5	11,5
TB 2	4.000	15	45	8,5	13
TB 3	5.000	18	54	10	15,5
TB 4	9.000	22	66	12,5	19



LAZY LINE

PRODUCT CODE N030

DESCRIPTION Soft braided, with the right level of compactness to resist abrasion; always round and balanced, it is studied for the realization of Lazy Jacks. Easy to splice, coupled with Lash Bobbins, it makes the construction of Lazy Jacks easy. The result is a look which is both technical and elegant.

COLOURS White, Silver Grey, Anthracite and Hemp (other colours on request).

DIAMETERS AND BREAKING LOADS

6mm=500daN
7mm=600daN
8mm=700daN



DYNEEMA® SEWING THREAD

PRODUCT CODE N211

CONSTRUCTION 100% with Dyneema® braid.

DESCRIPTION 100% with Dyneema® braid, for special seams that require high tensile strength and low elongation. The main characteristics of this braid are that it is very easy sliding, smooth and has excellent resistance to abrasion. It is ideal for the hand sewing of manufactured parts or special splicing. Custom sizes and constructions are also available together with those listed.

Ø	BREAKING LOAD	ROLL LENGTH
[mm]	[mm]	[mm]
0.3	18	300
0.4	50	300
0.6	70	300
0.8	100	300
1	140	300
1,5	230	300



DYNEEMA® LIGHT SHACKLES

PRODUCT CODE N203 (STANDARD SHACKLE) e N204 (BLOCK SHACKLE)

CONSTRUCTION The textile Light Shackles are made entirely of Dyneema® SK75, without metal parts.

DESCRIPTION They can be used to substitute any opening metal hook, guaranteeing security, resistance and a considerable weight reduction (about 6 times less). Their lightness and the construction with textile fibers help to prevent damage to people due to accidental impacts, and to protect the boat surface and the mast. What's more, they don't squeak.

100%
SK75

CODE	MAX WORKING LOAD	LENGTH	WEIGHT
STANDARD SHACKLE	[daN]	[mm]	[g]
LS 5	1.250	60	15
LS 8	2.000	70	23
LS 12	3.000	80	30
LS 20	5.000	90	70
LS 24	7.000	100	90
BLOCK SHACKLE	[daN]	[mm]	[g]
LS 5B	1.250	90	17
LS 8B	2.000	105	25
LS 12B	3.000	125	35
LS 20B	5.000	135	77
LS 24B	7.000	150	98



WAXED PRO

PRODUCT CODE N031

DESCRIPTION High quality waxed braid rolls for professional use. Essential for binding and sewing.

DIAMETERS

1 mm - 500 m / 1,5 mm - 250 m

COLOURS Base colour choice between white, black, red, navy blue, brown, green, light blue, hemp, grey, yellow, bordeaux.



COATING PU

PRODUCT CODE N213

DESCRIPTION Water-based polyurethane coating solution essential for the protection of ropes without cover. Useful for the application on used ropes or on new ropes that have undergone special working processes and require a further application of protective resin. Suitable for use on any technical fiber. Sold in cans of 0,5 and 1,0 litre, it can be diluted in water, depending on the desired degree of impregnation. Application: by brush or immersion with subsequent squeezing of excess coating, and open air drying.



NEEDLES

PRODUCT CODE N303_NEEDLES

DESCRIPTION The original English needles in 5 pcs. envelope. For sail repair and hand sewing on ropes, leather and fabrics.



HEAT-CUTTER

PRODUCT CODE N300

DESCRIPTION Professional and practical electric tool for cutting ropes, tapes and synthetic belts. The blade can reach a temperature of 600°C in approx. 8 sec. and is suitable for the quick cutting of ropes up to dia. 26 mm. However it can be used to cut superior diameters.



MARLIN SPIKES

PRODUCT CODE N301_MARLIN

DESCRIPTION

Marlin Spikes for splicing on strand ropes. Marlin Spikes 175 mm for ropes up to 16 mm and Marlin Spikes 265 mm for ropes up to 30 mm.



SPLICING KIT

PRODUCT CODE N302_SPLICING-KIT

DESCRIPTION

The splicing kit, for the correct splicing on braids and double braids, is made with 316 polished stainless-steel. It can be used for the splicing of ropes from diameter 4 mm to 18 mm. The kit is supplied with instructions.

MULTI- USE LINE

ARMARE MULTIUSE LINE PROPOSES PRODUCTS SUITABLE FOR ALL USES ON BOARD, FOR HANDCRAFTED SOLUTIONS AND SEWING OF ANY KIND.

LIFE ON BOARD NEEDS DIFFERENT TYPES OF ROPES, WHICH ARE DESTINED TO MULTIPLE USES, E. G. FROM FENDERS TO ANCHORING, ROPES FOR STARTING ENGINE OR MOUSING LINES. THE OPTIMUM QUALITY OF THE MATERIALS USED, GUARANTEES DURABILITY, EVEN WHERE THERE ARE NO SPECIFIC TECHNICAL REQUIREMENTS.

MULTI-USE LINE ROPES COMPARATIVE TABLE

Ø	FENDER BRAID		BLUE LINE		FANTASY		PROROPE		SAGOLA		DELPHINUS	
DIAMETER	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT	B. L.	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]	[daN]	[g /m]
0,6	-	-	-	-	-	-	-	-	29	0,8	-	-
0,8	-	-	-	-	-	-	-	-	46	1,1	-	-
1	-	-	-	-	-	-	-	-	50	1,6	-	-
1,5	-	-	-	-	-	-	-	-	79	2,1	-	-
2	-	-	-	-	-	-	-	-	132	3,2	-	-
2,5	-	-	-	-	-	-	-	-	143	4,4	-	-
3	-	-	-	-	-	-	-	-	192	5,5	-	-
3,5	-	-	-	-	-	-	-	-	271	8,6	-	-
4	-	-	280	11	320	16	200	13,75	320	16	200	9
4,5	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	400	14	400	22	350	23,33	400	22	-	-
6	-	-	520	18	500	30	460	28,33	500	30	300	14
7	-	-	-	-	-	-	-	-	-	-	-	-
8	1.500	38	980	34	950	50	880	56,75	-	-	400	22
9	-	-	1.150	48	-	-	-	-	-	-	-	-
10	1.900	78	1.450	61	1.350	75	1.200	86,67	-	-	500	33
11	-	-	-	-	-	-	-	-	-	-	-	-
12	2.150	88	2.000	89	1.900	100	1.700	120	-	-	800	45
14	2.630	100	2.650	114	2.500	140	2.230	160	-	-	-	-
16	3.450	112	3.460	146	3.300	185	3.000	210	-	-	-	-
18	-	-	-	-	4.200	240	3.800	240	-	-	-	-

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, with linear ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knotsmay affect the Breaking Load of the rope with reductions of up to 60%. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



PET Minirols

PRODUCT CODE NA38_MIN

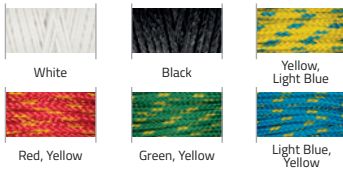
CONSTRUCTION 100% Polyester sock.
Core in unidirectional Polyester.

FEATURES AND USE Flags, strops, various bindings and sewing.

STANDARD DIAMETERS From 0,8 to 3,5 mm.

DIAMETER	B. L.	LENGTH	WEIGHT
[mm]	[daN]	[m]	[g /roll]
0,8	46	50	69
1	50	40	60
1,5	79	30	63
2	132	40	146
2,5	143	30	153
3	192	20	156
3,5	271	15	148

STANDARD COLOURS



100%
SK75

PU
COATED

DYNEEMA® 100% Minirols

PRODUCT CODE NA67_MIN

CONSTRUCTION 100% Dyneema® braid + PU.

FEATURES AND USE It is ideal for the hand sewing of manufactured parts or special splicing, and for seams that require high tensile strength and low elongation. Very smooth, excellent abrasion resistance. Ideal for kitesurfing, windsurfing and dinghies.

STANDARD DIAMETERS From 0,6 to 1,5 mm.

DIAMETER	B. L.	LENGTH	WEIGHT
[mm]	[daN]	[m]	[g /roll]
0,6	70	60	36
0,8	100	50	44
1	140	40	51
1,5	190	30	62

STANDARD COLOURS



100%
SK75

DYNEEMA® / PET Minirols

PRODUCT CODE NA93_MIN

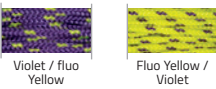
CONSTRUCTION Polyester sock.
Core with unidirectional Dyneema® SK75.

FEATURES AND USE For flags, strops, surf and various bindings.

STANDARD DIAMETERS From 2 to 3,5 mm.

DIAMETER	B. L.	LENGTH	WEIGHT
[mm]	[daN]	[m]	[g /roll]
2	160	15	58
2,5	290	10	56
3	340	7	50
3,5	400	5	51

STANDARD COLOURS



WAXED BRAID Minirols

PRODUCT CODE N026

CONSTRUCTION Waxed Polyester braid.

FEATURES AND USE Waxed braid for whipping and sewing.

STANDARD DIAMETERS From 1 to 1,5 mm.

DIAMETER	B. L.	LENGTH	WEIGHT
[mm]	[daN]	[m]	[g /roll]
1	-	40	35
1,5	-	30	43

STANDARD COLOURS





FENDER BRAID

PRODUCT CODE N021

CONSTRUCTION 24 plait Polyester braid.

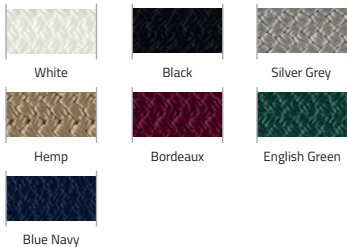
CORE None.

COVER Polyester.

FEATURES AND USE Rope suitable for fenders. Fender Braid is a supple and resistant rope, and has a good knot retention.

STANDARD DIAMETERS From 8 to 16 mm.

STANDARD COLOURS



BLUE LINE

PRODUCT CODE N008

CONSTRUCTION 16 plait Polyester braid.

CORE None.

COVER Polyester.

FEATURES AND USE Rope fit for anchoring. Versatile multipurpose rope with a supple but resistant braid. Good breaking load and easy to splice. Fit for all boats, Fender, towing of tenders, anchoring of small boats, blinds, biminies and various bindings.

STANDARD DIAMETERS From 4 to 16 mm.

STANDARD COLOURS



FANTASY

PRODUCT CODE N009

CONSTRUCTION Polyester braid.

CORE Twisted Polyester yarn.

COVER Polyester.

FEATURES AND USE Compact and flexible rope. It is resistant to UV rays, salt water, solvents and chemical products. Not suitable for splicing. Use: Fenders, small moorings, towing, anchors of small boats, blinds, biminies, mooring posts and various bindings.

STANDARD DIAMETERS From 4 to 18 mm.

STANDARD COLOURS



PROROPE

PRODUCT CODE N010

CONSTRUCTION M.T. Polyester braided cover.

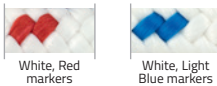
CORE Twisted Polyester yarn.

COVER Polyester.

FEATURES AND USE The cheapest and multi-use rope. The compact construction gives to this rope an optimal durability although M.T. Polyester has a tendency to slight rigidity. It is recommended for anchoring of small boats, blinds, anchors of small boats, biminies, mooring posts, various bindings and for the delimitation of sea areas.

STANDARD DIAMETERS From 4 to 18 mm.

STANDARD COLOURS



SAGOLA

PRODUCT CODE N016

CONSTRUCTION Polyester braid.

CORE Multifilament Polyester.

COVER Polyester.

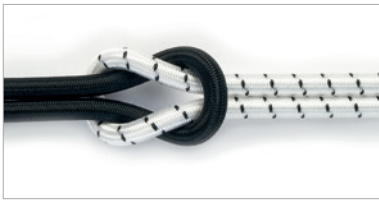
FEATURES AND USE Trimlines braided in Polyester. Flexible and durable in sunlight. Suitable for flags, all boats, dinghies, windsurfing and kite-surfing, spear fishing, small bindings.

STANDARD DIAMETERS From 0,6 to 6 mm.

STANDARD COLOURS



Diameter 0,6 mm only black and white - Colours from 0,8 to 6 mm



ELASTIC

PRODUCT CODE N014

CONSTRUCTION Braid with core.

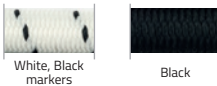
CORE Pure latex core.

COVER Polyester.

FEATURES AND USE Technical use: sail makers, tapestry workers, shops. On board use: awnings, covers, bindings, falls etc. Braid with 100% latex core and Polyester sock (resistant to sunlight, salt water and bad weather conditions). High durability. The elasticity reaches 150% when the braid is new.

STANDARD DIAMETERS From 3 to 10 mm.

STANDARD COLOURS



DELPHINUS

PRODUCT CODE N013

CONSTRUCTION 16 plait braid.

CORE None.

COVER Polypropylene UV stabilized.

FEATURES AND USE Floating rope, supple and resistant. The multifilament yarns makes this rope very supple, preventing the formation of twists and kinks during the use. Fit for all boats and various applications: for life buoys, inflatable life rafts, water skiing, signal buoys and for the delimitation of sea areas.

STANDARD DIAMETERS From 4 to 12 mm.

STANDARD COLOURS



ENGINE

PRODUCT CODE N015

CONSTRUCTION Braid with core.

CORE Multifilament Polyester.

COVER Compacted made with thermo-fixed Polyester.

FEATURES AND USE Specifically indicated for starting engines. Trimlines braided in Polyester, flexible and resistant against chafe.

STANDARD DIAMETERS From 2 to 6 mm.

STANDARD COLOURS



Solutions for Armare point of purchase

Shop Racks designed specifically for the display of lines and reels

ARMARE SHOP RACK

DESCRIPTION

For all points of sail, the new Shop Rack. Now Armare brand is more recognisable in your shop with the new Shop Rack. Thanks to vertical arrangement, you may keep your products in order and save space in your shop.

MEASURE

Height 245 cm
Width 98 cm
Depth 70 cm
Weight 36 Kg

TECHNICAL CHARACTERISTICS

Neat merchandising
Easy sale
Minimum obstruction
Strong and capacious
Black stove-enamelled
Capacity up to 20 reels of various sizes.



Use and safety instructions of the products

Values and technical characteristics, which are written on this catalogue, have to be considered purely indicative and are related to brand new ropes, adequately spliced.

The use of knots may reduce breaking loads by up to 50% as well as imprecise splicing or incorrect methods of splicing. Splicing increases the rope diameter up to 1,5 times.

As indicated in the margin of every illustrative table, the workload must never exceed the 30% of the indicated breaking load.

Ropes under load should never be used in contact with rough surfaces, rust or sharp edges, as this may lead to sudden breakage of the ropes or irreparable damage of the same.

No responsibility can be charged to Armare for damage to people or things caused by the incorrect, unsafe or improper use of the ropes.

It is suggested rinsing the ropes with soft water (after their removal from the boat) every two to three months or at least at the end of each season. This precaution extends their durability and guarantees better performance.

All products are subject to changes without prior notice. Armare declines every responsibility concerning to eventual printing error, e.g. values, descriptions and technical characteristics of the items on this catalogue.



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