



YACHTING LINE by



**D. KORONAKIS S.A.**



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# COMPANY PROFILE

## Established

in 1967 and always investing in developing  
new products and technologies

D. Koronakis SA is one of the top leading companies worldwide in the production of synthetic ropes and wire ropes.

The Company was established back in 1967 but has never stopped investing and developing in new products and technologies. It is driven by a spirit of innovation in both Management and Product development.

Our product range includes ropes, wire ropes, mooring ropes, combination ropes which are produced in a vast Mill in Greece and have been recognized for their top quality and technical performance in different fields like **Shipping, Yachting and Sailing, Fishing and Aquaculture, Offshore, Drilling and Towing.**

Apart from the in house production facilities, the company keeps a large stock of chains, anchors and various nautical and shipping equipment, such as rigging gear, fiber slings and various other accessories.

D. Koronakis SA focuses on customer satisfaction and for more than 50 years has become a unique supplier for the most known Shipyards and Shipping Companies in the national and international scene.

In the factory, all materials, constructions, colours and a big variety of dimensions (0,5 mm - 160 mm) can be produced and thus meet all our customers' needs.

Our manufacturing quality is recognized by all International Quality Registries. In order to further enhance our quality processes, we have installed an electronic testing bench of 500ton capacity and 40mtr length also recognized by all Certification Bodies.

# OUR CREDENTIALS

- Member of IMPA
- Member of Helmepa
- Member of WIMA
- In Lloyd's list as wire rope manufacturers since 1972.
- ISO 9001:2008 certified by UKAS-BVQI
- ISO 14001:2004 certified by UKAS-BVQI
- Our 500 T & 150 T test benches – fully computerized – and other equipment, calibrated annually and acknowledged by all known registries. Included in Lloyd's lists.
- Sole representative of CASAR wire ropes in Greece.
- Sole representative of GUNNEBO, Lifting gear, Chains and Accessories.
- LLOYD'S REG. FOR ANCHORING & MOORING EQUIPMENT
- LLOYD'S REG. FOR APPROVED TESTING MACHINE
- LLOYD'S REG. FOR STEEL WIRE ROPE

# BUSINESS SECTORS



THE LEADING ROPE AND WIRE ROPE MANUFACTURERS





# D. KORONAKIS S.A.

5.400 tons  
annual production.  
105.000m<sup>2</sup>  
mill and  
headquarters



Revolutionary mooring ropes and **exclusive lines** for  
**Mega + Superyachts**  
Custom made,  
**Hi-Tec ropes**  
designed for  
**Special Yachts**

80% exports  
around the globe.  
International stock  
points in key  
locations/ports



IN OUR FACTORY WE HAVE INSTALLED  
THE BIGGEST TEST BENCH AVAILABLE  
IN SOUTH EUROPE

Fully Certified Test Bench of  
500T capacity & 40M length

High Quality ✓

Fast  
delivery ✓

Reliable  
service ✓



# NETWORK AROUND THE GLOBE

D. Koronakis S.A. has built a strong network of international stock points (depots) in the most key locations/ports around the globe in order to provide a 24/7 service and delivery possibilities in all continents.





**SUPER** YACHTS

ME  
YACHTS





# Luxury yachts

deserve to be equipped with unique mooring lines.

## **SUPER YACHTS** **MEGA YACHTS**

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Both terms, super yacht & mega yacht refer to very expensive, privately owned, luxury yachts which are professionally crewed. A luxury yacht may be either a sailing or motor yacht.

Mega yachts began to appear at the beginning of the 20th century when wealthy individuals constructed large private yachts for personal pleasure. During the last two decades, there was a massive growth in the number, size and popularity of large private or super luxury yachts.

Nowadays, a typical mega yacht starts from 60 mts length while the minimum super yacht length is set to 80 mts.

Recently, we also refer to Giga - Yachts, as the trend is to build larger and larger luxury yachts that can exceed 180 mts.

## SUPER YACHTS KAPA NEEMA PLUS

Kapa Neema Plus consists of a UHMWPE braided (dyneema) core. In addition to all advantages of the Kapaneema ropes, the load bearing core(s) is fully protected by an extra strong braided jacket that can be from high tenacity colored anti-abrasive yarns.

It can be also from other different fibers upon customer's request. This provides very high abrasion resistance, extra protection to high temperatures and 100% protection of the core from UV radiation. Also, it protects the core from sand and salt penetration. The main advantage over non-jacketed ropes is that the Kapaneema Plus rope maintains its shape (cylindrical) while under load.

These ropes are produced and tested in accordance with ISO 10325, ISO 2307 and ISO 9554.

Dimensions from  
6mm to 96mm  
are Type Approved  
Cert.No 17/00022



# KAPA NEEMA PLUS

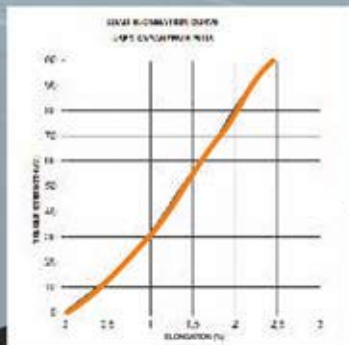


# SUPER LIGHT

rope

## KAPANEEMA PLUS ULTRA HIGH MODULUS POLYETHYLENE FIBER ROPE SK - 78 DYNEEMA CORE

Size		WITH 100% HIGH TENACITY POLYESTER JACKET			WITH DYNEEMA OR UHMPE JACKET		
		Weight		M.B.L.	Weight		M.B.L.
Diam.(mm)	Circ.(inch)	Kgs/ 100 m	Kgs/ 220 m	(tonnes)	Kgs/ 100 m	Kgs/ 220 m	(tonnes)
6	¾"	5.20	11.50	3.10	3.60	8.00	3.10
8	1"	6.40	14.10	5.48	4.80	10.70	5.48
10	1 ¼"	7.80	17.20	8.21	6.30	13.80	8.21
12	1 ½"	11.50	25.40	11.86	10.20	22.40	11.86
14	1 ¾"	13.90	30.50	16.43	12.50	27.50	16.43
16	2"	20.00	44.00	20.99	16.60	36.40	20.99
18	2 ¼"	23.10	50.80	27.01	19.70	43.20	27.01
20	2 ½"	29.20	64.20	32.86	23.00	50.60	32.86
22	2 ¾"	32.90	72.50	40.16	29.30	64.50	40.16
24	3"	43.80	96.30	47.46	33.10	72.70	47.46
26	3 ¼"	48.00	105.60	55.67	37.30	82.00	55.67
28	3 ½"	69.60	153.20	64.80	45.50	100.20	64.80
30	3 ¾"	74.30	163.50	73.93	52.30	115.00	73.93
32	4"	77.20	169.70	79.40	55.10	121.20	79.40
34	4 ¼"	81.60	179.60	83.97	62.50	137.50	83.97
36	4 ½"	87.80	193.10	95.83	68.60	150.90	95.83
38	4 ¾"	97.70	214.80	106.78	74.30	163.40	106.78
40	5"	104.20	229.30	119.56	84.50	186.00	119.56



# KAPA EXTENSION LOOP

## MOORING LINES

### KAPA EXTENSION LOOP

High Tenacity Polyester or Polyamide tails complete the Kapa Neema Plus mooring system. A light - durable - small in diameter system when connected with the Kapa tail offers a safe solution. These tails absorb all the shock load of the line but also protect the main rope from wear and fatigue. They can easily and economically be replaced.

EXAMPLE COMPARISON FOR MOORING LINES WITH THE POLYESTER AND DYNEEMA ROPES

SYSTEM 1		SYSTEM 2
Mooring Line POLYESTER or NYLON	Mooring Line KAPANEEMA PLUS	KAPA Tail
Diam.(mm)	Diam.(mm)	Diam.(mm)
40 mm	24 mm	48 mm
48 mm	28 mm	52 mm
52 mm	34 mm	64 mm



Kapa Neema Plus ropes consist an extremely light mooring system. Minimum diameter, high BL and flexibility on use are the main advantages of using these ropes on a mega yacht. Kapa Neema Plus ropes must be accompanied at all times with robust synthetic tails for a safe mooring.

## KEY CHARACTERISTICS

- Extremely low stretch characteristics of less than 1,5%.
- Very durable construction
- Very high BL in smallest diameter and lowest weight
- Winch stability
- Non kinking, non hockling
- Non rotating, torque free
- UV stabilised perfectly
- Colour variety is available

## FEATURES



**MATERIAL :**  
DYNEEMA® and high density Polyester (fibers)



**MELTING POINT:**  
147°C - 270°C



**SPECIFIC GRAVITY:**  
0.97 to 1.10



**ELONGATION AT BREAK:**  
3% - 2.4%



**WATER ABSORPTION:**  
Depending on jackets mass



**UV RESISTANCE:**  
Excellent



**WEIGHT:**  
1/6 approximately of same diameters wire rope



**CONSTRUCTION:**  
UHMPE load bearing cores with a polyester protective cover that ensures uniformity while in use



**TREATMENT:**  
For marine applications



**ABRASION RESISTANCE:**  
Excellent



**CHEMICAL RESISTANCE:**  
Good



**STRENGTH:**  
The same wet or dry



**CORE + JACKET:**  
Various depending on application

### SUPER YACHTS KAPA MARINE ropes 12 & 24 strands

This rope series is considered the most successful mooring rope in the world! A very soft, flexible and easy to handle construction that offers safety on board.

The concept of developing this line was to produce a product made of excellent yarns, with only advantages towards all other mooring ropes; to produce a much safer and stronger product made of raw materials of the highest specifications. A big advantage of Kapa Ropes is that they enable the crew to make perfect splices in zero time.

The Kapa Ropes are available in 3 qualities:  
Nylon (Polyamide) – Polyester – Flex.



### ADVANTAGES OF KAPA CONSTRUCTION

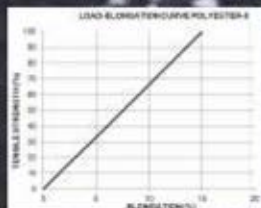
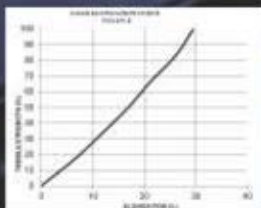
- Non rotating, torque free
- Superior abrasion resistance
- No kicking-no hockling
- Excellent grip
- Longer service life (estimated 1:2,25)
- Very flexible and soft (wet or dry)
- Greater bearing surface
- Easy, comfortable handling
- Easy-spliced construction
- Ideal for auto winches

## KAPA TWILL ROPES 12 @ 24 STRANDS

Size		Kapa NYLON		Kapa POLYESTER		Kapa FLEX	
		Weight Kgs / 100 m	M.B.L. (tonnes)	Weight Kgs / 100 m	M.B.L. (tonnes)	Weight Kgs / 100 m	M.B.L. (tonnes)
Diam. (mm)	Circ. (inch)						
6	¾ "	2.37	0.82	2.73	0.61	2.21	0.74
8	1 "	4.19	1.48	4.80	1.07	3.90	1.32
10	1 1/4 "	6.50	2.28	7.60	2.50	5.85	2.09
12	1 1/2 "	9.37	3.30	10.90	3.00	8.58	3.00
14	1 ¾ "	12.80	4.50	15.00	3.70	11.83	4.15
16	2 "	16.60	5.83	19.40	4.20	14.00	5.30
18	2 ¼ "	21.00	7.37	24.60	4.80	18.00	6.70
20	2 ½ "	26.00	9.13	30.00	6.00	21.65	8.30
22	2 ¾ "	31.40	11.00	35.00	7.50	26.62	10.00
24	3 "	37.30	13.20	44.00	8.50	31.46	12.00
26	3 ¼ "	44.15	15.40	49.50	10.50	36.90	14.00
28	3 ½ "	50.00	18.00	62.00	18.00	42.95	15.80
30	3 ¾ "	57.00	21.00	72.00	21.00	49.00	18.00
32	4 "	65.00	24.00	81.00	24.00	55.00	24.00
34	4 ¾ "	73.50	27.00	92.00	27.00	63.00	27.00
36	4 ½ "	82.00	30.00	103.00	30.00	71.00	30.00
38	4 ¾ "	92.00	33.50	115.00	33.50	80.00	33.00
40	5 "	102.00	37.00	127.00	37.00	89.00	36.00
44	5 ½ "	123.00	45.00	155.00	45.00	105.00	41.00
48	6 "	146.00	53.00	184.00	54.00	127.00	49.00
52	6 ½ "	172.00	63.00	215.00	63.00	150.00	57.00
56	7 "	199.00	73.00	250.00	74.00	172.00	64.00
60	7 ½ "	229.00	83.00	287.00	84.00	199.00	74.00
64	8 "	260.00	95.00	325.00	96.00	223.00	82.00

M.B.L. mentioned on tables is valid for pure white colour yarns

# KAPA TWILL



## KAPA DOUBLE BRAIDED MULTI STRAND ROPES

Size		DOUBLE BRAIDED NYLON + NYLON		DOUBLE BRAIDED POLYESTER+POLYESTER	
		Weight Kgs/100 m	M.B.L. (tonnes)	Weight Kgs/100 m	M.B.L. (tonnes)
Diam.(mm)	Circ.(inch)				
6	¾ "	2.37	0.82	2.73	0.61
8	1 "	4.19	1.48	4.80	1.07
10	1 1/14 "	6.50	2.28	7.60	2.50
12	1 1/12 "	9.37	3.30	10.90	3.00
14	1 ¾ "	12.80	4.50	15.00	3.70
16	2 "	16.60	5.83	19.40	4.20
18	2 ¼ "	21.00	7.37	24.60	4.80
20	2 ½ "	26.00	9.13	30.00	6.00
22	2 ¾ "	31.40	11.00	35.00	7.50
24	3 "	37.30	13.20	44.00	8.50
26	3 ¼ "	44.15	15.40	49.50	10.50
28	3 ½ "	51.00	17.38	60.00	11.70
30	3 ¾ "	58.70	19.80	68.00	19.50
32	4 "	64.00	22.00	82.00	21.00
34	4 3/8 "	72.50	25.00	92.50	24.00
36	4 ½ "	81.00	28.00	103.00	27.00
38	4 ¾ "	90.30	31.50	115.50	30.00
40	5 "	99.50	35.00	128.00	33.00
44	5 ½ "	120.00	42.00	154.00	40.00
48	6 "	143.00	50.00	184.00	47.00
52	6 ½ "	168.00	59.00	216.00	55.00
56	7 "	195.00	68.00	250.00	63.00
60	7 ½ "	224.00	78.00	287.00	72.00
64	8 "	255.00	88.00	326.00	82.00

MBL mentioned on tables is valid for pure white color yarns



# MOORING LINES

## KAPA braid on braid

A very soft and flexible double braid construction which combines high stretch and shock absorbing characteristics. The double braid construction consists of a load-sharing core and an anti-abrasion braided cover.

Kapa Double braid mooring ropes are made of the highest quality raw materials and are available in 2 basic qualities:  
Nylon and Polyester.

### KAPA MARINE FEATURES



**MATERIAL :**  
Nylon (Polyamide)  
Polyester  
Flex



**MELTING POINT:**  
NYLON 220°C  
POLYESTER 270°C  
FLEX 160°/270°C



**SPECIFIC GRAVITY:**  
NYLON 1.14  
POLYESTER 1.40  
FLEX 1.10



**ELONGATION AT BREAK:**  
NYLON 25-30%  
POLYESTER 12-14%  
FLEX 15%



**WATER ABSORPTION:**  
NYLON 4%  
POLYESTER 4%  
FLEX Max 1%



**UV RESISTANCE:**  
Very good



**CONSTRUCTION:**  
12, 24 or 36 strands



**ABRASION RESISTANCE:**  
Very good



**CHEMICAL RESISTANCE:**  
Good



**COLOR:**  
On customers request



# SUPER YACHTS KAPA MARINE ROPES

Kapa Marine Ropes, **12 & 24 strand** line is also available in floating series. This line is extremely light yet very strong. Ideal rope for offshore mooring and towing.

Available in 3 qualities:

**Oceanic F - Float (PP-PE) - UHMPE/DYNEEMA**

**Special tip:** Choose hi-vis ropes for mooring to rocks and trees.



OFFSHORE MOORING/TOWING

OCEANIC F  
FLOAT (PP-PE)



		Kapa OCEANIC F		Kapa FLOAT		KAPANEEMA	
Size		Weight	M.B.L.	Weight	M.B.L.	Weight	M.B.L.
Diam.(mm)	Circ.(inch)	Kgs / 100 m	(tonnes)	Kgs / 100 m	(tonnes)	Kgs / 100 m	(tonnes)
6	¾ "	1.70	0.70	2.21	0.74	2.30	3.60
8	1 "	3.00	1.12	3.90	1.32	3.90	6.10
10	1¼ "	4.50	1.99	5.85	2.09	5.80	9.00
12	1½ "	6.60	2.85	8.58	3.00	8.30	13.00
14	1¾ "	9.10	3.95	11.83	4.15	11.30	17.60
16	2 "	11.60	5.10	14.00	5.30	14.70	23.10
18	2¼ "	14.90	6.50	18.00	6.70	18.60	29.20
20	2½ "	17.90	7.40	21.65	8.30	23.00	36.00
22	2¾ "	22.00	9.10	26.62	10.00	27.80	43.60
24	3 "	26.00	10.50	31.46	12.00	33.20	52.00
26	3¼ "	30.50	12.70	36.90	14.00	39.00	61.10
28	3½ "	35.50	14.00	42.95	15.80	45.20	71.80
30	3¾ "	40.50	16.00	47.00	18.00	51.90	81.20
32	4 "	46.00	18.00	49.00	22.00	59.00	92.40
34	4¾ "	52.50	19.50	56.00	24.50	63.90	100.10
36	4½ "	59.00	21.00	63.00	27.00	71.40	111.80
38	4¾ "	65.00	25.00	71.50	29.50	79.90	125.10
40	5 "	71.00	29.00	80.00	32.00	88.20	138.20
44	5½ "	88.00	35.00	98.00	39.00	106.70	167.10
48	6 "	104.00	42.00	116.00	46.00	126.50	198.10
52	6½ "	123.00	47.00	137.00	53.00	142.80	226.60
56	7 "	142.00	55.00	159.00	61.00	164.90	258.20
60	7½ "	164.00	62.00	183.00	70.00	189.00	277.60

## OFFSHORE / TOWING

# Roundless Slings

Kapa Oceanic F and/or Kapaneema floating ropes can be easily connected with roundless fiber-made slings and create an extra light and safe offshore mooring system.



Ultra light, metallic free offshore mooring system



# KAPA Hi Vis Rope Reflective Tape

Superior visibility, easily discernible at night and ideal for low light applications!



UHMPE/DYNEEMA

## FEATURES



**MATERIAL :**  
Polyolefin - Pes  
UHMPE



**MELTING POINT:**  
OCEANIC F 170°C  
FLOAT 160-270°  
UHMPE 150°C



**SPECIFIC GRAVITY:**  
OCEANIC 0.98  
FLOAT 0.99  
UHMPE 0.97



**ELONGATION AT BREAK:**  
OCEANIC 14%  
FLOAT 12%  
UHMPE 4% new rope  
UHMPE 2.5 % used rope



**WATER ABSORPTION:**  
OCEANIC 1%  
FLOAT 0.5%  
UMPHE 0%



**UV RESISTANCE:**  
Very good



**CONSTRUCTION:**  
12 & 24 strands



**ABRASION RESISTANCE:**  
Very good



**CHEMICAL RESISTANCE:**  
Good

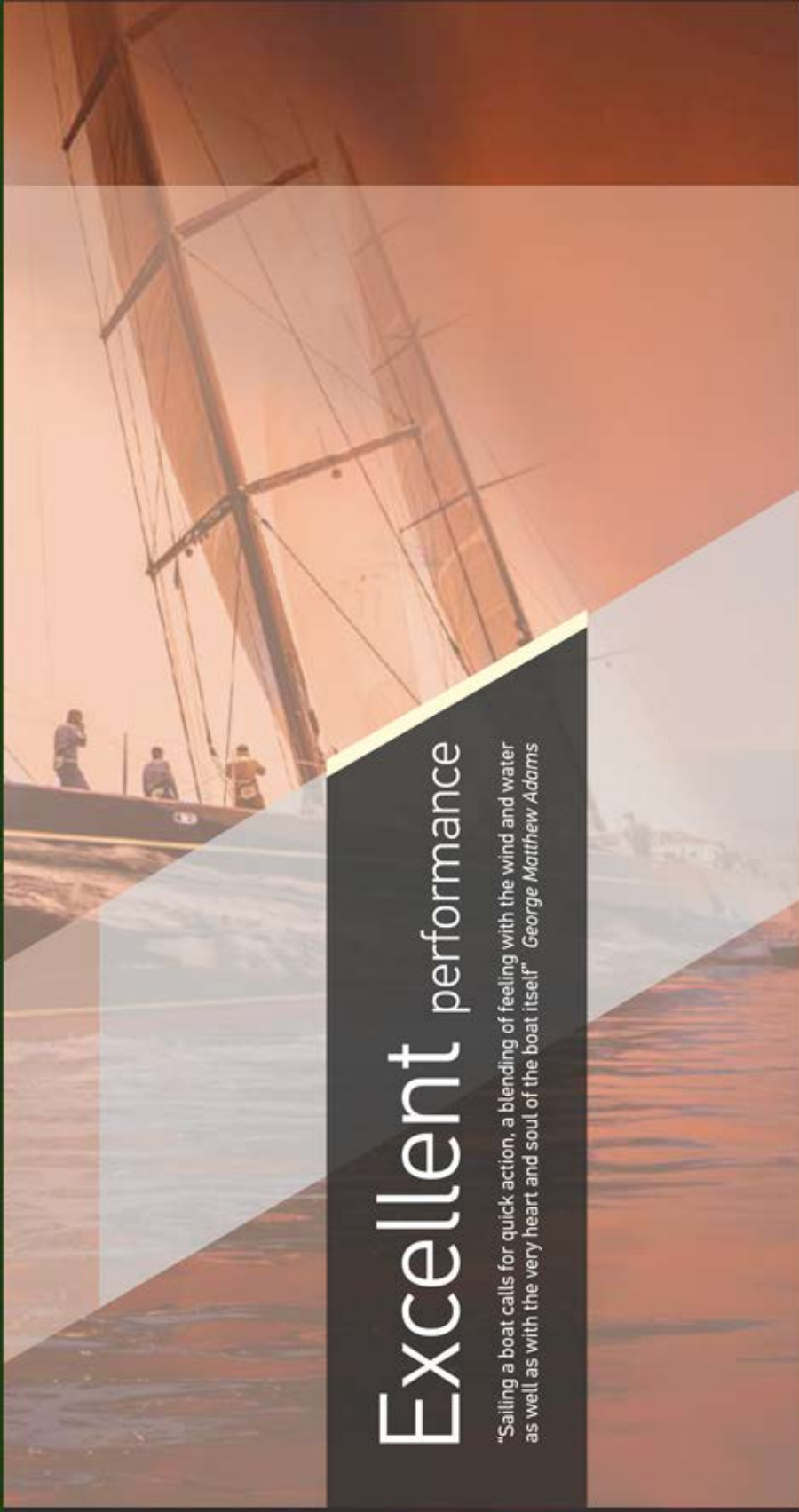


**COLOR:**  
On customers request



# SAILING BOATS

## **SAILING** BOATS



# Excellent performance

“Sailing a boat calls for quick action, a blending of feeling with the wind and water as well as with the very heart and soul of the boat itself” *George Matthew Adams*

## SAILING BOATS

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Sailing is considered a sport, a hobby but also a lifestyle for some people. Our company provides a variety of ropes and other accessories for competitive sailing and racing that meet the Racing Rules of Sailing.

## RACING KAPA NEEMA RACING

A very strong pre-stretched rope made of 100% Dyneema fibers impregnated with Kapa Coating for extremely well protection against abrasion & wear and UV stability. The 12-strand construction enables the crew to make, fix or re-adjust splices in a few seconds only. An ideal rope for halyards.

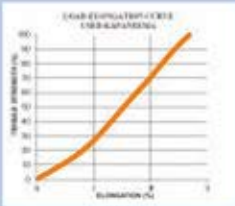


### ASSETS

- Extremely low stretch characteristics of less than 1%
- Very durable construction
- Perfect grip in cleats and stoppers
- Perfect abrasion resistance
- Floating line
- Easy to splice
- Very high BL in smallest diameter and lowest weight
- Colour variety is available







## KAPANEEMA RACING

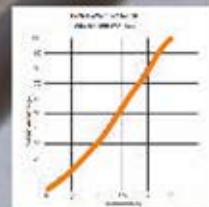
### ULTRA HIGH MODULUS POLYETHYLENE FIBER ROPES

Diam.(mm)	Size	Circ.(inch)	Weight		M.B.L. (tonnes)
			Kgs/ 100 m	Kgs/ 220 m	
6		¾"	2.30	5.10	3.60
8		1"	3.90	8.60	6.10
10		1 ¼"	5.80	12.70	9.00
12		1 ½"	8.30	18.26	13.00
14		1 ¾"	11.30	24.86	17.60
16		2"	14.70	32.40	23.10
18		2 ¼"	18.60	41.00	29.20
20		2 ½"	23.00	50.60	36.00
22		2 ¾"	27.80	61.20	43.60
24		3"	33.20	73.10	52.00
26		3 ¼"	39.00	85.80	61.10
28		3 ½"	45.20	99.40	71.80
30		3 ¾"	51.90	114.18	81.20
32		4"	59.00	129.80	92.40
34		4 ¼"	63.90	140.60	100.10
36		4 ½"	71.40	157.10	111.80
38		4 ¾"	79.90	175.78	125.10
40		5"	88.20	194.10	138.20
42		5 ¼"	97.50	214.40	152.60
44		5 ½"	106.70	234.70	167.10
46		5 ¾"	116.60	256.50	182.60
48		6"	126.50	278.30	198.10
50		6 ¾"	131.80	289.90	206.40
52		6 ½"	142.80	314.20	226.60
54		6 ¾"	153.80	338.40	240.90
56		7"	164.90	362.70	258.20
60		7 ½"	189.00	415.80	277.60
64		8"	215.30	473.60	296.40



## KAPANEEMA PLUS RACING

Size		WITH 100% HIGH TENACITY POLYESTER JACKET			WITH DYNEEMA OR UHMPE JACKET		
		Weight		M.B.L.	Weight		M.B.L.
Diam.(mm)	Circ.(inch)	Kgs/ 100 m	Kgs/ 220 m	(tonnes)	Kgs/ 100 m	Kgs/ 220 m	(tonnes)
6	¾"	5.20	11.50	3.10	3.60	8.00	3.10
8	1"	6.40	14.10	5.48	4.80	10.70	5.48
10	1 ¼"	7.80	17.20	8.21	6.30	13.80	8.21
12	1 ½"	11.50	25.40	11.86	10.20	22.40	11.86
14	1 ¾"	13.90	30.50	16.43	12.50	27.50	16.43
16	2"	20.00	44.00	20.99	16.60	36.40	20.99
18	2 ¼"	23.10	50.80	27.01	19.70	43.20	27.01
20	2 ½"	29.20	64.20	32.86	23.00	50.60	32.86
22	2 ¾"	32.90	72.50	40.16	29.30	64.50	40.16
24	3"	43.80	96.30	47.46	33.10	72.70	47.46
26	3 ¼"	48.00	105.60	55.67	37.30	82.00	55.67
28	3 ½"	69.60	153.20	64.80	45.50	100.20	64.80
30	3 ¾"	74.30	163.50	73.93	52.30	115.00	73.93
32	4"	77.20	169.70	79.40	55.10	121.20	79.40
34	4 ¼"	81.60	179.60	83.97	62.50	137.50	83.97
36	4 ½"	87.80	193.10	95.83	68.60	150.90	95.83
38	4 ¾"	97.70	214.80	106.78	74.30	163.40	106.78
40	5"	104.20	229.30	119.56	84.50	186.00	119.56
42	5 ¼"	135.90	299.10	131.42	90.70	199.40	131.42
44	5 ½"	143.90	316.70	146.94	100.00	220.00	146.94
46	5 ¾"	160.50	353.20	164.99	112.30	247.10	164.99
48	6"	169.50	373.00	181.86	131.50	289.20	181.86
50	6 ¼"	176.50	388.40	194.99	138.50	304.60	194.99
52	6 ½"	186.00	409.30	212.80	148.00	325.50	212.80
54	6 ¾"	207.30	456.10	228.74	156.50	344.20	228.74
56	7"	218.30	480.30	249.36	173.60	381.80	249.36
60	7 ½"	244.40	537.70	261.48	182.60	401.60	261.48
64	8"	271.80	598.00	300.15	203.60	447.80	300.15



# RACING

## KAPA NEEMA PLUS RACING

Kapa Neema Plus Racing consists of ultra high molecular weight polyethylene fiber and a robust polyester jacket that ensures stability and uniformity while in use. It is a low stretch construction, pre-stretched and heat-treated, ideal for halyards and sheets. Perfect rope for auto-winches.

### ASSETS

- Extremely low stretch characteristics of less than 1,5%.
- Very durable construction
- Very high BL in smallest diameter and lowest weight
- Winch stability
- Non kinking, non hockling
- Non rotating, torque free
- UV stabilised perfectly
- Colour variety is available

### FEATURES



**MATERIAL :**  
DYNEEMA® and high density Polyester (fibers)



**MELTING POINT:**  
KAPANEEMA 150°C  
KAPANEEMA PLUS 147°C-270°C



**SPECIFIC GRAVITY:**  
0.97 to 1.10



**ELONGATION AT BREAK:**  
2.5-4%



**WATER ABSORPTION:**  
Depending on jackets mass



**UV RESISTANCE:**  
Excellent



**WEIGHT:**  
1/6 approximately of same diameter wire rope



**CONSTRUCTION:**  
UHMPE load bearing cores with a polyester protective cover that ensures uniformity while in use, if required



**TREATMENT:**  
For marine applications



**ABRASION RESISTANCE:**  
Excellent



**CHEMICAL RESISTANCE:**  
Good



**STRENGTH:**  
The same wet or dry



**CORE:**  
Various depending on application



## KAPA TAPE 4



KAPA TAPE 4® is a high performance DOUBLE braided polyester rope, ideal for performance catamarans, sport boats as well as sailing boats. Ideal rope for main sail and head sail.

### KEY FEATURES

- Extremely Low stretch characteristics of less than 1%
- Sub rope core and jacket cover are perfectly compiled without any slippery problems
- Very durable construction
- Perfect grip in cleats and stoppers
- Perfect abrasion resistance
- Colour variety is available

## KAPA TAPE 3

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KAPA TAPE 3® polyester ropes are made from high TENACITY efficiency sub-rope cores, laid parallel within an outer braided jacket.

An easy to handle rope for all around sheet and spinnaker.

### KEY FEATURES

- A torque neutral construction
- Extremely Low stretch characteristics of 2%
- Sub rope core and jacket cover are perfectly compiled without any slippery problems
- Colour variety is available
- Easy grip and easy handle



## KAPA TAPE 4

Size		Weight		M.B.L. (tonnes)
Diam.(mm)	Circ.(inch)	Kgs / 100 m	Kgs / 220 m	
6	¾ "	2.73	6.00	0.48
8	1 "	4.80	10.60	1.19
10	1 1/14 "	9.50	20.90	1.83
12	1 1/12 "	10.90	24.00	2.60
14	1 ¾ "	14.90	32.80	3.50
16	2 "	19.40	42.70	4.51
18	2 ¼ "	24.60	54.20	5.65
20	2 ½ "	30.30	66.70	6.90
22	2 ¾ "	36.70	80.80	8.27
24	3 "	45.20	99.50	9.96
26	3 ¼ "	51.20	112.70	11.42
28	3 ½ "	59.40	130.70	13.14
30	3 ¾ "	69.20	152.30	15.01



### KAPA TAPE 3

Size		Weight		M.B.L. (tonnes)
Diam.(mm)	Circ.(inch)	Kgs / 100 m	Kgs / 220 m	
6	¾ "	2.73	6.00	0.48
8	1 "	4.80	10.60	1.19
10	1 1/16 "	9.50	20.90	1.83
12	1 1/12 "	10.90	24.00	2.60
14	1 ¾ "	14.90	32.80	3.50
16	2 "	19.40	42.70	4.51
18	2 ¼ "	24.60	54.20	5.65
20	2 ½ "	30.30	66.70	6.90
22	2 ¾ "	36.70	80.80	8.27
24	3 "	45.20	99.50	9.96
26	3 ¼ "	51.20	112.70	11.42
28	3 ½ "	59.40	130.70	13.14
30	3 ¾ "	69.20	152.30	15.01



## TWISTED ROPES (3 & 4 STRANDS) BRAIDED ROPES (8 STRANDS)

Twisted ropes have developed over a long period of time with the only real evolution being the material used that has changed from natural fibers to man – made (artificial) fibers.

This change of fiber gave the construction higher strength and longer life.

Today, twisted ropes are preferred for most simple applications because of their flexibility, knot making ability, splicing and easy handling in small diameters.

The 4 - strand ropes have a slightly firmer lay than the 3 - strand ones, since they are round ropes with more outside surface, more traction on sheaves and objects.

D.KORONAKIS S.A. produces twisted ropes from the following materials:

### NYLON

- High tenacity yarns
- High elongation characteristics
- High stretch - high strength fibers
- UV resistant o Sinkable ropes

### POLYESTER

- Excellent Fatigue life
- Increased service life
- Low stretch - high strength fibers
- Excellent weather & abrasion resistance
- Sinkable ropes

### SIZAL & MANILA

- Made of high quality natural fibers
- Hygroscopic
- Friendly for environment
- Excellent weather & abrasion resistance

### POLYPROPYLENE

- They can be of split film or monofilaments twines
- Light weight o Waterproof
- Low stretching at work load
- Abrasion resistant
- All strands of the rope can be double twisted
- Floating ropes

### OCEANIC

- Flat filaments, a mixture of polypropylene - polyethylene co-extruded
- One of the strongest floating ropes
- Reduced friction internal and external
- of Increased flexibility
- Easy handling
- UV resistant





**TWISTED ROPES (3 @ 4 strands)  
BRAIDED ROPES (8 strands)**

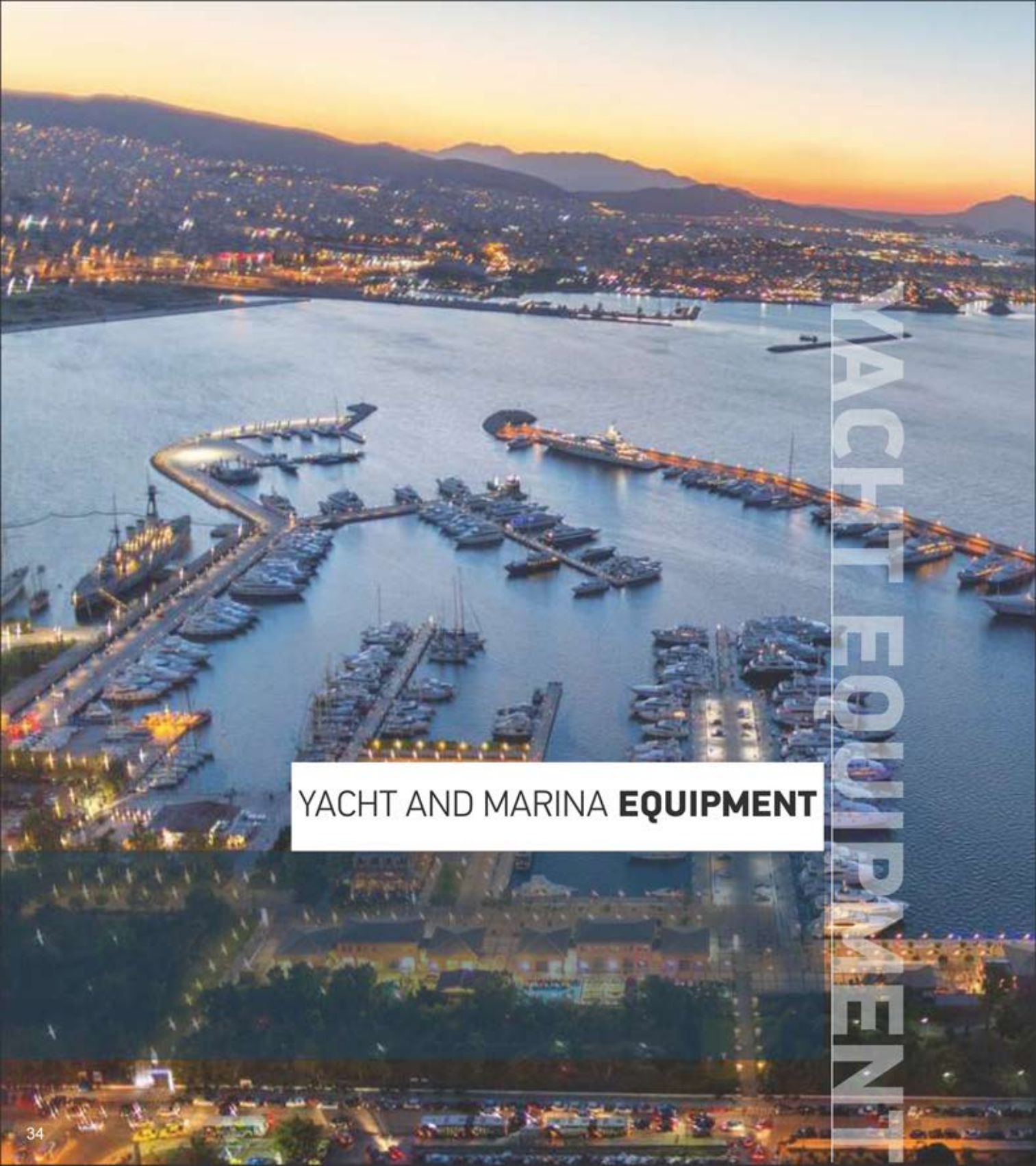
**TWISTED & BRAIDED ROPES**

Size		POLYPROPYLENE			OCEANIC			NYLON/POLYAMIDE			POLYESTER		
Diam.(mm)	Circ.(inch)	Weight		M.B.L. (tonnes)	Weight		M.B.L. (tonnes)	Weight		M.B.L. (tonnes)	Weight		M.B.L. (tonnes)
		Kgs/ 100 m	Kgs/ 270 m		Kgs/ 100 m	Kgs/ 270 m		Kgs/ 100 m	Kgs/ 270 m		Kgs/ 100 m	Kgs/ 270 m	
6	¾"	1.63	3.59	0.60	1.63	3.59	0.69	2.22	4.88	0.80	2.73	6.00	0.61
8	1"	2.89	6.36	1.02	2.89	6.36	1.19	3.95	8.69	1.40	4.80	10.56	1.07
10	1 ¼"	4.52	9.94	1.57	4.52	9.94	1.83	6.17	13.57	2.16	7.58	16.68	1.65
12	1 ½"	6.51	14.32	2.20	6.51	14.32	2.59	8.88	19.53	3.07	10.90	23.98	2.34
14	1 ¾"	8.86	19.49	2.94	8.86	19.49	3.47	12.10	26.62	4.08	14.90	32.78	3.15
16	2"	11.60	25.52	3.77	11.60	25.52	4.43	15.80	34.76	5.29	19.40	42.68	4.06
18	2 ¼"	14.60	32.12	4.71	14.60	32.12	5.56	20.00	44.00	6.56	24.60	54.12	5.09
20	2 ½"	18.10	39.82	5.72	18.10	39.82	6.75	24.70	54.34	8.08	30.30	66.66	6.22
22	2 ¾"	21.90	48.18	6.84	21.90	48.18	8.06	29.90	65.78	9.58	36.70	80.74	7.45
24	3"	26.00	57.20	8.03	26.00	57.20	9.46	35.50	78.10	11.42	45.20	99.44	8.97
26	3 ¼"	30.60	67.32	9.33	30.60	67.32	10.91	41.70	91.74	14.15	51.20	112.64	10.29
28	3 ½"	35.40	77.88	10.70	35.40	77.88	12.54	48.40	106.48	15.19	59.40	130.68	11.83
30	3 ¾"	40.70	89.54	12.13	40.70	89.54	13.66	55.50	122.10	17.23	69.20	152.24	13.52
32	4"	46.30	101.86	13.66	46.30	101.86	14.37	63.20	139.04	19.58	77.60	170.72	15.30
34	4 ¼"	52.00	114.40	15.18	52.00	114.40	16.11	71.00	156.20	21.90	87.60	191.40	17.10
36	4 ½"	58.60	128.92	17.03	58.60	128.92	17.84	80.00	176.00	24.47	98.20	216.04	19.17
38	4 ¾"	65.00	143.00	18.53	65.00	143.00	19.67	89.00	195.80	27.00	109.00	239.80	21.08
40	5"	72.30	159.06	20.80	72.30	159.06	21.51	98.70	217.14	30.00	121.00	266.20	23.45

**NATURAL FIBRE ROPES**

**NATURAL FIBER ROPES**

Size		MANILA						SISAL				
Diam.(mm)	Circ.(inch)	Weight			Br.Strength (tonnes)			Weight			Br.Strength (tonnes)	Long Hemp Br.Strength (tonnes)
		100 m ca Kgs	200 m ca Kgs	120 Fath. ca lbs	Grade I	Grade II	Merchant Quality	100 m ca Kgs	200 m ca Kgs	120 Fath. ca lbs		
6	¾"	2.90	6.40	14	0.29	0.27	0.31	2.90	6.40	14¼	0.27	0.30
8	1"	5.40	11.70	26¼	0.55	0.48	0.60	5.10	11.20	24½	0.48	0.52
10	1 ¼"	6.80	15.00	33	0.71	0.64	0.78	8.00	18.00	39	0.64	0.80
12	1 ½"	10.50	23.00	51	1.07	0.96	1.17	12.00	26.00	58	0.96	1.20
14	1 ¾"	14.00	31.00	68	1.45	1.29	1.60	15.00	33.00	74	1.29	1.53
16	2"	19.00	42.00	92	2.03	1.81	2.25	20.00	44.00	97	1.81	2.02
18	2 ¼"	22.00	48.00	106	2.44	2.14	2.70	25.00	55.00	121	2.14	2.40
20	2 ½"	27.50	61.00	133	3.25	2.85	3.55	31.00	68.00	150	2.85	3.09
22	2 ¾"	33.00	73.00	160	3.86	3.41	4.25	37.00	82.00	181	3.41	3.70
24	3"	40.00	88.00	194	4.57	4.07	5.05	45.00	98.00	215	4.07	4.40
26	3 ¼"	46.60	103.00	226	5.33	4.70	5.90	53.00	116.00	254	4.70	5.20
28	3 ½"	53.20	117.00	257	6.09	5.33	6.75	61.00	133.00	293	5.33	6.00
32	4"	70.00	154.00	339	7.88	6.87	8.65	80.00	175.00	385	6.87	7.85
36	4 ½"	89.00	196.00	431	9.65	8.64	10.80	101.00	222.00	487	8.64	10.42
40	5"	110.00	242.00	532	11.94	10.42	13.00	124.00	273.00	600	10.42	12.13



YACHT EQUIPMENT

YACHT AND MARINA **EQUIPMENT**



# Complete coverage

For Marinas, Yachts and floating pontoons

## YACHT EQUIPMENT

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A big variety of synthetic ropes, wire ropes, anchors and anchor chains and a vast list of different accessories for yacht and marina equipment are available in our stock.

With a 24/7 service and immediate delivery we can serve any customer's need.

## MARINA AND YACHT EQUIPMENT

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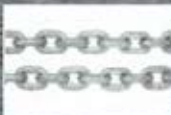
In addition to the products which are produced in-house, our company established a yachting equipment department. In this segment we import from the entire world and commercialize in the Greek market the most famous and reliable yachting accessories and equipment.



- High quality ropes for all marine needs
- Bow thrusters CRAFTSMAN
- Hydraulic gangways
- Electrical & Hydraulic windlasses and winches ITALWINCH
- Original Anchors Delta, Bruce and Britany
- Calibrated steel and inox chains
- Inox swivels KONG
- Inflatable tenders
- Life rafts-under iso and solas
- Solas life jackets and inflatable lifejackets
- All kind of safety equipment
- Windex
- Fenders POLYFORM
- Fender covers
- Blocks
- Controls and control cables
- Manual and electrical toilets with full range of spare parts

- Air conditions
- Refrigerators
- Water heaters
- All kind of marine batteries
- Battery chargers
- Solar chargers
- Solar panels – rigid and semi flexible monocrystal
- Isolators
- Navigation lights and fans HELLA MARINE
- All kind of pumps and accessories
- Electrical equipment MZ ELECTRONIC
- Antennas vhf TV ka
- Sun shading accessories
- Marine coatings

Any other equipment is available upon request





# YACHT EQUIPMENT



# KAPA CUSTOM - MADE WE CREATE TOGETHER! WE DESIGN FOR YOU...

The Kapa Rope Series is designed to satisfy every taste you may have. You can choose the ideal rope for you from a big variety of colors or even from a personal combination of colors to perfectly match your boat. We can also offer you matching ropes for mooring, long lines, fenders and tenders. These fancy lines complete the custom-made ropes for your yacht and only!

## SPLICED END OPTIONS

SPECIAL KAPA PROTECTION (BRAIDED) <sup>1</sup>  
HANDMADE LEATHER PROTECTION <sup>2</sup>

SPLICED EYE WITH EXTENSION LOOP <sup>3</sup>  
SPLICED EYE WITH THIMBLE <sup>4</sup>



1



2



3



4



# A-Z ROPE NEEDS

FENDER LINES

ROPES FOR TENDERS FENDERS & TOYS



COMPLETE SETS



## COLOR OPTIONS

The fancy lines that complete the custom made line for a yacht!  
Twisted, braided, flat lines at any combination of colors!



## WHAT ROPE TO USE

What Rope to use for my boat ?

What size and how much line?

The size, length and type of line will depend on a number of factors including the length, weight and type of boat.

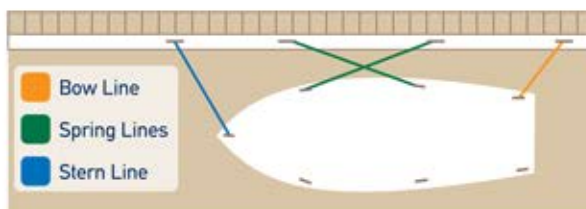
The following information is intended as a guide only. Docking in exposed waters, strong winds or tides may require larger or additional liners.

Boat Length	Dock Line	Anchor Line	Mooring Pendant
up to 20'	3/8"	3/8"	1/2"
20'-30'	1/2"	1/2"	5/8"
30'-35'	1/2"	1/2"	3/4"
35'-40'	1/2"	5/8"	7/8"
40'-45'	5/8"	3/4"	1"
45'-55'	5/8"	7/9"	1"
55'-65'	3/4"	1"	1 1/4"

Scope is the ratio of water depth to anchor line paid out. A scope of 7:1 will usually achieve appropriate holding power. In crowded anchorages a shorter scope may be required, and in stronger winds a longer scope is recommended.



## WHAT SIZE AND HOW MUCH LINE TO USE FOR MY BOAT?



Formulas for calculating custom dock lines:

- Bow Line =  $1 - 1/2 \times \text{Beam}$
- Spring Lines =  $3/4 \times \text{Length Over All}$
- Stern Line =  $1 - 1/2 \text{ to } 2 \times \text{Beam}$

# WHAT NOT TO DO AND WHAT TO DO

**STOCK IT PROPERLY:** In a sheltered space that permits the flow of air. On a pallet, under normal humidity and temperature conditions. Even if the rope is UV protected, keeping it away from the sunrays as much as you can will extend its active lifetime.

**CHOOSE THE RIGHT SIZE:** A smaller cross - section hawser will wear out sooner and one larger will appear hard to use and expensive. A choice of the right material is an essential condition.

**DO NOT OVERLOAD:** A rope has a safety factor of 5:1, do not ever exceed it because damage to people and material may be caused (hand rails and life lines must normally have a 12:1 safety factor).

**KEEP IT AWAY FROM:** Chemicals, alkaline and particularly from battery fluids. Extended time in such an environment can make the rope useless.

**DO NOT PERMIT:** Wear for no reason at all. Knot and back turns before use. Pulling of the rope over rough surfaces because they act as sand paper. The use without protective material over sharp corners. Big tensions around big angles. The squashing of the rope under weight. The running through small and narrow shaves and pulleys for its diameter.

**KEEP IT CLEAN:** Dirt in a rope increases internal abrasion.

**MAINTENANCE AFTER EVERY USE:** Wash it with water (not sea) - Dry it in the open - Stock it in place according to instructions above. Although our company has invested large sums and made big efforts achieving to reduce most of the problems of ropes to a significant extend even the snap recoiling distance (different according to each material), the following rules must be considered mandatory at all times.

**DO NOT EVER FIND YOURSELF:** In a position between a rope under tension and a heavy movable object or the bulkhead. With one or two feet inside a coil of rope, on the deck, that is used at that time. In the SNAP BACK DANGER ZONE that is defined each time differently depending on the path of the rope on the deck.

**ATTENTION: ACCIDENTS INVOLVING ROPES HAVE THE LARGEST PERCENTAGE AMONG ANY OTHER SORT OF ACCIDENT ON BOARD SHIPS**

All ropes can not be handled in exactly the same way. There are few details that depend on the type or raw material. But if you follow the instructions above in all cases you will be safe and the rope will last considerably longer.



## D. KORONAKIS S.A.

HEAD OFFICE & WAREHOUSE: 56, Gravias Str. 185 45 Piraeus-Greece  
Tel: +30 210 4060600, Fax: +30 210 4615211, +30 210 4612548  
email: [koronakis@koronakis.gr](mailto:koronakis@koronakis.gr), [sales@koronakis.gr](mailto:sales@koronakis.gr)

FACTORY: Eleonas 32200 Thivae GR  
Tel.: +30 22620 71317, Fax: +30 22620 71316

[www.koronakis.gr](http://www.koronakis.gr)

