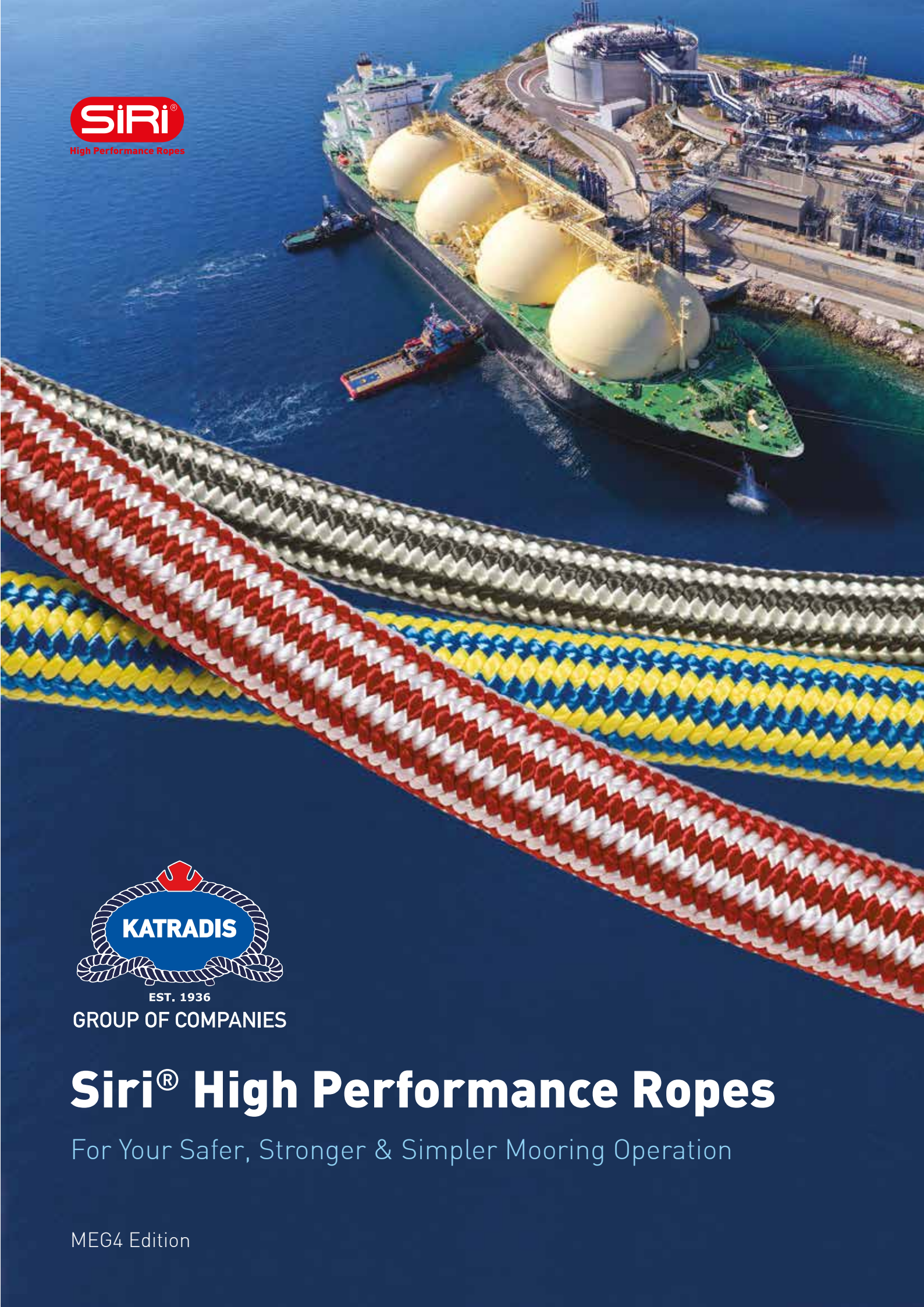




EST. 1936

GROUP OF COMPANIES

Siri® High Performance Ropes

For Your Safer, Stronger & Simpler Mooring Operation

MEG4 Edition





Pioneers of mooring lines

Katradis Group of Companies has a long and distinguished history which goes back to the first half of the twentieth century. The company was established in 1936 by Konstantinos Katradis, operating back then as a ship supplier specializing in high quality mooring ropes.

Currently in the hands of third generation member of the Katradis family, the company has since then become **a pioneer in the field of manufacture of mooring ropes**.

Over the years we have developed extensive expertise in the design and development of **synthetic mooring ropes**, which are our mainline products.

Our rope factory in Greece, whose site covers an area of 30000m², is one of the **most technologically advanced factories in Europe**, manufacturing top quality ropes for the safe mooring of commercial vessels.

KATRADIS Mooring Ropes exhibit excellent performance and durability compared to commonly used ropes even in the most demanding applications.



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Our success

With numbers

10.046

Vessels all around the world trust KATRADIS products

73

Service points all around the world

9.920

Satisfied customers

Over 12.500

Synthetic mooring ropes produced per year

Serving the marine industry since

Since 1936

Memberships



Certifications



Siri® Ropes

**Extremely easy,
strong & safe
mooring ropes**

Linear Structural
Preformation
Technology



The optimal choice for demanding operations

Siri® High Performance Ropes are considered the best ropes for marine and industrial applications and they can be the ideal substitute for wire ropes in applications such as vessel mooring lines, pennant lines for offshore rigs, tow hawsers etc.

Specifically, we offer:

- **High Quality**
- **The Unique Siri® Linear Structural Preformation technology**
- **Superior Service**
- **Robust-Good Practice Construction of rope**
- **Long Experience**

Siri® High Performance Ropes are produced from top quality fibers selected under strict and rigorous evaluation supervision.

All polymeric fibers are provided by some of the world class leading fiber providers like Honeywell, Kuraray and more. Our state-of-the-art manufacturing equipment and innovative design processes lead to high-end performance.



Fiber Specifications

Siri® High Performance ropes are produced according to ISO standards and comply with OCIMF's latest regulations & recommendations of MEG4 (Mooring Equipment Guidelines, 4th edition) for the safe mooring of tanker-LNG-LPG vessels.
UHMWPE =Ultra High Molecular Weight Polyethylene or **HMPE** =High Modulus Polyethylene, **LCP** =Liquid Crystal Polymer

Technical Specifications Of Fibers									
Material	Brand 's Fiber	Specific Gravity	Melting point (°C)	Fiber Tenacity (gr/den)	Elongation at break (%)	creep (0-10)	Abrasion Resistance (0-10)	Water absorption (%)	UV Resistance (0-10)
HMPE	NikaFiber® Spectra® SK78	 0,97	 145	 35	 3	 5	 10	 2	 9
P-Aramid	Kevlar® Twaron®	 1,44	 482	 25	 3,5	 1	 1	 3	 3
P-Aramid co-polymer	Technora®	 1,39	 482	 26	 4,4	 1	 6	 3	 5
LCP	Vectran®	 1,4	 330	 27	 3,6	 1	 10	 0,1	 3

The greener colour indicates more benefits



Linear Structural Preformation - LSP

For enhancing the rope mechanical properties

KATRADIS MARINE ROPES INDUSTRY SA has developed the Linear Structural Preformation, a two-step procedure integrated in the rope manufacturing process.



Coating Process

Polyurethane protection through the whole rope cross section increasing the abrasion resistance



Drying and stretching

Providing uniformity of the total rope length and robust structure

Developed with the co-operation of Chemnitz University.



CHEMNITZ UNIVERSITY
OF TECHNOLOGY

Benefits from the LSP process:

- Increase of tensile strength due to effective orientation of the fibers
- Higher abrasion resistance due to the coating – polyurethane protection on the rope
- Longer service lifetime compared to competitive high modulus ropes

MEG4 certification

Certified ropes according to the latest International Guidelines for mooring - MEG4 (Mooring Equipment Guidelines 4th edition, OCIMF)

Published by OCIMF (Oil Companies International Marine Forum), MEG4 represents the best known mooring practice and reflects the move by the marine industry and regulators towards Human-Centered Design principles.

KATRADIS meets the requirements of OCIMF and provides mooring ropes compliant to MEG4 for the safe mooring of commercial vessels (tankers, bulk carriers, LNG / LPG, etc.).



Advantages of Siri High Performance ropes over wire ropes and conventional synthetic ropes

Katradis Siri High Performance Ropes even though 7-9 times lighter compared to steel wire ropes of the same MBL, they can significantly reduce the labor hours and fatigue of the crew on-board. Additionally, Siri High Performance ropes can be up to 4 times stronger than polyester ropes in the same strength, and increase the operational safety. Siri High Performance ropes low elongation and floating properties, contribute to faster and safer mooring operations.

Benefits over wire rope

- Safer, due to fewer hand injuries and reduced snap-back
- Reduced operation costs: Reduced maintenance costs for both the rope structure and the on-board equipment like chocks, bollards etc., easily repairable, faster inspection and increased healthy operational life
- Easier inspection
- Longer lifetime operation on board



Benefits over common synthetic rope

- Increased safety: reduced recoil, simpler and easier handling
- Increased healthy operational lifetime
- Longer lifetime operation on board
- Lower weight for the same Line Design Break Force





Find the right Siri® Rope.
For the right mooring operation.
For your special vessel.



Nika Siri® S-12



**“The choice for
demanding
applications”**



HMPE Siri fibers, 12-strand construction, processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Floating
- Very easy to handle due to less weight, smaller diameter and flexibility when compared to wire ropes
- Uniformed rope structure due to the LSP technology
- Very long service lifetime
- Easy to inspect on-board
- Easy to handle – User friendly

Applications:

Mooring / Towing / STS Operations



HMPE Siri fibers in 12-strand braided load-bearing core, overbraided by a non load-bearing protective cover. Processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Extra abrasion protection with repairable jacket component
- Excellent winchline
- Firm handling
- Reduced operational cost due to extended service

NIKA-SIRI® S12

Size (Diam)	Weight (+/- 5%)		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
mm	Kilos /100m	Kilos /220m	Tons	Tons
22	30.0	66.0	46.5	51.1
24	34.8	76.6	53.9	59.3
26	41.2	90.6	63.7	70.1
28	48.1	105.8	74.4	81.9
30	56.7	124.7	87.8	96.5
32	62.0	136.4	95.9	105.5
34	67.7	148.9	104.8	115.3
36	75.4	165.9	116.7	128.4
38	84.3	185.5	130.5	143.6
40	92.9	204.4	143.8	158.2
42	103.5	227.7	160.2	176.3
44	112.8	248.2	174.5	192
46	120.8	265.8	186.9	205.6

SPECIFICATIONS

Elongation at Break	3.5%
Melting point	145°C (HMPE) / 265°C (Polyester)

NIKA-SIRI® S12 COVERED

Nom.Size (Diam)	Weight (+/- 10%)		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
mm	Kilos /100m	Kilos /220m	Tons	Tons
22	32,6	71.7	40,5	44,5
24	42,4	93.3	47,8	52,6
26	47,1	103.6	56,1	61,7
28	57,4	126.3	65,3	71,8
30	72,8	160.2	74,5	82,0
32	76,0	167.2	80,0	88,0
34	78,6	172.9	84,6	93,1
36	85,3	187.7	96,6	106,2
38	93,3	205.3	107,6	118,4
40	107,9	237.4	120,5	132,6
42	115,8	254.8	132,5	145,7
44	124,7	274.3	148,1	162,9
46	152,9	336.4	167,9	184,7

*weight refers to rope with polyester jacket

Reduced snap back ropes



Maximum Safety in Mooring Operations

With innovative rope design



HMPE Siri fibers, 12-strand construction with RSB (Reduced Snap Back) member, processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Floating
- Reduced Snap Back construction
- Very easy to handle due to less weight, smaller diameter and flexibility when compared to wire ropes
- Uniformed rope structure due to the LSP technology
- Very long service lifetime
- Easy to inspect on-board

Applications:

Mooring / Towing / STS Operations



HMPE Siri fibers in 12-strand braided load-bearing core, overbraided by a non load-bearing protective cover.

Included RSB (Reduced Snap Back) member internally. Processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Extra abrasion protection with repairable jacket component
- Excellent winchline
- Firm handling
- Reduced operational cost due to extended service lifetime
- The lowest Snap-Back due to the jacketed construction and RSB member
- Ideal choice for demanding operations

NIKA-SIRI S12 RSB

Size (Diam)	Weight (+/- 5%)		LDBF (as per MEG4)	MBL (acc. to ISO 2307)
mm	Kilos /100m	Kilos /220m	Tons	Tons
21	28,4	62,5	41	45,1
23	33,2	73,1	44	48,4
25	38,4	84,6	51,6	56,7
27	46,3	101,9	60,4	66,4
29	53,4	117,4	70,5	77,6
31	62,1	136,7	83,1	91,5
33	67,5	148,4	90,8	99,9
35	73,3	161,3	99,3	109,2
37	81,1	178,4	110,5	121,6
39	95,2	209,4	123,6	136
41	103,9	228,6	136,3	149,9
43	114,7	252,4	151,8	167
45	124,1	273	165,4	181,9
47	132,2	290,9	177,1	194,8

SPECIFICATIONS

Elongation at Break	3.5%
Melting point	145°C (HMPE)

NIKA-SIRI S12 RSB COVERED

Size (Diam)	Weight (+/- 10%)		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
mm	Kilos /100m	Kilos /220m	Tons	Tons
21	36,3	79,9	36,4	33,1
23	45	98,9	45,1	41
25	49,9	109,7	52,7	47,9
27	56,9	125,3	61,1	55,6
29	76,1	167,5	71,6	65,1
31	81	178,2	80,2	72,9
33	85,3	187,7	87,7	79,8
35	88,3	194,3	93	84,5
37	94,6	208,2	104	94,6
39	107	235,4	117	106,4
41	146,7	322,8	132,8	120,7
43	153,2	337,1	144,1	131
45	168,8	371,3	159,4	144,9
47	177,3	390	174,3	158,4

*weight refers to rope with polyester jacket

Spectra Siri® S-12



“The power of trustworthiness”

with superior Spectra fibers by Honeywell



Made by HMPE Spectra fibers (Honeywell) in 12-strand braided construction, processed with Linear Structural Preformation (LSP) technology. Special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Floating
- High Strength Spectra fibers
- Uniformed rope structure due to the LSP technology
- Increase service life compared to competitive HMPE ropes
- Easy to inspect on-board
- Easy to handle – User friendly

Applications:

Mooring / Towing / STS Operations



HMPE Spectra fibers (Honeywell) in 12-strand braided load-bearing core, overbraided by a non load-bearing protective cover. Processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length.

BENEFITS

- Extra abrasion protection with repairable jacket component
- Excellent winchline
- Firm handling
- Reduced operational cost due to extended service lifetime
- Safe due to lower Snap-Back of the jacketed construction
- Ideal choice for demanding operations

SPECTRA-SIRI® S12

Size (Diam)	Weight		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
	mm	Kilos /100m Kilos /220m	Tons	Tons
22	30.3	66.7	46.5	51.1
24	35.1	77.3	53.9	59.3
26	41.6	91.5	63.7	70.1
28	48.6	106.9	74.4	81.9
30	57.3	126.0	87.8	96.5
32	62.6	137.8	95.9	105.5
34	68.4	150.4	104.8	115.3
36	76.2	167.5	116.7	128.4
38	85.1	187.3	130.5	143.6
40	93.8	206.4	143.8	158.2
42	104.5	230.0	160.2	176.3
44	113.9	250.6	174.5	192
46	122.0	268.4	186.9	205.6

SPECIFICATIONS

Elongation at Break	3.5%
Melting point	145°C (HMPE)

SPECTRA-SIRI® S12 COVERED

Nom.Size (Diam)	Weight (+/- 10%)		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
	mm	Kilos /100m Kilos /220m	Tons	Tons
22	32.9	72.4	40,5	44,5
24	42.8	94.2	47,8	52,6
26	47.6	104.7	56,1	61,7
28	58.0	127.5	65,3	71,8
30	73.5	161.8	74,5	82,0
32	76.8	168.9	80,0	88,0
34	79.4	174.6	84,6	93,1
36	86.2	189.5	96,6	106,2
38	94.2	207.3	107,6	118,4
40	109.0	239.8	120,5	132,6
42	117.0	257.3	132,5	145,7
44	125.9	277.1	148,1	162,9
46	154.4	339.7	167,9	184,7

SeaLite HP



The Ideal "Siri® Rope " for Cruise Vessels



Cruise vessels present some of the most complex mooring demands in the maritime industry due to their immense size, high windage area, and the need for absolute operational safety when berthing and unberthing large numbers of passengers. Sealite HP is specially engineered this demanding application, offering robust design, superior performance, and long-lasting resilience. The rope construction is made from HMPE Siri 12-strand load-bearing core overbraided by protective cover. Processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied on the whole rope length for high durability and safety.

BENEFITS

- Very easy to handle due to less weight and smaller diameter when compared to conventional ropes.
- Uniformed rope structure due to the LSP technology
- Very long service lifetime
- Easy to inspect on-board
- Easy to handle – User friendly ropes
- Easy to inspect on-board
- Easy to handle – User friendly

SEALITE HP

Nom.Size (Diam)	Weight (+/- 10%)		LDBF (acc. MEG4)	MBL (acc. ISO 2307)
	mm	Kilos /100m	Kilos /220m	Tons
22		32,6	71,7	40,5
24		42,4	93,3	47,8
26		47,1	103,6	56,1
28		57,4	126,3	65,3
30		72,8	160,2	74,5
32		76,0	167,2	80,0
34		78,6	172,9	84,6
36		85,3	187,7	96,6
38		93,3	205,3	107,6
40		107,9	237,4	120,5
42		115,8	254,8	132,5
44		124,7	274,3	148,1

SPECIFICATIONS

Elongation at Break	3.5%
Melting point	145°C (HMPE)



Nika Siri® X-12



“The eXtreme rope”



Made from HMPE NIKA-Siri sub-ropes in 12-strand structure. Processed with Linear Structural Preformation(LSP) technology, special NIKA-Thane coating applied.

BENEFITS

- Robust rope structure
- Rope uniformity due to the LSP technology
- Supreme abrasion resistance
- Ideal choice for applications requiring excellent tension-tension fatigue resistance
- Very long service lifetime
- Safe due to lower Snap-Back of the jacketed construction

Applications:

Mooring / Towing / STS Operations

NIKA-SIRI X12				
Size (Diam)	Weight (+/- 10%)		MBL	LDBF
mm	Kilos /100m	Kilos /220m	Tons	Tons
36	89	196	84	75,6
40	111,2	244	101	90,9
44	137	301	129	116,1
48	159	350	163	146,7
52	203,6	448	199	179,1
56	216,5	476,5	219	197,1
60	248	545,5	240	216
64	280	616	273	245,7
68	315	693	297	267,3

SPECIFICATIONS	
Elongation at Break	3.5%
Melting point	145°C (HMPE)

Strand's construction:



Each one of the 12 strands is a jacketed HMPE rope for superior resistance to internal and external abrasion.

✓ The best choice for tug & towing operations



LCP-Siri S12 (with Vectran) Covered



“The Unlimited”

Superior Resistance to High & Extremely Low Ambient Temperatures



LCP (Liquid Crystal Polymer) Vectran fibers by Kuraray, 12-strand load bearing core overbraided by protective non-load bearing jacket. Processed with Linear Structural Preformation (LSP) technology, special NIKA-Thane coating applied.

BENEFITS

- High tenacity in a wide range of temperatures (from very low to high ambient temperatures)
- Minimal creep which leads to increased lifetime
- Uniformed rope structure due to the LSP technology
- Safe due to lower Snap-Back of the jacketed construction
- Easy operation for your safety

Applications:

Mooring / Towing / STS Operations

LCP-SIRI S12 (WITH VECTRAN) COVERED

Size (Diam)	Weight (+/- 5%)		Minimum Breaking Load	LDBF (as per MEG4)
	mm	Kilos /100m Kilos /220m	Tons	Tons
20	33,1	72,8	35,7	33,1
22	38,3	84,3	43,7	40,5
24	53,1	116,8	49,2	45,6
26	59,0	129,8	60,6	56,1
28	65,5	144,1	70,5	65,3
30	72,0	158,4	80,5	74,5
32	85,6	188,3	86,4	80,0
34	88,8	195,4	91,4	84,6
36	97,3	214,1	104,2	96,5
38	105,1	231,2	116,2	107,6
40	149,3	328,5	139,4	129,1
42	164,6	362,1	162,9	150,8
44	173,0	380,6	175,7	162,7

SPECIFICATIONS

Elongation at Break	4.0%
Melting point	330°C (LCP)

kuraray Vectran™



NIKA® Protector



**“High Performance
Protection ”**

for your mooring line

Extra Protection from Abrasion



NIKA-GUARD

The Polyester protection for your rope

An excellent cost-effective option to protect your ropes!

Nika® Guard is a Flat Polyester webbing pad. The Velcro® scratch tape, firmly stitched on the sleeve guard, is used for quick & easy installation and removal.

Length: 2m

FEATURES:

- Fixed or adjustable for easy positioning
- Extends significantly the service life of synthetic ropes
- Abrasion resistant
- Light and flexible



NIKA® Protector

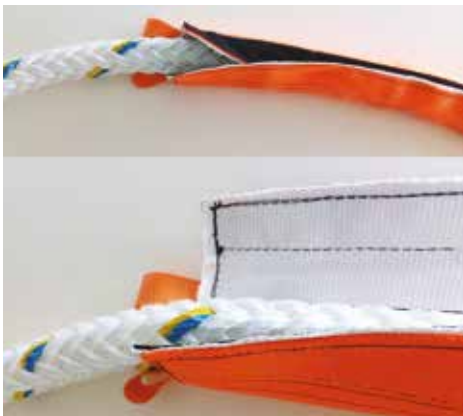
High performance protection for your mooring line

Nika® protectors are manufactured by using UHMWPE fibers which are coated with Nika® Lube for superior abrasion resistance. Nika® Protectors are also coated externally with Nika® Thane, in order to improve protector-to-chock gripping performance and in order to reduce sliding.

Length 2,5 m

FEATURES:

- Fixed or adjustable for easy positioning
- Extends significantly the service life of synthetic High Modulus Ropes
- Superior abrasion and cut resistance
- Extremely thick layer of protection
- Very light and flexible



NIKA-GUARD ULTRADouble

The special Double-layered webbing for chafe protection

Developed for excellent performance and protection of synthetic mooring lines against abrasion conditions during mooring operations. It is manufactured using a combination of High Tenacity polyester and UHMWPE webs in a double-layer sleeve construction. The polyester layer of the webbing sleeve is fixed on the outer side while the UHMWPE layer protects the rope from the inside

Length 2,5 m

FEATURES:

- Fixed or adjustable for easy positioning
- Smooth surface protection upon the mooring line
- Abrasion and cut resistance
- Easy attached on the line using Velcro scratch tape



Nika® Lube Spray

Rope anti-abrassion lubricant

Nika® Lube Spray is a special lubricant which is used to improve the abrasion performance of synthetic fiber ropes. The main benefit of this product is the enhanced abrasion resistance for both in yarn to yarn and yarn to metal surface friction.

Nika® Lube Spray can be applied to any fiber rope surface that is intended to be used in high abrasion conditions. The coefficient of friction will be decreased and thus the resistance to abrasion will be more effective.

FEATURES:

- Reduces internal and external abrasion
- Reduces heat generation from friction
- Helps avoid unsuitable grease
- Suitable for all synthetic ropes
- Environmentally friendly





Mooring Tails

**Strong and Flexible connection
with your main mooring line.**

Mooring Tails

Which mooring tails are appropriate for your application?

The right material and required elasticity

Depending on the requirements of the mooring conditions and port type, the selection of the material may vary among mixed Polyolefin/Polyester, Nylon or Polyester fibers. NIKA-Nylon mooring tails exhibit the highest elongation properties, which makes this tail type ideal for reducing high dynamic loads especially in exposed berths. NIKA-Nylon tails of 22m length are recommended for operations at exposed terminals where shock loads are more frequent. Medium to high elasticity is expected by other types of mooring tails (Mixed Polyester/ Nikasteel and 100%Polyester respectively). Also, the water absorbancy must be taken into consideration. Nylon material absorbs water and degrades more rapidly compared to Mixed or Polyester materials that have equal strength either in wet or dry conditions.

There are two basic types of Mooring tails. The single leg and the grommet type:

Single leg

Single leg tails are the most common type of tails used in a variety of applications (mooring, towing etc.) This construction has standard two soft eyes, one of 1,8m (6 feet) length and the other of 0,9m (3 feet) length. Standard lengths for tankers, LNG and LPG vessels are 11m and 22m but any length can be produced according to client requirements.

Grommet Type

Grommet type tails are used in special applications requiring high strengths. They have standard two soft eyes, one of 1,8m (6 feet) length and the other of 0,9m (3 feet) length. The eyes are formed by lashings (seizing the two rope bodies together to form an eye). The strength of a Grommet mooring tail is 1,6 times the strength of a single leg (of the same material, construction and size) and its length depends on the customer's special requirements.



Retirement criteria of mooring tails

It is recommended as per MEG4 to retire mooring tails when the TDBF is reduced to 75% of the ship design MLB (MLBSD), unless inspection calls for earlier retirement. For more information consult the User's Manual for Synthetic Mooring Tails (provided by KATRADIS SA).



NIKA-NYLON 8-12-24



Nylon tails exhibit excellent dynamic load and shock absorption properties. 22m Nylon Mooring tails are ideal in exposed berths/ terminals.

Nom. Size (Diam)	MBL (acc. ISO 2307)	TDBF (acc. MEG4)
mm	Tons	Tons
68	115,0	101,2
72	130,0	114,4
76	143,5	126,3
80	158,5	139,5
84	175,0	154,0
88	192,0	169,0
92	202,5	178,2
96	213,0	187,4

Specific gravity	1,14
Melting point:	218°C
Elongation at breaking:	30%
Fiber water absorption	3-5%
Chemical resistance	Very Good

NIKA-POLYESTER 8-12-24

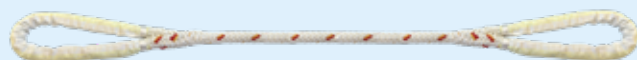


Polyester tails are fit for applications where abrasion resistance is needed. Made of high-Tenacity marine grade Polyester fibers.

Nom. Size (Diam)	MBL (acc. ISO 2307)	TDBF (acc. MEG4)
mm	Tons	Tons
68	106,6	96,9
72	114,0	103,6
76	125,4	114,0
80	141,1	128,3
84	154,7	140,6
88	167,2	152,0
92	185,5	168,7
96	203,8	185,3

Specific gravity	1,38
Melting point:	265°C
Elongation at breaking:	18%
Fiber water absorption	0,1%
Chemical resistance	Very Good

NIKA-FLEX 12 RSB



The special Reduced Snap Back design includes internal member made to protect from the recoiling in case of partition. NIKA-FLEX RSB tails is the choice for safer mooring operations

Nom. Size (Diam)	MBL (acc. ISO 2307)	TDBF (acc. MEG4)
mm	Tons	Tons
68	116,0	110,2
72	128,0	121,6
76	145,0	137,8
80	159,0	151,1
84	175,0	166,3
88	193,0	180,0
92	213,5	202,8
96	229,0	217,6

Specific gravity	1.14
Melting point:	165°C NIKA-Steel® / 265°C Polyester
Elongation at breaking:	15-18%
Fiber water absorption	0,1 %
Chemical resistance	Very Good

NIKA-FLEX 8-12-24



Flex tails are specially engineered for demanding applications where high strength and excellent abrasion resistance are a must.

Diam	MBL acc. ISO 2307	TDBF acc. MEG4
mm	Tons	Tons
68	122	115.5
72	136	128
76	153	144.5
80	170	160
84	184	174
88	205	193
92	223	210
96	242	228

Specific gravity	1.14
Melting point:	165°C NIKA-Steel® / 265°C Polyester
Elongation at breaking:	15-18%
Fiber water absorption	0,1 %
Chemical resistance	Very Good

Eye Protection



Polyester Eye Protector

Special braided polyester sleeves

Polyester Eye Splice Protector is a special braided cover designed for extra protection of the eye splices. Polyester Eye Splice Protector is made from specially twisted polyester fibers. The application of Nika® Thane coating reduces both internal and external friction and offers excellent protection.

FEATURES:

- Excellent abrasion resistance • UV resistance • Flexible
- Excellent choice for tails



Siri Eye Protector

The Maximum protection for cow-hitch

Nika® Eye Splice Protector is a specially braided cover designed for maximum protection of the eye splices. Nika® Eye Splice Protector is made from specially twisted UHMWPE fibers, which is the perfect choice for cow-hitch connections as it offers maximum protection without reducing the strength of the mooring line. It is also an excellent protection for connections that include mooring link.

FEATURES:

- Maximum protection from internal and external abrasion • Excellent efficiency in cow-hitch connections • Perfect choice for tails & mooring lines

Mooring Connection



Cow-Hitch

Approved by MEG4 (OCIMF). Field experience and extensive in-house testing has shown zero impact on the mooring line's strength with this type of connection, if prepared with special NIKA-Eye Protection.

FEATURES:

- Floating mooring line when used with a floating tail • Reduced cost • Very easy to handle • Light and flexible • By using Nika Eye protection we avoid the reduction of the mooring line's strength



Link Mandal or Tonsberg

A standard practice when connecting the mooring tail with a wire-rope or mooring ropes.

FEATURES:

- Robust connection • Used without reduction of mooring line strength





Siri Ropes for the Offshore Industry

The most durable ropes
for demanding applications



NIKA-Siri S12 U-COVER

Mooring ropes are used to secure a ship or offshore platform and facilitate activities carried out in the offshore environment such as oil and gas exploration and production, wind energy generation, and marine research. Selecting the proper rope is a matter of ensuring the stability and safety of offshore structures and vessels, as they prevent them from drifting or moving due to wind, waves, and currents.

Features

- **HMPE Siri fiber core** overbraided by non-load bearing cover.
- **Robust jacket** made from the highest quality HMPE fibers.
- **Chemical sand filter** for preventing foreign particles in the rope core.
- **Excellent resistance against abrasion and tension-tension fatigue.**

SPECIFICATIONS

Specific gravity	0,97 (floating)
Elongation at break	3,5%
Melting point	145°

Custom made Continuous Lengths

Offshore projects often require long length deployment of mooring ropes. This is necessary to ensure that the vessel remains stable and is not affected by the movement of the waves.

Having an extended capacity, we manufacture a wide range of braided continuous lengths which can cover the most demanding requirements.



Custom made rope termination ends

Special thimbles are provided by Katradis in order to meet the equipment/winch specifications for for securely attaching the rope to a specific point or structure on an offshore platform or vessel.



Quality Control Testing

Our new fully equipped R & D department is equipped with state-of-the-art next generation technology at every step of quality control. Fully compliant with the new OCIMF requirements so we can certify our ropes according to MEG4.

Evaluating the performance indicators of each rope type such as Line Design Break Force, Angled Endurance, Angled Break Force, tension-tension Endurance etc., needs specialized machinery. We at KATRADIS keep up-to-date quality testing under computerized system.



Angled Endurance testing for mooring lines according to MEG4 specifications.



Testing for Line Design Break Force, as per MEG4. Evaluating your mooring line's strength.



Testing booth control by our specialized staff.



Axial Compression resistance testing for mooring lines according to MEG4.

Technical Support



Repair Kit

You can repair a damaged rope's jacket

Our repair kits will help you repair the jacket of your Siri® high performance mooring rope easily and safely. We offer a wide range of materials and tools for many repairs. Available for each type of rope jacket.

BENEFITS:

- Easy and safe repair
- Reduces maintenance costs
- Repair on board
- Acceptable by the rope manufacturer.



Visual Inspection on board

Assessing your rope condition by the experts

World wide technical support is offered for all Siri® High Performance mooring lines.

Our expert KATRADIS team can perform an on board visual inspection of your mooring ropes after which you receive an official inspection report about the condition of your mooring lines.

BENEFITS:

- Inspection by the experts
- World wide



Training courses

For the safety of crew and the better maintenance and management of mooring ropes

Our professionals and technicians of ropes train your crews & executives. We can train you on-site, or at our facilities, in safety, maintenance and management of our Siri® High Performance mooring ropes.

BENEFITS:

- Training course for your own mooring lines
- Training with certificate
- Improves the education level of your crews & executives



Quality status testing

We evaluate precisely the remaining strength of your rope

Our experienced scientific team utilizes high tech equipment with cutting edge technology. We offer residual strength testing according to MEG4 requirements for the implementation of your Line Management Plan.

BENEFITS:

- High strict evaluation of your rope
- Highly precise results
- Top technology control equipment

Katradis global network

Worldwide relationships!

We provide you with access to our stock at all major ports with the support of the extensive global network of affiliated establishments, agents, suppliers and representatives. We guarantee immediate & reliable services all around the world.

Katradis Global Network

Africa: Egypt (Alexandria, Port Said, Suez) | South Africa (Durban, Cape Town)

Asia: Singapore (Singapore) | South Korea (all ports) | China (Hong Kong, Shanghai, Qingdao, Zhenjiang & other ports)

Europe: Belgium (Antwerp, Zeebrugge) | Germany (Hamburg) | Netherlands (Rotterdam, Amsterdam) | Spain (Algeciras, Cadiz, Las Palmas) | Turkey (all ports) | Bulgaria (Varna) | Greece (all ports) | Cyprus (all ports)

Middle East: U.A.E. (Fujairah, Dubai, Sharjah, Jebel Ali)

North America: Canada (Montreal) USA (Houston, New Orleans, New York, Los Angeles)

Central America: Panama (Panama, Costa Rica)



- Synthetic Mixed and High Modulus Ropes
- Steel Wire Ropes
- Sacrificial Anodes
- Anchors & Anchor Chains

We are wherever you need us.



- Port Development Equipment
- Vessel Deck Equipment
- Lashing Equipment
- Aquaculture and fishing ropes and nets



Pioneers in quality perfection

Established in 1936 in Piraeus, Greece, the Katradis Group of Companies is one of the most prominent organizations in the shipping industry.

Over the years, Katradis Group has developed expertise in the design, development and manufacture of high quality synthetic mooring ropes, zinc and aluminum anodes. Our wide range of products includes ropes made with UHMWPE, LCP (Liquid Crystal Polymer), Polypropylene, Nylon, Polyester and Mixed / Dual Fiber ropes, in single and double braided constructions.





Performance
to the maximum!







*Worldwide strong relationships
since 1936!*



GROUP OF COMPANIES

**HMPE, LCP, Polyolefin and Mixed Ropes for LNG/LPG/Tankers/Bulk Carriers & Passenger Vessels - Steel Wire Ropes – Sacrificial Anodes,
Anchors & Anchor Chains – Port Development & Vessel Deck Equipment**

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