

The logo for Southern ropes, featuring the word "Southern" in a bold, dark blue sans-serif font, followed by a stylized icon of a rope knot, and then the word "ropes" in a lighter blue sans-serif font.

Southern ropes

**MARINE
ROPE
CATALOGUE**

Version 5

CUSTOM SPECIFICATIONS

All rope presented in this catalogue can be manufactured to custom specifications (reel length, diameter, colour, and materials used can all be varied according to requirements). Please contact us directly for any unique requirements you may have.

BREAK LOAD

Break load is an average result achieved under laboratory conditions, in straight-line pulls with constantly increasing tensile loads. These conditions are rarely duplicated in actual use. Do not use breaking load for design or rating purposes, use safe working load figures. The breaking load is determined by taking the load that each line in a sample of five breaks and then dividing by five to determine the average breaking load. Break loads may vary slightly for individual reels, but safe working loads will not.

SAFE WORKING LOADS

Because of the wide range of rope use, exposure to the several factors affecting rope behaviour, and the degree of risk to life and property involved, it is impossible to make blanket recommendations as to working loads. However, to provide guidelines, working loads are tabulated for rope in good condition with appropriate splices, in non-critical applications and under normal service conditions. Please note that the recommended safe working load for all ropes presented in this catalogue is one fifth (1/5) of the breaking load.

DYNAMIC LOADS

Normal working loads are not applicable when rope is subject to significant dynamic loading. Instantaneous changes in load, up or down, in excess of 10% of the line's rated working load constitutes hazardous shock load and would void normal working loads. Whenever a load is picked up, stopped, or swung there is an increased force due to dynamic loading. The more rapidly or suddenly such actions occur, the greater the increase will be. Examples could be picking up a tow on a slack line or using a rope to stop a falling object. Therefore, in applications such as towing lines, lifelines, safety lines, climbing ropes, etc., working loads as given do not apply.



UHMwPE



CE Certified

STEALTH FIBRE

Dyneema® is a registered trademark of DSM IP Assets B.V. Technora® and Twaron® are registered trademarks of Teijin Limited. Vectran® is the registered trademark of Kuraray Co. Ltd. Zylon® is a registered trademark of Toyobo Co. Ltd. The trademarks identify and denote the independent sources of material from which ropes are manufactured with which entities Southern Ropes has no commercial or legal association of any kind.

Stealth Fibre® Super-12®, Polyrene® and Polysteel® are registered trademarks of Southern Ropes (Pty) Ltd. Stealth Fibre® and Super-12® are registered trademarks of Southern Ropes UK Ltd.

Specifications are subject to change without notice

ABOUT US

Founded in 1984, Southern Ropes is one of the largest manufacturers of high quality synthetic ropes. We cater to an array of markets, including Commercial Marine, Leisure Marine, Industrial, Mining and The Armed Forces.

As a company Southern ropes have been servicing and manufacturing commercial mooring lines to all sectors of the marina industry. With many years of experience we have developed a wide knowledge within

the industry. We have provided all types and combinations of mooring and winch lines suiting our customer requirements.

We manufacture all combinations of ropes to standard and custom specifications; Southern Ropes is at the forefront of rope innovation. Combining the latest rope making technologies with strong and durable materials like Stealth Fibre®, HMPE, Dyneema®, Vectran® and Technora®. We also work closely with other manufactures

to be able to offer and supply a more diverse range of ropes, safety equipment and services.

We offer a huge range of ropes for many different applications, for further information on our ranges please contact our sales team on: 01489 589333 or on email: sales@southernropes.co.uk

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|--|---|

CONSTRUCTION - THE CORE

STEALTH FIBRE[®] STRONGER THAN THE STRONGEST

Stealth Fibre[®] is a leading edge brand of UHMwPE
Our Stealth Technology increases fibre crystallinity and evens out the stresses in the rope, allowing for all strands to share the load equally and therefore increasing performance and Break Load (kg). It has strength second to none.

This range is made using the latest thermofixation process machinery. The process incorporates a colour treatment and stretching under controlled temperatures with a precise continuous applied load to orientate the molecular chain structure of the UHMwPE fibres in the ideal load direction of the rope.

This process achieves significant improvements in the break load of the rope and virtually eliminates the creep compared to merely just braiding 'strong' fibres together and applying traditional urethane with heat treatment. This process compacts the yarns and increases the net fibre density of the rope.



STEALTH SUPER-12[®]

This rope is designed for high load applications where exceptionally low weight is required—making for an excellent wire-replacement rope. The heat treatment and polyurethane coating applied increases the rope's abrasion resistance, prolonging its life.

Super-12[®] total fibre linear density exceeds the ISO 10325 minimum linear density specifications for HMPE fibre rope, 12-Strand construction specifications for all diameters. More diameter detail available on request.

DIAMETER

- > 1-105mm (larger diameters available on request)
- > *Standard Colour silver-grey*
Other colours available on request

LENGTHS

- > 200m reels
- > Custom lengths available and long lengths available on request

TECHNICAL

- > Material: Ultra-high molecular weight polyethylene (UHMwPE)
- > 32 cN/dtex tenacity
3.5% elongation at break
0.98 g/cm³ density

APPLICATION

- > Wire rope replacement
- > Winch lines
- > Towing
- > Lifting

OPTIONS

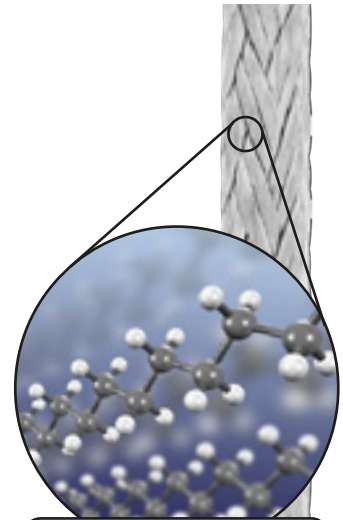
- > Available in 3 constructions:
 - Single strand (1 - 9mm)
 - Double strand (10 - 60mm)
 - Double Braid (64 - 105mm)
- > Protective cover braid
- > Larger diameters
- > Spliced eyes
- > Thimbles
- > Proof loading with certificate

FEATURES

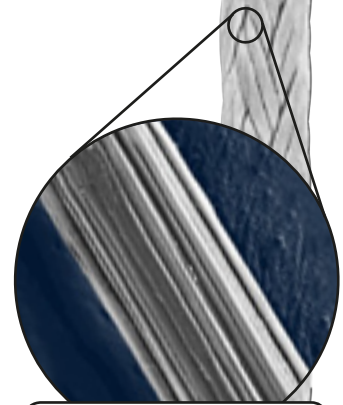
- > Extreme Strength-to-Weight Ratio
- > 15 times stronger than steel
- > Safer than wire (low recoil)
- > Hydrophobic fibre (no water absorption)
- > Floats
- > Low Creep
- > Easy to splice
- > Resistant to Kinking
- > Maintains high strength around tight-radius bends
- > Exceptional UV and chemical resistance
- > Southern Ropes Abrasion-resistant coating reduces likelihood of snagging and superior winch drum grip

STEALTH SUPER-12[®]

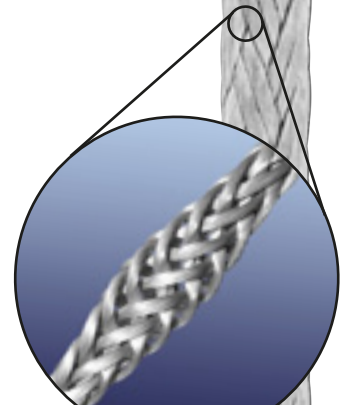
DIAMETER (MM)	SPLICED BREAK LOAD (METRIC TONNE)	LINEAR BREAK LOAD (METRIC TONNE)
3	1.3	1.4
4	2.2	2.4
5	3.1	3.4
6	4.3	4.8
7	5.2	5.8
8	6.6	7.3
9	8.3	9.2
10	9.7	10.8
12	15.3	17.0
14	17.9	19.9
16	21.2	23.5
17	27.0	30.0
18	31.3	34.7
19	34.9	38.7
20	40.8	45.3
22	47.0	52.2
24	55.2	61.3
26	65.3	72.5
28	76.0	84.4
30	82.5	91.6
32	84.6	93.9
34	95.0	105.5
36	106.8	118.5
38	118	131
40	131	145
42	143	160
44	157	174
46	168	186
48	181	200
50	191	212
52	201	223
54	215	240
56	230	255
58	248	275
60	268	300
62	293	325
64	320	355
66	339	375
68	360	400
70	379	420
72	400	444
74	424	470
76	450	500
78	474	526
80	500	555
88	600	666
96	710	788
105	850	944



Simple polymer with outstanding performance characteristics



Highly orientated fibres for the increased strength



Braided construction allows for easy splicing

Tested in accordance with ISO 2307

CONSTRUCTION - THE CORE



GP-12

Solution-dyed Stealth Fibre® single braid, heat treated with abrasion-resistance coating

This rope is designed for high load applications where exceptionally low weight is required - making for an excellent wire-replacement rope. The heat treatment and polyurethane coating applied increases the rope's abrasion resistance. GP-12 has superior colourfastness as the yarn is solution dyed, therefore prolonging the life of the rope.

APPLICATIONS	FEATURES	TECHNICAL	OPTIONS
Wire rope replacement	Solution dyed Stealth Fibre® (excellent colourfastness)	Material: Stealth Fibre® Heat-set UHMwPE with polyurethane coating	Available in 2 constructions:
Winch lines	Extreme strength-to-weight ratio	Construction: 12-Strand	Single strand (1 – 9 mm)
Towing	15 times stronger than steel		Double strand (10 – 20 mm)
Lifting	Maintains high strength around tight-radius bends		Colours: Black (Standard), White, Blue, Orange, Yellow, Green
Lashing	Hydrophobic fibre (no water absorption)		Protective cover braid
Control Lines	Floats		Larger diameters
Halyards	Low creep		Spliced eyes
Checkstays	Easy to splice		Thimbles
Strops	Resistant to kinking		Proof loading with certificate
Stunts	Exceptional UV and chemical resistance		
Ziplines	Abrasion-resistant coating reduces likelihood of snagging and provides superior winch drum grip		

GP-12 total fibre linear density exceeds the ISO 10325 minimum linear density specifications for HMPE fibre rope, 12-Strand construction specifications for all diameters. More diameter detail available on request.

Tested in accordance with ISO 2307

BREAK LOADS					
DIAMETER (MM)	SPLICED BREAK LOAD (METRIC TONNE)	LINEAR BREAK LOAD (METRIC TONNE)	DIAMETER (MM)	SPLICED BREAK LOAD (METRIC TONNE)	LINEAR BREAK LOAD (METRIC TONNE)
3	1.3	1.4	16	21.2	23.5
4	2.2	2.4	17	27.0	30.0
5	3.1	3.4	18	31.3	34.7
6	4.3	4.8	19	34.9	38.7
7	5.2	5.8	20	40.8	45.3
8	6.6	7.3	22	47.0	52.2
9	8.3	9.2	24	55.2	61.3
10	9.7	10.8	26	65.3	72.5
12	15.3	17.0	28	76.0	84.4
14	17.9	19.9	30	82.5	91.6



TECH-12

Heat treated 12-strand Technora® single braid with abrasion resistance coating

APPLICATIONS	FEATURES	TECHNICAL	OPTIONS
Lifting	High tenacity and abrasion resistance	Material: Technora® Aramid	Spliced eyes
Camera zipline	Creep Resistance	Construction: 12-Strand	Protective cover braid
Stunts	8x stronger than steel	Decomposition: 500 degrees C	Spliced eyes with thimbles
Stunt Rigging	Easy to Splice	Specific gravity: 1.39	Proof loading certificates
	Exceptional heat resistance	Treatment: Heat-set with polyurethane coating	Custom Cover Colours
	Safer than wire (low recoil)		
	Abrasion-resistant coating reduces likelihood of snagging		

BREAK LOADS

DIAMETER (MM)	WEIGHT (kg/100M)	BREAK LOAD (TONS)
6	2.8	3.44
8	4.8	5.2
10	10.6	7.7
12	11.9	12.2
14	16.4	14.3
16	20.1	16.9
18	28.7	25
20	31.0	32.6



CONSTRUCTION - THE COVER

CUSTOM PRODUCTION

- Southern Ropes can make up custom jackets to suit your needs. (Stealth Fibre®, Technora®, Nomex®, PBO, Vectran™, Aramid).
- For the Classic and Super Yachts we do beige, white, grey and navy solid covers over any of our cores.
- Machine eye splicing available.
- For technical advice and custom production please consult with us.

SNAKE SKIN

- This cover configuration has lines of fibres that create a better dispersion of heat and grip on the winch or in the clutch.

MOTTLED

- The different fibre types are blended together, which assists with heat distribution and abrasion on the winch or in the clutch.

CHAFE COVER

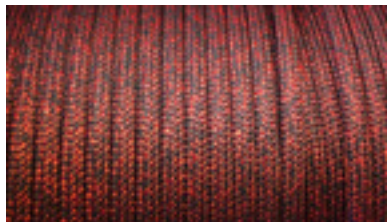
- Offers extra protection where there is extra wear on the rope such as in the clutch or on standing rigging.
- Available in Vectran™, PBO, UHMwPE, Technora® and GP-12
- See page 25



CUSTOM COLOURS



MOTTLED



SNAKE SKIN



DIFFERENT COVER ADVANTAGES

TYPES OF FIBRES:

These are the fibres that are the building blocks of the ropes and braids we manufacture:

Stealth Fibre® UHMwPE (Ultra-High-Molecular-weight-Polyethylene) which is commonly sold under the brand name **Dyneema®** or **Spectra®** and is known as **HMPE** (High Modulus Polyethylene). UHMwPE is very light weight and extremely strong. The melting point for UHMwPE is 150°C but it starts to lose its strength at 65°C.

Aramid refers to **Kevlar®**, **Technora®** and **Twaron®**. Aramid fibres have a very high heat resistance of up to 500°C. Aramid fibres have very low stretch and a low creep.

LCP® (Liquid Crystal Polymer) refers to **Vectran™**. Vectran™ breaks down at 330°C with loss of strength above 220°C. Vectran™ fibres have very low stretch and low creep.

Zylon® (PBO) has a tensile strength which is approximately 1.6 times that of Aramid fibres. Like Kevlar®, Zylon® is used in a number of applications that require very high strength with excellent thermal stability. Zylon® will only start to breakdown at 650°C.

Nomex® has high heat resistance and chemical resistance. Nomex decomposition rate is only after the temperature exceeds 350°C; however, the material does not melt.

Polyester fibres are used where strength, low stretch and durability is needed. Polyester blends well with other fibres such as the Aramid fibres and makes a very good cover. The melting point of polyester is 260°C but starts to lose its strength at 150°C.

Nylon has good strength and recovery characteristics. Nylon can stretch up to 35% of its length before it will break. Nylon will melt at 220°C but starts to lose its strength at 150°C.

Polypropylene is a low cost and light weight option. Polypropylene melts at 140°C but starts to lose its strength at 90°C.

	ABRASION	JAMMER & WINCH GRIP	WINCH CONTROL
Polyester		6	1
Nomex - Polyester	2	7	3
Technora® - Polyester	3	10	2
PBO - Polyester	5	8	4
Technora® - Nomex	3	8	3
PBO	7	9	5
Technora® - PBO	7	8	4
Technora® - Dyneema® Fibre	10	6	2
Vectran™ - Polyester	3	6	2

MELTING POINTS OF FIBRES:

UHMwPE	150°C
Aramid	500°C
Vectran™	330°C
Zylon (PBO)®	650°C
Nomex	350°C
Polyester	260°C

GP-T Braid



GP-T Braid Jib sheets that have sailed around the world



HIGH PERFORMANCE

GP BRAID (GPB)

This high-performance rope is designed for sailing applications where ultra-low stretch is required. The high UV rating of the GP-12 core means that the cover can be stripped without fear of a UV-related loss in strength. The compact construction of the core also provides rigidity in clutches and jammers.

TECHNICAL	
COVER:	HT Polyester
CORE:	GP-12 UHMwPE fibre
CONSTRUCTION:	Double Braid
RANGE	
DIAMETERS:	4mm-30mm*
REEL SIZE:	200m
COLOURS:	Available in Mottled Colours with grey
FEATURES	
Lightweight	
Ultra-low Stretch	
UV-Resistant Core	
Abrasion-resistant cover	
Core will not fade	
APPLICATION	
Tapered Sheets	
Dinghy Tapered Sheets & Control Lines	
Tapered Halyards	
Tapered Control Lines	



GP - T BRAID (GPT)

This high-performance sailing braid is designed for ultra-low stretch applications requiring good heat management. The compact construction of the core provides rigidity in clutches and jammer, while the Technora® in the cover increases tensile strength as well as abrasion resistance. The high UV rating of the Stealth Fibre® core means that the cover can be stripped without fear of a UV-related loss in strength.

TECHNICAL	
COVER:	Technora® / HT Polyester
CORE:	GP-12 UHMwPE fibre
CONSTRUCTION:	Double Braid
RANGE	
DIAMETERS:	2mm-24mm*
REEL SIZE:	200m
COLOURS:	Black Technora® with a Polyester mottle
FEATURES	
Good Grip around blocks and in cleats	
Ultra-low Stretch	
Low Creep	
Core will not fade	
APPLICATION	
Tapered Sheets	
Dinghy Tapered Sheets & Control Lines	
Tapered Halyards	
Tapered Control Lines	



BREAK LOADS

DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)	DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)
4	0.28	0.31	16	15.30	16.90
5	0.85	0.94	18	17.90	19.80
6	1.30	1.40	20	27.00	29.90
7	2.20	2.40	22	31.30	34.70
8	3.10	3.40	24	40.80	45.20
9	4.30	4.70	26	47.00	52.10
10	5.20	5.70	28	55.20	61.20
12	8.30	9.20	30	65.30	72.40
14	10.90	12.00			

*Larger diameters available on request

SUPER TZ BRAID (STZ)

Southern Ropes Technora® and Zylon(PBO)® Cover Braid. Super TZ Braid is a high tenacity rope with excellent performance characteristics.

TECHNICAL	
CORE	Super-12®
COVER	Technora® and Zylon® (PBO)
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	6mm, 8mm, 10mm
REEL SIZE	200m
FEATURES	
High tenacity and abrasion resistance	
Poor resistivity to UV	
Good grip around blocks & cleats	
Extremely abrasion resistant cover	
Exceptional performance	
Very stable cross-section	
Where there is heat build up	
Super TZ Braid is ideally suited for continuous static loads	
APPLICATION	
Runner Tails, Mainsheet, Jib Sheets & Spinnaker Sheets	
OPTION	
100% Technora®	
100% Zylon® (PBO)	



BREAK LOADS

DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)
4	0.28	0.31
5	0.85	0.94
6	1.30	1.40
7	2.20	2.40
8	3.10	3.40
9	4.30	4.70
10	5.20	5.70
12	8.30	9.20

SUPER T BRAID (STPB)

This high-performance sailing braid is designed for ultra-low stretch applications requiring good heat management. The compact construction of the core provides rigidity in clutches and jammer, while the Technora® in the cover increases tensile strength as well as abrasion resistance. The high UV rating of the Super-12® core means that the cover can be stripped without fear of a UV-related loss in strength.

TECHNICAL	
COVER	Technora®/HT Polyester Blend
CORE	Super-12®
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	4-30mm
REEL SIZE	200m
COLOUR	Colour mottle with black
FEATURES	
Great heat management	
Good grip around blocks and in cleats	
Ultra-low stretch	
Low creep	
APPLICATION	
Sheets	Runner Tails
Halyards	Kickers
Control Lines	Reefing Lines
Out/downhauls	Furlers



HIGH PERFORMANCE

SUPER BRAID (SUPB)

This high-performance rope is designed for sailing applications where ultra-low stretch is required. The high UV rating of the core means that the cover can be stripped without fear of a UV-related loss in strength.

TECHNICAL

CORE	Super-12®
COVER	HT Polyester
CONSTRUCTION	Double Braid

RANGE

DIAMETERS	4mm-30mm
REEL SIZE	200m
COLOUR	Solid or white mottle colours

FEATURES

Light weight
Ultra-low stretch
UV resistant core
Polyester sheath prevents block and jammer slippage

EXCEPTIONAL PERFORMANCE

Easy to splice

APPLICATION

Control Lines
Tow Lines
Winch Lines
Wire rope Replacement
Jib Sheets & Spinnaker Sheets
Halyards
Out/downhauls
Guys
Runner Tails
Kickers
Reefing Lines
Travellers
OPTION
Spliced Eyes
Thimbles



BREAK LOADS

DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)
4	0.28	0.31
5	0.85	0.94
6	1.30	1.40
7	2.20	2.40
8	3.10	3.40
9	4.30	4.70
10	5.20	5.70
12	8.30	9.20
14	10.90	12.00
16	15.30	16.90
18	17.90	19.80
20	27.00	29.90
22	31.30	34.70
24	40.80	45.20
26	47.00	52.10
28	55.20	61.20
30	65.30	72.40



SUPER SPEED (SPB)

This high-performance rope is designed for sailing applications where ultra-low stretch is required and is easy to splice due to its loose construction.

TECHNICAL	
CORE	Stealth Fibre® UHMwPE
COVER	HT Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	2mm-12mm
REEL SIZE	200m
COLOUR	5 different colours with a black marker
FEATURES	
Light weight	
Ultra-low stretch	
UV resistant core	
Polyester sheath prevents block and jammer slippage	
APPLICATION	
Sheets	Kickers
Halyards	Reefing Lines
Control Lines	Furlers
Out/downhauls	Travellers
Guys	



BREAK LOADS

DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)
4	0.28	0.31
5	0.85	0.94
6	1.30	1.40
7	2.20	2.40
8	3.10	3.40
9	4.30	4.70
10	5.20	5.70
12	8.30	9.20

YACHTMASTER (RB)

This rope is easier to splice than a conventional Polyester Yacht Braid, due to its loose construction, meaning it is favoured by riggers. Yachtmaster is an ideal rope for genoa sheets and a quick rope to splice for leisure marine yachts.

TECHNICAL	
CORE	HT Polyester
COVER	HT Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	2mm-24mm
REEL SIZE	200m (Various long lengths available on request)
COLOUR	Solid colours and white with colour markers
OTHER	Eyes can be spliced in the end
FEATURES	
Easy splicing	
High tenacity and abrasion resistance	
High resistivity to UV and most chemicals	
APPLICATION	
Leisure Marine Yacht Rope Applications	
General Purpose Rope	



BREAK LOADS

DIAMETER	KG	G/M
6mm	900	27
8mm	1700	48
10mm	2350	67
12mm	3250	100
14mm	4200	133
16mm	5600	143
18mm	7800	222

HIGH PERFORMANCE

MAIN-SPEED (SRM)

Southern Ropes New Dinghy Mainsheet

High tenacity rope with an easy-to-handle spun polyester and GP-12 - HMPE in the cover.

The spun polyester sheath provides a soft hand but will absorb more water than regular filament polyester. Therefore, this rope will be easy to cleat and un-cleat. The GP-12 in the cover will give the cover strength.

TECHNICAL

CORE	Black MFPP
COVER	Spun Polyester, GP-12, Polyester
CONSTRUCTION	Double Braid

RANGE

DIAMETERS	6mm, 8mm, 10mm
REEL SIZE	200m
COLOUR	White & Black Mottle with Red, Black or Green

FEATURES

Soft hand

Easy cleating/un-cleating

High tenacity and abrasion resistance

High resistivity to UV

APPLICATION

Mainsheet

Jib Sheets

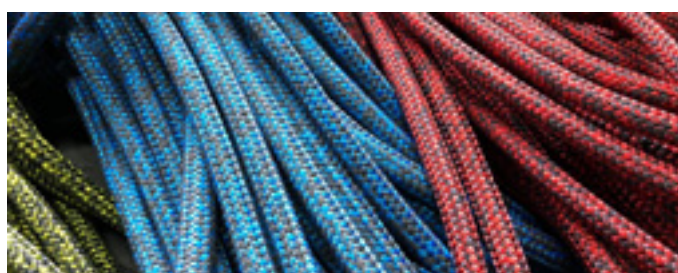
Spinnaker Sheets

Travelers



BREAK LOADS

DIAMETER	KG
6mm	530
8mm	930
10mm	1460



MAIN-SPEED PRO (SRMP)

Southern Ropes Performance Dinghy Mainsheet

High tenacity rope with an easy-to-handle spun polyester and GP-12 - HMPE in the cover.

The spun polyester sheath provides a soft hand but will absorb more water than regular filament polyester. Therefore, this rope will be easy to cleat and un-cleat. The GP-12 - HMPE in the cover will give the cover strength. This version has the GP-12 core which allows the rope to be tapered for sports boat sailing.

TECHNICAL

CORE	Black GP-12
COVER	Spun Polyester, GP-12, Polyester
CONSTRUCTION	Double Braid

RANGE

DIAMETERS	6mm, 8mm, 10mm
REEL SIZE	200m
COLOUR	White & Black Mottle with Blue, Purple or Red

FEATURES

Soft hand

Easy cleating/un-cleating

High tenacity and abrasion resistance

High resistivity to UV

APPLICATION

Mainsheet

Jib Sheets

Spinnaker Sheets

Travelers



BREAK LOADS

DIAMETER	KG
6mm	1300
8mm	3100
10mm	5200





DINGHY

SHEETLINE (ZS 75)

Southern Ropes Laser Dinghy Mainsheet

TECHNICAL	
CORE	12-Strand HMPE
COVER	Spun Polyester and Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	6mm
REEL SIZE	200m
COLOUR	Mottle Red
FEATURES	
	Grippy
	Hard wearing Polyester
	Easy cleating/un-cleating
APPLICATION	
	Laser Mainsheet for stronger winds



BREAK LOADS

DIAMETER	KG
6mm	720

XD LIGHT NON-TWIST (XDL)

Southern Ropes Dinghy Mainsheet

TECHNICAL	
CORE	12-Strand Multifilament Polypropylene
COVER	HT Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	6.5mm
REEL SIZE	200m
COLOUR	Blue with a Yellow Fleck
FEATURES	
	Non-Rotating
	Non Locking
	Light
APPLICATION	
	Long Mainsheet



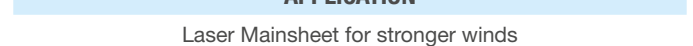
BREAK LOADS

DIAMETER	KG
6.5mm	860

SHEETLINE LIGHT (ZS 75LITE)

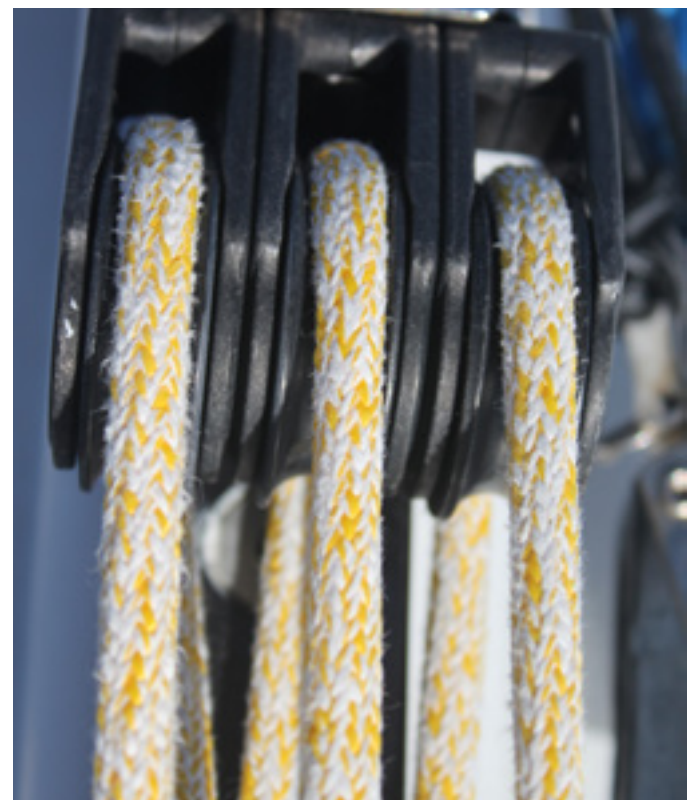
Southern Ropes light weight Laser Dinghy Mainsheet

TECHNICAL	
CORE	12-Strand HMPE and Multifilament Polypropylene
COVER	HT Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	5.5mm
REEL SIZE	200m
COLOUR	Mottle Yellow
FEATURES	
	Grippy
	Non-absorbent
	Floats
	Lighter
APPLICATION	
	Laser Mainsheet for stronger winds



BREAK LOADS

DIAMETER	KG
5.5mm	490



MARSTRAND (MAR)

Southern Ropes Dinghy Mainsheet

TECHNICAL

CORE	Multifilament Polypropylene
COVER	Multifilament Polypropylene
CONSTRUCTION	Double Braid 8-plait and 16-plait

RANGE

DIAMETERS	5mm-8mm
REEL SIZE	200m
COLOUR	Mottle Yellow, Blue, Red

FEATURES

Soft and easy to handle

Floats

Hydrophobic

APPLICATION

Sheets

Rescue lines

Painter line



BREAK LOADS

DIAMETER	KG
4mm	210
5mm	330
6mm	480
8mm	850

WINDSURFER CONTROL LINE (WCL)

Designed especially for the Windsurfer as a control line for the outhaul on the sail.

TECHNICAL

MATERIAL	100% HMPE
CONSTRUCTION	Tight Braid

RANGE

DIAMETERS	3.8mm
REEL SIZE	200m
COLOUR	White or Black & White

FEATURES

Floats

Easy to grip

Cleats well

Ultra-light weight

Low stretch

Abrasion resistant

APPLICATION

Windsurfer control line

Dinghy control line

Traveller line



BREAK LOADS

DIAMETER	KG
3.8mm	1200



DINGHY

LASER LINE (LL)

General Purpose cord where stretch is not critical.

TECHNICAL	
COVER	Multilament Polypropylene
CORE	Polyester
CONSTRUCTION	16-Plait Braid
RANGE	
DIAMETERS	2mm-6mm
REEL SIZE	200m
COLOUR	Assorted Bright Colours
FEATURES	
Limited water absorption	
General purpose line	
APPLICATION	
Control lines	
General application where little stretch is not critical	



BREAK LOADS

DIAMETER	WEIGHTS (M/KG)	KG
2mm	323	120
3mm	193	250
4mm	108	375
5mm	81	490
6mm	56	585



SUPER LITE (DL)

This rope is designed for dinghy control lines and has little to no stretch compared to a 100% polyester line.

TECHNICAL	
COVER	HT Polyester
CORE	HT polyester & Super-12® parallel yarns
CONSTRUCTION	Braid over parallel yarns
RANGE	
DIAMETERS	3mm-6mm
REEL SIZE	200m
COLOUR	Variety of bright colours including flecks
FEATURES	
Lightweight	
Low Stretch	
Abrasion resistant	
APPLICATION	
Halyards	
Sheets	
Control lines	
Outhauls and Downhauls	
Kickers	



BREAK LOADS

DIAMETER	KG
2mm	77
3mm	175
4mm	300
5mm	450
6mm	500



POLYLOCK (PL)

This specialist dinghy rope has good cleating characteristics is perfect for applications where low stretch is required.

TECHNICAL	
COVER	HT Polyester
CORE	HT Polyester
CONSTRUCTION	Double Braid
RANGE	
DIAMETERS	4mm-6mm
REEL SIZE	200m
COLOUR	Black/Red/White, Blue/Black/White, Grey/Black/White
FEATURES	
Low Stretch	
Abrasion Resistant	
APPLICATION	
Sheets	
Halyards	
Control Lines	
Out/downhauls	
Kickers	
Reefing Lines	
Leach lines in Sail making	



BREAK LOADS

DIAMETER	KG
4mm	360
5mm	590
6mm	780

PS12 (PS12)

12-Strand Polyester that has been coated. Perfect for Lazy Jacks on leisure marine yachts.

TECHNICAL	
CONSTRUCTION	12-Strand 100% HT Polyester
RANGE	
DIAMETERS	4mm, 5mm, 6mm
REEL SIZE	200m
COLOUR	Grey
FEATURES	
12-Strand allows easy splicing	
Prestretched	
Easy to grip	
Low stretch	
Abrasion resistant	
APPLICATION	
Lazy Jacks	
Tails	
Control lines	



BREAK LOADS

DIAMETER	KG
4mm	362
5mm	566
6mm	850



MOORING

NYLON (PA)

General purpose sinking rope that hardens and shrinks with use in water. The rope has excellent stretch and recovery characteristics and is used in many anchoring and mooring applications. Nylon loses 10% of its break load when wet. New Nylon ropes can stretch up to 35% of their length before they break. The stretch characteristics of a used rope will reduce proportionally to the number of times it has been worked, and to the load that it has been subjected to. Nylon ropes manufactured at Southern Ropes exceed both the British and European Standard published by the European Committee for Standardization, or CEN (BS EN 943:2002).

TECHNICAL	
MATERIAL	Nylon
CONSTRUCTION	3-Strand, 8-Strand & 12-Strand
RANGE	
DIAMETERS	3mm-44mm
REEL SIZE	220m
COLOUR	White
APPLICATION	FEATURES
Mooring lines	BS EN 943:2002
Anchor warps	Excellent stretch
Towing lines	& recovery characteristics
Fishing lines	
Kinetic ropes	
Parachute anchor	



NYLON BREAK LOADS

DIAMETER	REEL SIZE	KG/REEL	BREAKLOAD (KG)
6mm	220m	5.2	750
8mm	220m	9.3	1350
10mm	220m	14.3	2080
12mm	220m	20.6	3000
14mm	220m	28	4100
16mm	220m	36.5	5300
18mm	220m	46	6700

POLYESTER BREAK LOADS

DIAMETER	REEL SIZE	KG/REEL	BREAKLOAD (KG)	DIAMETER	REEL SIZE	KG/REEL	BREAKLOAD (KG)
6	220	6.5	850	14	220	35.4	4400
8	220	11.6	1450	16	220	46	6000
10	220	18	2290	18	220	58.3	7000
12	220	26	3450	20	220	72	8400

POLYESTER (PS)

Polyester ropes remain flexible and soft to handle even when wet. The ropes are spliced easily into soft eyes for use in mooring lines or lanyards. Polyester does not lose strength when wet, has excellent UV resistance, very good abrasion resistance, and will not shrink under normal conditions. Polyester has a higher specific gravity than Nylon or Polyurethane, and is therefore similarly, a sinking rope. Available in black, blue, red or green if ordered in sufficient quantity.

Polyester ropes manufactured at Southern Ropes exceed both the British and European Standard published by the European Committee for Standardization, or CEN (BS EN 943:2002).

TECHNICAL	
MATERIAL	HT Polyester
CONSTRUCTION	3-Strand Hawser Lay
RANGE	
DIAMETERS	6mm-46mm
REEL SIZE	220m
COLOUR	White, Navy blue, Beige, Black
FEATURES	
BS EN 697:1995	
Strength not affected by water	
Does not shrink	
UV resistant	
Abrasion resistant	
Sinking rope	
APPLICATIONS	
Anchor warps	
Mooring warps	
Lanyards	
Fender lines	
Towing lines	
Traditional halyards and ropes	
Net frame ropes	
General-purpose industrial ropes	



MULTIFILAMENT POLYPROPYLENE (PPM)

Multifilament Polypropylene ropes are soft, hold knots well, and are suitable for activities like camping, yachting and for hard work. Their softness makes them suitable ropes for cable railings. They consist of a stronger kind of polypropylene composed of thin, soft fibers which looks similar to nylon. The basic colour is white.

TECHNICAL

MATERIAL	Multifilament Polypropylene
CONSTRUCTION	3-Strand
RANGE	
DIAMETERS	6mm-20mm
REEL SIZE	220m
COLOUR	White, Other colours available on request

FEATURES

High strength and abrasion resistance

Excellent knotability

Resistant to UV radiation

Resistant in chemically active environments

Excellent insulation capacity

It is easy to handle as it is smooth and flexible

Shock resistance

APPLICATIONS

Mooring

Tow-Line

Marine Works

Safety Net

Tug-line

Various Fishing Industries

Hawser



BREAK LOADS

DIAMETER	KG
6mm	400
8mm	700
10mm	1100
12mm	1700
14mm	2200
16mm	2800
18mm	3500
20mm	4300

OCTOPLAIT (PS8)

Polyester has excellent UV and abrasion resistant properties and will not shrink or lose strength when wet.

TECHNICAL

MATERIAL	HT Polyester
CONSTRUCTION	3-Strand
RANGE	
DIAMETERS	32mm-100mm
REEL SIZE	220m
COLOUR	White, Other colours available on request

FEATURES

BS EN 697:1995

Strength not affected by water

Does not shrink

UV resistant

Abrasion resistant

Sinking rope

APPLICATIONS

Anchor warps

Mooring warps

Lanyards

Fender lines

Towing lines

Traditional halyards and ropes

Net frame ropes

General-purpose industrial ropes



BREAK LOADS

DIAMETER	KG
12mm	3700
14mm	4800
16mm	6600
18mm	7700
20mm	8100

DOCK LINE (MDL)

The combination of nylon core and polyester cover gives this rope excellent stretch recovery and abrasion resistant properties – perfect for mooring.

TECHNICAL

COVER	HT Polyester
CORE	Nylon
CONSTRUCTION	Double Braid

RANGE

DIAMETERS	10mm-40mm
REEL SIZE	220m
COLOUR	Solid Black, other colours on request

FEATURES

- Durable
- Excellent stretch recovery
- Easy to handle
- Easy stowing

APPLICATIONS

- Mooring lines
- Fender lines
- Painter lines



BREAK LOADS

DIAMETER	KG/REEL	BREAK LOAD (KG)
10	14.3	2550
12	20.9	3500
16	31.9	6420
18	40	8100
34	75	28800
36	80	32300
40	89	39900



SKI ROPE (SKI)

General purpose flat polyethylene braid

TECHNICAL

MATERIAL	Polyethylene Braid
CONSTRUCTION	8-Plait

RANGE

DIAMETERS	6mm-18mm
REEL SIZE	200m
COLOUR	Solid colours & white/colour combinations

FEATURES

- Lightweight
- Loose construction promotes easy splicing
- Durable
- Floats
- UV – Good Stabilized

APPLICATIONS

- Cargo nets
- General purpose
- Towing rope for water sports
- Rescue line
- Nets
- Safety Rope
- Tie-downs



BREAK LOADS

DIAMETER	WEIGHTS (M/KG)	BREAK LOAD
6mm	77	340kg
8mm	45	585kg
10mm	31	693kg
12mm	20	994kg

ACCESSORIES

SHOCK CORD (SC)

High stretch elastomer covered with a nylon braid. This cord is primarily designed for securing objects.

TECHNICAL

CORE	Rubber
COVER	Nylon
CONSTRUCTION	Braid over parallel core

RANGE

DIAMETERS	3mm-10mm
REEL SIZE	100m

FEATURES

100% stretch

Excellent recovery from stretch

APPLICATIONS

Securing

Tie-downs

Nets



BREAK LOADS

DIAMETER	REEL SIZE	BREAKLOAD (KG)
3mm	100m	120
4mm	100m	120
5mm	100m	120
6mm	100m	300
7mm	100m	300
8mm	100m	500
10mm	100m	500

STEALTH STRETCH SHOCK CORD (SCS)

Shock cord with a Stealth Fibre® cover. High stretch elastomer covers with a Stealth Fibre® braid. This cord is primarily designed for securing objects that need stretch. The cover is made from the Southern Ropes GP12 – HMPE. The Stealth Fibre® makes the cover harder wearing and stronger. The Stealth Shock cord will not absorb water.

TECHNICAL

CORE	Rubber
COVER	GP-12
CONSTRUCTION	Braid over parallel core

RANGE

DIAMETERS	4mm, 5mm, 6mm
REEL SIZE	100m

FEATURES

100% Stretch

Excellent recovery from stretch

Soft hand

High tenacity and abrasion resistance

Will not fade in the UV

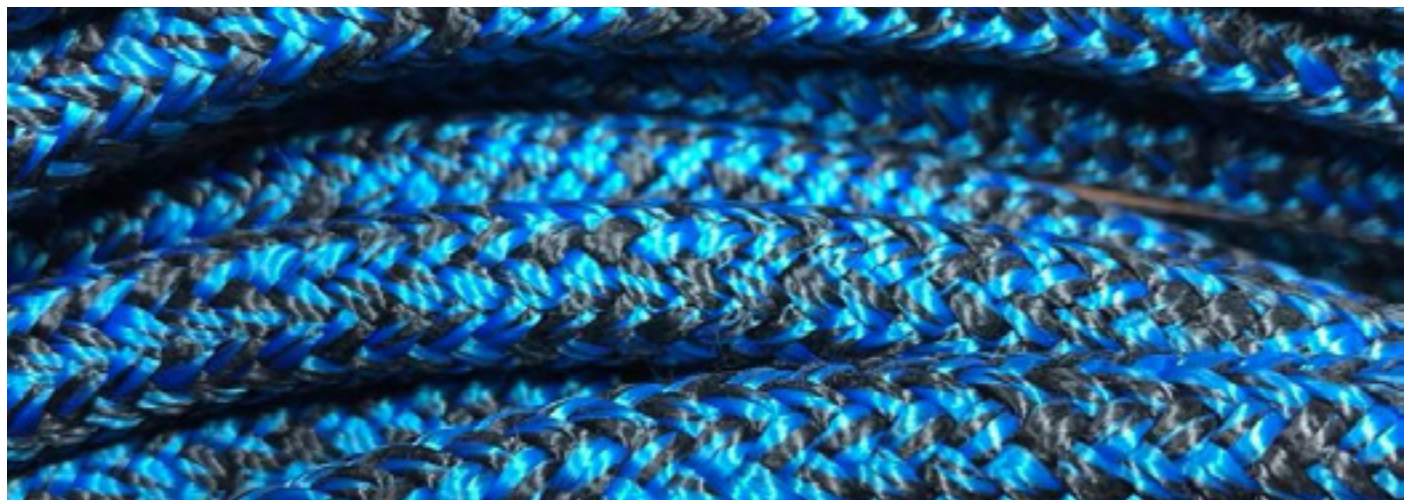
High resistivity to UV

APPLICATIONS

Securing objects

Take up lines

Nets



ACCESSORIES

RESCUE ROPE (BP)

Ideal safety rope

An ideal safety rope that is light weight, easy to handle floating line with high visibility. Good to attach to Dan bouy and painter lines for dinghies.

TECHNICAL	
MATERIAL	Multifilament Polypropylene
CONSTRUCTION	8-Strand Plait
RANGE	
DIAMETERS	3mm-44mm
REEL SIZE	300m
COLOUR	White
FEATURES	
	Good visibility
	Light weight
	Easy to handle
	Soft hand
	Floating line
APPLICATION	
	Painter Line
	Safety line for Dan buoys
	Floating throw line



BREAK LOADS

DIAMETER	REEL SIZE	BREAKLOAD (KG)
6mm	300m	600
8mm	300m	900
10mm	300m	1300



ACCESSORY CORD (BC)

Diverse rope offering a multiple range of uses. High tensile polyester cover and core providing low stretch.

TECHNICAL	
CORE	HT Polyester
COVER	HT Polyester
CONSTRUCTION	Braid-on-twist
RANGE	
DIAMETERS & REEL SIZE	2-3 mm available 300m reels 4-6 mm available 200m reels
COLOUR	Available in solid colours only
FEATURES	
	Round Rigid construction
	Low stretch
	Abrasion resistant
	UV resistant
APPLICATIONS	
	Control lines
	Leader lines
	Flag halyards
	Tie-downs
	Blind cords
	Awning cords
	Messenger lines
	Utility lines
	Net repair
	General purpose




BREAK LOADS

DIAMETER	REEL SIZE	WEIGHTS (gr/REEL)	BREAKLOAD (KG)
2mm	300m	1250	150
3mm	300m	2400	300
4mm	200m	2900	480
5mm	200m	3800	540
6mm	200m	6500	700

MOUSE LINE (MFPP)

Braided Multifilament Polypropylene with a hollow core used for mouse lines or for securing objects.

TECHNICAL	
MATERIAL	Multifilament Polypropylene
CONSTRUCTION	Braided
RANGE	
DIAMETERS	3mm
REEL SIZE	500m
COLOUR	Red, Blue, Black, Green, White and yellow
FEATURES	
Rigid Construction	
APPLICATION	
Mouse Lines	
Securing Objects	



WHIPPING TWINE (WT)

Southern Ropes Stealth Fibre® coated Whipping Twine. Whipping Twine is sold on a small reel to fit into your rigging box. This is essential for a rigger's toolbox.

TECHNICAL	
MATERIAL	Super-12®
CONSTRUCTION	12-Strand Braided
RANGE	
DIAMETERS	0.5mm
REEL SIZE	100m
COLOUR	Blue, Purple, Grey, Red, Black Yellow, White
FEATURES	
Colourful therefore can use as rope ID	
Strong	
High tenacity and abrasion resistance	
High resistivity to UV	
APPLICATIONS	
Whipping ropes	
Sewing Thread	
Nets	




BREAK LOADS

DIAMETER	BREAKLOAD (KG)
0.5mm	60

CHAFE COVERS (DC)

These covers protect ropes from abrasive damage

TECHNICAL	
MATERIAL	Super-12® GP-12 or Aramid
CONSTRUCTION	Single-cover braid
RANGE	
SIZES	6-8mm 10-12mm 14-16mm 18-20mm
REEL SIZE	100m
FEATURES	
High abrasion resistance	
Good UV Stability	
APPLICATION	
Protection of sheets and other ropes in high abrasion applications	




ACCESSORIES

SOFT SHACKLES

Soft Shackles are the perfect replacement for the traditional metal snap shackle and screw shackles. Soft Shackles are made out of HMPE and are adjustable. The shackle is made to connect strops or slings to vehicles, blocks or sheets on a boat. The soft shackle is a versatile tool with many applications.

The advantage of the soft shackle is that it is light and easy to handle. You do not need a special tool to open or close the soft shackle as you can pull the soft shackle open by hand. The shackle will pull tight under tension and then once it is relaxed it will be easy to open. The shackle will not damage anything around it or corrode or rust.



TECHNICAL

MATERIAL	Super-12®
CONSTRUCTION	12-Strand Braided
RANGE	
DIAMETERS	3mm, 4mm, 5mm, 6mm
COLOUR	Silver-grey, other colours available on request

FEATURES

Exceedingly high strength-to-weight ratio

Will not rust or corrode

Floats on water and will not sink in mud

No tools required

Maintains high strength around tight-radius bends

Low elongation

Minimal recoil at break

Abrasion-resistant

High resistance to bending fatigue

Exceptional UV and chemical resistance

APPLICATIONS

Steel shackle replacement

Connecting links

Vehicle recovery

Vehicle towing

Lifting

BREAK LOADS

DIMENSIONS	NET WEIGHT (G)	SHACKLE LOAD (KG)
3mm x 4cm	6	1270
4mm x 5.5cm	10	2260
5mm x 7.5cm	22	3400
6mm x 9cm	40	5200



ROPE COAT (D)

Abrasion and heat generation are often the problem with synthetic fibre ropes. Applying rope coat improves the performance of the yarns and the splicing efficacy. Polyurethane coating has a good stability and does not leave a sticky feel to the yarn once dried. It has a good wash and UV resistance. Rope coat comes in a variety of colours.



SOUTHERN ROPES RIGGING TAPE (T)

Tape used for ending rope off while splicing.



HSGM HOT KNIFE / ROPE CUTTER (2700)

Effortlessly cutting synthetic ropes, webbing and cords, cut and seal as you go! This industrial hot knife rope cutter is a hand operated tool that you plug into the wall. Once hot it will cut and seal the ends on all synthetic cords and ropes. It takes a mere 6-8 seconds to heat up to approx 600°C it will melt the rope and seal the ends. Heat may be controlled by switching tool on and off. This tool will save you both time and money compared to mechanical cutting, your ropes will last longer and the cutting process is quicker.

The Hot knife comes with blade for cutting and sealing rope easily.

2m cord with Euro plug

230V 50Hz 60Watt

HSGM
Hilfs- und Spezialmaschinen GmbH



Made in Germany by HSGM GmbH

SELMA FIDS (8230)

This set of 5 Selma fids are made from highly polished stainless steel, with the largest fid being made from nickle-plated brass. They are used for splicing double braids, twisted ropes and hollow braids ropes. They come in a protective case complete with detailed illustrated instructions for splicing loop splices, eye splices, back splices & end-to-end splices.



ROPE MEASURER (1440)

Ideal for measuring rope at ease for rapid or repetitive measuring. Fast and accurate delivery of a variety of different ropes up to 20mm.

Numbers indicating length can be read from either side of the meter.

Available in two sizes.

1.5 to 12mm

6mm to 20mm



PHOTO CREDITS: Ocean Rope, Angela Grey, Paul Wyeth, Timothy Olin



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