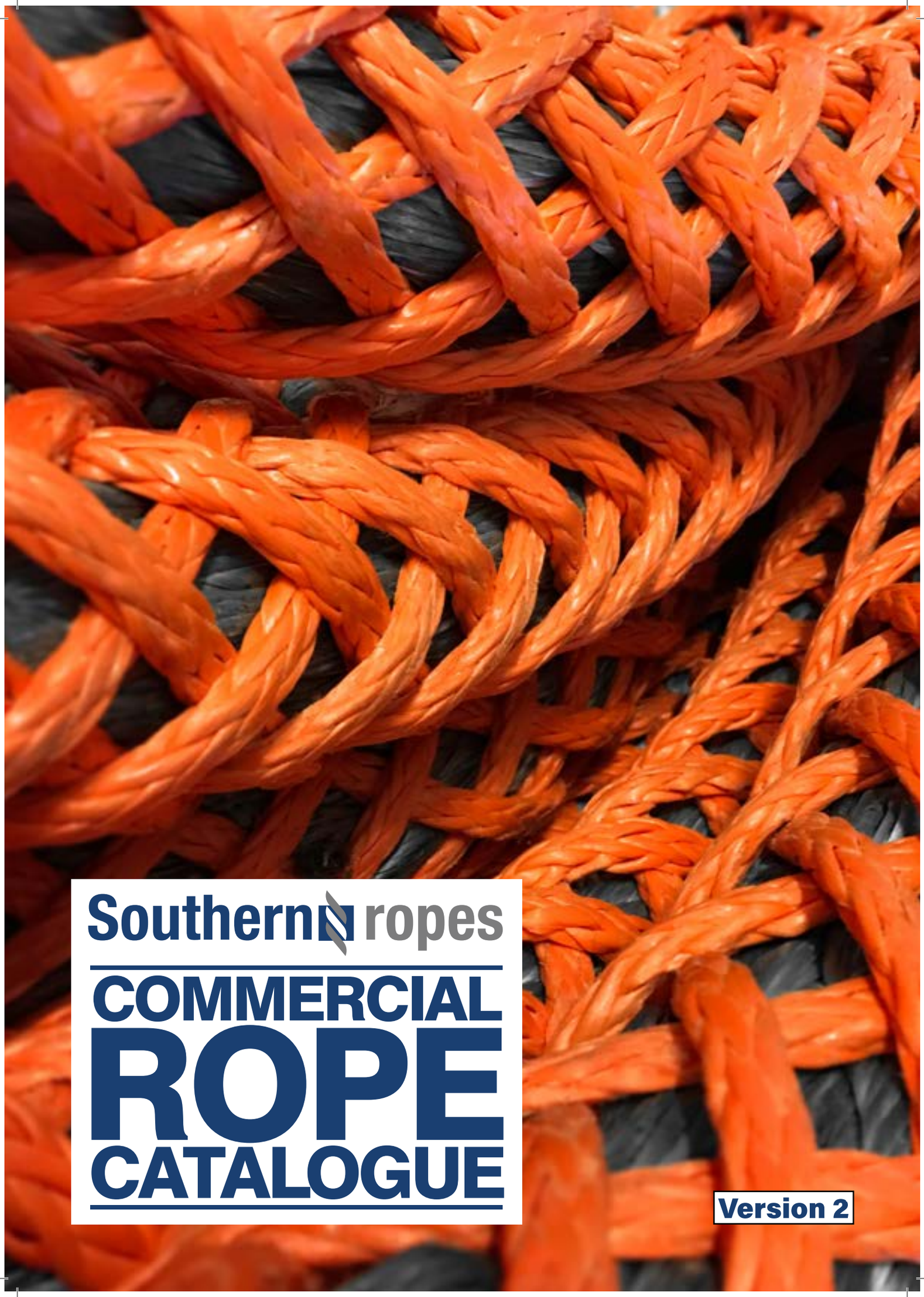


Southern ropes

COMMERCIAL ROPE CATALOGUE

Version 2

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 combination of mooring / winch lines suiting our customer requirements.

We manufacture all combination of ropes to standard and custom specifications; Southern Ropes is at the forefront of rope innovation. Combing the latest rope making technologies with strong and durable materials like UHMwPE, 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: **+ 44 (0)1489 589333** or on email: **sales@southernropes.co.uk.**

DISTRIBUTING WORLDWIDE

Southern Ropes is a global business, shipping ropes worldwide by sea, road, and air. We aim to deliver a reliable, fast and efficient delivery service of our products. Our years of experience in shipping all types and sizes of orders from small parcels to 40ft containers worldwide allows us to deliver an excellent international customer service. We offer bespoke solutions for bespoke products and to a multitude of destinations.

No shipment too small, too big, or too far.

International Distribution

- **By Road**
- **By Sea**
- **By Courier**
- **Bespoke Service**

Southern ropes

CONTENTS

GENERAL ROPE CARE

The general care is very important and it can increase your ropes life span.
Ropes can be damaged in many ways. The main causes are UV rays, chemicals, oil, sharp objects, and abuse.

- Don't store your rope in direct sunlight.
- Avoid excessive exposure to oil, chemicals, and chemical fumes.
- Using a rope bag will prolong the life of your rope.
- Never step on your rope, as this grinds particles of dirt into the rope's core causing internal abrasion.
- Give your rope a bath on occasion.
- Retire your rope, when it shows signs of wear.
- Inspect each line before use. It is impossible to state when to replace a line, but if you have any doubts, about the integrity of the line, replace it.

Uncoiling New Rope

Remove rope properly from coils to prevent kinking or strand distortion. The rope should be removed by pulling the rope from the centre of the coil upwards while the coil is on the floor. Never uncoil rope from the side of the coil.

Unreeling New Rope

To take rope off the reel, place the reel on its side and put a bar through the center of the reel. Hook the bar up so the rope can run freely. Pull the rope off the reel. This will prevent the rope from getting kinks in it.

Handling

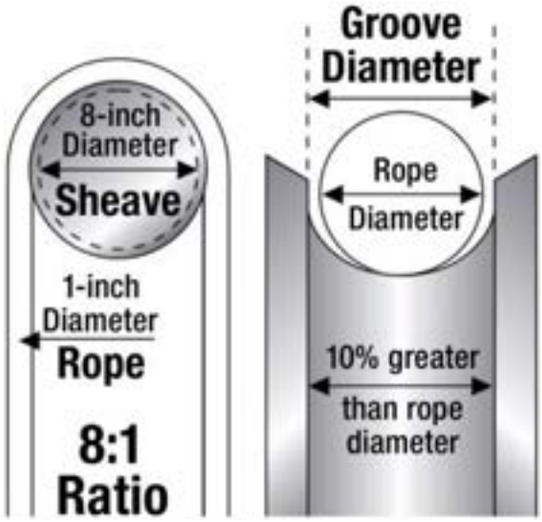
Never stand in line with rope under tension. If a rope fails it can recoil with lethal force. Synthetic rope has higher recoil tendencies than natural fibre rope. Reverse rope ends regularly. This permits even wearing and assures a longer, useful life.

Abrasion

Wherever possible abrasive conditions should be avoided. All rope will be severely damaged if subjected to rough surfaces or sharp edges. Chocks, bits, winches, drums and other surfaces must be kept in good condition and free of burrs and rust. Pulleys must be free to rotate and should be of proper size to avoid excessive wear. Clamps and similar devices will damage and weaken the rope and should be used with extreme caution. Do not drag rope over rough ground. Dirt and grit picked up by rope can work into the strands, cutting the inside fibres.

Pulleys and Sheaves

All surfaces against which a rope is to be used should be in good condition and free from burrs, rust and paint. To ensure maximum efficiency and safety, sheaves should be no less than eight times the rope diameter for braided ropes and no less than 10 times the rope diameter for twisted and plaited ropes. The sheave groove diameter should be no less than 10% greater than the rope diameter. The sheave groove should be round in shape. Sheaves with "V" shaped grooves should be avoided, as they tend to pinch and damage the rope through excessive friction and crushing of the rope fibres. Sheave surfaces should be kept smooth and free of burrs and gouges. Bearings should be maintained to ensure smooth rotation.



Capstans and Winches

When a rope is used on capstan or winch, care should be exercised to avoid surging while capstan or winch head is rotating. Excessive surging or slippage causes over-heating which can melt or fuse the synthetic fibres and resulting in loss of strength. A risk of deterioration occurs if a rope remains in the same working or bearing position over long periods of use. It can be reserved or swapped to spread the wear or if long enough can be periodically moved to a new bearing position.

Chemicals

Most synthetic fibres will withstand small doses of common chemicals in low concentration. Refer to the Chemical Resistance Table on Page 10, if you have any doubt please contact us for clarification. It is generally advisable to avoid exposure to chemicals where possible.

Temperature

High and low temperatures can an affect rope on its performance and tensile strength. The publish break loads are for ropes tested at room temperature. Ropes have a lower tensile strengths at a higher temperatures. Also continued exposure at elevated temperatures can melt and part.

This is applying to ropes tested at normal room temperature. Ropes have lower tensile strengths at higher temperatures. Also continued exposure at elevated temperatures can melt and part synthetic ropes or cause permanent damage.

Splicing

Join rope by splicing. Knots can decrease rope strength by as much as 60%, whereas splicing only reduces the strength by about 10%. Other terminations can be used but their strength loss with a particular type of rope and construction should be determined and not assumed.

Storage and care

All rope should be stored clean, dry, out of direct sunlight, and away from extreme heat. Some synthetic rope (particularly polypropylene, polyethylene, Zyon® and Aramid) may be severely weakened by prolonged expos~rn t~ ultraviolet (UV) rays unless specifically stabilized and/or pigmented to increase its UV resistance. UV degradation 1s indicated by discoloration and the presence of splinters and slivers on the surface of the rope.

Break Load

All Break load tests are performed in accordance with CI500 and ISO2307. Under laboratory conditions. Published break loads are an average of many tests. Never use a rope to its break load nor design using its without a safety factor. A safe work load (SWL) must always be adhered to.

Safe Working Loads

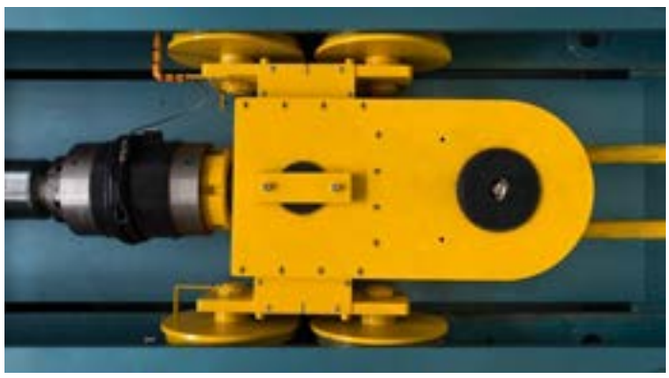
SWL recommendations very greatly depending on industry, application and rope condition and under normal working conditions with appropriate splices, Southern Ropes recommends a minimum safety factor of 5:1 or 20% of the break load.

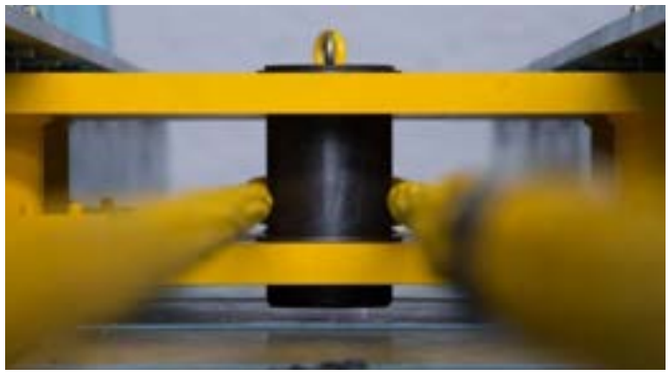
Dynamic Loads

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 all such applications such as towing lines, lifelines, safety lines, climbing ropes, etc., working loads as given do not apply. Users should be aware that dynamic effects are greater on a low stretch rope such as polyester than on a high stretch rope such as nylon, and greater on a shorter rope than on a longer one. The working loads listed contain provision for very modest dynamic loads. This means, however, that when the working load has been used to select a rope, the load must be handled slowly and smoothly for the working loads to be valid.

Testing & Quality Assurance

Southern Ropes is capable of in-house tensile testing up to 300 metric tonnes in Cape Town. Batches are tested frequently, and each rope is toughly examined before leaving the factory. Our strict quality control ensures only the highest standard reaches our customers. Other test services include proof reading and cyclic loading and constant load tests.





INSPECTION/REPAIR AND RETIREMENT CHECKLIST

Any rope that has been in use for any period of time will show signs of wear and tear, some characteristics of use will not reduce strength while others will. Ropes should be inspected on a regular basis for wear and tear and any faults / repair / retirement required.

- **ABRASION:** Broken strands or yarns caused by rough or sharp edges and surfaces (repair or replace depending on location and internal or external damage).
- **GLOSSY OR GLAZED AREAS:** Glossy or glazed are signs of heat damage these areas will have lost strength and the areas around the melted fibres may also be affected (replace rope).
- **DISCOLORATION:** Keep an eye out for discoloration that could be caused by chemical contamination, Asses what has caused the discoloration and replace if brittle or stiff.
- **INCONSISTENT DIAMETER:** Inspect all flat areas or lumps, this could be core or broken internal strands damage from overloading or shock loads. Replace rope.
- **INCONSISTENT TEXTURE:** If the rope has an inconsistent texture or is stiff, this could be a build-up of dirt or grit embedded in the rope or shock load damage – replace rope.

CHECKLIST		
IF THE ROPE IS SHOWING SIGNS OF ONE OR MORE OF THE BELOW:	**REPAIR**	**DISCARD**
Outer cover damaged including eyes		YES
Rope diameter reduced by abrasion		YES
Rope shows any signs of cut strands		YES
Localised areas of stiffness		YES
Areas of heat fusion		YES
Discoloration (chemical contamination)		YES
Inconsistent in diameter		YES
8 Strand pulled strand	YES	
8 strand Melted or glazed fibres Cut and re splice	YES	
Damaged Eye cut and resplice	YES	

PHYSICAL ROPE PROPERTIES

COMPARATIVE CHARACTERISTICS OF VARIOUS FIBRES

	NYLON	POLYESTER	HMPE	POLYETHYLENE
Strength - Tenacity of dry fibre (in grams/denier)	9.0	8.5	30	5 - 6.0
Wet strength compared to dry strength	85 - 90%	100%	100 %	100%
Rope shock load absorption ability	Excellent	Good	Poor	Very Good
Specific gravity of fibres or filaments	1.14	1.38	0.99	0.92
Able to float	No	No	Yes	Yes
Typical per cent of rope elongation at Break	20-30%	12-18%	3.5 %	20-25%
Creep (extension under sustained load)	Moderate	Low	Very Low	High

CHEMICAL RESISTANCE

	NYLON	POLYESTER	HMPE	POLYETHYLENE
Effects of Acids	Decomposed by strong mineral acids: resistant to weak acids	Resistant to most mineral acids: disintegrated by 95% sulphuric acid	Very Resistant	Very Resistant
Effects of Alkalis	Little or none	No effect cold: slowly disintegrated by strong alkalis at the boil	Very Resistant	Very Resistant
Effect of Organic Solvents	Resistant, soluble in some phenolic compounds and in 90% formic acid	Generally unaffected. Soluble in some phenolic compounds	Very Resistant	Soluble in hot chlorinated hydrocarbons

DEGRADATION

	NYLON	POLYESTER	HMPE	POLYETHYLENE
Resistance to ultraviolet in sunlight	Good	Good	Excellent	Modarate
Resistance to ageing for properly stored rope	Excellent	Excellent	Excellent	Excellent

ROPE ABRASION RESISTANCE

	NYLON	POLYESTER	HMPE	POLYETHYLENE
Surface	Very Good	Best	Excellent	Fair
Internal	Excellent	Best	Excellent	Good

EFFECT OF TEMPERATURE ON DRY ROPE

	NYLON	POLYESTER	HMPE	POLYETHYLENE
High temperature working limit	149°C	149°C	80°C	80°C
Low temperature working limit	-21°C	-21°C	-50°C	-50°C
Melts at	249°C	250°C	150°C	130°C

SPECIFIC GRAVITY

Specific gravity is the ratio of a material's density relative to that of fresh water at a given temperature and is dimensionless. A material will float if its specific gravity is less than that of the surrounding water and sink if it is greater. The degree of buoyancy is related to how similar the specific gravities are—a material closer to water is more neutrally buoyant, whereas a material much heavier than water will be very negatively buoyant and will sink rapidly.

TRADE NAME	MATERIAL	SPECIFIC GRAVITY
MFPP	Multifilament Polypropylene	0.91
Polysteel®	Polyolefin Copolymer	0.93
HDPE	High-Density Polyethylene	0.95
Stealth Fibre®	UHMwPE	0.98
Fresh Water	Fresh Water	1.00
Salt Water	Salt Water	1.03
Nylon	Polyamide	1.14
Polyrene®	Polyolefin/Polyester Blend	1.14
Manila	Natural Fibre	1.32
Polyester	Polyethylene terephthalate	1.38
Technora®	Aramid Copolymer	1.39
Vectran®	LCP	1.40
Twaron®	Para-Aramid	1.44 – 1.45
Cotton	Natural Fibre	1.54
Zylon®	PBO	1.54 – 1.56
Aluminium	Aluminium	2.72
Steel Wire	Steel Wire	~ 7.82

MELTING POINT

These temperature limits are intended to serve as a guideline for both short- & long-term exposure. Exceeding the advised limits can result in material degradation and loss in performance properties, including tensile strength. For non-strength-dependent applications, like insulation, wadding or other heat management, these limits can be exceeded but user discretion is advised.

Below are the advised temperature limits and melting points.

TRADE NAME	MATERIAL	MAX OPERATING TEMP	MELTING POINT
Stealth Fibre®	UHMwPE	70°C (155°F)	150°C (300°F)
HDPE	High-Density Polyethylene	80°C (175°F)	140°C (285°F)
Polysteel®	Polyolefin Copolymer	93°C (200°F)	140°C (285°F)
Cotton	Natural Fibre	100°C (210°F)	Does not melt. Chars at 150°C (300°F)
Manila	Natural Fibre	100°C (210°F)	Does not melt. Chars at 150°C (300°F)
MFPP	Multifilament Polypropylene	120°C (250°F)	165°C (330°F)
Polyrene®	Polyolefin/Polyester Blend	130°C (265°F)	196°C (385°F)
Vectran®	LCP	148°C (300°F)	330°C (625°F)
Nylon	Polyamide	160°C (320°F)	218°C (425°F)
Polyester	Polyethylene terephthalate	175°C (350°F)	260°C (500°F)
Technora®	Aramid Copolymer	270°C (520°F)	Does not melt. Decomposes at 500°C (930°F)
Twaron®	Para-Aramid	270°C (520°F)	Does not melt. Decomposes at 500°C (930°F)
Zylon®	PBO	330°C (625°F)	Does not melt. Decomposes at 650°C (1200°F)


A&P

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 the strands to share the load equally and therefore increasing performance and break load. Stealth Fibre® has strength second to none.

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

This process achieves significate 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 treatment. This process compacts the yarns and increases the net fibre density of the rope.

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 snagging and provides superior winch grip

TECHNICAL

> Material: Stealth Fibre® Ultra-high-molecular weight polyethylene - UHMwPE Heat-Treated with Abrasion-Resistant Coating
> Construction: 12-Strand Single Braided
> 32 cN/dtex tenacity
> 3.5% fibre elongation at break
> 0.98 g/cm^3 density

OPTIONS

> Available in 3 constructions:
- Single strand (1.5 - 9mm)
- Double strand (10 - 60mm)
- Braid-on-braid (62 - 105mm)

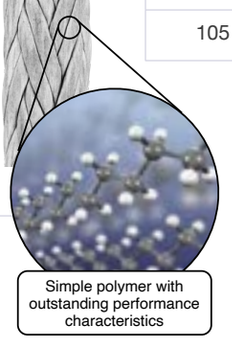
> 1.5mm to 105mm
> Standard Colour is Silver. Other colours available on request.
> 200m Lengths and custom on request
> Protective cover braid
> Spliced eyes

APPLICATION

> Wire rope replacement
> Winch lines
> Towing
> Lifting

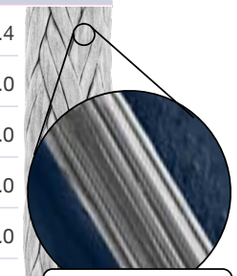
STEALTH SUPER-12®

DIAMETER (MM)	SPLICED STRENTH (METRIC TONNE)	LINEAR STRENTH (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
13	15.9	17.6
14	17.9	19.9
15	20.0	22.2
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	118.0	131.0

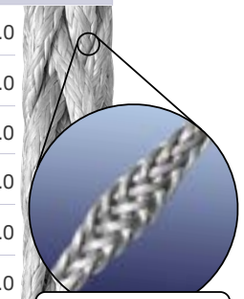


Simple polymer with outstanding performance characteristics

DIAMETER (MM)	SPLICED STRENTH (METRIC TONNE)	LINEAR STRENTH (METRIC TONNE)
40	131.0	145.4
42	143.0	160.0
46	157.0	186.0
48	181.0	200.0
50	191.0	212.0
52	201.0	223.0
54	215.0	240.0
56	230.0	255.0
58	248.0	275.0
60	268.0	300.0
62	293.0	325.0
64	320.0	355.0
66	339.0	375.0
68	360.0	400.0
70	379.0	420.0
72	400.0	444.0
74	424.0	470.0
76	450.0	500.0
78	474.0	526.0
80	500.0	555.0
88	600.0	666.0
96	710.0	788.0
105	850.0	944.0



Highly orientated fibres for the increased strength



Braided construction allows for easy splicing

GP-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. GP-12 has superior colour fast quality as the yarn is solution dyed, therefore prolonging the life of the rope.

STANDARD RANGE

> 3 – 30 mm (larger available on request)
> 200m Reels

FEATURES

> Solution dyed Stealth Fibre® (excellent colourfastness)
> Extreme strength-to-weight ratio
> 15 times stronger than steel
> Maintains high strength around tight radius bends.
> Hydrophobic fibre (no water absorption)
> Floats
> Easy to Splice
> Resistant to kinking
> Safer than wire (low recoil)
> Exceptional UV and chemical resistance
> Abrasion resistant coating reduces likelihood of snagging and provides superior winch drum grip.

TECHNICAL

> Material: Stealth Fibre®
> Construction: 12-Strand
> Treatment: Heat set with polyurethane coating

OPTIONS

> Available in 2 constructions:
- Single strand (1- 9 mm)
- Double strand (10 - 20mm)

> Custom Colours:
- Black (Standard)
- White
- Blue
- Orange
- Yellow
- Green

> Protective cover braid
> Larger diameters
> Spliced eyes
> Thimbles
> Proof loading with certificate.

APPLICATION

> Wire rope replacement
> Winch lines
> Towing
> Lifting
> Halyards
> Check Stays
> Guys
> Runner Tails
> Kickers
> Strops
> Stunts
> Ziplines

BREAK LOADS		
DIAMETER (MM)	SPLICED BREAK LOAD (TONNE)	LINEAR BREAK LOAD (TONNE)
1	0.28	0.31
2	0.85	0.94
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
18	31.3	34.7
19	34.9	38.7
20	40.8	45.3

*Tested in accordance with ISO: 2307:2019

TECH-12

Heat treated 12-strand Aramid single braid with abrasion resistant coating.
This rope is primarily designed for stunt rigging where high strength and low elongation are required while keeping the line as inconspicuous as possible. Aramid has great creep resistance and is perfect for standing rigging.

STANDARD RANGE

> 6 – 20 mm
> Heat-set with polyurethane coating

TECHNICAL

> Material: Aramid
> Construction: 12-Strand
> Decomposition: 500 degrees C
> Specific Gravity: 1.39

FEATURES

> High tenacity and abrasion resistance
> High resistivity to UV
> Low Creep
> Easy to Splice
> Exceptional heat resistance
> Flexible
> High Strength

APPLICATION

> Lifting
> Camera Zipline
> Strops for mooring

BREAK LOADS

DIAMETER (MM)	WEIGHT (kg/100M)	BREAK LOAD (METRIC TONS)
2	0.35	0.6
4	1.4	1.7
5	1.8	2.4
6	2.8	3.4
8	4.8	5.2
10	7.88	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

SOFT SHACKLES

Soft Shackles are the perfect replacement for the traditional metal snap shackle and screw shackles. Soft shackles are made from 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. It does not require a special tool to open or close as it can be pulled 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.

STANDARD RANGE

> 5T – 500T (larger available on request)

FEATURES

> Exceedingly high strength-to-weight ratio
> Will not rust or corrode
> Light weight and flexible to reduce the risk of back injuries and assist with on-site handling
> 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
> Certified tonnage rating
> Traceable and durable ID tags

TECHNICAL

> Material: Super-12® Sealth Fibre®
> Construction: 12-Strand Single Braided
> 32 cN/dtex tenacity
> 3.5% fibre elongation at break
> 0.98 g/cm^3 density

OPTIONS

> Additional protective coating available.
> Colour: Silver Grey. Other colours available on request.
> Break Loads: 30-500 tonne. Higher loads available on request.
> Minimum length dependent on break loads. (See break loads)
> Protective Cover braid available on body on requested.
> Proof load with certificate.

APPLICATION

> Steel shackle replacement
> Connecting links
> Vehicle recovery
> Vehicle towing
> Lifting

500T Soft Shackle

HOW TO USE

1. Open the eye as shown on the first picture
2. Pass the knot through the eye
3. Close the eye and butt it up against

BREAK LOADS

BREAK LOAD (T)	MIN OPEN LENGTH (M)	MINIMUM WEIGHT* (KG)
5	0.15	0.02
10	0.2	0.05
15	0.25	0.10
20	0.3	0.15
30	1.0	0.37
50	1.0	0.69
70	1.2	1.24
100	1.2	1.91
150	1.5	4.85
200	1.5	6.38
250	2.0	9.17
300	2.0	11.49
350	2.5	18.77
400	2.5	22.45
450	3.0	24.25
500	3.0	28.61

*Weight of Shackle with minimum open length
*Tested in accordance with ISO: 2307:2019

JOINING LINKS

UHMwPE TEXTILE SHACKLE

Heat Treated with Abrasion-Resistant Coating

STANDARD RANGE

> JL3 & JL2 28MM Joining links lashing

FEATURES

> Exceedingly high strength-to-weight ratio
> Will not rust or corrode
> Lightweight and flexible to reduce the risk of back injuries and assist with on-site handling
> 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
> Certified tonnage rating
> Traceable and durable ID tags

TECHNICAL

> Material: Stealth Fiber® Ultra-high molecular weight polyethylene
> Construction: 12-Strand
> 32 cN/dtex tenacity
> 3.5% elongation at break

APPLICATION

> Steel shackle replacement
> Connecting links
> Vehicle & Vessel recovery
> Vehicle & Vessel towing
> Lifting

BREAK LOADS

DESCRIPTION	MIN OPEN LENGTH (M)	BREAK LOAD (T)
JL2	2	133
JL3	2	200

*Tested in accordance with ISO: 2307:2019


2

SUPERLINE

Super-12® with a custom cover
The combination of UHMwPE core and customer cover offers the unique ability to build a rope to suit a specific application.

STANDARD RANGE

> 20mm – 100 mm
> Cover Fibre Choices:
- UHMwPE (Super-12®)
- Thechnora®
- Vectran®
- Multi-Filament Polypropylene(MFPP)
- Nylon
- Polyester (Super Braid)
- Polyethylene
- Combinations of the above

> Colour is dependent on fibre choice (custom colours only available with Multifilament Polypropylene, Nylon, Polyester, and Polyethylene)
> Lengths available on request

TECHNICAL

> Material: Cover Custom
- Core Super – 12®

> Construction: Braid on Braid

APPLICATION

> Towlines
> Mooring Lines
> Wire rope replacement
> Winch Line

FEATURES

FIBRE	ABRASION RESISTANCE	TENSILE STRENGTH	UV RATING	SPECIFIC GRAVITY
Stealth Fibre®	****	*****	*****	0.98
Technora®	****	*****	***	1.44
Vectran®	*****	*****	***	1.40
Zylon®	****	*****	***	1.56
Polyester	***	***	******	1.38
Nylon	****	***	****	1.14
Polyethylene	**	**	****	0.95
Polysteel	**	**	*****	0.93
MFPP	**	**	****	0.91

Superline total fibre linear density exceeds the ISO 10325 minimum linear density specifications for HMPE fibre rope, 12 – Strand construction specifications for all diameters.

BREAK LOADS			
FINISHED DIAMETER (MM)	CORE DIAMETER (MM)	SPLICED BREAK LOAD (T)	LINEAR BREAK LOAD (T)
24	20	40.8	45.3
26	22	47	52.2
28	24	55.2	61.3
32	26	65.3	72.5
34	28	76	84.4
36	30	82.5	91.6
38	32	84.6	93.9
40	34	95	105.5
44	36	106.8	118.5

SUPER-Q12

A high-tenacity, floating rope with excellent grip, handling and performance. This rope has been specifically designed to enhance grip & pulling efficiency on capstans, winches and bitts. The Spun Polyester also provides additional heat dissipation – especially when wet – meaning it can handle friction far better than 100% UHMwPE.

STANDARD RANGE

> 18 – 104 mm (other diameters available on request)
> 220 m reels (other sizes available on request)
> Available in grey (other colours available on request)

TECHNICAL

> Construction 12-Strand
> Material: Stealth Fibre® UHMwPE and Spun Polyester Blend
> Coefficient of Friction, μ 0.08 – 0.14*
> Treatment: Heat-Set and Coated
*Steel drum, Ra = 2.5 – 7.0 μm

FEATURES

> Excellent grip on winch drums, capstans & bitts
> High strength-to-weight ratio
> Polyester increases heat management
> Safer than wire (low recoil)
> Floats
> Low elongation & creep
> Easy to handle, splice & inspect
> Flexible & resistant to kinking
> Maintains high strength around tight-radius bends
> Exceptional UV and chemical resistance

APPLICATION

> Mooring Lines
> General Working Lines
> Winch/Capstan Lines
> Tow Rope
> Wire Replacement

OPTIONS

> Spliced eyes
> Custom colours

BREAK LOADS

DIAMETER (MM)	WEIGHT (kg/100M)	LINEAR STRENGTH (METRIC TONNE)
18	16.37	22.50
22	24.45	35.25
24	32.90	41.25
28	38.80	55.13
30	45.46	61.88
32	46.00	63.45
34	58.39	71.25
36	65.46	80.10
40	80.82	98.25
44	97.79	117.75
48	116.37	144.80
52	136.58	160.80
56	158.40	184.00
60	181.84	214.40
64	206.89	256.00
68	233.56	288.00
72	261.84	320.00
80	323.26	400.00
88	391.15	480.00
96	465.50	568.00
104	546.32	680.00

Tested in accordance with ISO 2307:2019

Notes: CAPSTAN EQUATION

The tension on the standing end of the capstan or winch can be calculated using the following equation:

$$\frac{T_i}{T_f} = e^{2\pi\mu w}$$

$$T_f = \frac{T_i}{e^{2\pi\mu w}}$$

Where,

T_i = Initial Tension
T_f = Finall Tension
e = 2.7182
π = 3.1416
μ = Coefficient of Friction
w = Number of Wraps

For example, a Super-Q12 with a 100 t line tension with 5 wraps around a drum would result in a final tension of 3.157 t when using the average Coefficient of Friction (0.11):

$$T_f = \frac{100}{e^{2\pi \times 0.11 \times 5}}$$

$$= 3.157$$

POLYESTER

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 Polyrene and is therefore similarly a sinking rope. Polyester ropes manufactured at Southern Ropes exceed both the British and European Standard published by the European Committee for Standardisation, or CEN (BS EN 697:1995).

STANDARD RANGE

> 6mm – 46mm Larger diameters available on request
> 220m Coils
> White, Black, Navy (Red or Green if ordered in sufficient quantity)

FEATURES

> BS EN 697:1995
> Strength not affected by water
> Does not shrink
> UV Resistant
> Abrasion resistant
> Sinking rope

TECHNICAL

> Material: Polyester
> Construction:
- 3-Strand
- 4-Strand
- 8-Strand
- 12-Strand

APPLICATION

> Anchor warps
> Mooring warps
> Lanyards
> Fender Lines
> Towing Lines
> Traditional halyards and ropes
> Net frame ropes
> General purpose industrial ropes

3- & 4-STRAND POLYESTER

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
6	220	6.5	850
8	220	11.6	1450
10	220	18	2290
12	220	26	3450
14	220	35.3	4400
16	220	46	6000
18	220	58.3	7000
20	220	72	7400
22	220	87	10800
24	220	104	12500

8-STRAND POLYESTER

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
32	220	184	20800
36	220	233	25700
38	220	260	28350
40	220	288	35000
44	220	348.5	37600
48	220	414.7	42100
50	220	450	53450
56	220	565	59800
60	220	648	68600
64	220	737	81000
68	220	832	89000
72	220	933	99000
76	220	1037	104000
80	220	1152	116000

12-STRAND POLYESTER

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
8	220	11.6	1595
10	220	18	2519
12	220	26	3795
14	220	35.3	4840
16	220	46	6600
18	220	58.3	7700
20	220	72	8140
22	220	87	11880
24	220	104	13750
26	220	122	15675
28	220	141	18150
30	220	162	20570
32	220	184	22880
36	220	233	28270
38	220	260	31185
40	220	288	38500
44	220	348.5	41360
48	220	414.7	46310
50	220	450	58795
56	220	565	65780
60	220	648	75460

NYLON

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 (kg) when wet. New Nylon ropes can stretch up to 35% of their length before they break. The stretch characteristic of a used rope will reduce proportionally to the number of times it has been worked, and to the load 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).

STANDARD RANGE

> 6mm to 48mm
> 220m coils (Other lengths available on request)
> Colour: White

FEATURES

> BS EN 943:2002
> Resilient and abrasion resistant
> High stretch
> Shock absorbing

TECHNICAL

> Material: Nylon
> Construction:
- 3-Strand
- 8-Strand
- 12-Strand

APPLICATION

> Mooring lines
> Anchor warps
> Towing lines
> Fishing lines
> Kinetic ropes
> Parachute anchor lines

3-STRAND NYLON

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
6	220	5.2	750
8	220	9.3	1350
10	220	14.3	2080
12	220	20.6	3000
14	220	28	4100
16	220	36.5	5300
18	220	46	6700
20	220	57	8300
22	220	69	10000
24	220	82	12000
26	220	97	13900
28	220	112	15800

8-STRAND NYLON

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
40	220	228	3000
44	220	276	35800
48	220	330	42000
50	220	357	45400
56	220	448	56000
60	220	512	63800
64	220	582	72000
68	220	660	81000
72	220	738	90000
76	220	825	100000
80	220	915	11000
82	220	961	11500
84	220	1006	120500
88	220	1104	131000

12-STRAND NYLON

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
8	220	9.3	1485
10	220	14.3	2288
12	220	20.6	3300
14	220	28	4510
16	220	36.5	5830
18	220	46	7370
20	220	57	9130
22	220	69	11000
24	220	82	13200
26	220	97	15290
28	220	112	17380
30	220	129	19690
32	220	146	22000
36	220	184	27280
38	220	206	30140
40	220	228	33000
44	220	276	39380
48	220	330	46200
50	220	357	49940

POLYRENE®

Polyrene® been developed as an economic alternative to nylon, maintaining similar strength, specific gravity, and appearance characteristics, without water-related strength loss or hardening with use. A new rope will stretch approximately 25% at break. The permanent elongation after initial loading to safe working load is approximately 4%.

STANDARD RANGE

> 6 – 44 mm
> 220m coil size
> Available in white
- Other colours available on request

TECHNICAL

> Material:
> Polyrene®
> Construction:
- 3-Strand,
- 8-Strand and
- 12-Strand

FEATURES

> Excellent abrasion resistance
> UV resistant
> Strength not affected by water
> Does not shrink
> Sinking rope

APPLICATION

> Mooring Line
> Anchor Warps
> Towing Lines
> Frame Net Ropes
> Foot Ropes
> Head Lines

3-STRAND POLYRENE®

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
6	220	5.2	800
8	220	9.3	1400
10	220	14.3	2100
12	220	20.6	3000
14	220	28	4100
16	220	36.5	5200
18	220	46	6600
20	220	57	8100
22	220	69	9500
24	220	82	11400
26	220	97	13200
28	220	112	15000
30	220	129	17000
32	220	146	19000
36	220	184	23560
38	220	206	26000
40	220	228	28500

8-STRAND POLYRENE®

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
32	220	146	19000
36	220	184	23560
38	220	206	26000
40	220	228	28500
44	220	276	34000
48	220	330	40000
50	220	357	43100
56	220	512	53200
60	220	582	60000
64	220	660	68400
68	220	738	76000
72	220	825	85000
76	220	915	95000
80	220	961	104000
82	220	1006	109000
84	220	1104	114000

12-STRAND POLYRENE®

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
20	220	57	8910
22	220	69	10450
24	220	82	12540
26	220	97	14520
28	220	112	16500
30	220	129	18700
32	220	146	20900
36	220	184	25916
38	220	206	28600
40	220	228	31350
44	220	276	37400
48	220	330	44000
50	220	357	47410
56	220	448	58520
60	220	512	66000

SUPER FLEX

Polypropylene and Polyester Mix. High tenacity polypropylene & polyester composite fibres. Ideal rope for towing stretchers and mooring ropes as very good when wet as its strength is equal when wet and dry.

FEATURES

> Wet strength equal to dry strength
> High strength-to-weight ratio for ease of handling
> Exceptional resistance to frictional heat damage
> Manufactured in accordance with OCIMF guidelines
> Remains flexible & easy to splice
> Fully UV stabilized
> Excellent chemical resistance, except in the presence of alkalis
> Abrasion Resistant

APPLICATION

> Ideal for marine applications such as towing stretchers
> Single point mooring lines (SPM)
> Lifting and messenger lines

TECHNICAL

> Material: Polypropylene and polyester mix
> Construction: 8 – Strand
> Specific Gravity: 0.99 – 1.14
> Melting Point: Polyester 265°C, Polypropylene 165°C
> Elongation: 18% at break

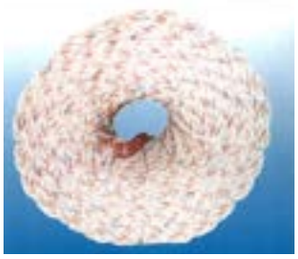
OPTIONS

> 36 – 96mm
> Construction: 8 Strand
> Available in white and blue fleck

BREAK LOADS

DIAMETER (MM)	kg/220M	BREAK LOAD (T)
36	132	24.8
40	192.5	34.2
44	228.8	40.8
48	264	47.4
52	310.2	55.5
56	345.4	63.2
60	402.6	72.4
64	453.2	81.6
68	510.4	91.8
72	567.6	102
76	622.6	112
80	701.8	125
88	836	148
96	983.4	174

TCLL is the actual breaking load of a wet rope after 1000 cyclical loadings. This is expressed as a percentage of the original wet breaking strength.



MAXI FLEX

Polypropylene and Polyester Mix. Made from high tenacity co-polymer yarns. A competitive alternative to Nylon and staple Polypropylene . Inner polypropylene and outer Polyester construction.

FEATURES

> Excellent abrasion resistance
> Excellent strength
> Flexible and easy to handle
> Protected splice eye at each end
> UV Resistance Good (as per customer request)
> Floats

APPLICATION

> Ideal for a variety of marine applications
> Ideal in fishing as a general multi-purpose hard working rope.
> Mooring, Towing, Securing
> Lifting and Messenger Lines.

OPTIONS

> 36 – 96mm
> Available in 110m or 220m coils

TECHNICAL

> Material: Polypropylene and Polyester mix
> Construction: 8 – Strand
> Specific Gravity: 0.95
> Melting Point: 165°C

BREAK LOADS

DIAMETER (MM)	kg/220M	BREAK LOAD (TONNE)
36	128.92	20.8
40	157.96	30.2
44	193.82	36.5
48	228.8	43
52	267.96	50
56	311.96	58
60	358.82	66
64	407	75
68	460.9	84.5
72	515.02	94.5
80	638	116
88	770.22	139
96	916.96	165

POLYSTEEL®

A low cost, low weight (floating), UV resistant and high quality tensile synthetic rope. Polysteel® is manufactured from extruded copolymer fibres, whose properties result in ropes that size for size are almost triple the strength of traditional manila fibre ropes and almost 50% stronger than conventional tape polypropylene ropes. These ropes have very good abrasion resistance and are manufactured in various colours and to different specifications depending on their particular use and customer requirements.

FEATURES

> ISO 1346:2012
> ISO 9554:2010
> Excellent abrasion resistance
> UV Resistant
> Lightweight
> Floats

APPLICATION

> Material: Polysteel®
> Construction: 3, 8 & 12 Strand

TECHNICAL

> Material: Polysteel®
> Construction: 3, 8 & 12 Strand

OPTIONS

> 6 – 72 mm (larger diameters available on request)
> 220m coils (other lengths available on request)
> Colours: White, Silver, Turquoise, Yellow (other colours available on request)

3-STRAND POLYSTEEL®

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
6	220	4	770
8	220	7	1345
10	220	10	2000
12	220	14.5	2845
14	220	20	3905
16	220	25.5	4900
18	220	33	5500
20	220	40	7520
22	220	49	8450
24	220	57	10200
26	220	68	11870
28	220	78	13540
30	220	90	15482
32	220	101	17425
36	220	130	21100
40	220	158	24980
44	220	193	30165

8-STRAND POLYSTEEL®

DIAMETER (MM)	COIL SIZE (M)	kg /COIL	BREAK LOAD (kg)
24	220	57	10200
28	220	78	13540
32	220	101	17425
36	220	130	21100
38	220	144	24550
40	220	158	28000
44	220	194	33750
48	220	230	39750
52	220	270	45750
56	220	312	52000
60	220	360	59500
64	220	407	67550
68	220	460	76000
72	220	515	84500
76	220	577	94000

12-STRAND POLYSTEEL®

DIAMETER (MM)	COIL SIZE (M)	kg / COIL	BREAK LOAD (kg)
8	220	7	1496
10	220	10	2238
12	220	14.5	3190
14	220	20	4295
16	220	25.5	5401
18	220	33	6930
20	220	40	8360
22	220	49	9790
24	220	57	11539
26	220	68	13552
28	220	78	15290
30	220	90	17600
32	220	101	19250
36	220	130	24288
38	220	144	26785
40	220	158	29546
44	220	194	34958
48	220	230	40898
50	220	248	44000
56	220	312	55100
60	220	360	61700

LEADED POLYSTEEL®

A low cost general purpose leaded rope manufactured for the fishing industry. Leaded Polysteel® is a high quality tensile synthetic rope with high abrasion resistant Polysteel® fibres in a 3–Strand construction with a leaded core.

FEATURES

> Excellent abrasion resistance
> Sinks

APPLICATION

> Fishing nets
> Pot rope
> Agriculture
> Aquaculture

TECHNICAL

> Material: Polysteel® with lead in the core
> Construction: 3 – Strand

OPTIONS

> 10 – 16 mm
> 220 m coils
> Colours vary according to size

3-STRAND POLYSTEEL®		
DIAMETER (MM)	COIL SIZE (M)	kg / COIL
10	220	17
12	220	22
14	220	30.5
16	220	38

TIGER ROPE

3-Strand Polysteel® with two yellow strands and one black strand.

STANDARD RANGE

> 220m coils
> 8mm to 24mm coils

FEATURES

> Excellent shape retention
> Dry & Wet conditions: Identical Wet & Dry Strengths
> Abrasion: Resistance Good
> Water Absorption: None
> Floating Ropes
> Chemical Resistance
• Acids: Excellent

TECHNICAL

> Material: Polysteel®
> Construction: 3-Strand
> Colour: Two Yellow strands and one black strands
> Specific Gravity: 0.91
> Melting Point: 165 °c

APPLICATION

> Buoy line
> Control ropes
> Ducting draw cords
> General Industrial
> Marine use

STANDARD RANGE			
DIAMETER (mm)	COIL SIZE (m)	WEIGHT/220 M (kg)	BREAK LOAD (kg)
8	220	7	1345
10	220	10	2000
12	220	14.5	2840
14	220	20	3905
16	220	25.5	4900
18	220	33	5500
20	220	40	7520
22	220	49	8450
24	220	57	10200

TACTICAL FAST ROPE

RAPID HELICOPTER DEPLOYMENT & EXTRACTION ROPE

8-Strand Nylon/Acrylic Blend

Developed for Military & Special Forces around the world, the Southern Ropes Tactical Fast Rope leverages expert material selection, fibre form and construction to produce the optimal balance of performance, ease-of-use and reliability. The combination of knobbly 8-strand construction and staple-spun fibre makes the rope extremely easy to grip, even in the harshest conditions. Fast Ropes are supplied ready-to-use, with a terminal eye at one end for mounting the rope and a whipped end at the other. Each rope is manufactured bespoke, offering the choice between a Covered Soft Eye or Stealth Sky Hook terminal. Extraction loops can also be spliced into the rope for easy insertions and extraction of heavily-laden personnel.

FEATURES

> Grippy design
> Spun fibre enhances grip
> Light & flexible
> Shock-absorbing
> Hard-wearing & abrasion-resistant
> Liquid absorption properties reduce slipperiness in poor conditions
- Oleophilic Acrylic absorbs oil & grease
- Hydrophilic Nylon absorbs water

TECHNICAL

> Nominal Diameter: 40 mm
> Construction: 8-Strand
> Material: Nylon/Acrylic Blend
> Colour: Olive Green
> Linear Density: 57.5 kg/100 m (relaxed)
> Runnage: 1.75 m/kg (relaxed)

OPTIONS

> Stealth Fibre® UHMwPE Extraction Loops
> Soft eye with cover

TERMINATION OPTIONS

STEALTH SKY HOOK:

> 200 mm Eye Size (Standard)
> GP-12 Rope spliced into tail to form an eye
> Covered with black Chafe Sheath
> Made from 100% Black Stealth Fibre® UHMwPE
> Impregnated with proprietary Polyurethane Coating Blend to increase abrasion resistance
> Light, flexible and easy to use in tight spaces

STEALTH SKY HOOK		
TERMINAL WEIGHT (KG)	**FIBRE MATERIAL**	**CHAFE PROTECTION**
0.3	Stealth Fibre® UHMwPE	Stealth Fibre® UHMwPE Sheath

SOFT EYE WITH OR WITHOUT COVER:

> 200 mm Eye Size (Standard)
> Standard 8-strand spliced eye
> Woven Ripstop Sleeve with abrasion- & UV-resistant coating
> Robust and best for training purposes and operations where weight is not critical

SOFT EYE WITH COVER		
TERMINAL WEIGHT (KG)	**FIBRE MATERIAL**	**CHAFE PROTECTION**
1.0	Acrylic/Nylon Blend	Woven Ripstop Sleeve

HEMPTEX

3-STRAND HAWSER LAY SYNTHETIC HEMP ROPE

Hemptex is a strong, weather- & UV-resistant rope that combines the superior properties of synthetic fibres with the classic look and feel of natural fibres. Unlike natural fibres, the polypropylene fibres used in Hemptex are hypoallergenic, do not rot and do not absorb water, while the added UV stabiliser further prolongs the life of this rope making it perfect for outdoor use. Hemptex also breaks in faster and has a softer handle than natural fibre alternatives.

STANDARD RANGE

> Diameters: 6 – 46 mm (larger diameters available on request)
> Reel Length: 220 m
> Colour: Beige

FEATURES

> No swelling or change in diameter when wet
> Classic look
> Lightweight
> Floats
> Soft handle
> Grips well
> Good abrasion resistance
> Hypoallergenic

TECHNICAL

> Construction: 3-Strand Hawser Lay
> Material: Multifilament Polypropylene
> Yarn Type: Air-texturised

OPTIONS

> Spliced eyes

APPLICATIONS

> Tall Ships
> Classic Boats
> Rigging
> Decorative
> Handrails
> Safety/cargo/scramble nets
> Film sets/stage productions
> General purpose use

STANDARD RANGE

DIAMETER (mm)	COIL SIZE (m)	WEIGHT/100 M (kg)	LINEAR STRENGTH (kg)
6	220	1.5	385
8	220	2.7	672
10	220	4.2	998
12	220	6.1	1421
14	220	8.3	1953
16	220	10.8	2450
18	220	13.7	3115
20	220	16.9	3759
22	220	20.4	4550
24	220	24.3	5320
26	220	28.5	6195
28	220	33.1	7070
30	220	38.0	8050
32	220	43.2	8960
36	220	54.7	11270
38	220	60.9	12425
40	220	67.5	13580
42	220	74.4	14966
44	220	81.7	16380
46	220	89.3	17903

Tested in accordance with ISO 2307:2019

GENERAL PURPOSE CORDS

YACHTMASTER

Yachtmaster is a high tenacity polyester double braid has a loose sheath construction for softer in the hand. General purpose sinking rope with a stable construction that keeps the rope round. Polyester has excellent UV and abrasion resistant properties and will not shrink or lose strength when wet. This rope is easier to splice than a conventional Polyester Braid due to its loose construction.

STANDARD RANGE

> 5 – 88 mm (larger diameters available on request)
> 200 m reels (other sizes available on request)
> Available in white with a coloured fleck or in solid colours such as Black, White, Navy, Blue, Green, Red, Beige, Yellow, Grey (other colours available on request)

FEATURES

> BS EN 697
> ISO 10554
> Strength not affected by water
> Does not shrink
> UV resistant
> Abrasion resistant
> Sinking rope

TECHNICAL

> Core Material: HT Polyester
> Cover Material: HT Polyester
> Construction: Double Braid
> Treatment to increase performance and abrasion resistance

OPTIONS

> Spliced eyes

APPLICATIONS

> Anchor warps
> Mooring warps
> Lanyards
> Fender lines
> Towing lines
> Traditional halyards and ropes
> Net frame ropes
> General-purpose industrial ropes

BREAK LOADS

DIAMETER (MM)	g/M (APPROX.)	BREAK LOAD (kg)
6	27	900
8	48	1700
10	67	2350
12	100	3250
14	133	4200
16	143	5600
18	222	7800

DOCK LINE

SOFT NYLON AND POLYESTER DOUBLE BRAID FOR MOORING APPLICATIONS

The combination of nylon core and polyester cover gives this rope excellent stretch recovery and abrasion resistant properties perfect for mooring. This rope is soft, easy to work with and spliceable.

STANDARD RANGE

> 10 – 36 mm
> 220 m reel
> Available in solid colours: Black, Navy, Grey and White

FEATURES

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

TECHNICAL

> Cover: HT Polyster
> Core: Nylon
> Construction: Double Braid

OPTIONS

> Spliced eyes

APPLICATIONS

> Mooring Lines
> Fender Lines
> Painter Lines

BREAK LOADS

DIAMETER (MM)	REEL SIZE (M)	Kg/REEL	BREAK LOAD (KG)
10	220	14.3	2550
12	220	20.9	3500
14	220	26.4	4960
16	220	31.9	6420
18	220	40.0	8100
24	220	72.0	14300
25	220	78.0	15600
28	220	98.0	19500
32	220	127.0	25500
36	220	162.0	32300

POLYETHYLENE

Polyethylene has an excellent resistance to abrasion, as well as to shock loading. The rope performs well on line haulers and is particularly well suited for small, individual trap fishing applications. The ropes have a smooth, slippery finish and are easy to handle. Polyethylene does not have the same tenacity as Polysteel® and when used in a similar application, a larger diameter polyethylene rope

STANDARD RANGE

> 4mm – 38mm
> 220m reels (other sizes available on request)
> 8mm
- 30m Hanks
- 50m Hanks
- 220m coils

> 10mm
- 30m Hanks
- 50m Hanks
- 300m coils

> Available in orange (other colours available on request)

FEATURES

> Lightweight
> Durable
> Floats

TECHNICAL

> Material: Polyethylene
> Construction: 3-Strand

APPLICATIONS

> Fishing
> Agriculture
> Truck tie downs
> General purpose industrial use

BREAK LOADS

DIAMETER(MM)	COIL SIZE (M)	Kg / coil	BREAK LOAD (kg)
6	220	5	400
8	220	8	700
10	220	11.5	1090
12	220	16	1540
14	220	22	2090
16	220	28.5	2800
18	220	36	3500
20	220	44	4270
22	220	53.5	5100
24	220	63.5	6100

BASKET BRAID

Polyethylene braid
General purpose flat polyethylene braid

STANDARD RANGE

> 6mm – 12mm available in 500m coils
- 8mm – 30m Hank
- 8mm, 10mm, 300m coils

> Orange and available in solid colours

FEATURES

> Lightweight
> Loose construction allows easy splicing
> Durable
> Floats

TECHNICAL

> Material: Polyethylene
> Construction: 12-Strand

APPLICATIONS

> Cargo nets
> General purpose
> Rescue line
> Safety rope
> Tie downs

BREAK LOADS

DIAMETER(MM)	COIL SIZE (M)	Kg / meter	BREAK LOAD (kg)
6	500	77	340
8	500	45	585
10	500	35	693
12	500	20	994

SKI ROPE

Polyethylene braid

STANDARD RANGE

> 6mm – 18mm available in 200m reels
> Available in solid colours and white/colour combinations

FEATURES

> Lightweight
> Loose construction allows easy splicing
> Durable
> Floats
> UV stabilised

APPLICATIONS

> Cargo nets
> General purpose
> Towing rope for water sports
> Rescue line
> Safety rope
> Tie downs

TECHNICAL

> Material: Polyethylene
> Construction: 8 - Strand

BREAK LOADS

DIAMETER (MM)	REEL SIZE(M)	Kg/Meter	BREAK LOAD (kg)
6	220	77	340
8	220	45	585
10	220	35	693
12	220	20	994

RESCUE ROPE

An ideal safety rope that is lightweight, easy to handle floating line with high visibility. Good to attach to Dan buoys and painter lines.

STANDARD RANGE

> 8mm
> 10mm
> 300m coils

FEATURES

> Good visibility
> Lightweight
> Easy to handle
> Soft in hand
> Floating line

TECHNICAL

> Material: Multifilament Polypropylene
> Construction: 8 – Strand Plait

OPTIONS

> Reflective marker

APPLICATIONS

> Painter line
> Safety line for Dan buoys
> Floating throw lines

BREAK LOADS

DIAMETER (MM)	REEL SIZE (M)	BREAK LOAD (kg)
6	300	395
8	300	700
10	300	1050

ACCESSORY CORD

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

STANDARD RANGE
> 2mm – 3mm available in 300m reels
> 4mm – 6mm available in 200m reels
> Available in solid colours

FEATURES
> Rigid construction
> Low stretch
> Abrasion resistant
> UV resistant

TECHNICAL
> Material: HT Polypropylene
> Construction: Round Braid

APPLICATIONS
> Control line
> Leader lines
> Flag halyards
> Tie downs
> Blind cords
> Awning cords
> Messenger lines
> Utility lines
> Net repair
> General purpose

BREAKLOADS

DIAMETER (MM)	REEL SIZE (M)	kg/REEL	BREAK LOAD (KG)
2	300	270	150
3	300	120	300
4	200	77	480
5	200	55	540
6	200	40	700

MOUSE LINE

Flat cord for a diverse range of uses. Multifilament polypropylene braided which will not absorb water and therefore very versatile.

STANDARD RANGE
> 3mm
> Supplied on 2kg spools
> Colours:
- White
- Red
- Blue
- Black
- Green
- Yellow

FEATURES
> Rigid construction

TECHNICAL
> Material: Multifilament polypropylene
> Construction: Braided

APPLICATIONS
> Mouse line
> Securing objects
> Tie downs
> Net repairs
> General purpose

SHOCK CORD

SHOCK CORD WITH POLYESTER COVER

High stretch elastomer covered with a polyester braid giving excellent stretch and recovery properties, and a stretch ratio of 100%.

STANDARD RANGE

> 3mm – 10mm
> 50m – 100m reels
> Available in solid colours and white with colour markers

TECHNICAL

> Cover: Polyester
> Core: Rubber
> Construction: Round Braid

FEATURES

> 100% stretch
> Excellent recovery from stretch

APPLICATIONS

> Securing
> Tie downs
> Nets
> Lashing

BREAKLOADS

DIAMETER (MM)	REEL (M)	BREAK LOAD (KG)
3	100	120
4	100	120
5	100	120
6	100	300
7	100	300
8	100	500
10	100	500

STEALTH STRETCH

SHOCK CORD WITH STEALTH FIBRE® COVER

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

STANDARD RANGE

> 4mm
> 5mm
> 6mm
> 100m reels

FEATURES

> 100% Stretch
> Excellent recovery from stretch
> Soft in hand
> High tenacity and abrasion resistance
> Will not fade in UV
> High resistance to UV

TECHNICAL

> Cover: Stealth Fibre®
> Core: Rubber
> Construction: Braid over parallel core

APPLICATIONS

> Securing objects
> Take up lines
> Nets

Breakloads are higher than shock cord with polyester cover however its the highest abrasive cover that makes more atractive.

ACCESSORIES

WHIPPING TWINE

STEALTH FIBRE® WHIPPING TWINE

Whipping Twine for whipping the ends of ropes or finishing off a splice. Southern Ropes offers two options Stealth Fibre® Whipping Twine or HT Waxed Polyester Whipping Twine.

FEATURES

> Colourful – can use rope as ID
> High tenacity
> Abrasion resistance
> High resistance to UV

STANDARD RANGE

> 0.5 mm
> 100m reel (available on longer spools if requested)
> Stealth Fibre® Whipping Twine in 3 colours: Black, Yellow, White

TECHNICAL

> Stealth Fibre® HMPE 12 Strand with abrasion resistant coating

APPLICATIONS

> Whipping ropes
> Sewing thread

HT WAXED POLYESTER WHIPPING TWINE

FEATURES

> High tenacity
> Abrasion resistance

STANDARD RANGE

> 0.5 mm
> 100m reel (available on longer spools if requested)
> Polyester whipping Twine in White

TECHNICAL

> Waxed Polyester Braided Whipping Twine

APPLICATIONS

> Whipping ropes
> Sewing thread

HSGM HOT KNIFE / ROPE CUTTER

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

Made in Germany by HSGM GmbH HSGM

ROPE MEASURER

Ideal for measuring rope at ease for rapid or repetitive measuring. Fast and accurate delivery of a variety of different ropes up to 24mm.

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

SELMA SPLICING FIDS

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.

SAFETY

LIFEBUOY CABINET

Life Buoy Cabinet can store both the 30 inch and 24 inch round Lifebuoy Rings with the Encapsulated Floating Line Holder. The Cabinet can be supplied with a removable lid. This protects the lifesaving equipment against vandalism, theft and the elements.

Lifebuoy Cabinet specs:

Order Code: LBC
Material: HDPE Polyethylene
Dimensions: 850mm x 850mm x 230mm
Weight: 6.5kg

Lifebuoy Cabinet Lid Specs:

Order Code: LBC-L
Material: HDPE Polyethylene
Dimensions (mm): 640mm x 800mm x 70mm
Weight: 3kg

Galvanised Mounting Poles:

1.5m Pole with base plate mounted for installation
Order Code: LBC-P15
Base plate size 200mm x 200mm
Weight: 8.75kg

2m Pole for below surface mounting
Order Code: LBC-P20
Weight: 8.75kg

Encapsulated Floating Line Holder

A tough plastic UV resistant rope holder that fits neatly into internal diameter of the Lifebuoys. Makes it very easy to dispense the lifebuoy without the rope twisting and tangling. Life Buoy Cabinet can store both the 30 inch and 24 inch round Lifebuoy Rings with the Encapsulated Floating Line Holder.

Rope: 6mm Polyethelyne Braided
Material of White Line Holder: Polyethylene

Order Code: LH30
Polyethelyne Ski rope length: 30m
To suit Lifebuoy size: 30 Inch
Dimensions: 480mmL x 70mmH x 120mmW
Weight: 600grms

Order Code: LH24
Polyethelyne Ski rope length: 24m
To suit Lifebuoy size: 24 Inch
Dimensions: 390mmL x 70mmH x 120mmW
Weight: 450grms

LIFE BUOY ACCESSORIES

30m 8mm Braided Floating Heaving line

Order Code: PE0830O-C

A 30mtr length of 8mm Braided Orange Polyethylene floating safety line with a plastic hook spliced into one end.

Lifebuoys

2 different sizes to suit the encapsulating floating line holders.

*Solas approved

72cm (30") – LB30* -2.5kg

57cm (24") – LB24 -1.5kg

Safety Throw Line Bag

Order code: TL-BAG

- 30 meters 6mm orange braided floating safety line.
- Weighted bag to make it easier to throw accurately.
- Easy to re-packaged.
- Overall length of bag 50 cm
- Diameter of bag 10 cm
- Weight of bag is 650grams

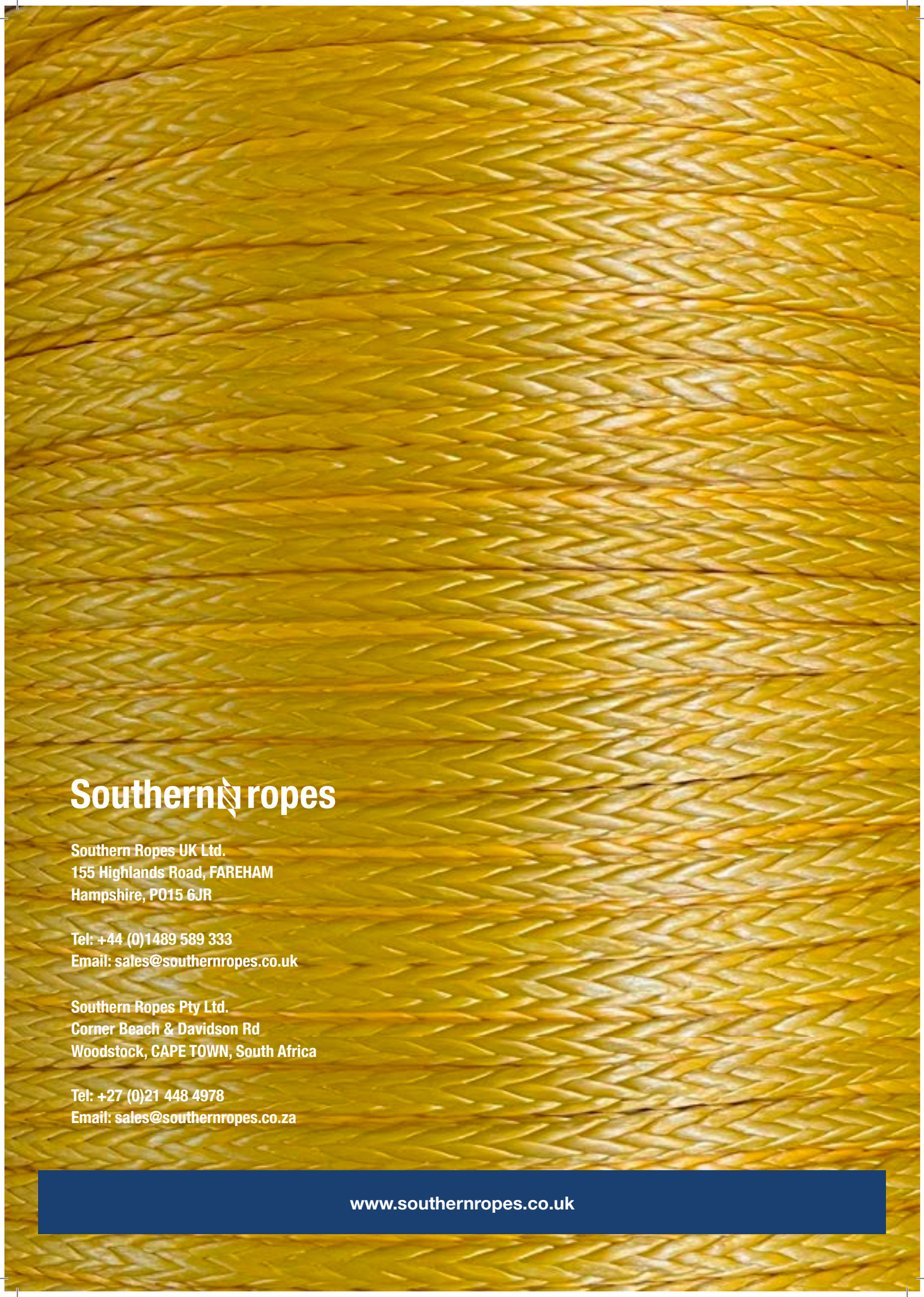
How to use instructions are on reverse of the bag: Hold the plastic loop in one hand and throw the bag at your target.

Lifebuoy Cabinet Fixing U-Bolt Set

Code: LB-UB

2 x M10 U-bolts, 4 x M10 nuts, 4 x spring washers, 4 x washers

Designed to fit approximately 50mm poles.



Southern ropes

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