Synthetic Mooring Solutions

Nylon Mooring Lines

V1_2015

The Sealite Advantage

- High strength nylon 6.6 core with smooth stretch up to 20%
- Very flexible and light weight and suitable with various attachment devices
- Easy to install with galvanised thimble eyelets embedded into the rubber casing. Heavy duty stainless steel thimbles also available on request
- The Mooring Line is UV stabilised and salt water resistant allowing it to be virtually maintenance free for years
- Abrasion/cut resistant rubber protects the inner nylon fibres from the elements and keeps out water, mud and creatures
- Friendly to the marine environment
- Special thimble eye configurations can be requested
- Individual serial numbers for easy traceability through the use of internal RFID

Sealite's synthetic mooring solutions provide a lightweight and environmentally sensitive alternative to traditional mooring chain and are ideal for many marine mooring applications. Unlike chain, the synthetic mooring solution minimises damage to the sea bed whilst the smooth stretch of the unique nylon core absorbs shock loads in the wave and tidal conditions of the marine environment. These unique mooring solutions are a perfect complement to Sealite's complete range of mooring and navigation buoys and can be used in many applications as a chain replacement.

Heavy duty construction

The mooring line incorporates load bearing nylon fibres laid in an endless, parallel lay construction into galvanised wire rope thimbles or high performance stainless steel thimbles.

The entire construction is covered in a vulcanised industrial rubber that protects the nylon core and thimbles from corrosion in salt and fresh water. The unique design of the embedded thimbles eliminate fraying of the nylon fibres, whilst the abrasion and cut resistant rubber is UV stabilised and salt water resistant allowing it to be virtually maintenance free for years.

Load bearing fibres protected by thick, black rubber skin

Lightweight design

The use of nylon and rubber materials makes the mooring line very flexible and light weight whilst maintaining break strains consistent with traditional chain. The light weight solution means handling, installation and servicing is made easier with a reduction in heavy lifting and deployment equipment.

Tailored to suit various requirements

The Sealite synthetic mooring line is a high performance solution, best suited for all marine conditions and environments.

With over 50 different types available, the Sealite synthetic mooring solution has carved a strong place in the market and is perfect for use in rivers, lakes, estuaries, harbours, bays and oceans.

Single lengths range from 300mm to standard 20 metres along with the option of joining multiple lengths to suit any application. Break strengths range from 8 tonne through to 100 tonne.

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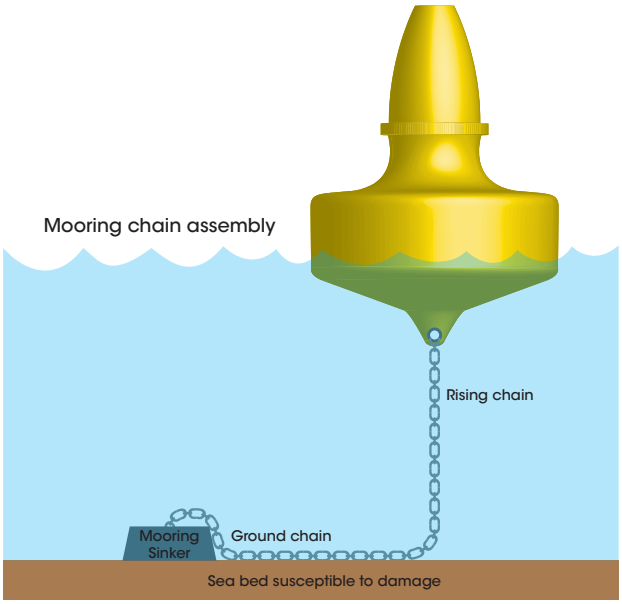
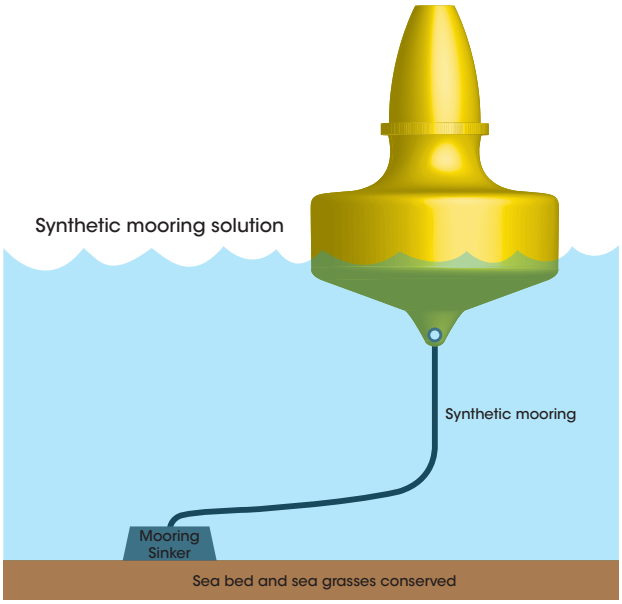
Environmentally friendly

The Sealite synthetic mooring solution provides an environmentally friendly and long-lasting alternative to traditional chain and fibre rope mooring systems which can damage the sea bed and are detrimental to the marine environment. This is due to the positive buoyancy of the mooring line which floats versus the effect of ground chain around the mooring anchor.





Synthetic Mooring Solutions							
Break Strength[1]	8 tonne	12 tonne	20 tonne	30 tonne	50 tonne	70 tonne	100 tonne
4 metre length	5kg	5kg	6kg	10kg	17kg	20kg	29kg
6 metre length	6kg	6kg	8kg	12kg	20kg	25kg	36kg
10 metre length	7kg	9kg	12kg	18kg	32kg	40kg	55kg
15 metre length	9kg	11kg	16kg	25kg	43kg	59kg	79kg
20 metre length	12kg	14kg	21kg	30kg	56kg	78kg	102kg
A.S. 1138 Galvanised Thimble size	22mm	24mm	28mm	36mm	44mm	52mm	52mm
Stainless 316 heavy duty steel thimble option	19mm	25mm	N/A	N/A	N/A	N/A	N/A

- Specifications subject to change or variation without notice
* Subject to standard terms and conditions

1. Break strength is the applied load at which the mooring strop fails

Higher break strengths up to 100t and different lengths up to 20 metres standard and longer lengths available on request

HOW TO ORDER

Synthetic Mooring Solutions

SL-SM-[tonne]-[length]-[thimble]

Product No.:

Break Strength:
8, 12, 20,30, 50, 70 or 100 = tonne

Mooring length:
From 3–20 = Length of mooring (metres)

Thimble size:
22, 24, 28, 36, 44 or 52 = Galvanized thimble size (mm)
19 or 25 = Stainless thibmle size (mm)

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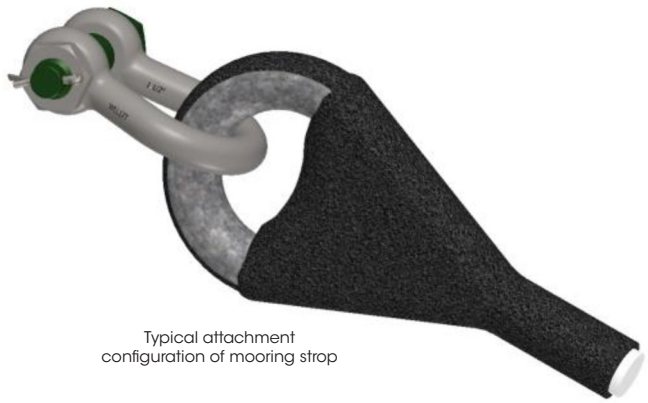
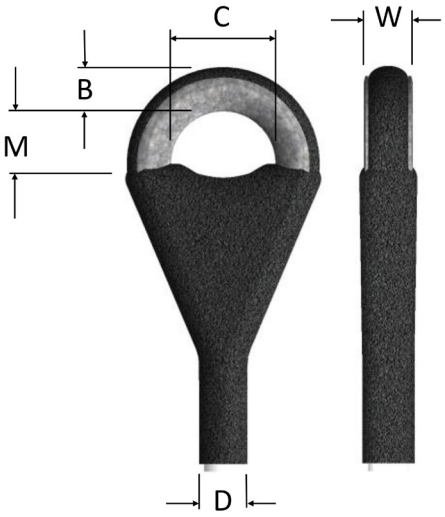
Thimbles



Typical attachment configuration of mooring strop



Standard Galvanised Thimbles					
Break Strength[1]	12 tonne	20 tonne	30 tonne	50 tonne	70 tonne
Galvanised Thimble Size to AS1138	Type 24mm	Type 28mm	Type 36mm	Type 44mm	Type 52mm
C	64mm	76mm	105mm	125mm	140mm
B	32mm	34mm	40mm	60mm	60mm
M Note: rubber flaps in thimbles can be trimmed to suit	48mm	60mm	70mm	70mm	100mm
D	32mm	36mm	46mm	58mm	70mm
W	34mm 38mm with rubber sides	38mm 42mm with rubber sides	48mm 52mm with rubber sides	62mm 66mm with rubber sides	72mm 76mm with rubber sides
E	11mm	14mm	16mm	18mm	20mm

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1. Break strength is the applied load at which the recovery strop fails

Thimble dimensions can vary within the AS1138 Standards and rubber trimming dimensions are approximate due to the manufacturing process

Optional Stainless Steel Thimbles		
Break Strength[1]	12 tonne	20 tonne
316 Stainless Steel heavy duty thimble	Type 3/4" (19mm)	Type 1" (25mm)
C	52mm	64mm
B	30mm	34mm
M Note: rubber flaps in thimbles can be trimmed to suit	46mm	50mm
D	32mm	36mm
W	32mm 36mm with rubber sides	40mm 45mm with rubber sides
E	6mm	7mm

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1. Break strength is the applied load at which the recovery strop fails

Thimble dimensions can vary within the AS1138 Standards and rubber trimming dimensions are approximate due to the manufacturing process