Melbourne Rope & Splicing

DYNEEMA® SK75

12-STRAND SINGLE BRAID ROPE



High-performance rope. Custom splicing. Solutions for every application.

Specialising in AA Grade Dyneema SK-75 rope and professional custom splicing, we provide lightweight, high-strength rope solutions tailored to your requirements.

APPLICATIONS

- Agriculture & farm winching
- 4WD & vehicle recovery
- Marine & yacht rigging
- Powerline & utility applications
- Cable pulling & hauling
- Industrial & commercial use

KEY BENEFITS

- Exceptional strength-to-weight ratio
- Lightweight and easy to handle
- Low stretch under load
- Excellent UV resistance
- High abrasion resistance
- Floats and has negligible water absorption
- Non-conductive



SOFT SHACKLES

- Made in our Victoria, Dyneema splicing workshop.
- Lightweight, strong, versatile soft shackles made from Dyneema SK75 in our Victorian workshop.
- Tag to Australian military and mining compliance regulations.
- Each batch break destruction test by Active Lifting SA of South Australia.

CONTACT US

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bryan@ropemelbourne.com.au

OUR CUSTOMERS

snowy hydro · BHP · Rio Tinto · Australian Border Force · CFA · Army · Downer · John Holland · Powercor Australia · Air Force · Glencore · Navy · CAT Caterpillar · CSIRO · SES

Melbourne Rope & Splicing

HIGH MODULUS POLYETHYLENE (HMPE) FIBRE

Offering exceptional strength, durability and performance across a wide range of applications.

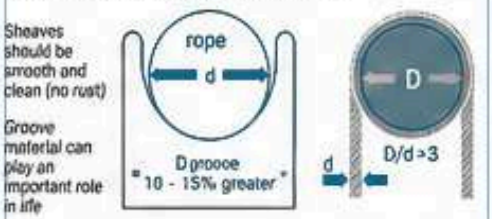


FIBRE CHARACTERISTICS

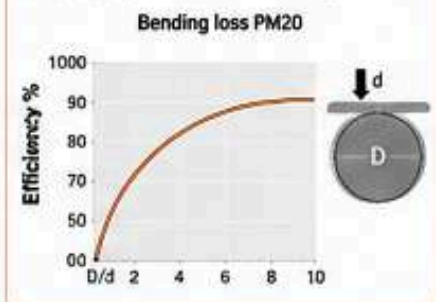
- High strength-to-weight ratio
- Low stretch under load
- Excellent abrasion resistance
- UV and chemical resistance
- Floats on water
- Non-conductive
- Melting temperature: 152°C
- Specific gravity: 0.97

Physical properties of "Ocean 12" Dyneema® SK75 in Bending - Bending Applications

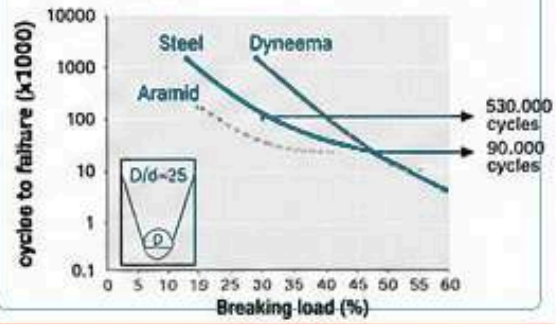
Rope properties; bending fatigue



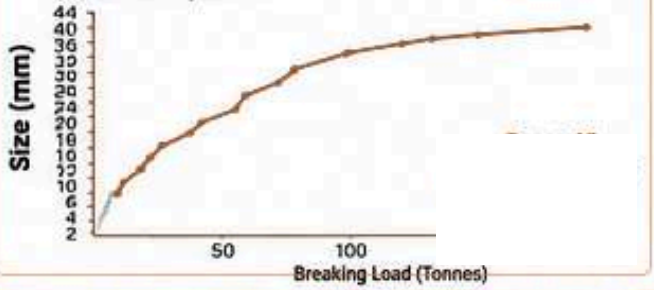
Rope properties; static bending



Bending fatigue



Break Comparsion



Stretch vs Break Load



DYNEEMA SK75 ROPE – TECHNICAL SPECIFICATIONS & PRICING (GST INCL)

Diameter	Construction	Breaking strain	Specific gravity	Melting temperature	Elongation at break	Splice cost addition	Cost Delivered GST incl	Weight per 100m
3 mm	1×8 Sk75 strands	1500 kg	0.97	152° C	3%	$35.00	$1.60 per Meter	0.75 kg
4 mm	1×8 Sk75 strands	2000 kg	0.97	152° C	3%	$35.00	$1.80 per Meter	1.1 kg
5 mm	1×8 Sk75 strands	3100 kg	0.97	152° C	3%	$35.00	$2.30 per Meter	1.7 kg
6 mm	1×12 Sk75 strands	4200 kg	0.97	152° C	3%	$35.00	$2.80 per Meter	2.3 kg
8 mm	1×12 Sk75 strands	6600 kg	0.97	152° C	3%	$35.00	$5.50 per Meter	3.8 kg
10 mm	1×12 Sk75 strands	10000 kg	0.97	152° C	3%	$45.00	$9.00 per Meter	6.1 kg
12 mm	1×12 Sk75 strands	17000 kg	0.97	152° C	3%	$45.00	$11.00 per Meter	9.3 kg
14 mm	1×12 Sk75 strands	21000 kg	0.97	152° C	3%	$50.00	$15.00 per Meter	12 kg
16 mm	1×12 Sk75 strands	25000 kg	0.97	152° C	3%	$55.00	$18.00 per Meter	14 kg
18 mm	1×12 Sk75 strands	34000 kg	0.97	152° C	3%	$70.00	$20.00 per Meter	19 kg
20 mm	1×12 Sk75 strands	40000 kg	0.97	152° C	3%	$70.00	$25.00 per Meter	22 kg
30 mm	1×12 Sk75 strands	77000 kg	0.97	152° C	3%	$100.00	$75.00 per Meter	43 kg
44 mm	1×12 Sk75 strands	193000 kg	0.97	152° C	3%	$200.00	$130.00 per Meter	100 kg

DYNEEMA SOFT SHACKLES

Diameter	Price (each)
6 mm	$25.00
8 mm	$35.00

Diameter	Price (each)
10 mm	**$45.00**
12 mm	**$55.00**
16 mm	**$75.00**