

12-Strand Dyneema® Fiber Rope (UHMWPE)

Product code : **DYNEEMA**

DESCRIPTION

The 12-strand Dyneema® fiber rope (UHMWPE) yields the maximum in strength-to-weight ratio and is stronger than wire rope constructions. It floats, offers superior flexibility and stands up well to intensive use.

TECHNICAL SPECIFICATIONS

15x Stronger than a steel cable of the same diameter (weight per weight ratio)

Extremely light (1/7th weight of steel cable)

High abrasion, fatigue and wear resistant

Flexible, easily to splice and handle

Excellent UV and chemical resistance

Heat resistance (short-term) 70°C (158°F)

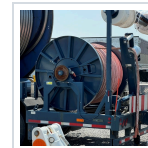
Similar elastic elongation to wire rope

Easily inspected

Hydrophobic and Floats

Torque-free

Standard colors Orange, green, white, blue (other colors may be available upon request)



Applications

- Helicopter longlines & slings
- Diving lifelines
- Winch lines and cables
- Synthetic winch extensions
- Pulling lines
- Eye and Eye Slings / Chokers
- Complex rigging lines
- Wire replacement ropes
- Temporary Pipe Restraint Systems (TPR)

ADDITIONAL INFORMATION

Note: Standard rope assemblies are marked with a Working Load Limit (WLL) calculated with a safety factor of 10:1. If your application requires a different safety factor, please specify.

Code	Diameter (mm / in)	Weight (kg / 100 m, lb / 100 ft)	Average strength (kg / lb)
DYNEEMA04 COA	3.2 mm (1/8 in)	0.75 kg (0.5 lb)	1 315 kg (2 900 lb)
DYNEEMA06 COA	4.8 mm (3/16 in)	1.5 kg (1.0 lb)	2 495 kg (5 500 lb)
DYNEEMA08 COA	6.4 mm (1/4 in)	2.4 kg (1.6 lb)	3 946 kg (8 700 lb)
DYNEEMA10 COA	7.9 mm (5/16 in)	3.9 kg (2.6 lb)	6 033 kg (13 300 lb)
DYNEEMA12 COA	9.5 mm (3/8 in)	5.2 kg (3.5 lb)	8 845 kg (19 500 lb)
DYNEEMA14 COA	11.1 mm (7/16 in)	6.2 kg (4.2 lb)	10 659 kg (23 500 lb)
DYNEEMA16 COA	12.7 mm (1/2 in)	8.7 kg (5.8 lb)	15 422 kg (34 000 lb)
DYNEEMA20 COA	15.9 mm (5/8 in)	14.1 kg (9.5 lb)	23 814 kg (52 500 lb)
DYNEEMA24 COA	19.1 mm (3/4 in)	17.4 kg (11.7 lb)	29 937 kg (66 000 lb)
DYNEEMA28 COA	22.2 mm (7/8 in)	26.1 kg (17.5 lb)	43 091 kg (95 000 lb)
DYNEEMA32 COA	25.4 mm (1 in)	30.9 kg (20.8 lb)	50 802 kg (112 000 lb)
DYNEEMA36 COA	28.6 mm (1-1/8 in)	43.2 kg (29.0 lb)	68 039 kg (150 000 lb)
DYNEEMA40 COA	31.8 mm (1-1/4 in)	48.4 kg (32.5 lb)	77 101 kg (170 000 lb)
DYNEEMA44 COA	34.9 mm (1-3/8 in)	62.2 kg (41.8 lb)	93 440 kg (206 000 lb)
DYNEEMA48 COA	38.1 mm (1-1/2 in)	68.0 kg (46.0 lb)	104 326 kg (230 000 lb)

Breaking strength	Elastic elongation
10%	0.46%
20%	0.70%
30%	0.96%

PRODUCT PAGE AND REFERENCES

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<https://www.barry.ca/products/dyneema-12-strand-dyneema-fiber-rope-uhmwpe>



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