

Marlow[®] DATASHEET

VEGA

Vega is a UKCA and CE EN1891 certified whilst also being ANSI Z133 compliant. The light-weight arborist climbing rope, that boasts the lowest elongation currently on the market (1.2%). Designed specifically for the new generation of mechanical climbing devices and modern climbing techniques.

The braided polyester core provides extremely low elongation which ensures an easier and less exhausting climb, whilst the 24 plait polyester jacket gives the rope exceptional flexibility and handling without compromising on durability.

Type A Ropes

Type A ropes are suitable for general use in rope access, line rescue and speleology.

Type B Ropes

Type B ropes are of a lower performance than type A ropes, requiring greater care in use.

Vega meets and exceeds all requirements of type A, except the 'drop test dynamic performance', which is in accordance with type B requirements.

NOW AVAILABLE IN LIME

**IDEAL FOR SRT
CLIMBING**



APPLICATIONS:

SRT Climbing rope

**MATERIAL
CORE
COVER**Polyester
24 plait polyester**FEATURES & BENEFITS:**Light weight
Extremely low elongation
Ideal for SRT climbing
Durable
Splicable**TEST STANDARD:**

CE EN 1891 TYPE B, ANSI Z133, UKCA

PERFORMANCE

| | OUR TESTING RESULTS | EN 1891 TYPE A REQUIREMENTS | EN 1891 TYPE B REQUIREMENTS | ANSI Z133 REQUIREMENT |
|---|---------------------|-----------------------------|-----------------------------|-----------------------|
| Diameter (mm) | 11.7mm | 8.5-16mm | 8.5-16mm | >11mm |
| 50-150kg elongation (%) | 1.2% | <5% | <5% | n/a |
| Elongation at 540lbs (%) | 2.6% | n/a | n/a | <7% |
| Shrinkage (%) | 0% | n/a | n/a | n/a |
| Mass Core (g/m) | 45.2g/m | n/a | n/a | n/a |
| Mass Cover (g/m) | 55.6g/m | n/a | n/a | n/a |
| Mass Rope (g/m) | 100.9g/m | n/a | n/a | n/a |
| Av. Static strength ex terminations (kN) | 36.8kN | 22kN | 18kN | 24kN |
| Av. Static strength with fig. 8 loop (kN) | 18.9kN | 15kN | 12kN | n/a |
| Av. Static strength with low profile eye (kN) | 21.2kN | 18kN | 12kN | n/a |
| Material | Polyester | | | |
| Drop Test | | | | |
| Fall Factor 1. Falls Fig. 8 loop | 10* | 5** | 5*** | n/a |
| Peak force (kN) fig. 8 loop | 5.25kN | < 6kN | < 6kN | n/a |

* Marlow Drop testing results using 80kg weight

** Drop test type A requires to use 100kg weight

*** Drop test type B requires to use 80kg weight.

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Certification Number 315
ISO 9001