



**Blairvadach  
Bytes**

## **How Strong is a Rope?**

**The climbing ropes we use at Blairvadach are very strong, but how strong?**

**By cutting apart a rope under load we can see what it is made of and get a rough idea of how strong it is.**



**Cutting the 'sheath' (the outside bit) we can reveal 14 internal 'cores' (the white bit).**

**Just 2/3 of one these 'cores' could hold 40kg before breaking.**

**From this we can roughly calculate that the rope could hold at least 840kg.**

**Watch the video to see the rope snap and see the maths.**

**[Click here to see the  
YouTube video](#)**

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#FunFacts**

