



Note: This representation of EN 892 and UIAA 101 does not contain the full details of the test methods and requirements in these standards; it gives only a simplified pictorial presentation. For full details, EN 892: 2012 + A1: 2016 and UIAA 101: 2018 should be consulted. © UIAA 2020

## Conditioning of Test Samples

All tests shall be done after conditioning as follows:  
24 h ( $50 \pm 5$ ) °C and  $\leq 20$  % rel. humidity, after that  
72 h ( $23 \pm 2$ ) °C and ( $50 \pm 2$ ) % rel. humidity, after  
that testing shall start within 10 min. at ( $23 \pm 2$ ) °C.

## Marking

EN 892 requires durable bands UIAA 101 permits the option of marking that is printed directly on the rope.



single rope



half rope

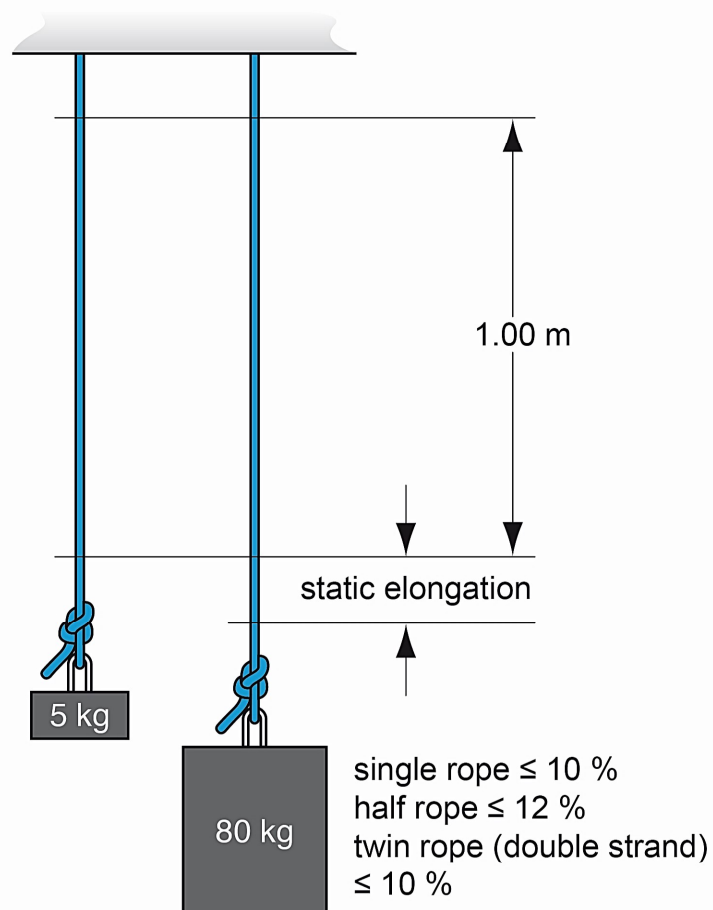


twin rope

- length and diameter of rope
- year of manufacture
- name of manufacturer

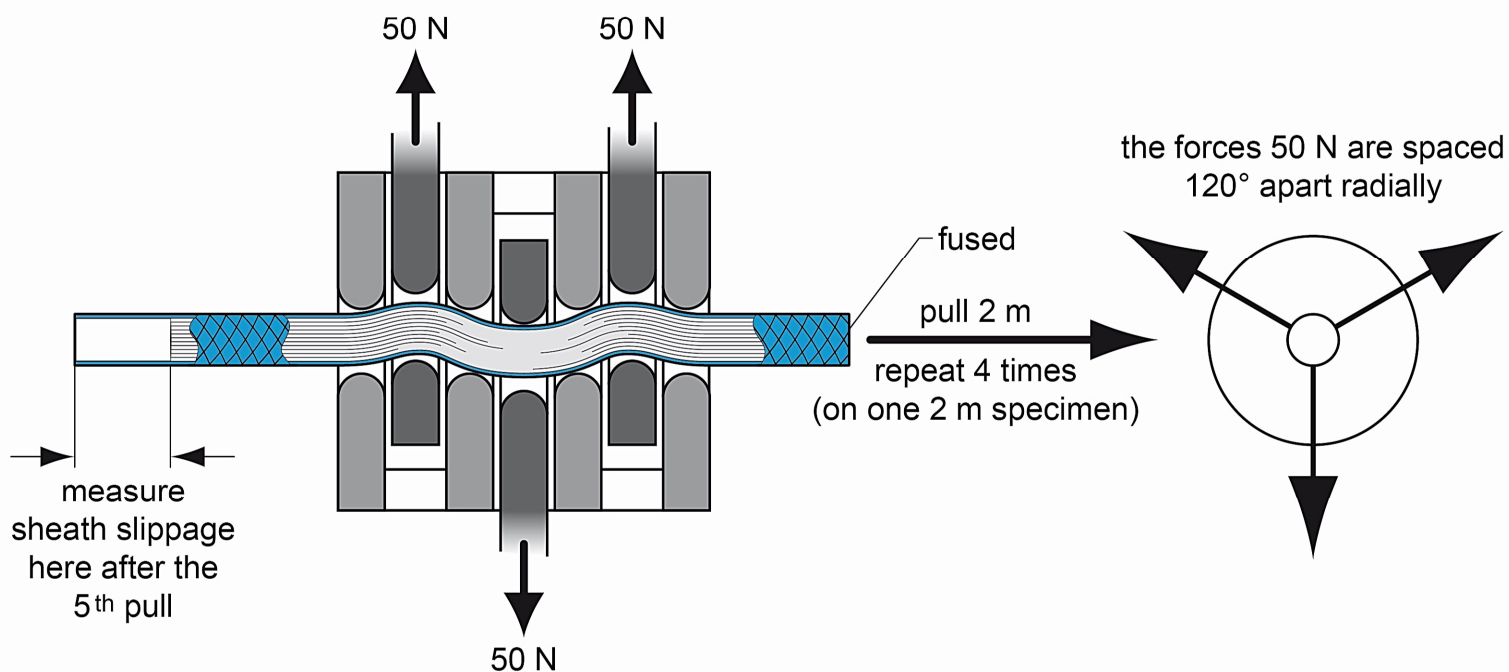
There are no constraints on rope diameter or mass per unit length, but both are measured by standard methods and given in the information for use.

## Static Elongation Test



## Sheath Slippage Test

Dynamic mountaineering ropes must consist of a sheath and a core.

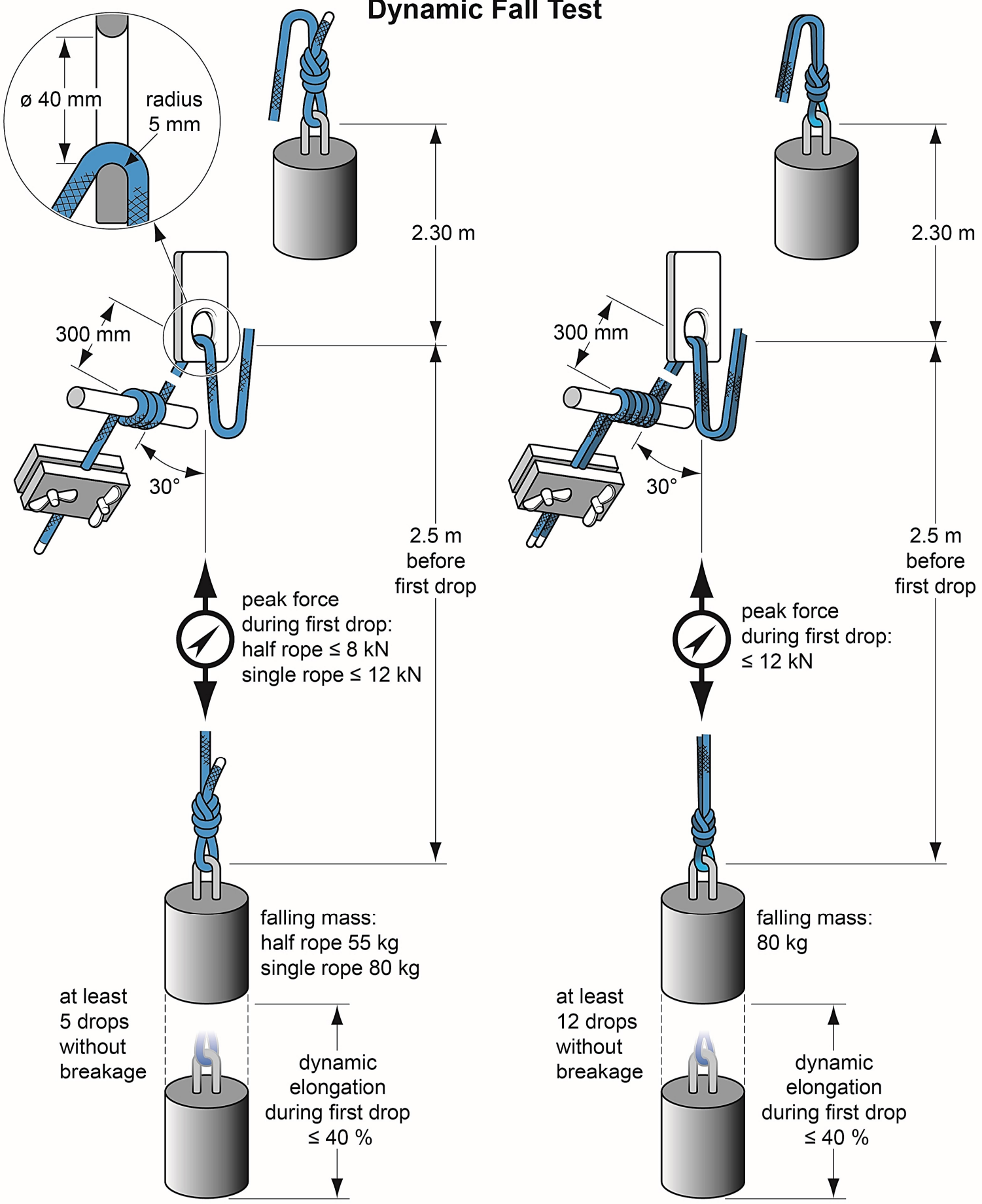


Test requirement: sheath slippage as measured  $\leq 20$ mm



This representation does not provide full details. Read the Note at the head of page 1.  
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### Dynamic Fall Test



Fall test: half rope / single rope

Fall test: twin rope



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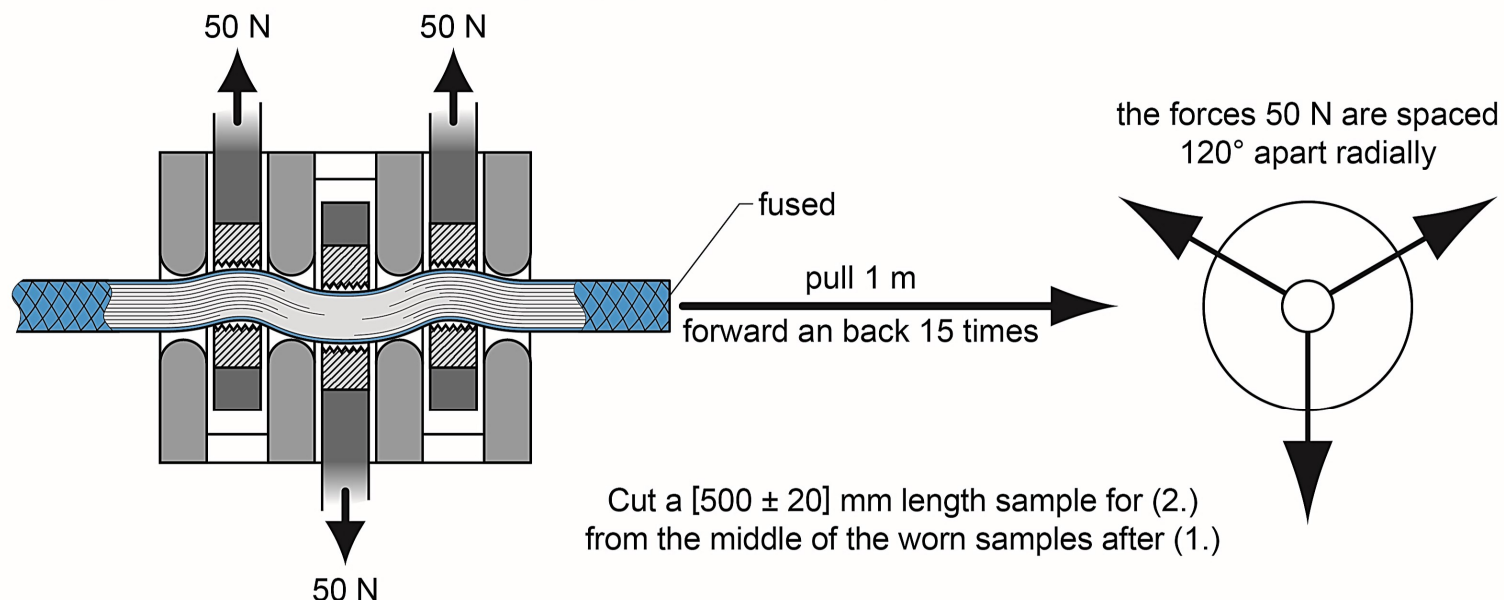
## Additional UIAA Requirements

- If the middle of the rope is marked, the mark shall be at  $\pm 1\%$  of the rope's published length from the physical middle of the rope.
- The minimum and maximum storage temperature shall be clearly specified in the information supplied by the manufacturer.
- In the information for use there shall be a warning to the effect that ropes may shrink during normal use.
- If dynamic rope is supplied on a drum and consists of more than one piece, the ends of the pieces shall be clearly visible and not joined together; the number of pieces shall be stated on the drum.

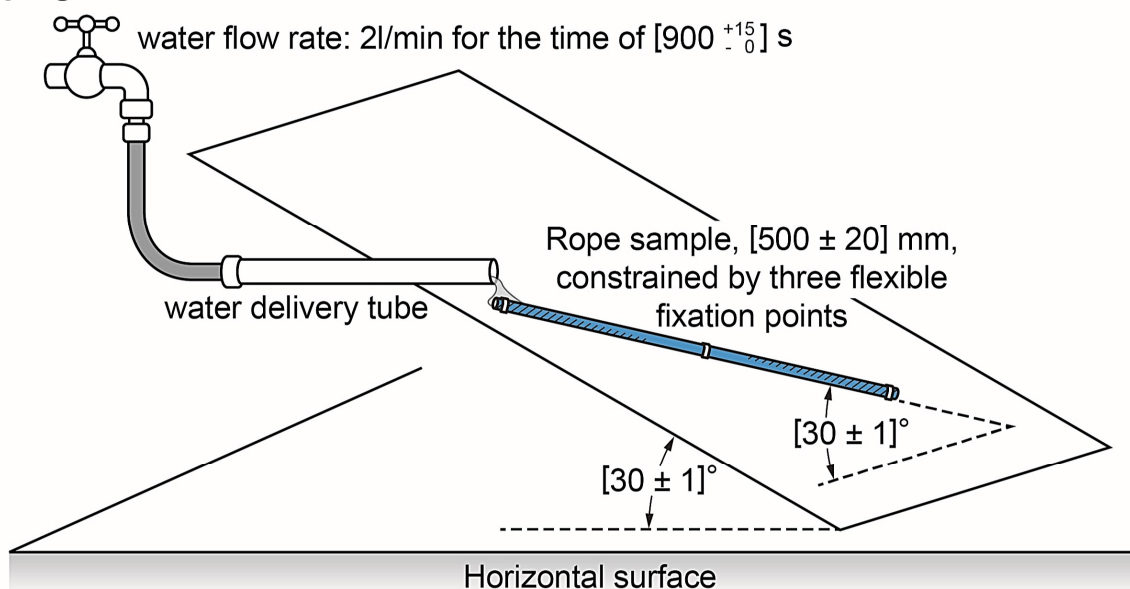
## UIAA Water Repellency Test

The manufacturer can claim it is a "Water repellent rope" if the average weight of the three test samples is no more than 5 % higher after than before the following test:

**1. Preparation** of the three test samples (rope surface wearing by nuts ):



## 2. Water Impregnation



## 3. Determination of Water Absorption

Drain and weigh the three test samples within 60 s after the water impregnation process