



Tensile strength test
Rope eye





Tensile strength test PAX Rope eye

Important detail: The roping eye

Sometimes a PAX bag has to be roped down, e.g. during a helicopter operation in very difficult-to-access-areas. Then for a moment your complete equipment is hanging on a tiny detail: the roping eye. Since we know how important tensile strength is, we have it have tested thoroughly.

The test was carried out with our standard model „Wasserkuppe“. First the roping eye has been exposed to a weight of 100 kgs for one hour. During the second test the roping eye also proved dynamic strength: The backpack was lifted under a weight-loading of 100 kgs and was roped down again after a short abidance in a 20 minute cycle.

The roping eye has passed both tests at first go and without problems.

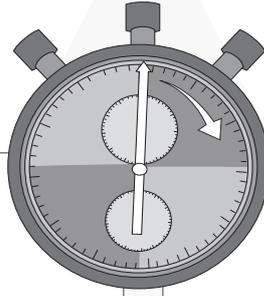
Position of the roping eye onto the backpack PAX Wasserkuppe





Testing sketch a

Testing sketch b



60 minutes

20 minutes

3 seconds

100 kgs

100 kgs

3 seconds

70 - 100 cm

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Test data

a) Static strength

Load: 100 kgs (981 N) Time: 60 minutes

b) Dynamic strength

Load: 100 kgs (981 N) Time - Cycle: 20 minutes

Lifting:

70 - 100 cm
speed 1m/s
Stop and abidance in position for 3 seconds

Roping down:

70 - 100 cm
speed 1m/s
Stop and abidance in position for 3 seconds

Expert's inspection report for tensile and tear strength of roping eye

Tested for customer:

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With the exemplary product:

PAX Wasserkuppe

Execution:

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