

## **Jester Comfort**

### **The first ever via ferrata harness with an integrated shock absorber**

**EDELRID is launching a new innovation in 2017: The Jester Comfort is the world's first via ferrata harness with an integrated shock absorber. What makes it so innovative? The integrated the energy absorber into the harness leg loops. The energy absorber meets the revised standard for via ferrata sets: EN 958: 2017. The Jester Comfort is designed specifically for and offers increased safety and comfort for via ferrate.**

#### **This harness is set to revolutionise via ferrata climbing.**

The Jester Comfort is a climbing harness and via ferrata set all-in-one. The shock absorber has been integrated into the harness's leg loops. Its design has the major advantage that it offers full freedom of movement and unparalleled comfort. By doing away with the need for an external shock absorber, the entire system is quasi 'self-enclosed' and far clearer and simpler for wearers to use. Thanks to the integrated shock absorber, it is also no longer necessary to attach an external set to a harness using a girth hitch knot – thereby eliminating the potential error of a set being attached incorrectly.

The Jester Comfort has comfortable padding. This can be moved on the waist belt to ensure that the central point is always centred and to ensure that the harness fits perfectly. In addition, there are two gear loops and an integrated swivel to prevent the elasticated arms from twisting.

**For immediate release**

The Jester Comfort comes with the newly-developed “OneTouch 2” via ferrata carabiner. This high performance via ferrata carabiner has a keylock closure system, an extra-large gate opening and an ergonomic design with palm squeeze mechanism to stop unintentional unclipping.



**MADE IN GERMANY**

**Product details Jester Comfort:**

- Weight: 1090 g
- Weight categories: 40 / 120 kg
- Certification: EN 958:2017
- Made in Germany



## **Background information regarding the revised standard for via ferrata sets: EN 958: 2017.**

### **EN 958: 2017 – the new standard for via ferrata sets**

The benefit of the integrated shock absorber is particularly clear with regard to the modified requirements of the standard. Via ferrata sets which meet the requirements of EN 958:2017 have a significantly larger energy absorber. However, these large shock absorbers can make the harness less comfortable when walking and restrict the freedom of movement when climbing via ferratas. With the Jester Comfort, the shock absorber is integrated into the leg loops so that is no external shock absorber to get in the way.

The reason for the increase in shock absorber size is the change to the fall weights when testing dynamic load capacity. In the revised version of EN 958, the dynamic load capacity is tested with two fall weights: 40 kg and 120 kg. The old version of the standard specifies a test weight of 80 kg and a maximum braking distance of 1.20 m with a maximum impact force of 6 kN.

The provisions in the new EN 958 standard stipulate the maximum impact force as 3.5 kN with 40 kg, and 6 kN with 120 kg – without exceeding a braking distance of 2.20 m. The higher weight extends the braking distance, and therefore the length of the shock absorber. These new requirements result in a far longer shock absorber and therefore a 'larger package' on the via ferrata set.

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## EN 958: 2017 - What's new?

The requirements established in the revised version of EN 958 with regard to strength and the tests are far more comprehensive than was the case with the previously valid specifications. In the previous version of EN 958, via ferrata sets were subjected to three tests; the new testing instructions require seven tests.

Testing	EN 985: 2017	EN 958:2011
<b>Test for dynamic performance</b>	Weight: 40 and 120 kg steel weight Fall height: 5 m Max. impact force: 3.5 kN at 40 kg 6 kN at 120 kg	Weight: 80 kg steel weight Fall height: 5 m Max. impact force: 6 kN
<b>Test for dynamic performance in wet conditions</b>	Weight: 120 kg Fall height: 5 m Max. braking distance: 2200 mm (2.20 m) Max. impact force: 8 kN	Not specified
<b>Static response force test</b>	>1.3 kN	>1.2 kN
<b>Test of the static strength of the entire system</b>	12 kN	9 kN
<b>Fatigue test on the elasticated arms</b>	Cycles: 50,000 Frequency: 0.5 Hz (30 loads per minute) Residual breaking strength: 12 kN (but max. 30% reduction from the starting value)	Not specified
<b>Test of the static strength of the non-elasticated arms</b>	15 kN	Not specified
<b>Testing the static strength of the rest loop</b>	12 kN	Not specified