

Technical reinforcement overview



Where *ultralight* meets strength.

100D Fabric with Dyneema® reinforced Ripstop and double PU coating. Ultralight: only 99g/m². Dyneema cord structure with Dacron reinforcement for high load strength and durability. **Zigzag Stitching** for load share distribution and comfort. **Nitinol Rods** with protected end caps and Hypalon reinforcement at the rod end seam.



Key Reinforcement Elements

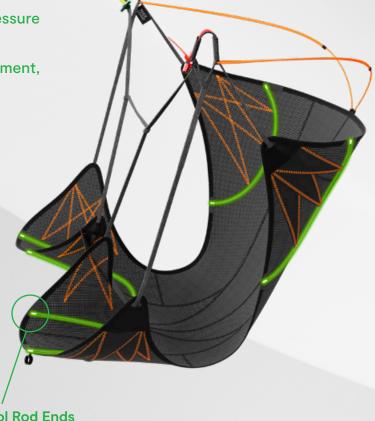
1. Reinforced Nitinol Rod Ends

Purpose: Maintain shape, improve stability and prevent wear on the fabric.

✓ Each Nitinol rod now includes a larger, more resistant protective end cap.

√ This prevents any risk of pressure concentration at the rod tip.

√ It ensures shape retention during movement, take-offs and packing.



x8 Reinforced Nitinol Rod Ends









Key Reinforcement Elements

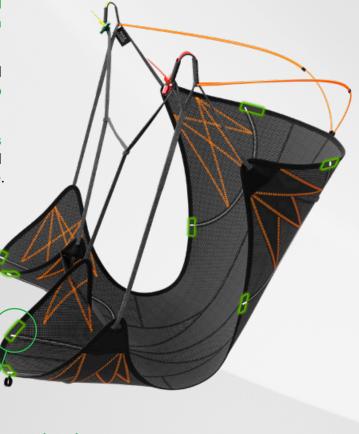
2. Hypalon reinforcement at the rod-end seam

Purpose: Provide a protective barrier at the rod termination point to prevent any risk of puncture or fabric damage.

√ The rod-end seam includes an additional Hypalon layer that reinforces the transition area where the Nitinol rod ends.

Hypalon offers high resistance to abrasion and concentrated pressure, preventing the rod tip from creating wear points.

This added layer ensures the fabric remains protected over time, even under repeated tension and structural stress during normal use.



x8 Hypalon reinforced at the road-end seam









Key Reinforcement Elements

3. Other structural strength features

100D Fabric

with Dyneema® reinforced Ripstop and double PU coating. Ultralight: only 99g/m².



Dyneema cord structure

with Dacron reinforcement for high load strength and durability.



Zigzag Stitching

for load share distribution and comfort.

