

# FallNot

**Description:** Belaying, rappelling and ascending device with fall prevention feature

**Intended Customer:** Climbers, cavers, canyoneers, arborists

**Market:** Climbing gear

Need	Attribute	Specification
Holding capacity	Static load capacity qualifies for UIAA certification	> 2 kN for 3 minutes
Prevent uncontrolled rappels	Dynamic load capacity qualifies for UIAA certification	< 1.5 m slippage in 60 s after 80 kg mass dropped from 1 m above device
Easy to carry	Size	< 12 cm x 12 cm x 4 cm
	Weight	< 500 grams
Self-rescue option at rope end	Dangling rope length from end of device after emergency stop	> 15 cm
Can handle difficult conditions (wet, frozen or dirty ropes)	Consistent holding and braking capacity	Maintain requirements for UIAA certification
Does not damage rope	Shear force of teeth on rope sheath	< 4 kN on teeth contact area
Intuitive rope loading pathway	Rope loading time	< 7 seconds
Can be inserted mid-climb	Feed mechanism	Device uses a loop of rope