

On Belay

The OnBelay is an air-over-hydraulic auto belay device that eliminates the need of a belayer when climbing. This device automatically retracts the cable rope when the climber ascends, and controls the speed when they descend or slip off the wall. It also includes a monitor that displays the status of the system at all times.

OnBelay is the only European hydraulic auto-belay device. Its braking system is the same as the one used to stop military aircrafts as they land on Aircraft carriers, implemented in their arresting engines.

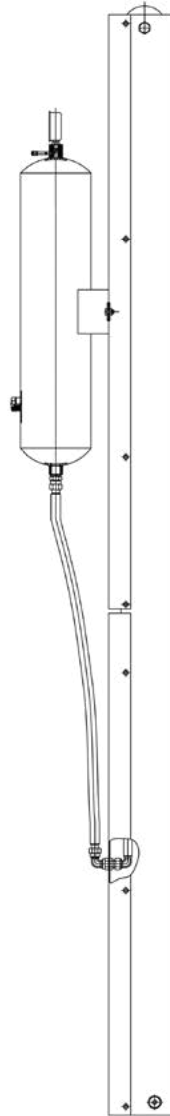
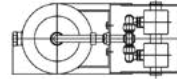
Furthermore, our OnBelay has one-of-a-kind Self-Adjusting Speed Limiting Valves that descend users safely at a consistent speed of 1m/s, regardless of the elements, temperature or their body weight.

Benefits

- Reduces the needed staff and operational costs
- Minimizes the risk of injuries caused by human error
- Attracts more solo climbers and beginners
- Promotes more solo climbing sessions in mornings and lunchbreaks
- Increases throughput by reducing time for a climb compared to manual belaying

Features:

- CE certified
- Low maintenance cost – the only component that needs replacement is the steel cable
- Redundant in the event of:
 - Loss of pressure in the tank – sound and light alarm system option
 - Loss of up to 50% of the hydraulic fluid
 - Malfunction of one of the hydraulic cylinders
- Minimum downtime – maintenance is done on the spot with no need for shipment of the OnBelay for re-certification



TECH SPECS	OnBelay08	OnBelay11	OnBelay14	OnBelay17
Device weight	60 kg (132 lb)	75 kg (165 lb)	100 kg (220 lb)	100 kg (220 lb)
Stroke	7.5 m (24'7")	10.5 m (34'5")	13.5 m (44'3")	16.5 (54'1")
Max. wall height	8 m (26 ft)	11 m (36 ft)	14 m (46 ft)	17 m (55'9")
Descent speed	Aprox. 1.00 m/s (3'3"/s)			
Max. retract speed	Aprox. 1.50 m/s (5'/s)			
Brake	Air-over-hydraulic system with 2 pistons and orifice check valve			
Type of cable	Steel cable DIN3069			
Diameter of cable	6 mm (1/4")			
Safe load	1 person			
Min. climber weight	25 kg (55 lb)			
Max. climber weight	125 kg (275 lb)			



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