



Limpet™ Technical Specification

Introducing Limpet™, the world's first multi-functional height safety system.

Incorporating fall prevention, Intelligent Climb Assist™, rescue, evacuation and work positioning all in one integrated system, the Limpet™ redefines height safety by providing the simplest, safest and most comprehensive method of ascending and descending high structures.



Dimensions	337 x 496 x 625mm
Weight of unit	Circa 85kg in normal configuration
Safety line materials	High tech Technora® sheathed Dyneema® paraaramid fibre rope (MBL 29.4kN). Thermal decomposition of Technora® occurs at temperatures > 550°C.
Safety line capacity	130m
Unit materials	Corrosion resistant, engineered for marine environment
Power requirements	230 - 240V, 50Hz single phase, 16A current rating. Integrated UPS backup
Operating temperature	-30 °C to +50 °C
Control	Cabled and wireless remote controls
User weights (min-max)	40kg (88 pounds) to 140kg (308 pounds)
Main features	<p>Proactive Fall Prevention (negligible vertical displacement in event of fall)</p> <p>Intelligent Climb Assistance™ (ICA™) up to 90% of user's weight</p> <p>Rapid Remote Rescue</p> <p>Clip & Go Evacuation</p> <p>Precise Work Positioning</p> <p>Automatic function</p> <p>Manual Override</p> <p>Fails to Safe</p> <p>In cable messaging system ICMS (pat. pending)</p> <p>Integrated UPS back-up power supply</p> <p>Remote monitoring</p> <p>Integral system monitoring and event log</p>
Integrated safety factor	Static load safety factor of 15 x maximum user weight
Descent speed	0.5m/s to 0.9m/s (Average evacuation speed: 120m in 3 minutes)
Mounting	Multiple mounting options

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Company registered in Scotland No. SC 357375

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Certification	CE marked under the Machinery Directive 2006/42/EC CE marked under the PPE Directive 89/686/EEC EMC Directive 89/336/EEC Software IEC 61508-3 and ISO 13849-1
Conforming test standards	Limpet Test Standard 001:2009 Normative references: EN362, EN364, EN9227 EN17025 Compliant standards: EN360, EN341, EN353-1,EN1496,
PPE test highlights	'Real Life' testing to HSE '08 and in hooped/backscratcher ladders 10km continuous descent test with 140kg test weight 22kN static load test Dynamic ultimate strength test – 140kg test weight and 0.6m drop Arrest forces negligible in EN 364 type dynamic fall tests Deceleration negligible in EN 364 type dynamic fall tests Negligible vertical displacement in dynamic fall tests Test machines remain serviceable after static load, ultimate strength and condition testing
IP rating	IP56
Service interval	Subject to annual maintenance service and specific periodic checks as appropriate for application (LOLER, PUWER)

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