

**Limpet® L2 Technical Specification**

Introducing the Limpet® L2: the world's first combined fall prevention and ladder climb assist system to use Limpet's advanced catch technology, 90% Intelligent Climb Assist™, buttonless operation with activity and climb history recorder.

Incorporating Proactive Fall Prevention and Intelligent Climb Assist™ in one integrated system; the Limpet® L2 redefines, simplifies and answers the question of working compatibility between fall arrest and climb assist devices, helping OEMs, owners and operators by providing the simplest, safest and most reliable method of accessing and descending turbine towers.



Dimensions	658 x 470 x 403mm (L x W x H), 700 x 470 x 407mm (L x W x H) with optional mounting rails
Weight of Unit	54kg in normal configuration
Safety Line Materials	Dyneema® core with option of either para-aramid sheath (very good thermal resistance, MBL 29.4kN), or polyester sheath (very good UV resistance, MBL 23.9kN).
Safety Line Capacity	130m
Power Requirements	220 – 240V AC, 16A, 50/60Hz single phase. Configurable UPS backup.
Operating temperature	-40 to +54 °C (as per requirements of ANSI Z359.14)
Control	Robust wireless remote control
User weights (min – max)	40kg – 140kg
Main features	Proactive Fall Prevention (negligible vertical displacement in event of fall) Intelligent Climb Assist™, up to 90% of user's weight Automatic function – Intuitive buttonless start mode Continuously and autonomously adapts to climber's speed, real time Fails to Safe Integral black box governing system for system monitoring and climbing log
Integrated safety factor	Static load safety factor of 15x maximum user weight
Maximum Speed	1.1m/s
Mounting	Multiple mounting options
Number of Users	Multiple users when integrated with Limpet's Line Return System
Certification	CE marked under the Machinery Directive 2006/42/EC CE marked under the PPE Directive 89/686/EEC EMC Directive 2004/108/EC Meets requirements of FCC part 15 Software IEC 61508-3 & ISO 13849-1 Limpet Test Standard 002:2014, which includes requirements from following standards: ANSI Z359.14, EN354, EN365
PPE Test Highlights	22kN Static Load Test Dynamic Ultimate Strength Test – 138kg test weight and 1.2m drop Arrest forces negligible in dynamic performance tests Deceleration negligible in dynamic performance tests Negligible vertical displacement in dynamic fall tests
Ingress Protection rating	IP24
Service interval	Subject to annual maintenance service or every 60,000 drum revolutions, whichever is the sooner.

All specifications are subject to change without prior notice.