

**Limpet® E5 Technical Specification**

Introducing the Limpet® E5: the world's first entertainment specific multifunctional height safety system.

Incorporating Proactive Fall Prevention, Reactive Climb Assist, Rapid Remote Rescue, Clip & Go Evacuation and Precise Work Positioning all in one integrated system; the Limpet® E5 can take safety procedures and practice to the next level in entertainment tours and venues.



Dimensions	26" x 20" x 16" (L x W x H), 27.5" x 20" x 16" (L x W x H) with optional mounting rails as shown
Weight of Unit	139lb in normal configuration
Safety Line Materials	Dyneema® core with option of para-aramid sheath (very good thermal resistance, MBL 6609lb), or polyester sheath (very good UV resistance, MBL 5373lb).
Safety Line Capacity	425ft
Unit Materials	Corrosion resistant, engineered for outdoor environment
Power Requirements	220 - 240V AC, 16A, 50/60Hz single phase with configurable UPS backup, or 208-240V AC 20A 50/60Hz 3 phase.
Operating temperature	-40 °F to +130 °F (as per requirements of ANSI Z359.14)
Control	Rugged cabled & wireless remote controls using industry standard interconnection.
User weights (min - max)	88lb - 308lb
Main features	Proactive Fall Prevention (negligible vertical displacement allowed in event of fall) Reactive Climb Assist, up to 90% of user's weight Rapid Remote Rescue Clip & Go Evacuation Precise Work Positioning Automatic function Manual Override Fails to Safe In cable messaging system ICMS (pat. pending) Configurable UPS back-up power supply Integral system monitoring and event log
Integrated safety factor	Static load safety factor of 15x maximum user weight
Hoist Speed	1ft/s (300lb) - 1.6ft/s (200lb)
Descent speed	1.6 - 3ft/s (Evacuation speed: 400ft in 3 minutes)
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 Software IEC 61508-3 & ISO 13849-1 Meets requirements of ANSI Z359.14, FCC part 15 All electrical components UL Listed
Test Standards	Limpet Test Standard 001:2009, which includes requirements from following standards: ANSI Z359, CSA Z259.2.2, EN360, EN341, EN353-1, EN364, EN1496 and others
PPE Test Highlights	Fully compliant with HSE '08 Type Test 6.2 mile continuous descent test with 308lb test weight 5000lb Static Load Test Dynamic Ultimate Strength Test - 300lb test weight and 4ft drop Arrest forces negligible in dynamic performance tests Deceleration negligible in dynamic performance tests Negligible vertical displacement in dynamic fall tests Test machines remain serviceable after static load, ultimate strength and condition testing
Ingress Protection rating	IP54 (equivalent to NEMA 3S)
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.

**Limpet Technology Ltd, 5/2 Mitchell Street, Edinburgh EH6 7BD**

Tel: +44 (0)131 551 2727

e-mail: [info@limpettechnology.com](mailto:info@limpettechnology.com)

web: [www.limpettechnology.com](http://www.limpettechnology.com)