

Limpet® M5 Technical Specification

Introducing the Limpet® M5: the world's first offshore multifunctional height safety system.

Incorporating Proactive Fall Prevention, Intelligent Climb Assist™, Rapid Remote Rescue, Clip & Go Evacuation and Precise Work Positioning all in one integrated system; the Limpet® M5 brings total height safety to the marine environment, combining rugged offshore durability with active motion technology to give the safest method of access, egress and rescue to and from offshore structures.



Dimensions	658 x 506 x 403mm (L x W x H), 700 x 506 x 407mm (L x W x H) with optional mounting rails as shown
Weight of Unit	63kg 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
Unit Materials	Corrosion resistant, engineered for marine environment. Environmentally tested to withstand 1000 hours of salt mist spray exposure.
Power Requirements	220 – 240V AC, 16A, 50/60Hz single phase. Configurable UPS backup.
Operating temperature	-40 °C to +54 °C (as per requirements of ANSI Z359.14)
Control	Cabled & wireless remote controls
User weights (min – max)	40kg – 140kg
Main features	Proactive Fall Prevention (negligible vertical displacement allowed in event of fall) Intelligent 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	0.3m/s (140kg) – 0.5m/s (90kg)
Descent speed	0.5 – 0.9m/s (Evacuation speed: 120m 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 GL Type-Approval under Ref.-No.:14-032294
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 10km continuous descent test with 140kg test weight 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 Test machines remain serviceable after static load, ultimate strength and environmental conditioning testing including 1000 hours of salt mist spray testing
Ingress Protection rating	IP56
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.

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