

## MARK II COMMANDO

Long Haul Folding Kayaks has provided paddlers for over a decade with reputable, quality workmanship in the form of open water folding kayaks. Our most recent pioneering design is the MKII Commando folding kayak. The MKII Commando folding kayak is currently used by US Special Forces. This unique folding kayak is hand crafted using a proven blend of superior materials, innovation and rugged construction features from design to delivery. The MKII Commando folding kayak offers 900 lbs. payload at 96 lb. gross weight, an overall length of 17ft. and beam width of 34in. Rugged marine grade white birch laminate, hardwood ash and stainless steel fittings provide superior integral support to the kayak's hull. The hull design is a combinational technique of hypalon rubber, polyester fabric and Seamark or Cotton deck materials. The quattro-sponson system provides a consistent 8in. draft when fully loaded. Transport or storage of the kayak is fitted into three portable bags requiring less than 10cu.ft.

The MKII Commando folding kayak is distinguished from other competitors through its simple yet versatile design. Application of the MKII Commando folding kayak stands above other kayaks in crewing, maintenance-sustainment and operability. The MKII Commando folding kayak offers effective and efficient solutions beyond the "blue and brown" water littorals.

Crewing is accelerated through simplistic design features such as a raised-dot marking system for assembly and disassembly during hours of limited visibility, this feature enables complete boat assembly within 20 minutes. Navigation is conducted using current sailing techniques with an integral blend of hand-held compass, nautical chart and global positioning system (GPS). Mobility is provided through an ergonomic arrangement of adjustable-modular fiberglass paddles, rudder control and seat positioning system. Additional options include the use of a sail, kite or electric outboard motor. Planning speeds of 1.5-2.5 knots are typical using standard combat loads. Crew comfort and safety is consistent with the use of a tuck-under spraycover, skirts, lifelines, tie-downs and abrasion resistant hull. Crew skills such as maneuvering, righting, surf passage, movement formations, rafting, portaging, caching and aerial or mothership delivery preparation are essential in affording maximum use of the MKII Commando folding kayak.

Maintenance and sustainment costs are minimized through the implementation of aggressive pre-post operator checks and quarterly maintenance scheduling. Long-term savings are indicative of a consistent and reliable preventative maintenance program applied from the operator to technician level. Installation and maintenance is facilitated through the Operator & Maintenance (O&M) manual and video tape. Recognizable returns on investment are due to the robust design features which eliminate typical mean failure points noted in similar open water kayaks. Affordable replacement parts, service costs and technical hotline support allow for long-term sustainment. Selective materials used in construction allow the operator to perform field expedient repairs even while underway. Provided with each MKII Commando folding kayak is a field repair kit containing necessary patch materials and adhesives. Advanced repairs such as hull, structural or ancillary equipment reconditioning or reconfiguration are conducted by a factory trained technician. Service life of the MKII Commando folding kayak may easily exceed fifteen years through a properly executed planned maintenance system.

Operability is demonstrated through its low visual, thermal, acoustic and infra-red signatures using applied techniques and procedures. The MKII Commando folding kayak is as stealthful in application as the most modern fighter aircraft or vessel. Due to its compact and light-weight design, the MKII Commando folding kayak is permitted maximum integration into multiple joint level delivery platforms. The range of operations is inclusive of inland waterways to deep ocean waters through sea state condition 5. The ability to employ high skilled special operations forces is reliant upon the coordinated use of covert, overt and clandestine means. Such operations are supportable by the MKII Commando folding kayak. Whether conducting direct action operations or battlespace preparation the MKII Commando folding kayak offers a timely solution to potentially complex and sensitive situations. In short, the MKII Commando folding kayak is significantly more capable of supporting the unique needs of the joint special operations community than its competitors.

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