

Hand Function Programme

Part of the Development service area of EA, an award-winning design team focusing on inclusive adventure and sports equipment. Our in-depth research combined with worldwide expeditions and field trials of single-user pilot projects form the foundation for 'barrier free' industrial design solutions.

This people-centred approach ensures that disabled athletes and coaches are meaningfully involved throughout the design and development process.

Description

EAD's Hand Function programme develops equipment and resources for athletes with limited hand function or upper limb amputations.

We create products that complement conventional hand-held sports equipment such as paddles and rackets.

Products

- Fist III - Grip for sport and everyday tasks
- Slip - Single arm paddling device.

Fist III



Slip





Fist III

Grip for sport and everyday tasks

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Product description

The Fist provides lightweight, adjustable, comfortable, active grip for people with limited hand function. The Fist makes it possible to grasp a paddle, racket or other handle.

Uses

- Water-based activities involving single-bladed paddles
- Suitable for racket sports and daily living e.g. gardening.

Features

- Stretchy neoprene wrist wrap for protection in sensitive areas
- Locating darts and holes to aid fitting
- Release tab with stretchy attachment strap
- Colour-coded tabs to indicate left and right hand
- Adjustable to individual hand shape and requirements
- The Fist III is retained by the user in a 'swim' situation, allowing rapid release and reattachment of paddle
- Detachable and adjustable thumb loop.

Low-tech construction



Left and right hand versions



Fist III in use



Retained on wrist if released





The Slip

Single arm paddling device

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Product description

The Slip is a carbon-fibre moulding with padded arm rest that holds the forearm using a quick-release lacing system. The unit is attached to a conventional paddle.

Uses

- Independent use for paddlers with the use of only one arm
- Flat-water open canoeing and kayaking.

Features

- Padded arm rest
- Ergonomic design provides individual adjustment and encourages neutral wrist posture
- Non-captive, quick-release system
- Non-destructive, rapid attachment to conventional paddles
- Facilitates static and dynamic adaptive paddle strokes
- Allows sliced recovery strokes
- Adjustable arm length and paddle angle
- Additional options for advanced paddlers
- Use left or right-handed.

Notes: Colours may vary

Quick release



Padded arm rest



Paddle attachment and adjustment



Left or right-handed

