EQUIPMENT

Below are descriptions of sailing craft suitable for novices and people with disabilities

ACCESS 2.3 SINGLE AND WIDE

The Access 2.3 with its comfortable seat, joystick steering, single rope control and amazing manoeuvrability has to be easiest boat in the world to sail. Add to that the wide side decks, ballasted centreboard and reefable sail and it also has to be one of the safest. What makes this little boat so unique is the confidence and sense of security it gives even the new sailor. As it can also be fitted with Servo Assist electric controls it allows even those with a severe physical disability to also experience the joys of freedom on the water.

Specifications

Length	2.3 m
Beam	1.25 m
Draft	0.75 m
Weight	52 kg (Keel is 20 kg) (Servo Assist keel is 30 kg)
Sail Plan	Cat Rig
Sail Area	3.8 sq m (Reefs to 0.5 sq.mtr)
Mast	Unstayed 4.2 m
Seating	Single hammock Seat
Steering	Manual joystick (Optional Servo Assist)
Capacity	100 kg *

ACCESS 303 SINGLE AND WIDE

The 303S is designed for single-handed sailing. Its wide side decks allow the boat to be heeled to extremes without shipping water, and the twin rudders maintain full directional control at even the most acute angles of heel. This exciting sports boat is fitted with a roller reefable mainsail and a fully roller reefable self tacking jib. This arrangement allows the boat to be set up to sail in a broad range of wind conditions and by people with a wide range of sailing abilities. The single seat cockpit is, because of the wide side decks, narrower than the Access 303 Wide and gives much more side support to those sailors who need it. The boat can also be fitted with Servo Assist electric controls for those sailors with very limited mobility.

The Access 303 Wide will balance perfectly when sailed single-handed, yet also balance when sailed by two full sized adults. The end result is an inexpensive, very versatile, exciting, yet very relaxing and comfortable boat to sail.

Specifications

Length	303 m
Beam	1.35 m
Sail Plan	Mainsail & free standing, self tacking Jib
Sail Area	Total area - 5.8 sq m
	Main - 4.4sq m (Reefable to 0.5)
	Jib - 1.4 sq m (full roller reefing)
Mast	Main - Unstayed 4.75 m
	Jib - Unstayed 2.85 m
Seating	Hammock seat

Steering	Manual joystick
Capacity	160 kg

ACCESS BREEZE

The Breeze is a great family boat and gives novice sailors instant access to the water as it is nearly impossible to capsize. Carrying two, seated side by side, the Breeze is an inexpensive family fun boat which can be sailed by the whole family, from young children, through to their grandparents. Children, 6 - 10 years old find the stability and ease of sailing an Access Breeze irresistible.

Specifications

Length	2.4
Beam	1.25 m
Sail Plan	Catrig
Sail Area	3.8 m2
Mast	Unstayed 4.2m
Seating	Comfy self-draining seat
Steering	Manual joystick

ACCESS LIBERTY

Twenty percent longer than the 303 but the same width makes the Liberty a very fast and high pointing sailing dinghy. With similar deck and self tacking rig characteristics as the 303 Single and the option of Servo Assist controls, the Liberty is indeed a totally accessible performance craft which anyone can sail, regardless of ability.
The high coamings and wide side decks keep the boat dry even at extreme angles of heel and the two high aspect rudder blades ensure directional stability. We do however recommend the "C" Crane and Keel Caddie for handling Liberty keels which weigh 70Kg.

Specifications

Length	3.6 m
Beam	1.35 m
Draft	1 m
Weight	88 kg (Keel is +75 kg)
Sail Plan	Mainsail & free standing, self tacking Jib
Sail Area	Total area - 7.35sq m
	Main-5.6sq m (Reefable to 0.5)
	Jib - 1.75sq m (full roller reefing)
Mast	Main - Unstayed 5 m
	Jib - Unstayed 3.15 m
Seating	Single hammock seat
Steering	Manual joystick. Optional - Servo Assist
Capacity	120 kg + 30 kg luggage

SKUD18

The SKUD 18 is a lead-assisted skiff. With a tube-launched asymmetrical spinnaker and a modern high performance stayed rig, the boat is an exciting addition to World and Paralympic Competition. Able-bodied and disabled athletes alike will enjoy this platform -

and more severely disabled sailors will welcome the ability to compete on an equitable level. Selected in 2005 as the boat for two-person Paralympic competition in Beijing, the SKUD18 is a strict one design class. Sailors are seated on the centerline for Paralympic events, but the boat can be sailed with or without either of the seats and configured to suit different sailors' needs.

Length	5.8 m (overall)
	5.5m (waterline)
Beam	2.29 m
Draft	1.73 m
Weight	165 kg (Keel +165 kg)
Main	10.5 m2
Jib	5.0 m2
Spinnaker	19.2 m2
Mast above deck	6.83 m

INTERNATIONAL 2.4Mr

The 2.4mR is a single-person, deep-displacement sloop of Scandinavian origin. A development class, the 2.4mR is built to a formula that resolves to 2.4 metres under the international metre rule. There are numerous versions of the 2.4mR with the Norlin Mark III the most competitive and numerous.
Control lines for the sophisticated sail-plan are led into the deep cockpit where the skipper reclines facing fore-aft, with most of the body below the waterline and just the head protruding above the deck. The boat is steered by moving a joy-stick located in front of the skipper, with handles attached to rods on either side of the cockpit, or via foot pedals.
165kg of lead in the keel ensures stability, high flotation standards guarantee buoyancy, and an on-board pump deals with water intake which is often considerable. The fixed keel of the 2.4 requires the use of a hardstand and crane. The 2.4mR was the single-handed craft for the 2000 Paralympics.

Specifications - Norlin Mark III

Length	(overall) 4.182m
	(waterline) 2.978m
Beam	0.720m
Draft	1.000m
Displacement	255kg
Sail area (rated)	6.965m^2

SONAR

The Sonar is a 23' keelboat designed by Canadian naval architect Bruce Kirby (who also designed the Laser). The Sonar is a three to four person, one-design club racer or day sailer. Wide and heavily ballasted, the Sonar is very stable. The cockpit is large, uncluttered and is flanked on either side by wide (17") moulded seats which provide stability for disabled crew when the boat heels. The Sonar is fractionally rigged with a relatively large mainsail and a small jib. The Sonar was used in the demonstration sailing event in the 1996 Paralympics and the full medal sailing event in the 2000 Paralympics. It will be used in World disabled sailing championships and Paralympic regattas until at least the end of 2004. As the boat

cannot be built under license in Australia, Sonars must be imported. The prohibitive costs have restricted numbers to less than a handful.

Specifications - Sonar
Length Overall 7.01m
Length Waterline 6.07m
Draft 1.2m
Beam 2.39m
Displacement 952Kg
Ballast 408Kg
Sail area 33.22m^2

PAYNE 24 (SALVO)

The Payne 24 is a GRP-sheathed strip-planked sloop-rigged keelboat designed in Australia by David Payne for sailors with a disability. The Salvo project originated in 1997 when The Salvation Army's Oasis Youth Support Network applied for a grant to fund the construction of a boat for Sailability Australia. The Payne 24 can be raced by a crew of three. Alternately, up to seven people can enjoy the boat as a trainer or day-sailer. The small cabin contains a chemical toilet that enables disabled sailors to enjoy extended outings on the water. The large cockpit can accommodate a variety of specialised seating devices and provides room for assistants. To reduce headsail changes, the sail-plan features a large reefable main and a small jib. Stability is provided by a beam of maximum trailerable width and a deep efficient keel with a bulb at the tip. Moveable thwarts allow the crew to transfer easily from one side of the boat to the other.

Specifications

LOA	7.4m
LWL	6.85m
Beam	2.45m
Draft	1.5m
Displacement	1800kg
Sail area	28.1m^2

OTHER SAILING CRAFT

A range of unballasted dinghies and multihulls, along with ballasted day-sailers, trailer-sailers and keelboats, can be employed in Sailability operations. Boats such as Pacer and Sabre dinghies and J-24, Flying Fifteen and Yngling keelboats have been used very successfully in the past. It is a matter of assessing the abilities of the participants and ensuring the weather conditions, level of supervision and safety provisions are appropriate.

APPENDICES FOR SECTION 13

13.2Owners Manual 2.3
13.3Owners Manual 303
13.4Owners Manual Breeze
13.5Owners Manual Liberty
13.6Servo Assist Maintenance
13.7Servo Assist Operations Manual
13.8Ventilator Sailing Protocol
13.9C Crane Installation & Operation Manual
13.10 Dock Assembly Instructions
13.11 T Dock Assembly Instructions