



B.D.W.S.A. Tony Edge National Centre, Heron Lake, Wraysbury, Staines, Middlesex, TW19 6HW

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THE EDGE TRIPLE BAR

HISTORY: The Edge Triple Bar was designed by the late Tony Edge, founder of the B.D.W.S.A. and first used in 1980. It was made and sold only by the B.D.W.S.A.

CONSTRUCTION: Stainless steel centre section, aluminium outer sections and rope holders. It is essential that the ropes are attached as shown in the diagram. If the ropes stretch with use, they should be adjusted to the dimensions shown.

USE: An inboard tournament boat is preferred, however boats with outboard engines of more than 150 H.P. may be used. The pupil should be given a standard briefing and then made familiar with the working of the triple bar. The pupil uses the centre handle with two strong ski instructors on either side. The instructors put their inside arms under the pupils arms and their inside hands on the centre handle between the pupils hands. The bar can also be used with only two parts and one instructor. When a pupil has an arm disability, one section should be detached and replaced by the tube of a "Delger Sling". It is recommended that with all pupils, separation of the handles takes place as soon as the pupil is skiing reasonably so as to avoid dependence upon the stable support of the connected bar. Progress to using only one instructor and solo skiing should be encouraged as soon as possible. The ropes can become entangled and should be untwisted between ski lessons. To avoid bending the handles, instructors should only disconnect when they are pulling on the centre handle so that there is no tension on their own tow ropes.

ADVANTAGES: Pupils gain confidence from the close proximity of the instructors. Faults in skiing position can be corrected by the instructor either verbally or by touch. Progress to solo skiing is quicker than other methods such as a boom on the side of the boat. The pupil is kept away from the boat noise, wash and propeller which can make disabled pupils apprehensive. The Edge Triple Bar is effective with single leg or arm amputees, blind, deaf, and other disabilities who are able to walk.

DISADVANTAGES: Requires two strong instructors and a powerful boat.

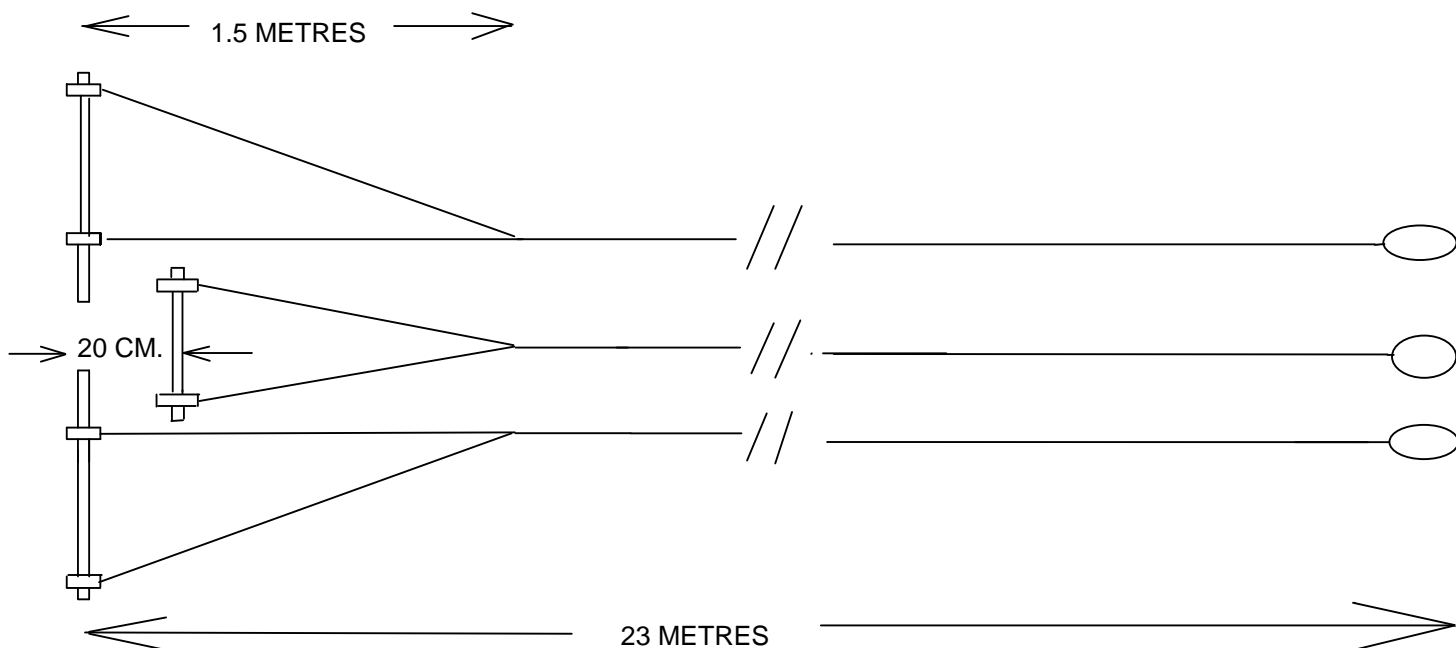
SAFETY: Attach the ropes to the boat with a robust quick release such as the type which might be used for show skiing or towing parachutes. It has been found that some disabled pupils do not release the handle when instructed.

DISCLAIMER: This equipment is experimental and not professionally constructed. There are no guarantees or warranties either expressed or implied. No responsibility is accepted for any injuries incurred during use of the equipment and instructors or pupils using the equipment must be told they do so entirely at their own risk.

EDGE TRIPLE BAR CONSTRUCTION DIMENSIONS DIAGRAMS

NOT TO SCALE

ROPE LAYOUT



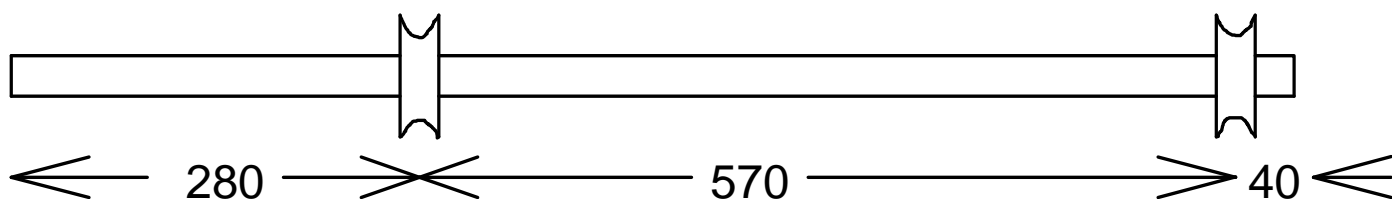
N.B. OUTSIDE ROPES 20 CM. LONGER AND OUTSIDE BRIDLES ASYMETRIC

METAL BAR DIMENSIONS IN MILLIMETRES

2 OUTSIDE BARS OF ALUMINIUM OUTSIDE DIAMETER 22mm. INSIDE DIAMETER 15mm.

4 FLOATS

2 FLOATS



INSIDE BAR OF STAINLESS STEEL OUTSIDE DIAM. 25mm INSIDE DIAM. 23MM

4 FLOATS

4 FLOATS

