

## **ISAF APPROVED SERIES PRODUCTION BOARDS**

### **MEASUREMENT OF BOARD STIFFNESS**

The Board Registration Form refers to the 'stiffness' of the board measured in accordance with the ISAF measurement procedure. This procedure is as follows:

1. The board should be supported on the underside at two sections 10% of the board length (l) from each end of the board.
2. The deflection (d) of the board shall be measured on the under body of the board on the centreline at the **mid-section** with 40kg of weight placed on the upper surface of the board with its centre of gravity immediately above the measurement point.
3. The 'stiffness' of the board shall be determined from the equation:

$$\text{Stiffness} = \frac{d}{l} \times 1000 \quad (\text{d and l in mm})$$

to one point of decimal (ie 1.6).

#### **Notes**

- (i) Typical deflection on boards tested to date are 5mm to 8mm. A 10mm dial gauge calibrated to divisions of 0.01mm is suitable for this range.
  - (ii) The two supports should be constructed of aluminium or other metal.
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