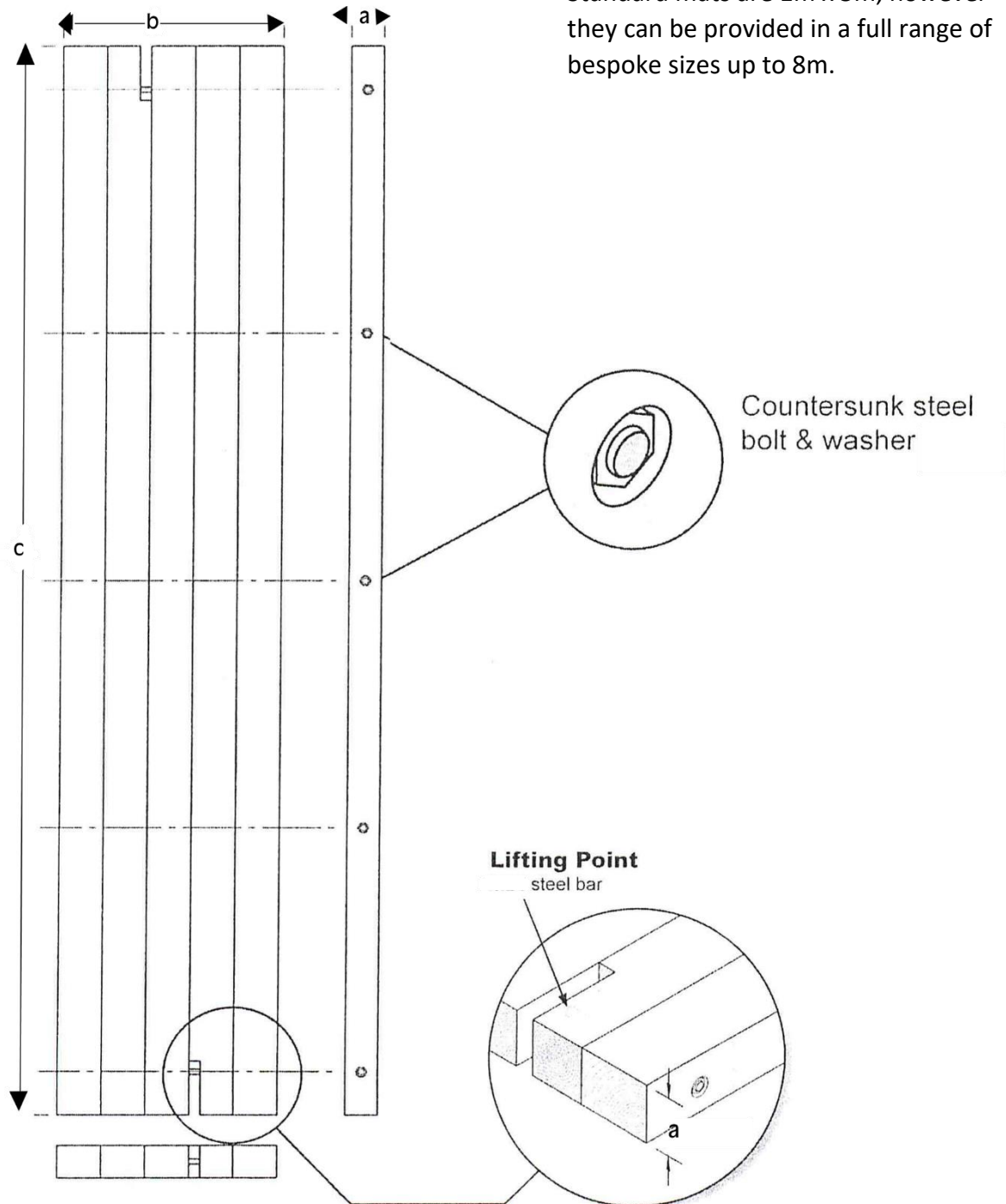


## European and Tropical Hardwood Mats

Timber mats are constructed in either oak or tropical hardwoods.

Standard mats are 1m x 5m, however they can be provided in a full range of bespoke sizes up to 8m.



### **BOG MAT SIZES**

| Thickness<br>(a) | Standard Sizes |            | General Use                                      | Approx Load<br>Bearing<br>Weight |
|------------------|----------------|------------|--------------------------------------------------|----------------------------------|
|                  | Width (b)      | Length (c) |                                                  |                                  |
| 70mm             | 1m             | 3m/5m      | Light construction equipment.                    | 20-30T                           |
| 100mm            | 1m             | 3m/5m      | Standard construction equipment                  | 45-55T                           |
| 150mm            | 1m             | 3m/5m/6m   | Medium cranes, heavy machinery and large trucks. | 60-70T                           |
| 200mm            | 1m             | 3m/5m/6m+  | Heavy cranes, and caterpillar machinery          | 70-80T                           |
| 300mm            | 1m/1.2m        | 5m/6m+     | Heavy cranes and caterpillar machinery           | 80-120T                          |

### **BOG MATS – TECHNICAL SPECIFICATIONS**

#### *Commonly used timber species*

| Wood name    | Volume mass (kg/m <sup>3</sup> ) | Elasticity module (N/mm <sup>2</sup> ) | Flexibility strength (N/mm <sup>2</sup> ) | Pressure strength (N/mm <sup>2</sup> ) | Slide strength (N/mm <sup>2</sup> ) | Durability class |
|--------------|----------------------------------|----------------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------|------------------|
| Beech        | 688                              | 12,300                                 | 113                                       | 54                                     | 10                                  | 5                |
| Oak          | 688                              | 9,900                                  | 95                                        | 48                                     | 11.5                                | 2                |
| Ekki (Azobe) | 1060                             | 17,000                                 | 180                                       | 95                                     | 14                                  | 1                |

*Specifications and weights are an estimate and should be used as a guideline only. The choice of mat will depend on purpose, type and weight of machinery, and ground conditions.*