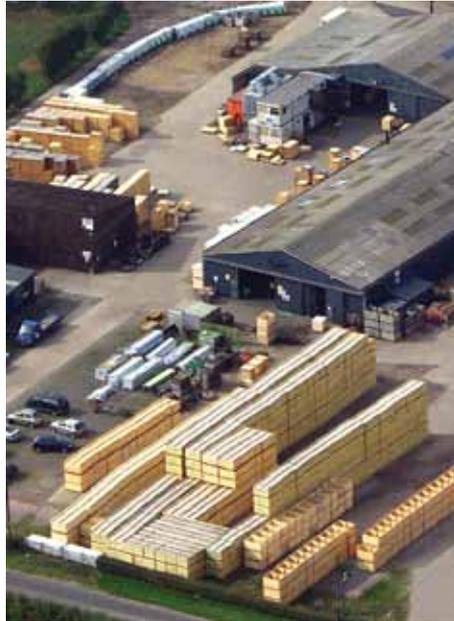


Vegetable boxes

HK Timbers is the largest potato and vegetable box manufacturer in the UK.

Our boxes are manufactured using predominantly imported, slow grown, kiln dried timbers which have been proven to give a stronger, longer lasting box. Our customers benefit from our wealth of technical experience gained from over 40 years of design, production and supply.



ADDITIONAL SERVICES

Stencils

Numbering

Colour-Coding

Bar Code Facility

Plastic ID Strips

Repair Boards



OUR STANDARDS

- Imported kiln dried timber
- Proven durability
- Quality materials
- Stack up to 8 high
- Built to BS7611
- Bespoke manufacture
- Stock held on site
- We supply nationwide

QUALITY PRODUCTS

The highest quality materials are selected for their strength and long life-expectancy giving our customers greater value for money.

HK Timber boxes exceed the market expectation for longevity and safety. We offer an extremely professional service resulting in a large repeat customer base.

Please see overleaf for different size specifications or for further information, visit our website: www.hktimbers.com



HK TIMBERS

Manufacturers of High Quality Timber Products

HK Timbers Ltd | Laughton Lane | Morton | Gainsborough | Lincolnshire | DN21 3ET
T. 01427 611311 | F. 01427 810744 | E. sales@hktimbers.com | www.hktimbers.com

Vegetable box specification

The most common design alternatives of our main Vegetable Box product are outlined below - follow our steps to buying a box. We can of course manufacture to your exact specification if required.

Size **Code B** Dimensions:
Side 1830mm End 1195mm
72" 47"



Size **Code D** Dimensions:
Side 1525mm End 1195mm
60" 47"



Step 1: SIZE DIMENSIONS

Although BS 7611 outlines six size codes we predominantly manufacture the more common size codes B and D.

Code B

Maximum overall height 1070mm & maximum internal depth 945mm. It is possible to manufacture a box within these parameters which will hold a nominal 1.15 tonnes of potatoes.

Code D

Maximum overall height 1220mm & maximum internal depth 1095mm. It is possible to manufacture a box within these parameters which will hold a nominal 1.1 tonnes of potatoes.

Step 2: CONNECTOR PLATES or DIAGONAL BRACING

Connector Plates:

BS7611 introduced higher strength requirements for potato boxes. In order to produce a box which conformed to Class 8 of the standard, yet have a clear internal finish with no trapping points during tipping, HK developed a design incorporating toothed metal plates. These are mechanically pressed into the boards of the side panel, literally binding the individual boards together. They sit between the side boards and the vertical battens and therefore do not come into contact with the crop also ensuring that replacing boards is simple. Boxes made with plates on the outside of the box prove very difficult to repair.

The use of connector plates considerably reduces racking movement in the box, and tests have proven this method to be stronger than the more conventional diagonal side bracing.

Diagonal Bracing

Although our connector plates have eliminated the need for diagonal braces to provide resistance to racking forces, HK Timbers use braces in the ends of boxes where less hindrance is caused when tipping. Connector plates can be supplied in box ends if required.

Step 3: INTERMEDIATE POST or VERTICAL BATTEN

The incorporation of intermediate posts, which extend from the top of the box and through the deck to the floor, leads to an overall improvement in a box's strength compared to a box with vertical sides, and in particular an increase in the bowing resistance of the lower boards of the side panels, and a more even transfer of weight

through the box during stacking. The central bearers also reduce the likelihood of damage to the post from fork lifts. However, there is more protrusion of the battens into the box, which may cause additional bruising on filling and emptying.

Step 4: GAPS or CLOSED

The choice between a gapped or close boarded box tends to be dictated by the end user's preference and the type of storage environment used. Both types can be manufactured to conform to BS7611 Class 8.

Step 5: PALLET or PLAIN BASE

Any design of box can be made to allow the addition of a pallet type deck to assist with tipping. By increasing the number of bearers, additional bottom battens are fitted across the length of the box, replacing the two battens which are otherwise fitted across the width of the box at each end.



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