KANBAN SHELVING SYSTEM
More small parts would be impossible!

Save space and time with an optimum combination of ultra-flat shelving and C-item bins

BITO
...or how do you store?
The new BITO Kanban shelving system

The new C-item bin from BITO
unmistakable - extremely robust - versatile

Safety rod
- The safety rod prevents the bin from being pulled out too far by accident while also allowing easy picking.

Label holders
- A large label holder on the back of the bin is used to hold the Kanban cards.

Front picking
- By simply sliding down the front window, smaller quantities of items can be easily retrieved while the bin remains on the shelf. The container base has an ample radius for easy component retrieval.

Top picking
- For picking larger quantities, the bin can be pulled forward for ease of access – the safety rod and carrying handle prevents the bin from being pulled out too far. There is unhindered access to the contents from the top.

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Cross dividers
- The cross divider permits the Kanban principle to be used within a single bin. The cross divider splits stored goods into two picking pools.

Slide-down window
- A robust handle on the slide-down window fulfills several functions simultaneously: It serves as carrying handle, area for labels as well as push and pull grip.

Product feeder panel
- Prevents small items from spilling out when the bin is tilted or the slide-down window is pushed down.
- The feeder panel can be tilted backward to let the desired quantity of items move to the front of the bin.

25% more storage volume in comparison with conventional storage bins
What are C-items actually?

The term originates from ABC analysis, which among other things with inspections of the parts spectrum of a company according to their purchase value or by order frequency.

C-items are characterised by their high share of the part spectrum (~50-80%) and their low share of purchase volume (5-10%). In relation to their value, orders of these parts represent process costs that are proportionally high.

For example:
A 15-£ order for a C-item creates process costs nearly as high as a 10,000-£ order of an A-item – namely, an average of about £ 108.

The savings potential in the C item range has less to do with the price, and more to do with order cycles and the process costs attached to them.

C-item Kanban

Refill system, consisting of two bins that are stacked behind each other. Picking is done from the front bin, with the rear bin used for refill. When the front bin is empty, it is removed. The empty bin, or for example an RFID on the bin, triggers the order.

For a so-called single-bin Kanban, one bin is divided in the middle. Once the front bay is emptied, removing the cross divider can trigger the order, for example.

A significant method for process improvement is the self-regulating Kanban circuit, frequently in an interplay with external C-item service providers as well.
C-items optimise provision!

In modern assembly processes a continuous material supply of small parts is an absolute prerequisite. Costs play just as important a role, so space costs and production areas must also be taken into consideration.

The BITO Kanban shelving system offers special advantages for the provision of C-items.

Increase in item variety with compressed storage

Due to the new ultra-flat shelves, a bay with bins can provide up to 25% more items.

<table>
<thead>
<tr>
<th>Standard shelf</th>
<th>New: Ultra-flat shelf</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 mm</td>
<td>20 mm</td>
</tr>
</tbody>
</table>

Production areas are expensive and should be used productively.

Compact supply with ultra-flat shelving creates 25% more space for items!

The compact supply of BITO Kanban shelving can reduce space requirements by 25%!

Area required previously: 100 m²
Area required with BITO Kanban system: 75 m²
The new BITO Kanban shelving system

C-item shelving

More room for your bins - the flattest shelf available on the market

- Shelf load: 100 – 150 kg
- Bay load: 1,300 kg
- Shelf height 20 mm
- 25% more storage space
- Fast and easy assembly without bolts
- Extensions possible at any time
- Shelf levels adjustable in 25 mm increments
- All components galvanised
- Compatible with BITO standard boltless shelving of all types

Shelf length 1000 mm

<table>
<thead>
<tr>
<th>Shelving height mm</th>
<th>Number of shelves</th>
<th>Shelving depth mm</th>
<th>Useful depth mm</th>
<th>Load per level kg</th>
<th>Starter bay Ref.no.</th>
<th>Extension bay Ref.no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1850</td>
<td>10</td>
<td>324</td>
<td>300</td>
<td>100</td>
<td>53-33570</td>
<td>53-33574</td>
</tr>
<tr>
<td></td>
<td></td>
<td>424</td>
<td>400</td>
<td></td>
<td>53-33571</td>
<td>53-33575</td>
</tr>
<tr>
<td></td>
<td></td>
<td>624</td>
<td>600</td>
<td>150</td>
<td>53-33573</td>
<td>53-33577</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Load capacity kg</th>
<th>For a shelf length of mm</th>
<th>For a useful depth of mm</th>
<th>Ref.no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra-flat shelves</td>
<td>High shelves 20 mm, compatible with BITO boltless shelving of all types, supplied with 4 shelf clips</td>
<td>100</td>
<td>1000</td>
<td>300</td>
<td>53-33582</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>1000</td>
<td>400</td>
<td>53-33583</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td>1000</td>
<td>600</td>
<td>53-33585</td>
</tr>
</tbody>
</table>

Length of starter bay 1,058 mm

Extension bay length 1,008 mm

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The new BITO Kanban shelving system

C-item shelving with bins

Save space and time with the new BITO Kanban shelving

- Compact supply of C-items
- Stores 25% more C-items and provides ergonomic access for order pickers
- BITO shelving featuring ultra flat shelves combined with the new C-item bins CTB perfectly implement the Kanban lean manufacturing principles
- Single deep shelving (shelving depth 324 or 424 mm) is supplied with 10 shelves and 60 CTB bins
- Double deep shelving (shelving depth 624 mm) is supplied with 10 shelves and 120 CTB bins

<table>
<thead>
<tr>
<th>Shelving height mm</th>
<th>Number of shelves</th>
<th>Design</th>
<th>Shelving depth mm</th>
<th>Useful depth mm</th>
<th>Load per level kg</th>
<th>Ref.no.</th>
<th>Ref.no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1850</td>
<td>10</td>
<td>single sided use</td>
<td>324</td>
<td>300</td>
<td>100</td>
<td>53-35117</td>
<td>53-35121</td>
</tr>
<tr>
<td></td>
<td></td>
<td>double sided use</td>
<td>424</td>
<td>400</td>
<td>150</td>
<td>53-35116</td>
<td>53-35120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>624</td>
<td>600</td>
<td>150</td>
<td>53-35114</td>
<td>53-35118</td>
</tr>
</tbody>
</table>

**Shelf length 1000 mm**

**Starter bay**

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Load capacity kg</th>
<th>For a shelf length of mm</th>
<th>For a useful depth of mm</th>
<th>Ref.no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ultra-flat shelves</td>
<td>100</td>
<td>1000</td>
<td>300</td>
<td>53-33582</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>1000</td>
<td>400</td>
<td>53-33583</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td>1000</td>
<td>600</td>
<td>53-33585</td>
</tr>
</tbody>
</table>

**Extension bay**

Length of starter bay: 1,058 mm
Extension bay length: 1,008 mm
The new BITO Kanban shelving system

C-item bins

The new C-item bins from BITO - unmistakable, extremely robust, versatile

- Designed to fit standard shelving dimensions — no loss of space
- Optional product feeder panel to prevent items from spilling out
- Simply push down the window for picking smaller quantities without having to pull the bin forward
- Slide-down window and optional product feeder panel allow to use full bin volume
- The container base is conveniently radiused for easy retrieval even of very small items
- Label holder on the back of the bin to accommodate Kanban cards

With slide-down window - serving as carrying handle, area for labels as well as push and pull grip - supplied as standard

C-item bins

<table>
<thead>
<tr>
<th>Outside dimensions L x W x H mm</th>
<th>Interior dimensions L x W x H mm</th>
<th>Volume litres</th>
<th>Load capacity kg</th>
<th>Stacking load kg</th>
<th>Piece/PU</th>
<th>Ref.no.</th>
<th>Price/PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 x 156 x 140</td>
<td>250 x 127 x 129</td>
<td>4.1</td>
<td>15</td>
<td>100</td>
<td>12</td>
<td>CTB31514</td>
<td>£45.00</td>
</tr>
<tr>
<td>400 x 156 x 140</td>
<td>350 x 127 x 129</td>
<td>5.7</td>
<td></td>
<td></td>
<td></td>
<td>CTB41514</td>
<td>£48.60</td>
</tr>
</tbody>
</table>

Order 200 pieces and select your own colour from 200 bacs of the same model!
## The new BITO Kanban shelving system

### Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Piece/PU</th>
<th>Ref.no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product feeder panels CDS</strong></td>
<td>Prevents small items from spilling out when the bin is tilted or the slide-down window is pushed down; the feeder panel can be tilted backward to let the desired quantity of items move to the bin front</td>
<td>10</td>
</tr>
<tr>
<td><strong>Carry/safety handle</strong></td>
<td>Spring-mounted safety and carry handle, can be retrofitted at any time, allows bins to be tilted forward without falling out and make bin carrying more convenient; prevent bins from being pulled out of the shelving by accident, lowers automatically when bin is pushed into shelving or when weight is applied during stacking</td>
<td>10</td>
</tr>
<tr>
<td><strong>Cross dividers QT</strong></td>
<td>Enables use of the Kanban principle within the bins; The cross divider splits goods into 2 picking pools</td>
<td>10</td>
</tr>
<tr>
<td><strong>Carrier foil for stick-on labels</strong></td>
<td>Self-adhesive carrier foil for easy removal of stick-on labels from bin and container surfaces</td>
<td>100</td>
</tr>
</tbody>
</table>

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**Test our C-item bins and see the top quality for yourself.**
The Kanban shelving system in practice:

Practical example: Visual inspection

- Simple visual inspection with transparent slide-down windows

Inventories must be checked regularly to guarantee continuous refill of C-items. To implement this process as time-effectively as possible, BITO-CTB has been fitted with large, transparent viewing windows allowing simple and reliable visual inspection. The labels used are always visible.

- The time required for inventory control is reduced with BITO C-item bins

Practical example: Safe transport | Stacking load

- Safe transport, for example on Euro pallets

BITO C-item bins can be transported in a space-saving way on a pallet. The surface area of a Euro pallet is used with outstanding efficiency. There are no projecting parts or overlap. Due to the bins’ high stacking load, a maximum load capacity of up to 7 bins can be stacked vertically. This allows large numbers of bins to be moved when needed.

- 100 kg stacking load

- At maximum load capacity, 7 bins can be stacked on each other
The new BITO Kanban shelving system

Practical example: Ergonomics

> Simple, ergonomic picking when the slide-down window is open

The viewing window can be easily pushed down. This gives the picker free access into the bin. The bin need not be pulled out for retrieval, which means a significant increase in time savings.

Practical example: Safety

> A safety handle is used to secure bins without danger and pull them to the stopper

If larger volumes must be retrieved, picking from above ("top picking") is more practical than picking through the pick opening. The bin can be completely pulled out. The safety handle prevents it from falling.