

# THE SL86 ALLROUND TALENT

The ultimate large volume container sized 800 x 600 mm

**LOAD  
CAPACITY  
UP TO  
500 KG**



**BITOBOX SL**



reddot

# BITO

*...or how do you store?*



»BITOBOX SL86 – the ideal large volume container for lean production environments«



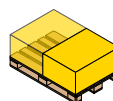
# BITOBOX SL86 —

## The allround talent sized 800 x 600mm

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From the technical as well as from the economic point of view, the SL86 is a smart alternative to conventional heavy duty carriers such as mesh box pallets and other large volume containers made of metal or wood. Lightweight yet hardwearing, the SL86 comes in dimensions that meet the trend towards smaller batch sizes. A standard European pallet accommodates two SL86 containers.

- > **Lightweight alternative from polypropylene** | substantially lower weight than same size metal containers
- > **Excellent rigidity** | Non-deforming one-piece construction minimises need for repairs, hence low maintenance costs
- > **Protects your goods from soiling** | Closed lid keeps dirt out and prevents damage to contents
- > **Dual colour design** | Corner uprights in a different colour allow easy stock identification
- > **Ideal container size** | The smaller container size suits a wider range of applications and reduces waste of space
- > **Half-drop door** | Optionally supplied with half-drop door at the short or at the long side | Easy access to stock
- > **Easy to clean** | Snag-free interiors
- > **Base dimensions 800 x 600 mm**
- > **Winner of the red dot award 2012**



# BITOBOX SL86 –

Heavy duty container sized 800x600mm large volume container



## Excellent rigidity

- Safe stacking – also when fully loaded
- Static stacking capacity: 1500 kg
- Mobile stacking capacity: 1000 kg



## Dual colour design

- Colour coding for easy stock identification
- Corner uprights in various colours
- Ask for minimum order quantities

Space for your  
**Logo**

## Plenty of space for your logo

- Choose from various application methods:  
injection moulding, pad print, screen print.



**Stocks a load of up to 500 kg**

■ in one plastic container sized 800 x 600mm

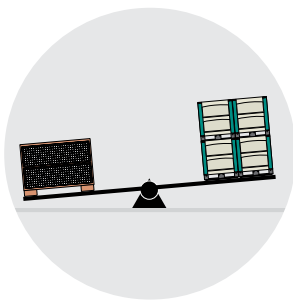


## Durable & robust

- 5 year warranty



red dot



### Light-weight champion

- Weighs much less than same size metal containers



### Lid options

- Interlocking two-part lid, mounted on hinges, can be strap-sealed and security tagged
- Drop-on one part lid, perfect protection against content soiling, drop-on fitting, can be removed anytime

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### Half-drop door

- Optionally available, on long or short side
- Jam-free operation, synchronised hinges provide smooth motion
- Only one hand needed to close door



### Double base

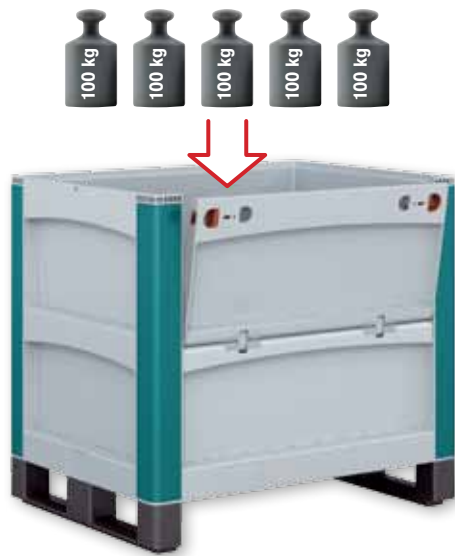
- Welded sandwich construction for high load capacities
- Containers for automated storage (no runners) can be supplied upon request

### Runners

- Convenient handling with fork lift truck or hand pallet truck
- Easy to mount and to remove

## BITOBOX SL86 –

### Heavy duty container sized 800x600mm large volume container



**Stock and move loads of up to 500 kg –  
in a plastic container sized 800 x 600 mm**

- > One plastic container SL86 can carry up to 500 kg.  
This has been tested and confirmed by the Fraunhofer Institute for Material Flow and Logistics
- > Low tare weight between 14 and 18 kg depending on container variation
- > Empty containers can be relocated without powered vehicles –  
no forklift truck needed



**1 container stacks up to 1500 kg (static load) –  
3 containers weighing 500 kg each**

- > Static stacking capacity: 1500 kg
- > Mobile stacking capacity: 1000 kg
- > All values indicated have been tested and confirmed by the Fraunhofer Institute for Material Flow and Logistics.



**Jam-free half-drop door –  
for convenient handling**

- > Large half-drop door on long side or on short side
- > Can be closed with one hand, hinges are synchronised



### Dual colour design – facilitates stock identification

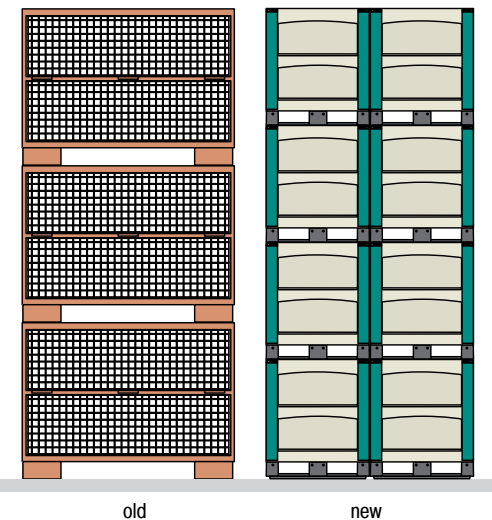
- > Container uprights can be supplied in 5 colours.
- > Standard colours include turquoise, blue, yellow, red and black.

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### Secure and clean – in line with modern storage & handling principles

- > The snag-free interiors are soil-resisting and very easy to clean.
- > Closed sides and base help to keep out dirt and in case of any leaking from stocked items, liquids or grease will not soil your shop floor or pollute the environment.



### Optimum container dimensions – are ideal for „lean production“ environments

- > Dimensions 800 x 600 mm / equivalent to half a European standard pallet
- > Ideal for reduced batch sizes in production and assembly
- > Reduced floor space requirement for same-product batches
- > Low tare weight allows manual in-house transport

# BITOBOX SL86 – Container variations

## With solid sides



| Base Dimensions | Height | Inside Dimensions | Vol.   | Type     | Ref. no. | Piece/ Pallet | Price/ piece | Price/ Piece at Pallet load | Item price For purchase of 100 Pcs. min |
|-----------------|--------|-------------------|--------|----------|----------|---------------|--------------|-----------------------------|-----------------------------------------|
| L x W mm        | mm     | L x W x H mm      | Litres |          |          |               |              |                             |                                         |
| 800 x 600       | 520    | 739 x 539 x 373   | 145    | SL86421K | 52-30342 | 8             | 159,00       | 149,00                      | 119,00                                  |
|                 | 720    | 739 x 539 x 573   | 223    | SL86621K | 52-30343 | 6             | 189,00       | 179,00                      | 139,00                                  |



## With hinged two-part lid

|           |     |                 |     |           |          |   |        |        |        |
|-----------|-----|-----------------|-----|-----------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SLD86421K | 52-30368 | 8 | 189,00 | 179,00 | 139,00 |
|           | 720 | 739 x 539 x 573 | 223 | SLD86621K | 52-30369 | 6 | 216,00 | 206,00 | 159,00 |



## With long side pick opening

|           |     |                 |     |          |          |   |        |        |        |
|-----------|-----|-----------------|-----|----------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SL86426K | 52-30364 | 8 | 179,00 | 169,00 | 129,00 |
|           | 720 | 739 x 539 x 573 | 223 | SL86626K | 52-30365 | 6 | 209,00 | 199,00 | 149,00 |



## With short side pick opening

|           |     |                 |     |          |          |   |        |        |        |
|-----------|-----|-----------------|-----|----------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SL86424K | 52-30354 | 8 | 179,00 | 169,00 | 129,00 |
|           | 720 | 739 x 539 x 573 | 223 | SL86624K | 52-30355 | 6 | 209,00 | 199,00 | 149,00 |



## With half-drop door on the long side

|           |     |                 |     |           |          |   |        |        |        |
|-----------|-----|-----------------|-----|-----------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SLK86426K | 52-30366 | 8 | 199,00 | 189,00 | 145,00 |
|           | 720 | 739 x 539 x 573 | 223 | SLK86626K | 52-30367 | 6 | 235,00 | 225,00 | 175,00 |



## With half-drop door on the short side

|           |     |                 |     |           |          |   |        |        |        |
|-----------|-----|-----------------|-----|-----------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SLK86424K | 52-30356 | 8 | 199,00 | 189,00 | 145,00 |
|           | 720 | 739 x 539 x 573 | 223 | SLK86624K | 52-30357 | 6 | 235,00 | 225,00 | 175,00 |



## With half-drop door on the short side, with hinged two-part lid

|           |     |                 |     |            |          |   |        |        |        |
|-----------|-----|-----------------|-----|------------|----------|---|--------|--------|--------|
| 800 x 600 | 520 | 739 x 539 x 373 | 145 | SLDK86424K | 52-30370 | 8 | 226,00 | 215,00 | 169,00 |
|           | 720 | 739 x 539 x 573 | 223 | SLDK86624K | 52-30371 | 6 | 259,00 | 248,00 | 195,00 |

**This container model is not stackable!**

## Without fork entry shoes to suit automated storage

|           |     |                 |     |            |          |  |  |      |  |
|-----------|-----|-----------------|-----|------------|----------|--|--|------|--|
| 800 x 600 | 420 | 739 x 539 x 373 | 145 | SL86421AKL | 52-30346 |  |  | POA* |  |
|           | 620 | 739 x 539 x 573 | 223 | SL86621AKL | 52-30347 |  |  | POA* |  |



\*price on application

# BITOBOX SL86 – Accessories

## Container dolly

Allows easy handling of containers sized 800 x 600 mm. Perimetral raised edge keeps container in place. 2 swivel and 2 fixed castors, Ø 125 mm. Load capacity 500 kg.



| Ref.no.  | Pcs/pack | Price/pack |
|----------|----------|------------|
| RU86.125 | 1        | 83,00      |

## Rubber anti-slip matting

Protects inside base surface from damage caused by parts being dropped directly into the container by a machine.



| Ref.no.  | Pcs/pack | Price/pack |
|----------|----------|------------|
| 52-30380 | 10       | 86,00      |

## Hand pallet truck, fork length 600 mm

Width 520 mm; load capacity 2000 kg; swivel castors + load rollers: PU.



| Ref.no.  | Pcs/pack | Price/pack |
|----------|----------|------------|
| 52-30379 | 1        | 495,00     |

## Intermediate drop-in layer

Allows to store products in several layers in one and the same container; material: PP-HK, 10 mm



| Ref.no.  | Pcs/pack | Price/pack |
|----------|----------|------------|
| 52-30381 | 1        | 11,60      |

## Divider strips

Side-to-side and front-to-back dividers for SL86 containers. Made from black PP-RE, can be cut to required length with a saw for wood or metals (additional charge for ready cut lengths).



|                       | Length<br>mm | Height<br>mm | Material<br>thickness<br>mm | Ref.no.  | Pcs/<br>pack | Price/<br>pack |
|-----------------------|--------------|--------------|-----------------------------|----------|--------------|----------------|
| Side-to-side dividers | 524          | 180          | 5                           | 52-30384 | 10           | 38,00          |
| Front-to-back div.    | 724          | 180          | 5                           | 52-30385 | 10           | 70,00          |
| Side-to-side dividers | 524          | 120          | 10                          | 52-30382 | 10           | 42,90          |
| Front-to-back div.    | 724          | 120          | 10                          | 52-30383 | 10           | 60,00          |

## Label holders

Welded to container, protection for shipping documents and stock identification cards. Factory-fitted.



| Label holders<br>mm | Ref.no.  | Pcs/<br>pack | Price/<br>pack |
|---------------------|----------|--------------|----------------|
| 210 x 74            | 52-30386 | 1            | 1,10           |
| 210 x 148           | 52-30387 | 1            | 1,60           |

## Document pockets MB

From transparent non-reflecting plastic; robust make, self adhesive.



| Document pockets MB<br>L x W mm | Ref.no.   | Pcs/<br>pack | Price/<br>pack |
|---------------------------------|-----------|--------------|----------------|
| 175 x 105                       | MB ET     | 10           | 18,90          |
| 210 x 148                       | MBETDINA5 | 10           | 23,00          |

## Drop-on lids

Will cover container stacks, can also be used to close individual containers



| Dimensions<br>L x W<br>mm | Ref.no.  | Pcs/<br>pack | Price/<br>pack |
|---------------------------|----------|--------------|----------------|
| 800 x 600                 | 52-30500 | 1            | 22,90          |





# Compact storage | Easy relocation

## Schubert & Salzer Feinguss Lobenstein GmbH

### Precision casting

#### The Company

Schubert & Salzer Feinguss Lobenstein GmbH is a family run medium-sized company operating with the latest casting technology. Customers from more than 40 industries can choose among 150 standard and customer specific types and grades of steel to have their parts and components manufactured through lost wax casting (investment casting).



BITOBOX SL86 plastic containers in BITO PRO pallet live storage racking

#### Customer requirements

All materials are to be stacked in the most efficient and space saving way. At the same time, it must be ensured that sufficient rest times are observed for all materials before further processing. Direct access to the various steel alloys was an equally important requirement in order to avoid wasting time on finding the right product. Finally, the new plastic containers had to be appropriate for storage in roller conveyor lanes.



SL86 containers provide input material for production

#### Situation

Until recently, a buffer stock of cut steel to be remelted was kept in floor-stacked metal containers to serve as production input. However, block stacking is time consuming as individual stock keeping units are less accessible and, on top of this, it is extremely space intensive.

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#### Solution

- > BITOBOX SL86 Heavy duty containers
- > FIFO stock rotation in pallet live storage PRO + FlowStop load separator

#### Key benefits for the customer

##### Pallet live storage racking

- > Pre-cut steel quantities that have been fed into a lane first are picked first.
- > Compact racking design ensures a high degree of space utilisation.
- > No time consuming search for the required steel alloy in floor stacked bins and containers.

##### Heavy duty plastic containers

- > The SL86 with runners travels smoothly on roller conveyor lanes.
- > Durability and suitability for many requirements.
- > Low proper weight allows manual handling.
- > Snag-free surfaces make for easy cleaning.

 **SCHMERSAL**  
A close-up, angled view of a Schmersal industrial terminal block assembly. The assembly consists of multiple rows of grey metal terminal blocks mounted on a white plastic frame. Two blue plastic covers are visible in the foreground, partially covering the terminal blocks. Red circular components, likely part of a safety interlocking system, are visible on the side of the white frame. The image is set against a yellow background.

# ! Compact storage | Easy relocation | Versatility

## Schmersal GmbH & Co.KG, safety technology

### The Company

The Schmersal group, headquartered in Wuppertal, Germany, develops and manufactures some 25,000 mechanical and electrosensitive switching devices, which is the largest range in the world for the protection of man and machine. The product portfolio ranges from micro-switches and sensor-based solutions to heavy-duty switching devices.



Best operational performance with easy-to-handle dropdoor

### Customer requirements

- > Excellent rigidity, long service life
- > Appropriate for all storage and handling requirements
- > Ease of handling as compared to mesh box pallets
- > Better volume utilisation



Instant product identification and immediate access

### Situation

Until recently, the unfinished parts for the production of gearshift housing and levers from gray and malleable iron were moved to and within the production area in unwieldy heavy-duty metal containers with a considerable proper weight such as mesh box pallets.

One of the disadvantages of the metal containers was they can only be relocated with a forklift truck or a hand pallet truck, even when they are empty. For this reason, the customer looked for an alternative container.

### Solution

- > Heavy-duty container BITOBOX SL86 sized 800 x 600 mm
- > Ergonomic loading and unloading through the hinged drop-door

### Key benefits for the customer

- Substantial gain of space in production and storage areas as the 800x600 mm format allows to fill small spaces.
- Space occupation can be additionally reduced by container stacking.
- Excellent wear and tear resistance, hence minimum need for repairs and constant availability.
- Empty containers can be moved without powered service vehicles.
- Compared to a mesh box pallet, two SL86 containers fit perfectly on a European standard pallet. As there are no projecting parts to this unit, it is suited for high bay storage.

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# BITOBOX SL86 – in use

## Heavy duty container sized 800x600mm large volume container



### ... for order picking

- Wide drop-door allows easy product retrieval
- Drop-doors can also be opened when containers are stacked



### ... as production/assembly supply container

- Products can also be moved to workstations on a transport trolley
- To keep material handling as simple as possible



### ... to contain spills

- Closed sides and base
- Ideal for storing and transporting bottles, buckets, etc.



### ... for order picking from floor stacked containers

- Containers stack reliably and provide direct access to several product lines within a stacking block
- Fast and easy reconfiguration of stacking blocks
- Easy adaptation to account for modifications in the product range



#### ... in premises with forklift truck operation

- Convenient relocation with a lift truck
- Runners are very robust and can be exchanged if required.



#### ... for relocation with non-powered means of transport

- Great for work environments without powered service vehicles
- Easy to move with a hand pallet truck or a container dolly



#### ... on roller conveyors

- Appropriate for powered conveyors and gravity conveyors
- Easy to integrate into Kanban scheduling systems for lean and just-in-time (JIT) production



#### ... for product protection and content security

- Hinged two-part lid protects goods from unauthorised access
- Security-sealing is possible

