

BITOBOX SL86

BITO
LAGERTECHNIK

THE ALLROUND TALENT

Heavy-duty container
800x600 mm



reddot

LOAD
CAPACITY
**UP TO
500 KG**



www.bito.com



BITO P2

h	l	max. weight
1.000 mm	6.341 kg	
1.200 mm	6.341 kg	
1.400 mm	6.341 kg	
1.600 mm	6.341 kg	
1.800 mm	6.341 kg	
2.000 mm	6.341 kg	
2.200 mm	6.341 kg	
2.400 mm	6.341 kg	
2.600 mm	6.341 kg	
2.800 mm	6.341 kg	
3.000 mm	6.341 kg	

BITO PT 95L-2.700 mm
max. 1.800 kg

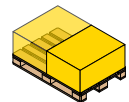
BITO PT 95L-2.700 mm
max. 1.800 kg

BITOBOX SL86 –

The allround talent sized 800 x 600 mm

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 goods
- + **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 800 x 600 mm



Safe stacking

Safe stacking – also when fully loaded

Stacking load for static product supply: 1500 kg

Stacking load for dynamic product supply: 1000 kg



Dual colour design

Colour coding for easy stock identification:
corner uprights can be supplied in various
colours ask for minimum order quantity

Plenty of space
for your

LOGO

Plenty of space for your logo

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

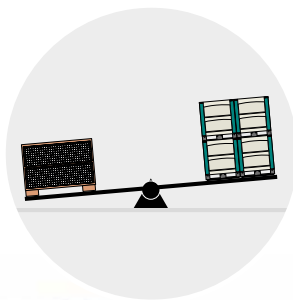


Load capacity 500 kg

in one plastic container sized 800 x 600 mm



Durable & robust



The lightweight champion

Weights 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

BITOBOX SL



Hinged half-drop door

Optionally available on long or short side
Synchronised hinges provide jam-free operation using only one hand.



Runners

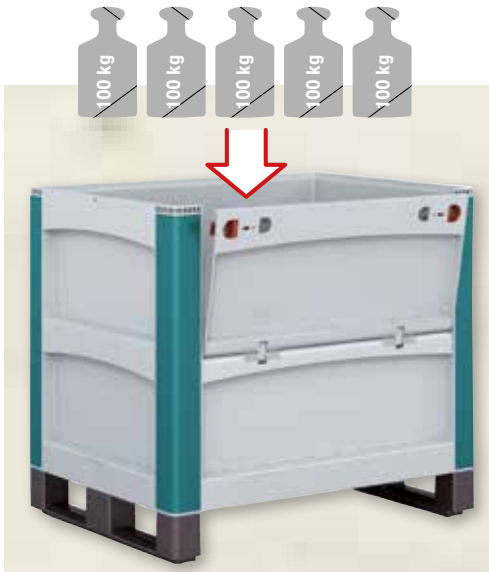
Convenient handling with fork lift truck or hand pallet truck
Easy to mount and to remove



Double base

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

BITOBOX SL86 – the 800x600 mm large-volume container for heavy-duty applications



Load capacity of 500 kg – in a single container

- > The SL86 can carry up to 500 kg – tried and tested by the Fraunhofer Institute for Material Flow and Logistics.
- > Empty weight 14 or 18 kg depending on container variant.
- > Empty containers can be moved without powered vehicles – no forklift truck needed.



Stacking load of 1,500 kg = 3 containers weighing 500 kg each

- > Stacking load for static product supply: 1 500 kg
- > Stacking load for mobile product supply: 1 000 kg
- > All weight specifications have been tested and confirmed by the Fraunhofer Institute for Material Flow and Logistics.



Jam-free half-drop door allows convenient handling

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



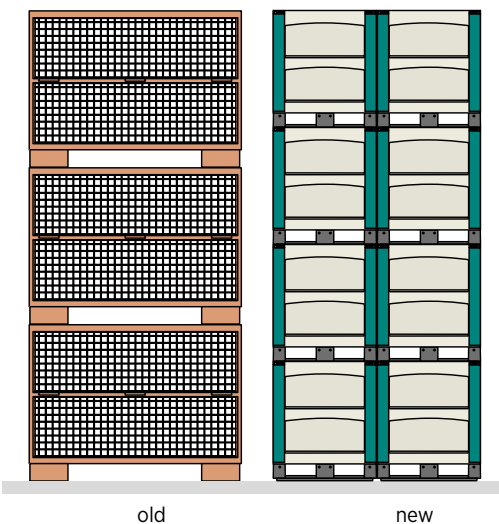
Dual colour design facilitates stock identification

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



Safe and clean to meet modern production requirements

- > The snag-free interiors are soil-resisting and very easy to clean.
- > Closed sides and base help to keep out dirt and contain any leaking from stocked items.



Container dimensions – ideal for lean production environments

- > Optimal 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 empty weight allows manual in-house transport.

BITOBOX SL86 – product variants



SL86 with solid sides

Base dimensions L x W	Height	Internal dimensions L x W x H	Volume	Type name	Ref. no.	Pcs/ Pallet
mm	mm		Litres			
800 x 600	520	739 x 539 x 373	145	SL86421K	52-30342	8
	720	739 x 539 x 573	223	SL86621K	52-30343	6



SL86 with hinged two-part lid

800 x 600	520	739 x 539 x 373	145	SLD86421K	52-30368	8
	720	739 x 539 x 573	223	SLD86621K	52-30369	6



SL86 with long side pick opening

800 x 600	520	739 x 539 x 373	145	SL86426K	52-30364	8
	720	739 x 539 x 573	223	SL86626K	52-30365	6



SL86 with short side pick opening

800 x 600	520	739 x 539 x 373	145	SL86424K	52-30354	8
	720	739 x 539 x 573	223	SL86624K	52-30355	6



SL86 with half-drop door on the long side

Jam-free half-drop door

800 x 600	520	739 x 539 x 373	145	SLK86426K	52-30366	8
	720	739 x 539 x 573	223	SLK86626K	52-30367	6



SL86 with half-drop door on the short side

Jam-free half-drop door

800 x 600	520	739 x 539 x 373	145	SLK86424K	52-30356	8
	720	739 x 539 x 573	223	SLK86624K	52-30357	6



SL86 with half-drop door on the short side and hinged two-part lid -

Jam-free operation for convenient handling

800 x 600	520	739 x 539 x 373	145	SLDK86424K	52-30370	8
	720	739 x 539 x 573	223	SLDK86624K	52-30371	6

This variant is not suited for stacking!

SL86 without runners for automated storage

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



BITOBOX SL86 – Accessories

Transport dolly

Allows easy handling of containers sized 800 x 600 mm.
Raised edge all around to keep container in place.
2 swivel and 2 fixed castors, Ø 125 mm. Load capacity 500 kg.



Ref.no.	Pcs/pack
43-1150	1

Non-slip matting (rubber)

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



Ref.no.	Pcs/pack
52-30380	10

Hand pallet truck, fork length 600 mm

Width 520 mm; load capacity 2,000 kg; swivel castors, load rollers: PU.



Ref.no.	Pcs/pack
52-30379	1

Intermediate layer

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



Ref.no.	Pcs/pack
52-30381	1

Dividers

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



	Length mm	Height mm	Material thickness mm	Ref. no.	Pcs/ Pack
Cross dividers	524	180	5	52-30384	10
Longitudinal dividers	724	180	5	52-30385	10
Cross dividers	524	120	10	52-30382	10
Longitudinal dividers	724	120	10	52-30383	10

Label holders

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



Dimensions of label holder mm	Ref. no.	Pcs/ Pack
240 x 80	52-30386	1
240 x 168	52-30387	1

Document pockets MB-ET

From transparent non-reflecting plastic; robust make, adhesion fixing



Label holders MB L x W mm	Ref. no.	Pcs/ Pack
175 x 105	6-5031	10
210 x 148	6-19528	10

Drop-on lid

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



Dimensions L x W mm	Ref. no.	Pcs/ Pack
800 x 600	52-30500	1





Compact storage and easy handling

Schubert & Salzer Feinguss Lobenstein GmbH, precision casting

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

Requirements

All materials have to be stacked in the most efficient and space saving way. At the same time, sufficient rest times must be observed for all materials before further processing. An equally important requirement was direct access to all steel alloys to avoid wasting time on finding the right product. Finally, the new plastic containers had to be suited for handling on roller conveyor lanes.



SL86 containers provide production supplies.

Situation

Until recently, cut steel bars due for remelting were buffered in floor-stacked metal containers.

However, block stacking needs a lot of space and access to the various product lines is time-consuming.

BITO SOLUTION

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

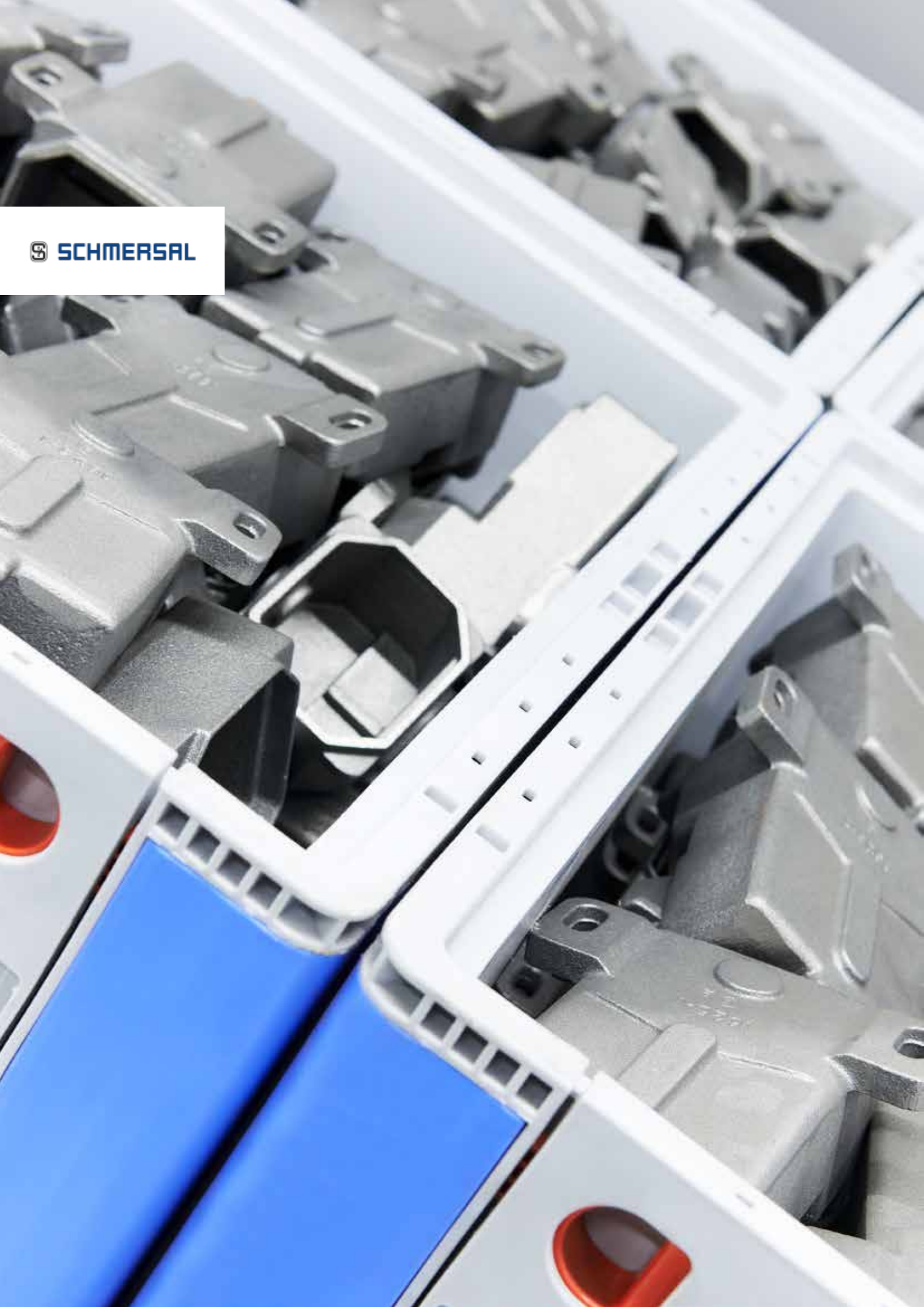
Customer benefits

Pallet live storage racking

- > Pre-cut steel bars are stored in FIFO order
- > Compact racking design ensures good space utilisation
- > No time consuming search for the required steel alloy in floor stacked bins and containers.

Heavy-duty containers from plastic

- > The SL86 with runners travels smoothly on roller conveyor lanes.
- > Hard-wearing and suited for many applications.
- > Low empty weight allows manual handling.
- > Snag-free surfaces make for easy cleaning.

 **SCHMERSAL**

Compact storage | Easy to move | Versatility

Schmersal GmbH & Co.KG, safety technology

Company

The Schmersal Group, headquartered in Wuppertal, Germany, develops and produces around 25,000 different switchgear devices for personal and machine protection and is one of the largest suppliers worldwide with this range.

Their product range includes microswitches and sensors as well as heavy-duty switchgear.



Best operational performance with easy-to-handle drop-door

Requirements

- > Excellent rigidity, long service life
- > Appropriate for all storage and handling requirements
- > Easier handling than is usual with metal mesh boxes
- > Better volume utilisation



Instant product identification and immediate access to all product lines

Situation

In the production area of switch housings and levers made of gray and malleable cast iron, heavy and unwieldy metal mesh boxes and heavy-duty containers were used to transport unfinished parts within the production plant. However, these were almost impossible to move, even when empty, without aids such as forklifts or hand pallet trucks. For this reason, the customer looked for an alternative load carrier.

BITO SOLUTION

- > Heavy-duty container BITOBOX SL86 sized 800 x 600 mm
- > The hinged drop-door allows ergonomic loading and unloading

Customer benefits

- Substantial gain of space in the production area and warehouse by switching to the 800x600 mm format.
- Container stacking saves even more space.
- Excellent wear and tear resistance, hence minimum need for repairs and constant availability.
- Empty containers can be moved without powered service vehicles.
- Unlike mesh box pallets, two SL86 containers fit on a European standard pallet. There is no overhang which makes the storage unit suited for use in high-bay warehouses.

The **BITOBOX SL86** is ideal...



... for order picking

Wide drop-door allows easy product retrieval.

Drop-doors can also be opened when containers are stacked.



... for providing production/assembly supplies

Containers can be moved to workstations on a transport dolly.

Keeps material handling really convenient.



... for containing spills

Closed sides and base.

Ideal for storing and transporting bottles, jerrycans, buckets, etc.



... for building pick walls

Pick walls can be reorganised as required.

Safe stacking for fast and easy-to-realise configurations.

Easy adaptation to account for modifications in the product range.



... for forklift truck operations

Easy handling with a fork lift truck.

Runners are very robust and can be exchanged if required.



... for operations without powered service vehicles

Great for work environments without powered service vehicles.

Easy to move with a hand pallet truck or a container dolly.



... for use on roller conveyors in Kanban systems

Appropriate for powered roller conveyors and gravity roller conveyors.

Easy to integrate into Kanban systems for lean and just-in-time (JIT) production.



... for product protection and content security

Hinged two-part lid protects goods from unauthorised access.

Containers can be security-sealed.

BINS & CONTAINERS + SHELVING & RACKING: FROM A SINGLE SUPPLIER

BITO SUPPLIES EVERYTHING YOU NEED FOR CONVENTIONAL
AND AUTOMATED WAREHOUSES. THE ONE-STOP SHOP CONCEPT
PROVIDES RELIABLE PRODUCT AVAILABILITY FOR END CUSTOMERS,
WAREHOUSE PLANNERS AND GENERAL CONTRACTORS.



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