

A green leaf with a white world map overlay. The text "LEAN LOGISTICS" is written in large, bold, purple capital letters across the center of the map.

# **LEAN LOGISTICS**

**CATALOG**

**5.1**

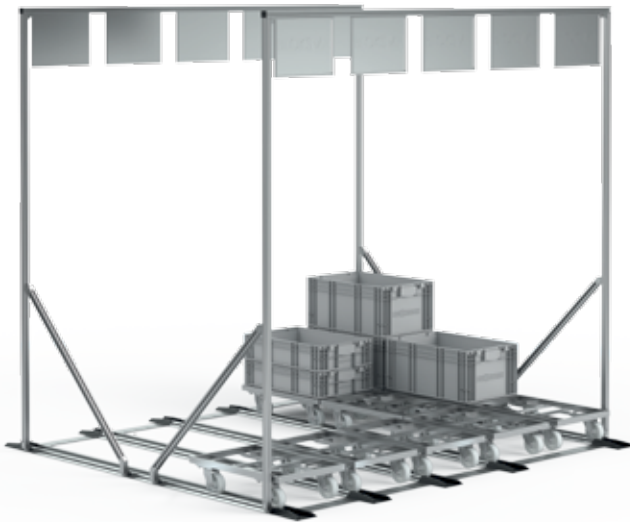
**MATERIAL FLOW**



TROLLEYS

6

FOR PERFECT  
MATERIAL FLOW



SUPERMARKETS

72



TRANSPORT LOGISTICS

122

## Leading companies put their trust in Bloksma solutions:

AEG . Allweiler . AMG . Arburg . Atlas Copco . Audi . Bar . Bauknecht . Benzinger .  
Danfoss . Eaton . ebmpapst . EMAG . FAG . Federal Mogul . Fein . Felsomat .  
Husky . INA . irmscher . Kodak . Kuka . Liebherr . LUK . Lütze . Magna .  
Micro Components . Opel . Porsche . Promot . Schaeffler . Stihl . Still . Traub .





LIFTERS

32



WORKPIECE CARRIERS

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## PERFECT LOGISTICS

As BLOKSMA products adhere to the current manufacturing standards in their basic construction, they can be used in all areas.



### 1 IN SUPPLY



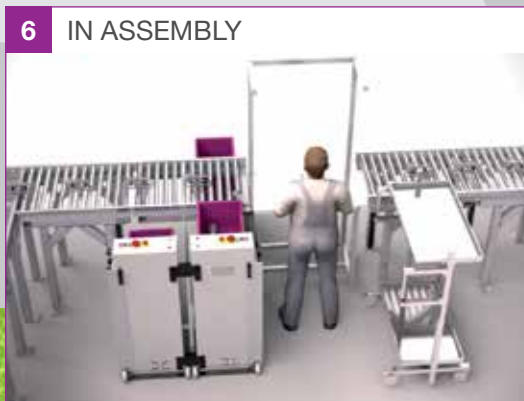
### 7 IN DELIVERY

The material stays in motion from the preliminary supplier to your customer: BLOKSMA logistics ensures efficient production.



### 6 IN ASSEMBLY

BLOKSMA offers tailor-made, sophisticated workpiece carrier systems for automated production. From small and light to large and heavy. Lifters bring the load up conveniently and make every workplace ergonomic.



Material needed for manufacture and assembly is supplied in a clearly structured manner according to the first in – first out principle in the supermarkets and KANBAN-Systems – in the smallest possible space, always available and always in the required amounts.



# IN ALL AREAS

## 2 IN THE INCOMING GOODS DEPARTMENT



Durable, customised, with or without push handle – BLOKSMA trolleys for modern, forklift-free production are available in various designs, dimensions and loading capacities; either in standard sizes or specially manufactured to suit your needs.

## 3 IN PRODUCTION



Lifters bring loads to a comfortable working height, thereby creating an ergonomic workplace. This protects your employees' health and reduces handling costs. Also available in tandem.

## 4 IN IN-HOUSE TRANSPORT



Logistics systems such as BLOKSMA taxi or portal wagons ensure that only as much material is provided in assembly and manufacture as is necessary, or as much as has already been used.

## 5 IN ASSEMBLY SUPPLY

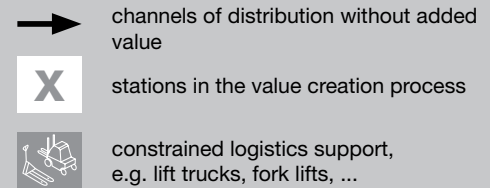


# MATERIAL IN FLOW

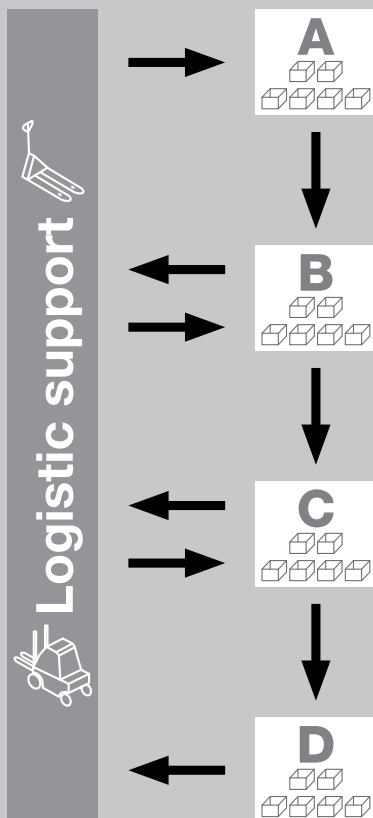
## AN ECONOMIC PERSPECTIVE ON THE MATERIAL LOGISTICS

The optimisation of value-creating processing stations is only one aspect of lean production. In lean production, the material flow plays a decisive role. The transport time from the warehouse via the interim storage facility to the repacking workstations is unproductive and therefore expensive.

In contrast, an optimised material flow offers a big reduction in time and material stocks.

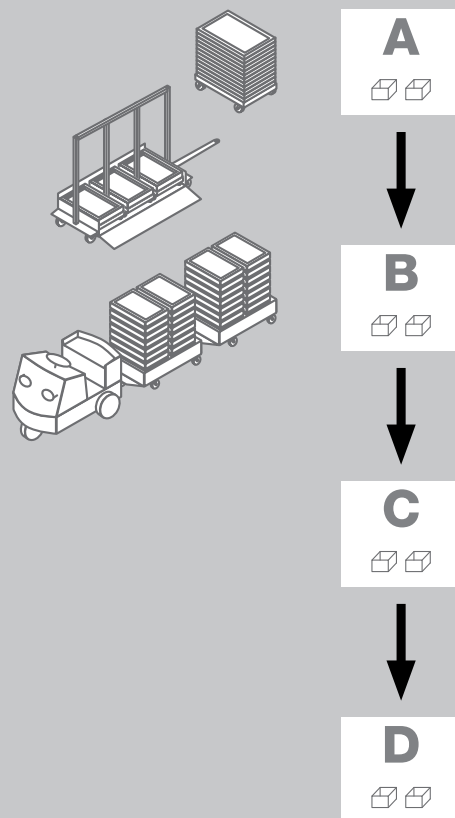


### BEFORE



Transport time per station: 3x

### AFTER



Transport time per station: 1x

### Fictitious time saving sample calculation:

Transport time one-way	Value creation stations	Time requirement before (3 ways)	Time requirement after (1 way)	Savings per load
2 min.	4	$2 \times 4 \times 3 = 24 \text{ min.}$	$2 \times 4 \times 1 = 8 \text{ min.}$	$24 - 8 = 16 \text{ min.}$

For 4 loads per shift in a 3-shift operation, you can achieve annual savings of (240 working days):  
 $16 \text{ min.} \times 4 \times 3 \times 240 = 46080 \text{ min.} = \mathbf{768 \text{ hours}}$



## OPTIMISE YOUR "PRODUCTIVITY FACTOR" PFA

$$\text{PFA} = \frac{\text{Time total}}{\text{Time value-creation}}$$

### What is PFA?

The productivity factor establishes the relationship between the total duration of the product cycle with the duration of the actual value creation process. The smaller the factor, the more efficient the manufacturing process. The factor can be optimised by reducing the activities which do not generate added value, such as the material transport from one processing station to the next.

**Time total** delivery, manufacturing times, in-house transport, standing time, distribution

**Time value-creation** processing, assembly, machine operating times

## LET'S USE A CONCRETE EXAMPLE OF A MANUFACTURER OF PROFESSIONAL POWER TOOLS

### Targets

- increased efficiency
- ground-level storage without shelving and forklifts
- a two-third reduction of work-in-progress
- halving the lead time
- increased productivity per unit area
- improved ergonomics

### Proposed solutions

"getting the production moving":

- modern layout with just-in-time-principle as flow production
- removal of high shelving with a roller conveyor
- forklift-free zones
- reduction of walk and search paths, as well as manual repacking and restacking
- uniform SLC container from the supplier to the customer

### BEFORE

Lead time / working day 1587 min.  
Value creation<sub>estimated</sub> 200 min.

$$\text{PFA} = \frac{1587 \text{ min.}}{200 \text{ min.}} = 7,94$$

Stock 4.950.000 €

### AFTER

Lead time / working day 595 min.  
Value creation<sub>estimated</sub> 200 min.

$$\text{PFA} = \frac{595 \text{ min.}}{200 \text{ min.}} = 2,98$$

Stock 1.600.000 €



### Savings

Time saving through trolley usage  
per working day **992 min.**

Interest gained through lead time reduction  
from 8 to 3 working days per working day **1.315 €**

Stock reduction per year **3.170.000 €**

**Capital expenditure total approx. ca. 90.000 €**

## A PRODUCTION IS ONLY AS GOOD AS ITS MATERIAL LOGISTICS

Material transport time is a weighty cost factor in the manufacturing process. With BLOKSMA know-how and BLOKSMA products, you can also optimise your material flow, thereby saving time and money. An investment with a worthy return.

## BLOKSMA – SOLUTIONS FOR EFFECTIVE MATERIAL LOGISTICS



## TROLLEYS



### Your production on wheels.

**Durable, customized, with or without additional elements – BLOKSMA trolleys are available in a vast range of designs, dimensions and load capacities.**

Transport and handling made easy: BLOKSMA trolleys are the basis for a modern “rolling” production without forklift trucks. With these systems nothing is left or gets forgotten. Everything can be easily and quickly transported as required to the destination area. Regardless of whether transport of goods to the next work step or ergonomics at workplace,

Kanban-planning and the herewith related possibilities for reducing stock values or throughput times are concerned – BLOKSMA trolleys are always the right choice. And at the same time they are extremely flexible: They are available either in standard dimensions and designs or individually adapted to your requirements.



## TROLLEYS

## Product Overview



**Trolleys for KLT**  
BOF up to 500 kg

10



**Euro Trolleys for pallets and other boxes**  
BOF up to 1.000 kg

17



**Trolleys for inch boxes**  
BOF up to 250 kg / 550 lb

19



**Trolleys for light loads – oil-tight**  
BOK up to 250 kg

22



**Trolleys – moulded version, oil-tight**  
BOZ up to 450 kg

24



**Trolleys for heavy loads**  
BOR up to 1.000 kg

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**Trolley – special versions**  
BOV

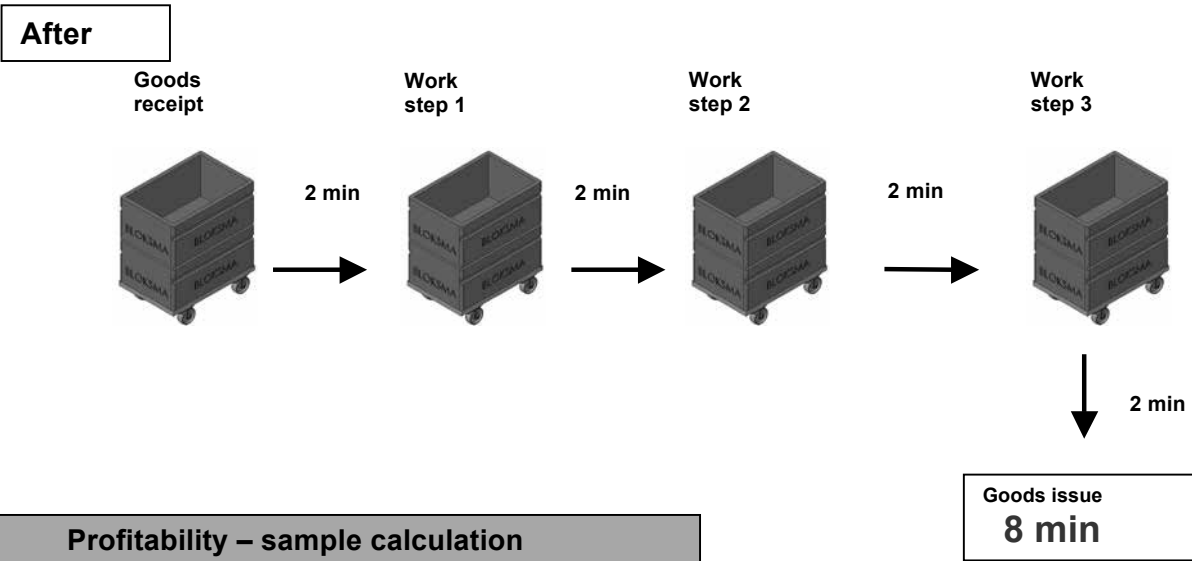
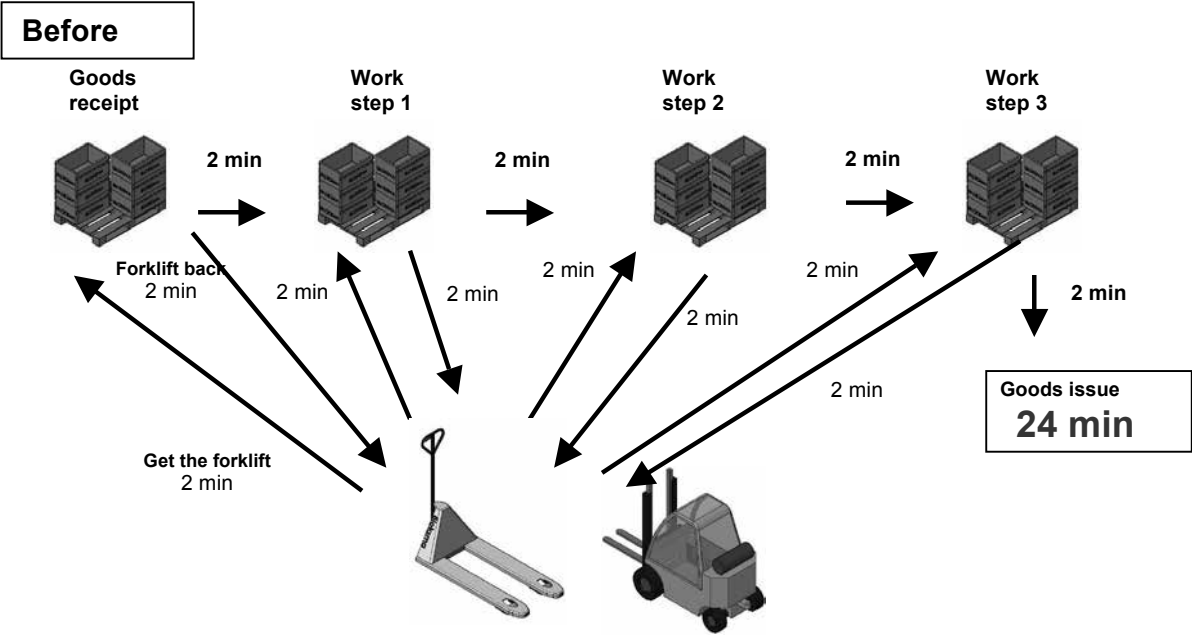
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**Accessories for trolleys**

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TROLLEYS  
ECONOMICAL VIEW



Profitability – sample calculation

working time in minutes		forklift	trolley	saved min
sum of searching and walking ways		24	8	16
x change of pallets per shift	4	96	32	64
x shifts per day	3	288	96	192
x days per year	240	69.120	23.040	46.080

= saved hours	768
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x your wage hour rate	€
x your machine hour rate	€
savings	€

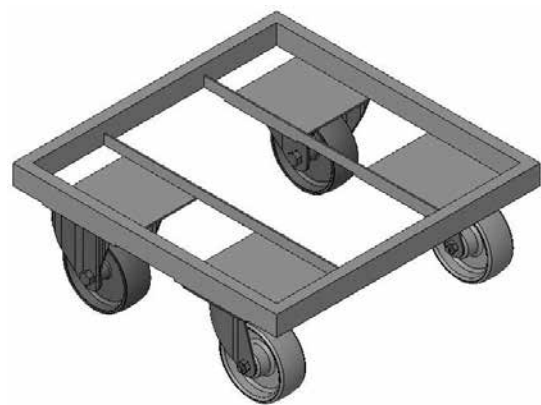
**Further savings:** no investments for floor borne vehicles (as for example forklifts) and their maintenance



## CHECKLIST TROLLEYS

Length	<input type="text"/>	mm
Width	<input type="text"/>	mm
Wheel pairing	<input type="checkbox"/> 2 swivel / 2 fixed castors	<input type="checkbox"/> 4 swivel castors
Wheel quality	<input type="checkbox"/> PA (Polyamid)	<input type="checkbox"/> rubber <input type="checkbox"/> rubber-coated
Wheel diameter	<input type="text"/>	mm
ESD-version	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Brake	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Directional locking device	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Bearing type	<input type="checkbox"/> slide bearing	<input type="checkbox"/> roller bearing <input type="checkbox"/> ball bearing
Product to be carried – description and dimensions (e.g. KLT):		
	<input type="text"/>	
Pan oil-tight	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Suitable for transport pallet	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Code/Chip	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Material	<input type="checkbox"/> Alu	<input type="checkbox"/> Stainless steel
	<input type="checkbox"/> Steel	<input type="checkbox"/> Steel pre-galvanized
Surface	<input type="checkbox"/> galvanized	<input type="checkbox"/> colour powder coated
Washable	<input type="checkbox"/> YES – please request our separate checklist	<input type="checkbox"/> NO
Adapted for automation	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Capacity	<input type="text"/>	kg
Push handle	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Train version /drawbar	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Other requirements		
	<input type="text"/>	
Scaling	<input type="text"/>	

TROLLEYS



Item no. 138151-Sxxxx

**Trolleys**  
**BOF I 400 x 400 mm**  
for KLT  
max. 250 kg

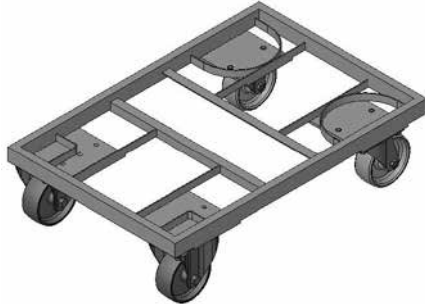
For indoor transport of a stack of boxes  
Various wheel qualities (PP, rubber coated or ESD)  
Suitable for transport pallets (see chapter LOGISTICS TRG)  
Standard size 400 x 400 mm  
Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
138151-S0001 138151-S0002	KLT 400 x 400 mm KLT 400 x 400 mm	400 x 400 mm 400 x 400 mm  max. 250 kg	on inside edge of frame	PA ESD Hard plastic  all Ø 100 mm	2 swivel and 2 fixed castors

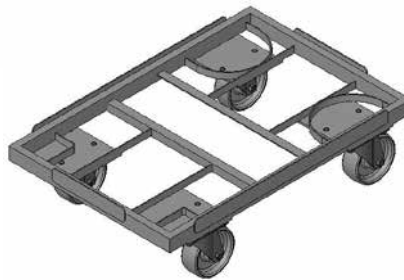
Other models / dimensions on request.



## TROLLEYS



Item no. 137786-Sxxxx  
Centering inside edge of frame



Item no. 137786-Sxxxx  
Centering with lateral stop bars

## Trolleys

### BOF II 600 x 400 mm

for KLT

max. 250 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

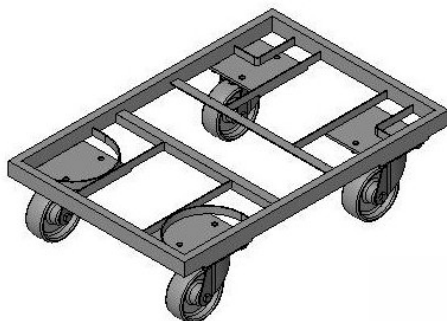
Standard size 600 x 400 mm

Optional products can be found in chapter ACCESSORIES

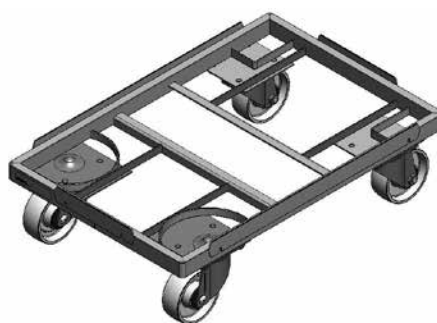
Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
137786-S0001 137786-S0002 137786-S0003 137786-S0004	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	600 x 400 mm 600 x 400 mm 600 x 400 mm 600 x 400 mm  max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors
137786-S0005 137786-S0006 137786-S0007 137786-S0008	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	604 x 404 mm 604 x 404 mm 604 x 404 mm 604 x 404 mm  max. 250 kg	lateral stop bars	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors

Other models / dimensions on request.

## TROLLEYS



Item no. 137787-Sxxxx  
Centering inside edge of frame



Item no. 137787-Sxxxx  
Centering with lateral stop bars

## Trolleys BOF III 600 x 400 mm for KLT max. 250 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

Standard size 600 x 400 mm

Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
137787-S0001 137787-S0002 137787-S0003 137787-S0004	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	600 x 400 mm 600 x 400 mm 600 x 400 mm 600 x 400 mm  max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	4 swivel castors
137787-S0005 137787-S0006 137787-S0007 137787-S0008	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	604 x 404 mm 604 x 404 mm 604 x 404 mm 604 x 404 mm  max. 250 kg	lateral stop bars	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	4 swivel castors

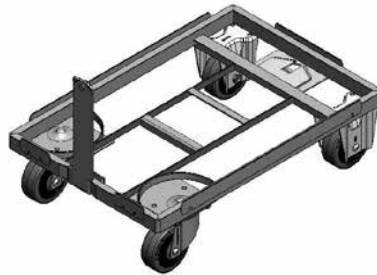
Other models / dimensions on request.



## TROLLEYS



Item no. 135716-Sxxxx  
Centering inside edge of frame



Item no. 135716-Sxxxx  
Centering with lateral stop bars

## Trolleys

### BOF IV 600 x 400 mm

for KLT  
max. 250 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

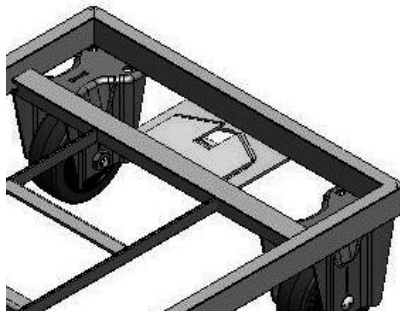
Standard size 600 x 400 mm

Optional products can be found in chapter ACCESSORIES

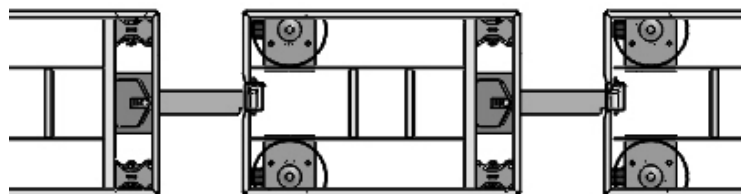
### With rigid drawbar

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
135716-S0001 135716-S0002 135716-S0003 135716-S0004	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	600 x 400 mm 600 x 400 mm 600 x 400 mm 600 x 400 mm max. 250 kg	<b>with rigid drawbar</b>  on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA all Ø 100 mm	2 swivel and 2 fixed castors
135716-S0005 135716-S0006 135716-S0007 135716-S0008	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	604 x 404 mm 604 x 404 mm 604 x 404 mm 604 x 404 mm max. 250 kg	<b>with rigid drawbar</b>  lateral stop bars	PA ESD Hard plastic rubber 2x rubber / 2x PA all Ø 100 mm	2 swivel and 2 fixed castors

Other models / dimensions on request.



Rigid drawbar system



## TROLLEYS



Item no. 144183-Sxxxx  
Centering inside edge of frame



Item no. 144183-Sxxxx  
Centering with lateral stop bars

### Trolleys

#### BOF V 600 x 400 mm

for KLT  
max. 250 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

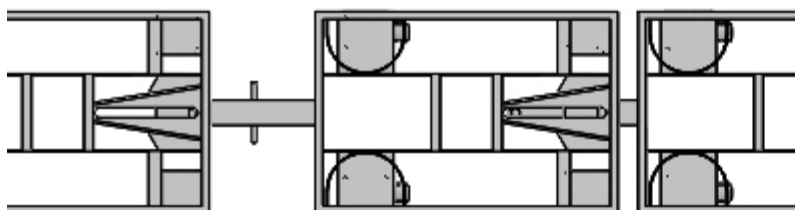
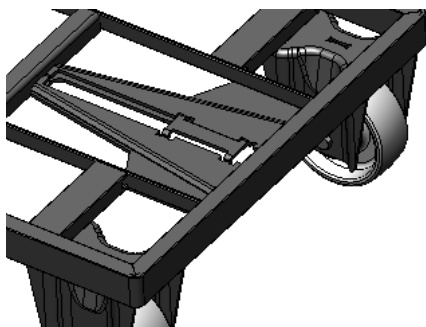
Standard size 600 x 400 mm

Optional products can be found in chapter ACCESSORIES

#### Drawbar with “concertina effect”

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
144183-S0001 144183-S0002 144183-S0003 144183-S0004	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	600 x 400 mm 600 x 400 mm 600 x 400 mm 600 x 400 mm  max. 250 kg	<b>Drawbar with “concertina effect”</b>  on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors
144183-S0005 144183-S0006 144183-S0007 144183-S0008	KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm KLT 600 x 400 mm	604 x 404 mm 604 x 404 mm 604 x 404 mm 604 x 404 mm  max. 250 kg	<b>Drawbar with “concertina effect”</b>  lateral stop bars	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors

Other models / dimensions on request.



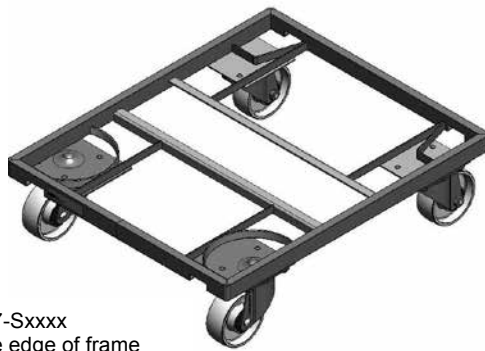
“Concertina effect”

## TROLLEYS

### Trolleys

#### BOF VI 600 x 500

for boxes 600 x 500 mm  
max. 250 kg



Item no. 141307-Sxxxx  
Centering inside edge of frame

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

Standard size 600 x 500 mm

Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
147678-S0001 147678-S0002 147678-S0003 147678-S0004	boxes 600 x 500 mm	max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
141307-S0001 141307-S0002 141307-S0003 141307-S0004	boxes 600 x 500 mm	max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 2x PA  all Ø 100 mm	4 swivel castors

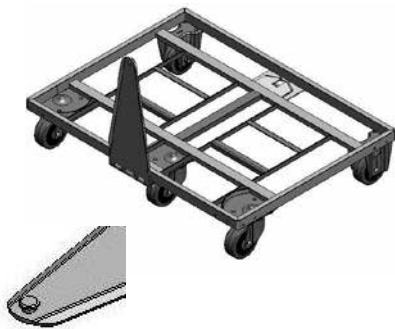
Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
147699-S0001 147699-S0004	boxes 600 x 500 mm	max. 250 kg	<b>with drawbar</b>  on inside edge of frame	PA 2x rubber / 2x PA  all Ø 100 mm	2 swivel and 2 fixed castors

Other models / dimensions on request.

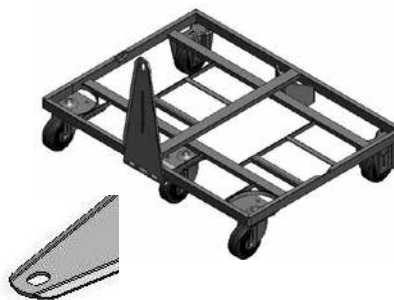
## TROLLEYS



Item no. 138158-Sxxxx



Item no. 138160-Sxxxx  
drawbar with pin



Item no. 138160-Sxxxx  
drawbar with hole

## Trolleys

### BOF VII 800 x 600 mm

for KLT & GLT  
max. 500 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated, ESD)

Suitable for transport pallets (see chapter LOGISTICS TRG)

Standard size 800 x 600 mm

Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
138158-S0001 138158-S0002 138158-S0003	2 KLT 600 x 400 or 1 GLT 800 x 600	800 x 600 mm max. 500 kg	on inside edge of frame	PA ESD Hard plastic rubber	3 swivel and 2 fixed castors
142697	2 KLT 600 x 400 or 1 GLT 800 x 600	800 x 600 mm max. 500 kg	on inside edge of frame	PA	4 swivel castors
138160-S0001 138160-S0002 138160-S0003 138160-S0004	2 KLT 600 x 400 or 1 GLT 800 x 600	800 x 600 mm max. 500 kg	<b>drawbar with pin</b> on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 3x PA	3 swivel and 2 fixed castors
138160-S0005 138160-S0006 138160-S0007 138160-S0008	2 KLT 600 x 400 or 1 GLT 800 x 600	800 x 600 mm max. 500 kg	<b>drawbar with hole</b> on inside edge of frame	PA ESD Hard plastic rubber 2x rubber / 3x PA	3 swivel and 2 fixed castors

Other models / dimensions on request.



## TROLLEYS



### Trolleys BOF VIII 1.200 x 800 mm for heavy loads max. 1.000 kg

For indoor transport of a stack of boxes

Designed for pallets / containers up to 1.200 x 800 mm / or other smaller boxes or containers

Modular system

Designed for trucks (lengthwise or crosswise) with lashing strap

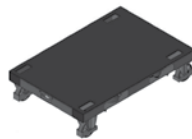
With foot protection and parking brake

Possibility to build milkrun trains

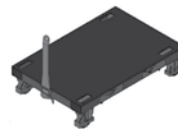
Item no. 145323-S0012



Item no. 145323-S0002



Item no. 145323-S0004



Item no. 145323-S0009



Item no	Model	Push holder	Drawbar	Plate	Lashing strap
145323-S0001	BOF-BOOOO				
145323-S0002	BOF-BSOOO	•			
145323-S0003	BOF-BODOO		•		
145323-S0004	BOF-BOOAO			•	
145323-S0005	BOF-BOOOZ				•
145323-S0006	BOF-BSDOO	•	•		
145323-S0007	BOF-BSOAO	•		•	
145323-S0008	BOF-BSOOZ	•			•
145323-S0009	BOF-BODAO		•	•	
145323-S0010	BOF-BODOZ		•		•
145323-S0011	BOF-BOOAZ			•	•
145323-S0012	BOF-BSDAO	•	•	•	
145323-S0013	BOF-BSDOZ	•	•		•
145323-S0014	BOF-BODAZ		•	•	•
145323-S0015	BOF-BSDAZ	•	•	•	•

## TROLLEYS



Item no. 145550-S0012

### Trolleys

#### BOF IX 1.200 x 1000 mm

for heavy loads  
max. 1.000 kg

For indoor transport of a stack of boxes

Designed for pallets / containers up to  
1.200 x 800 mm / or other smaller boxes or  
containers

Modular system

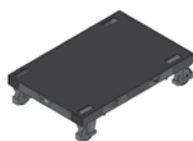
Designed for trucks (lengthwise or  
crosswise) with lashing strap

With foot protection and parking brake

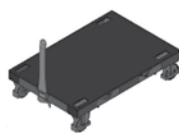
Possibility to build milkrun trains



Item no. 145550-S0002



Item no. 145550-S0004



Item no. 145550-S0009



Item no	Model	Push holder	Drawbar	Plate	Lashing strap
145550-S0001	BOF-BOOOO				
145550-S0002	BOF-BSOOO	•			
145550-S0003	BOF-BODOO		•		
145550-S0004	BOF-BOOAO			•	
145550-S0005	BOF-BOOOZ				•
145550-S0006	BOF-BSDOO	•	•		
145550-S0007	BOF-BSOAO	•		•	
145550-S0008	BOF-BSOOZ	•			•
145550-S0009	BOF-BODAO		•	•	
145550-S0010	BOF-BODOZ		•		•
145550-S0011	BOF-BOOAZ			•	•
145550-S0012	BOF-BSDAO	•	•	•	
145550-S0013	BOF-BSDOZ	•	•		•
145550-S0014	BOF-BODAZ		•	•	•
145550-S0015	BOF-BSDAZ	•	•	•	•

## TROLLEYS INCH SIZE



### Trolleys

#### BOF INCH I

for **24 x 15 INCH BOXES**

max. 250 kg / 550 lb (Pound)

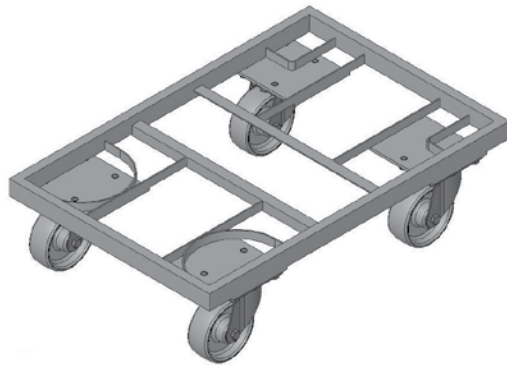
For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated or ESD)

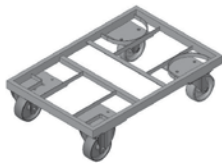
Suitable for transport pallets  
(see chapter LOGISTICS TRG)

Standard size 24 x 15 inch  
as well as 2 boxes size 15 x 12 inch

Optional products can be found  
in chapter ACCESSORIES



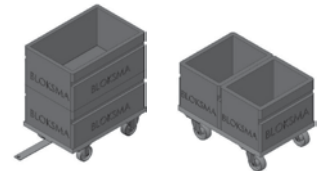
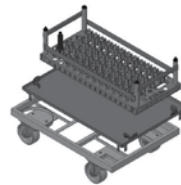
Item no. 146717-Sxxxx  
Centering inside edge of frame



Item no. 146714-Sxxxx



Item no. 146710, Top tray,  
serves as drip tray



Item no. 146722-Sxxxx  
Centering inside edge of frame

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
146714-S0001 146714-S0002 146714-S0003	Box 24 x 15 inch Box 24 x 15 inch Box 24 x 15 inch	24 x 15 inch 24 x 15 inch 24 x 15 inch  max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber  all Ø 100 mm	2 swivel and 2 fixed castors
146717-S0001 146717-S0002 146717-S0003	Box 24 x 15 inch Box 24 x 15 inch Box 24 x 15 inch	24 x 15 inch 24 x 15 inch 24 x 15 inch  max. 250 kg	on inside edge of frame	PA ESD Hard plastic rubber  all Ø 100 mm	4 fixed castors
146722-S0001 146722-S0002 146722-S0003	Box 24 x 15 inch Box 24 x 15 inch Box 24 x 15 inch	24 x 15 inch 24 x 15 inch 24 x 15 inch  max. 250 kg	<b>with drawbar</b>  on inside edge of frame	PA ESD Hard plastic rubber  all Ø 100 mm	2 swivel and 2 fixed castors

Other models / dimensions on request.

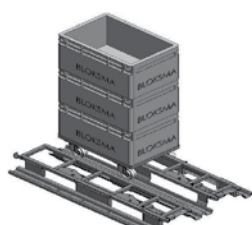
## TROLLEYS INCH SIZE



### Trolleys BOF INCH II for 30 x 24 INCH BOXES max. 500 kg / 1.100 lb



Item no. 146723



Item no.  
146725



Item no.  
139211

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated or ESD)

Suitable for transport pallets  
(see chapter LOGISTICS TRG)

Standard size 24 x 15 inch  
as well as 2 boxes size 15 x 12 inch

Optional products can be found  
in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
146723	1 box 30 x 24 inch	30 x 24 inch	on inside edge of frame	PA	3 swivel und 2 fixed castors
146724	2 boxes 24 x 15 inch	max. 1.100 lb (Pound)		PA	4 fixed castors
146726	1 box 30 x 24 inch or 2 boxes 24 x 15 inch	30 x 24 inch max. 1.100 lb (Pound)	<b>with drawbar</b> on inside edge of frame	rubber	3 swivel und 2 fixed castors

### Accessoires – transport pallet and push holders

Item no.	Product to be carried	Size of trolley and load	Remark
146725	4 trolleys 24 x 15 inch or 2 trolleys 30 x 24 inch	max. 1.000 kg max. 2.200 lb (Pound)	Trolleys will be locked on the pallet
139211	empty or very low trolley stacks		Push holders for trolleys

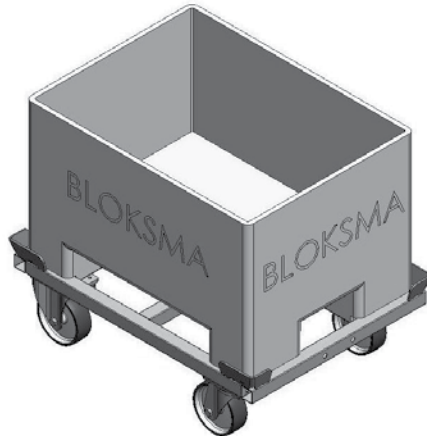
Other models / dimensions on request.



## TROLLEYS INCH SIZE



**Trolleys**  
**BOF INCH III**  
 for 48 x 45 and  
**48 x 32 INCH BOXES**  
 max. 500 kg / 1.100 lb



For indoor transport of a stack of  
 pallet cage, bulk containers, GLT

Various wheel qualities (PP,  
 rubber or PU-coated or ESD)

Designed for various boxes /  
 containers (work piece carriers,  
 boxes, wire baskets or similar)

Various material available (steel,  
 stainless steel, aluminium)

Item no. 202356



Item no. 202357

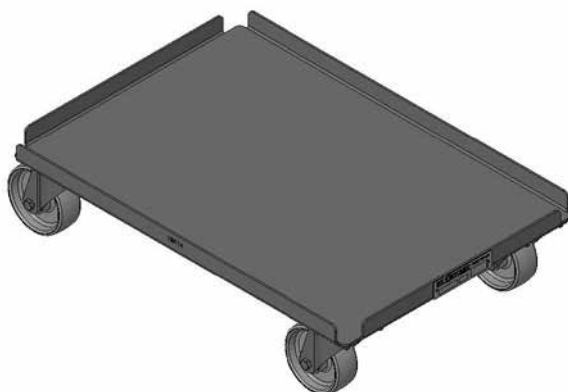


Push-Pull-Assistent  
 for Milkrun-System

Item no.	Product to be carried	Centering of product	Wheels	Wheel design
202356	Pallet cage / GLT 32 x 30 inch	Centering angle	Ø 4,9 inch – PA	4 swivel castors
202357	Pallet cage / GLT 48 x 32 inch	Centering angle	Ø 4,9 inch – PA	4 swivel castors

**Other models / dimensions on request.**

## TROLLEYS



Item no. 129928



## Trolleys

### BOK I

for light loads  
max. 250 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated or ESD)

Designed for various boxes / containers (workpiece carriers, boxes, wire baskets or similar)

Various material available (steel, stainless steel, aluminium)

Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
129928	Box 600 x 400 mm	610 x 420 mm 250 kg	on inside edge of the frame	Ø 100 mm PA	4 swivel castors
134138	Box 600 x 400 mm	610 x 420 mm 250 kg	on inside edge of the frame with crane hook	Ø 100 mm rubber	4 swivel castors
134194	Box 600 x 400 mm	620 x 420 mm 250 kg	on inside edge of the frame	Ø 100 mm PA	4 swivel castors
136997	Box 600 x 400 mm	620 x 420 mm 250 kg	on inside edge of the frame	Ø 100 mm ESD	4 swivel castors
139205	Box 600 x 400 mm	610 x 420 mm 250 kg	on inside edge of the frame one side can be opened	Ø 100 mm PA	4 swivel castors
130520	Box 800 x 600 mm	830 x 630 mm 250 kg	on inside edge of the frame	Ø 100 mm PA	4 swivel castors

Other models / dimensions on request.

## TROLLEYS

### Trolleys BOK II

for light loads – oil-tight  
up to 500 kg

For indoor transport of a stack of boxes

Various wheel qualities (PP, rubber or PU-coated or ESD)

Designed for various boxes / containers (workpiece carriers, boxes, wire baskets or similar)

Various material available (steel, stainless steel, aluminium)

Optional products can be found in chapter ACCESSORIES



Item no. 134744



Item no. 129967

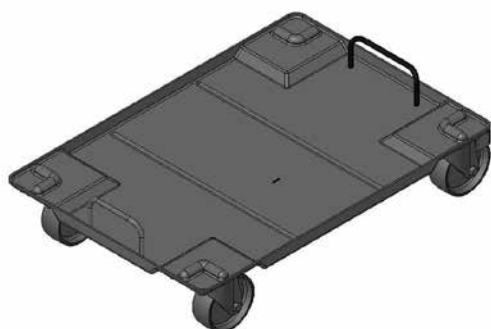


Item no. 134096

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
134744	Box 600 x 400 mm	620 x 420 mm 250 kg	on inside edge of the frame	Ø 100 mm PA	4 swivel castors
136999	Box 600 x 400 mm	620 x 420 mm 250 kg	on inside edge of the frame	Ø 100 mm ESD	4 swivel castors
129967	Box 600 x 400 mm	680 x 510 mm 400 kg	on inside edge of the frame	Ø 100 mm PA	4 swivel castors
134096	Box 800 x 600 mm	845 x 655 mm 500 kg	Centering angle	Ø 125 mm PA	4 swivel castors
137000	Box 800 x 600 mm	845 x 655 mm 500 kg	Centering angle	Ø 125 mm ESD	4 swivel castors

Other models / dimensions on request.

## TROLLEYS



Item no. 125373-x0001

## Trolleys

### BOZ I 630 x 430 mm

moulded, oil-tight version  
up to 450 kg

For indoor transport of a stack of boxes

Size 630 x 430 mm

Adapted to automation on request

Various wheel qualities (PP, rubber or PU-coated or ESD)

Designed for various boxes / containers (workpiece carriers, boxes, wire baskets or similar)

Various material available (steel, stainless steel, aluminium)

Optional products can be found in chapter ACCESSORIES



Item no. 125373-x0014



Item no. 125373-x0015



Item no. 125373-x0016



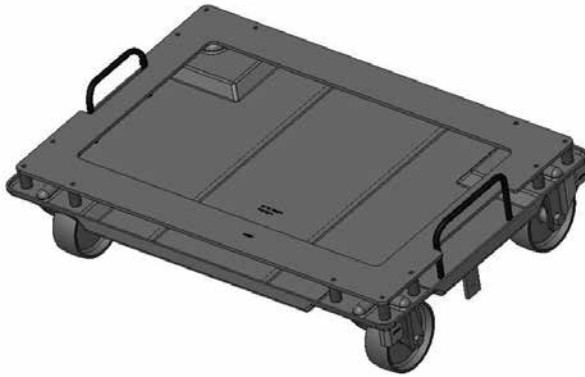
Item no. 125373-x0017

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
125373-x0001	Wire-WPC 600 x 400 mm	630 x 430 mm 450 kg	Handle	Ø 100 mm PA	4 swivel castors
125373-x0014	Box / KLT 600 x 400 mm	630 x 430 mm 450 kg	Centering angle	Ø 100 mm PA	4 swivel castors
125373-x0015	Wire-WPC 600 x 400 mm	630 x 430 mm 450 kg	Handle	Ø 100 mm PA	2 swivel castors 2 fixed castors
125373-x0016	Wire-WPC 600 x 400 mm	630 x 430 mm 300 kg L ges = 758mm	Handle with insertable push holder	Ø 100 mm PA	4 swivel castors
125373-x0017	Wire-WPC 600 x 400 mm	630 x 430 mm 450 kg	Staple bars	Ø 100 mm PA	4 swivel castors

Other models / dimensions on request.



## TROLLEYS



Item no. 201020-x0001

### Trolleys

#### **BOZ II 630 x 430 mm**

moulded, oil-tight version  
up to 450 kg

#### **Elevated deposit**

For indoor transport of a stack of boxes

Size 630 x 430 mm

Adapted to automation on request

Various wheel qualities (PP, rubber or PU-coated or ESD)

Designed for various boxes / containers (workpiece carriers, boxes, wire baskets or similar)

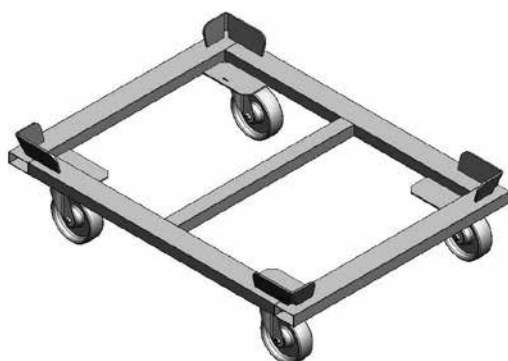
Various material available (steel, stainless steel, aluminium)

Optional products can be found in chapter ACCESSORIES

Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
201020-x0001	Wire-WPC 600 x 400 mm	630 x 430 mm 300 kg	Handle	Ø 100 mm PA	2 swivel castors 2 fixed castors
201020-x0002	Wire-WPC 600 x 400 mm	630 x 430 mm 300 kg	Handle	Ø 100 mm PA	4 swivel castors
201020-x0003	Wire-WPC 600 x 400 mm	630 x 430 mm 300 kg	handle with RFID chip	Ø 100 mm PA	4 swivel castors

**Other models / dimensions on request.**

## TROLLEYS



Item no. 134574



Item no. 135511



Item no. 135743



Item no. 136448

## Trolleys BOR I

for heavy loads  
up to 1.000 kg

For indoor transport of a stack of boxes

Adapted to automation on request

Various wheel qualities (PP, rubber or PU-coated or ESD)

Designed for various boxes / containers (workpiece carriers, boxes, wire baskets or similar)

Various material available (steel, stainless steel, aluminium)

Optional products can be found in chapter ACCESSORIES

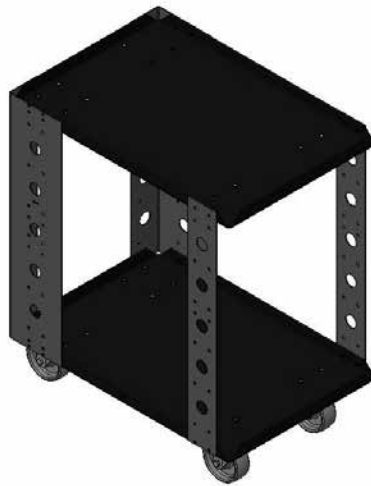
Item no.	Product to be carried	Size of trolley and load	Centering of product	Wheels	Wheel design
134574	Box 800 x 600 mm	865 x 655 mm 400 kg	Centering angle	Ø 125 mm	4 swivel castors
142290	Inclined box 800 x 600 mm	895 x 695 mm 500 kg	Inclined deposit Centering angle	Ø 100 mm	4 swivel castors

135511	Box 1.200 x 800 mm	1.265 x 855 mm 700 kg	Centering angle	Ø 125 mm	4 swivel castors
135743	Inclined box 1.200 x 800 mm	1.327 x 931 mm 700 kg	Inclined deposit Centering angle	Ø 150 mm	4 swivel castors

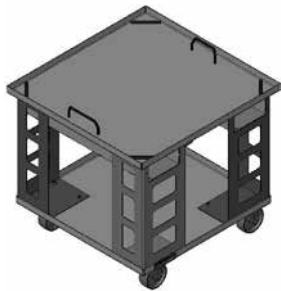
138267	Box 1.200 x 1.000 mm	1.265 x 1.010 mm 500 kg	Centering angle	Ø 150 mm	4 swivel castors
136448	Inclined box 1.200 x 1.000 mm	1.335 x 1.150 mm 1.000 kg	Inclined deposit Centering angle	Ø 150 mm	4 swivel castors

Other models / dimensions on request.

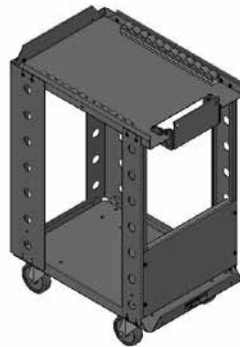
## TROLLEYS



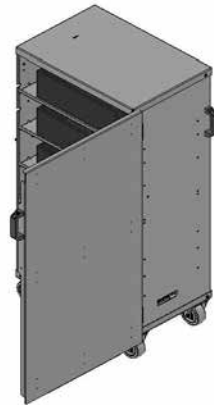
Item no. 136686  
high deposit



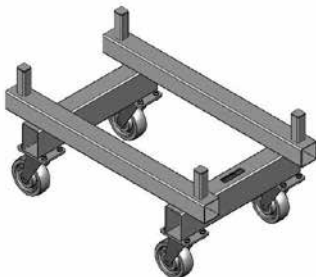
Item no. 131904  
high deposit



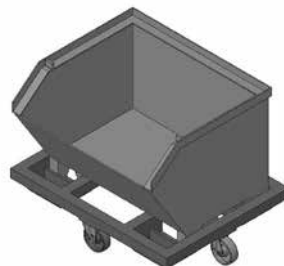
Item no. 137610  
high deposit and roll conveyor



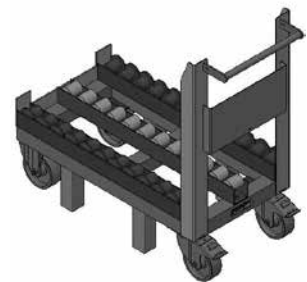
Item no. 135290  
inhouse with door



Item no. 130755  
for T-Box 2071



Item no. 202685



Item no. 134488

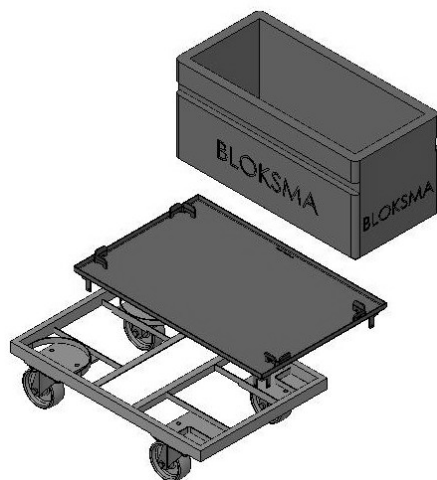
## Trolleys BOV

Additional versions

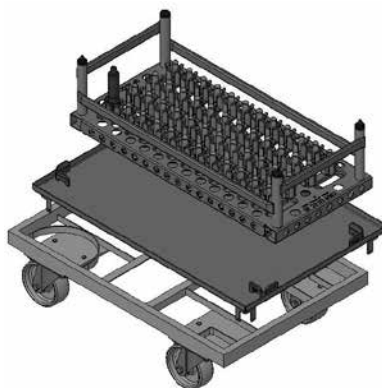
Additional trolleys according to customers' requirements (also for automation) available.

Other models / dimensions on request.

## TROLLEYS – TOP TRAY



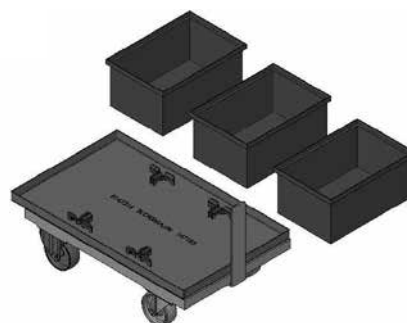
Item no. 202695  
for box 500 x 298 mm  
oil-tight



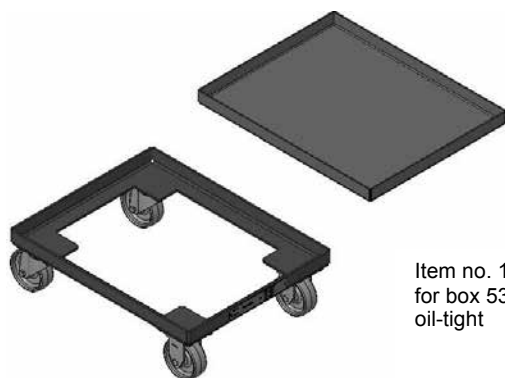
Item no. 139155  
for box 572 x 270 mm  
oil-tight



Item no. 140650  
for box 600 x 400 mm  
oil-tight



Item no. 147216  
for 3 boxes 395 x 185 mm  
oil-tight



Item no. 142512  
for box 530 x 420 mm  
oil-tight

## Trolleys Accessories I

Top tray:  
serves as drip tray and  
centering for boxes

Other models / dimensions on request.



## TROLLEYS – PUSH HOLDER



Item no. 139211  
for trolleys BOF  
see chapter TROLLEYS BOF II – BOF VII



Item no. 200149  
for trolleys BOF  
see chapter TROLLEYS BOF II – BOF VII  
with bowden-cable

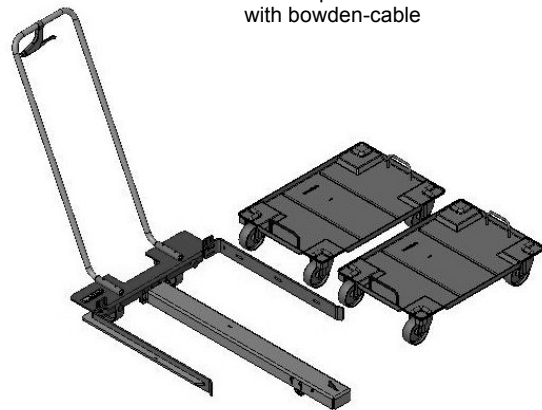
## Trolleys Accessories II

Push holder:

appliance for ergonomic  
transport of empty trolleys or  
boxes stacks with low height



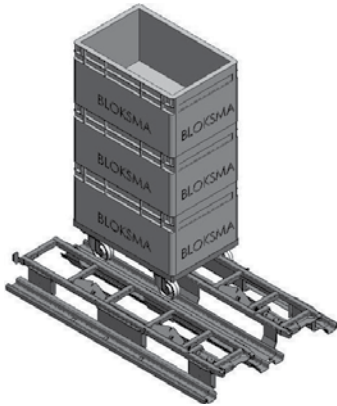
Item no. 139510  
for trolleys BOZ  
see chapter TROLLEYS BOZ I – BOZ II  
with bowden-cable



Item no. 141304  
for 2 trolleys BOZ  
see chapter TROLLEYS BOZ I – BOZ II  
with bowden-cable

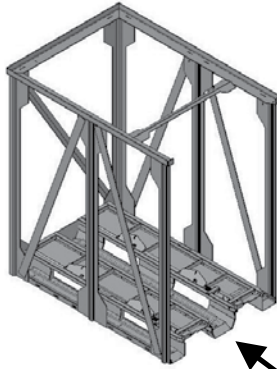
**Other models / dimensions on request.**

## TROLLEYS – TRANSPORT PALLET

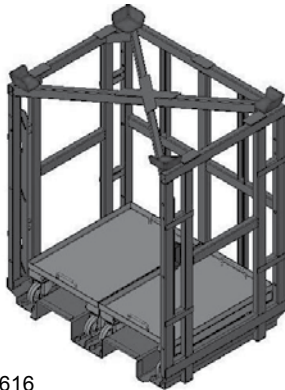
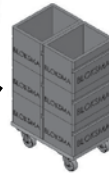


Item no. 143965  
for BOF 600 x 400 mm  
or 800 x 600 mm

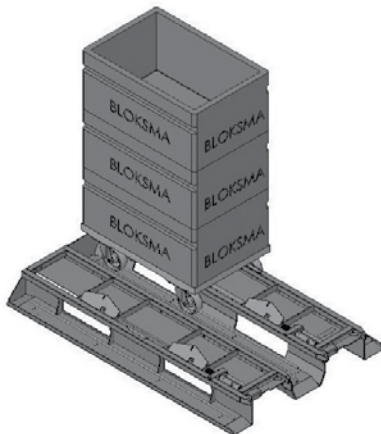
Item no. 147692  
for BOF 600 x 500 mm



Item no. 142984  
for BOF 600 x 400 mm  
see chapter TROLLEYS BOF



Item no. 144616



Item no. 146725  
for BOF 24 x 15 inch  
or 30 x 24 inch

## Trolleys Accessories III

Transport pallet:

For fast and safe indoor and interplant transport of boxes or products

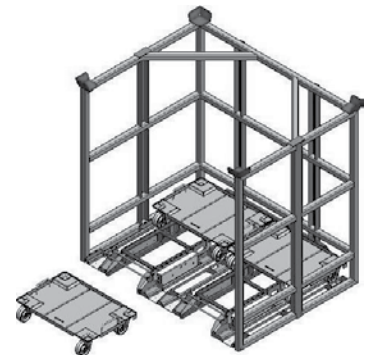
The trolley with KLT-stacks is moved into the rack and the load is secured by a transportation lock.

Transport of the rack by industrial trucks such as forklift truck, pallet truck (to a certain extend), electric pallet truck etc.

To some extend the racks are stackable

Open systems

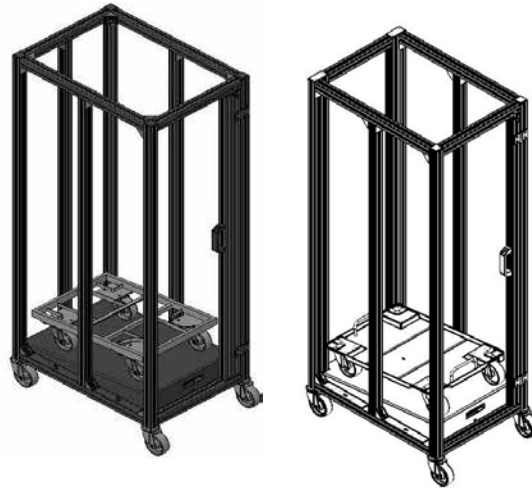
Various designs available, see also TRANSPORT LOGISTICS TFG – Transport pallet I-III



Item no. 201537  
for BOZ 630 x 430 mm  
see chapter TROLLEYS BOZ

## TROLLEYS

### Collecting rack



Item no. 138648

## Trolleys Accessories IV

Collecting rack:

For space-saving storage of empty trolleys

Centering station:

Centering of trolleys

VDA-Cover

### Centering station



Item no. 131953

### VDA-Cover



Item no. 202671 plastic cover 1.200 x 800 mm

Item no. 202672 compatible lashing strap

Item no. 202696 plastic cover with integrated lashing strap

Other models / dimensions on request.

## LIFTER



### Ergonomics at workplace pays off.

**Replace muscular force at the touch of a button: Lifters by BLOKSMA provide ergonomic workplaces. As a premium manufacturer BLOKSMA offers lifters either as pneumatic or electric version.**

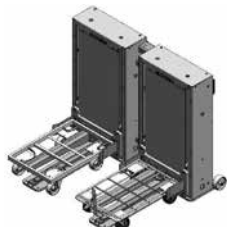
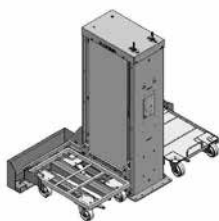
Lifters by BLOKSMA are fundamentally effective. They easily raise goods to the proper level, protect the health of your staff and reduce therefore the access times as well as downtime and handling costs. Due to individual manufacturing, modular basic systems and outstanding flexibility our lifters can be adapted and tailored to all requirements and needs. You have the choice: stationary, mobi-

le or semi-mobile, highly flexible, tandem – twin lifter or single? Pneumatic or electric? Front or side loading? Rotatable when unloaded or under load? With automatic height adjustment or manual control?

Whatever you choose: With lifters by BLOKSMA ergonomics and efficiency are extremely popular and our key factors.

# LIFTERS

## Product Overview pneumatic and electric



**Checklist** 35

**Possible Applications** 36

**Shadow-Maps** 38

**Mobility (stationary / semi-mobile / mobile)** 39

**Control Elements** 40

**Pneumatic lifters** 42

Front loading  
Side loading right and left  
Gemini  
Twin

**Electric Lifters** 52

Front loading  
Side loading right and left  
Gemini  
Twin

**Other Versions** 62

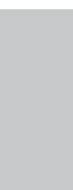
**Accessories** 64

**Data Sheets** 65



# MATERIAL IN FLOW

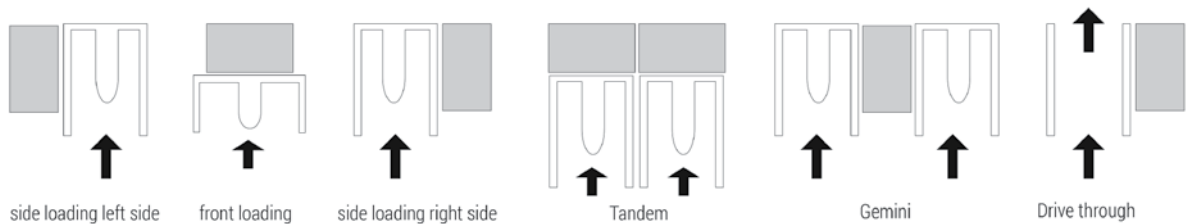
## NOTES



## CHECKLIST LIFTERS

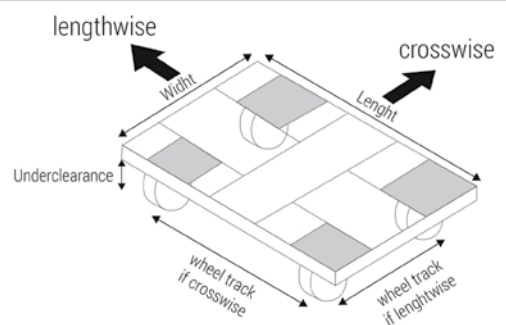
### Features of the lifters

<b>Impulse</b>	<input type="checkbox"/> Electric	<input type="checkbox"/> Pneumatic	
<b>Model</b>	<input type="checkbox"/> Mobile	<input type="checkbox"/> Semi-mobile	<input type="checkbox"/> Stationary
<b>Loading type</b>	<input type="checkbox"/> Front loading	<input type="checkbox"/> Side loading left	<input type="checkbox"/> Side loading right
	<input type="checkbox"/> Gemini	<input type="checkbox"/> Tandem	
<b>Position of the trolley</b>	<input type="checkbox"/> lengthwise	<input type="checkbox"/> crosswise	
<b>Capacity</b>	<input type="text"/>		kg
<b>Working height above floor level (GOK)</b>	<input type="checkbox"/> 720 mm	<input type="checkbox"/> 920 mm	<input type="checkbox"/> Define your needed size
<b>Operating element</b>	<input type="checkbox"/> Hand lever	<input type="checkbox"/> Push button	
	<input type="checkbox"/> Foot switch	<input type="checkbox"/> Panel	
<b>Additional functions</b>	<input type="checkbox"/> Automatic mode with sensor (which loaded item shall give the impulse (KLT/ Wire basket or etc.)	<input type="checkbox"/> Trolley load control	<input type="checkbox"/> Panel holder
	<input type="checkbox"/> Protection mat	<input type="checkbox"/> Protection wall	
<b>ESD ability</b>	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<b>Colour</b>	<input type="checkbox"/> Standard pneumatic white - RAL 9010	<input type="checkbox"/> Standard electric white / magenta - RAL 9010/RAL 4006	

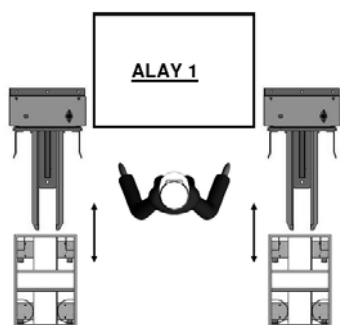


### Features of the trolley

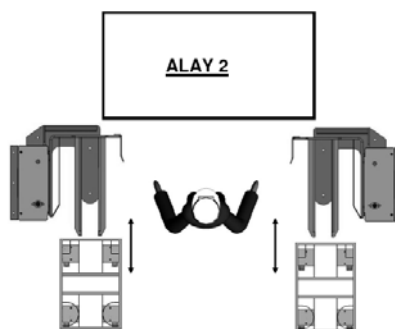
<b>Item No. / Brand</b>	<input type="text"/>	
<b>Length</b>	<input type="text"/>	mm
<b>Width</b>	<input type="text"/>	mm
<b>SPW in direction of entry</b>	<input type="text"/>	mm
<b>Distance clearance</b>	<input type="text"/>	mm
<b>Wheel diameter</b>	<input type="text"/>	mm
<b>Wheel width</b>	<input type="text"/>	mm
<b>Brake</b>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
<b>Wheel pairing</b>	<input type="checkbox"/> 2 swivel / 2 fixed castors	<input type="checkbox"/> 4 swivel castors
<b>Additional comments</b> (e.g. disturbing elements at the bottom of the trolley)	<input type="text"/>	
<b>Scaling</b>	<input type="text"/>	



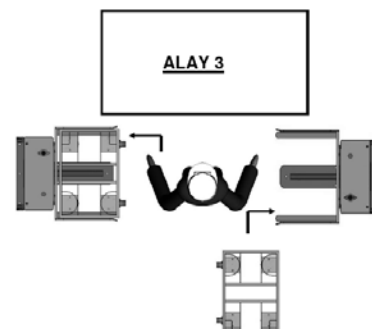
## POSSIBLE APPLICATIONS / SET-UP FOR LIFTERS



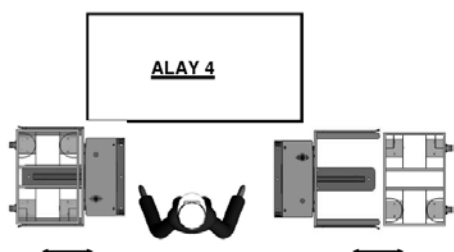
Front loading



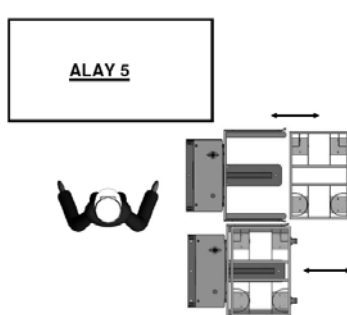
Left Sideloading Right



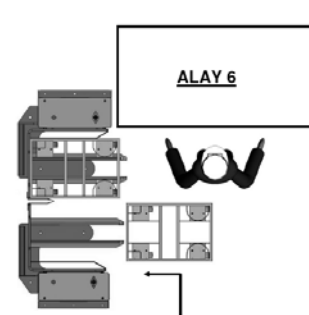
Front loading



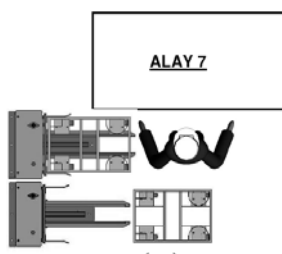
Front loading



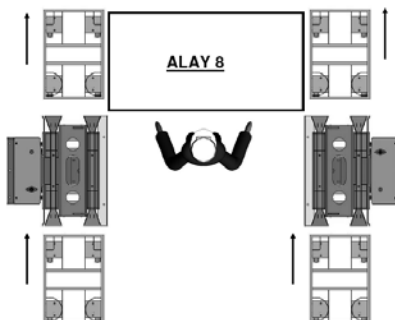
Front loading



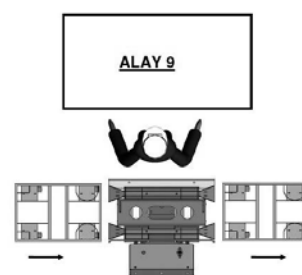
Sideloading Left and Right



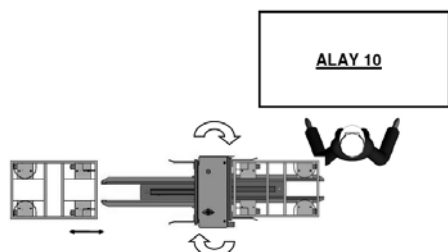
Front loading



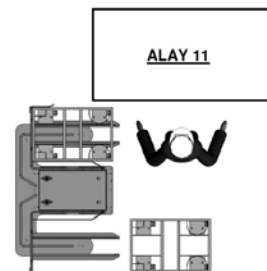
Drive through



Drive through



Turnable

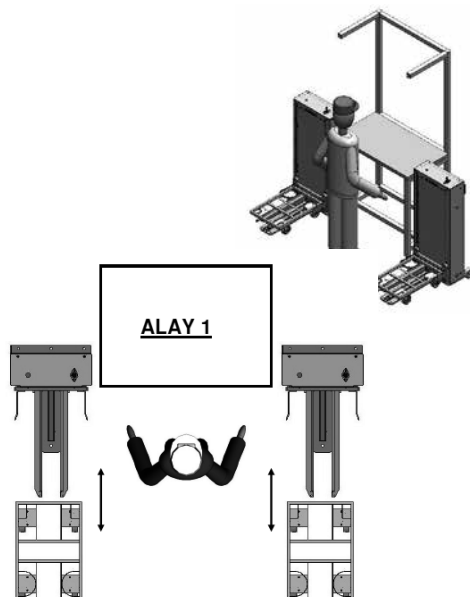


Gemini

## POSSIBLE APPLICATIONS / LAYOUT OF WORKPLACE – ALAY

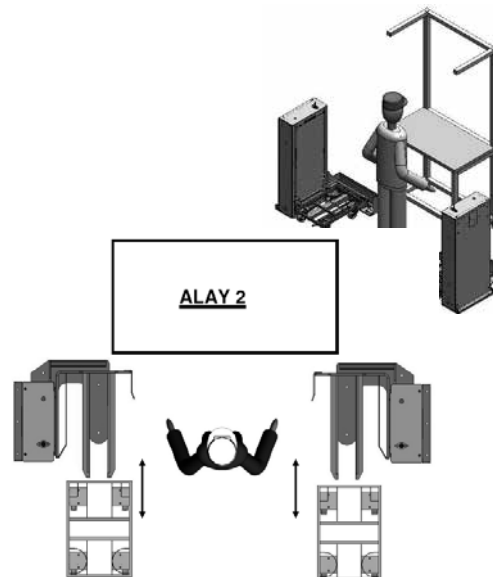
ALAY	1	2	3	4	5	6	7	8	9	10	11
Front loading	●		●	●	●		●	●	●	●	●
Side loading		●				●					
Stationary	●	●	●	●	●	●	●	●	●	●	●
Semi-mobile	●	●	●	●	●	●	●	●	●		
Mobile	●	●	●	●	●	●	●	●	●		
Side Tandem / Twin lifter						●	●				●
Removal from rear / back side				●	●						
Driving through possible								●	●		
Swivelling in working area										●	●
Replacement by system provider	●	●		●	●			●	●	●	●

### Front loading



Front loading

### Side loading



Side loading  
left

Side loading  
right

## SHADOW-MAP (6 PIECES)

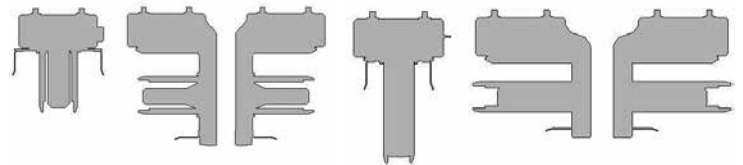
**Bloksma helps you in designing your workplace from the beginning and ensures the choice of the correct and proper lifter.**

## Shadow-Map Set with 6 pieces 201936

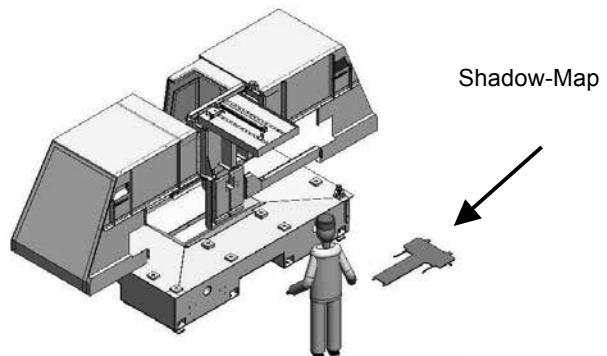
Bloksma supports your planning process from the beginning.

With our 6-piece set you can easily plan and control the space requirement and set-up options of our lifters in your plant.

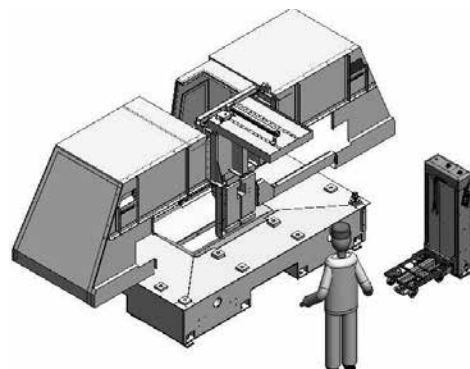
Order your 6 piece shadow map set and you will have an optimal decision support.



Put the shadow map onto the place provided for the workplace. Roll the trolley to the future service zone. You will easily recognize if this step is running smoothly and if the operator will be able to handle the parts with low efforts. Try alternatives. Check the installation site, give your employees a say and order your desired item with Bloksma.



Check the installation site, let your employees in decisions and order your desired device in Bloksma.





## LIFTERS

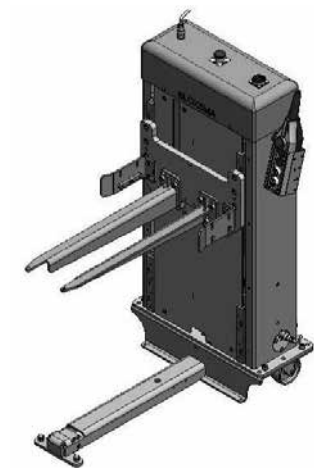
### Mobility

We distinguish the following types:

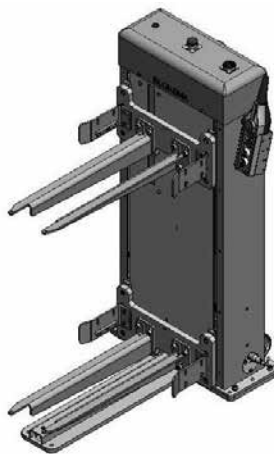
- mobile
- semi-mobile
- stationary

By the choice you determine the design and the technical execution.

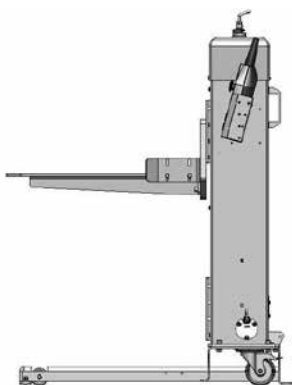
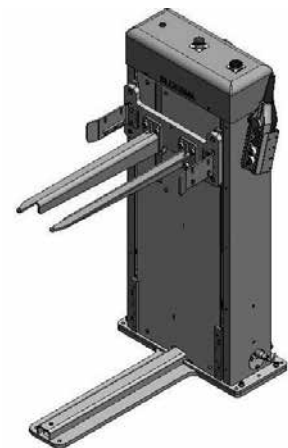
**mobile version**



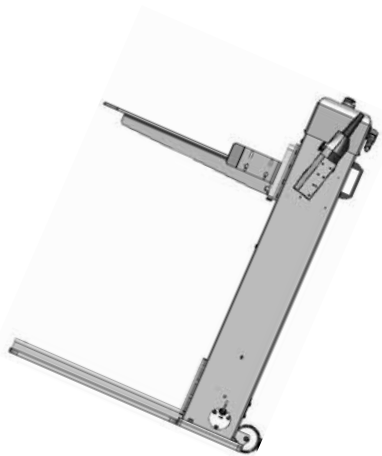
**semi-mobile version**



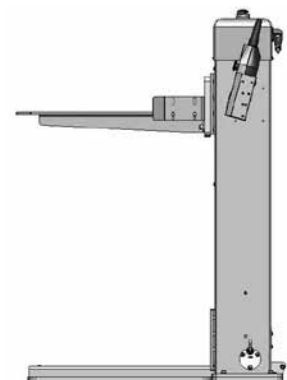
**stationary version**



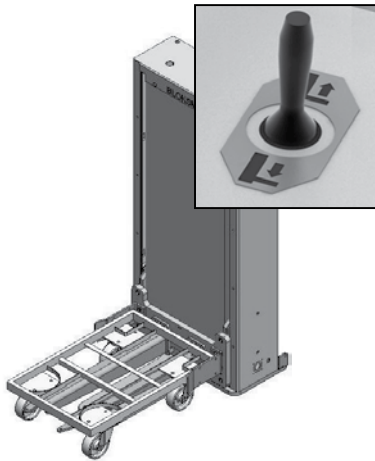
If permanently on wheels



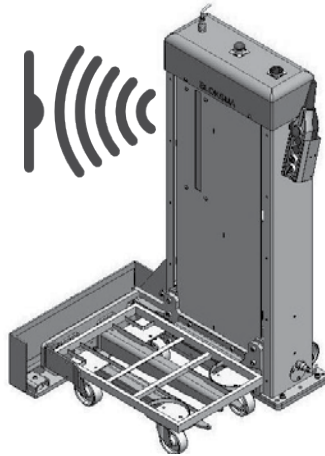
To move around easily tip backwards!  
"Handcarts function"



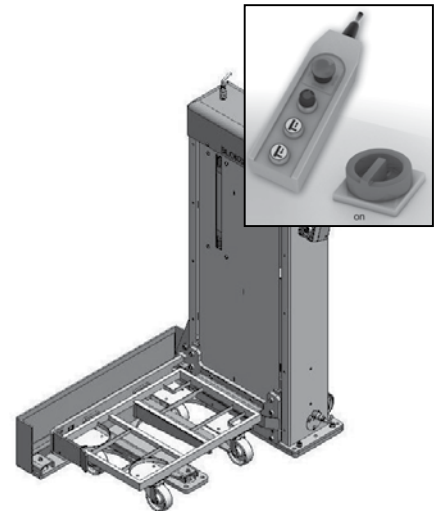
## CONTROL ELEMENTS



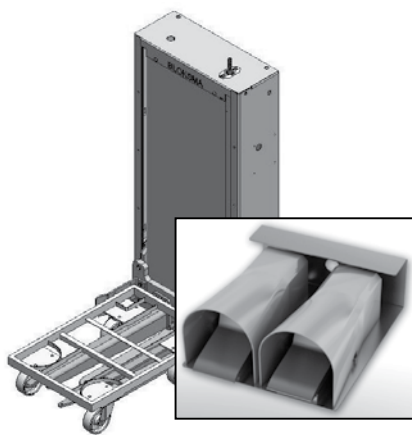
Hand lever on device



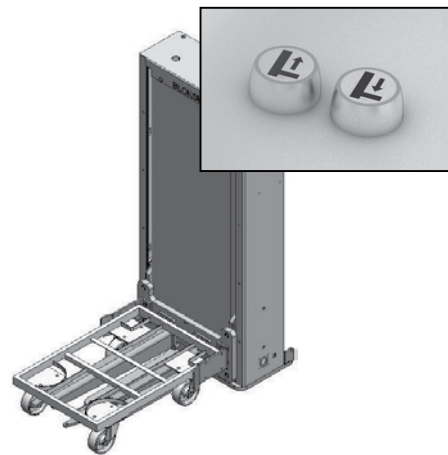
Height detection with sensor (automatic mode)



External control panel



Pedal switch



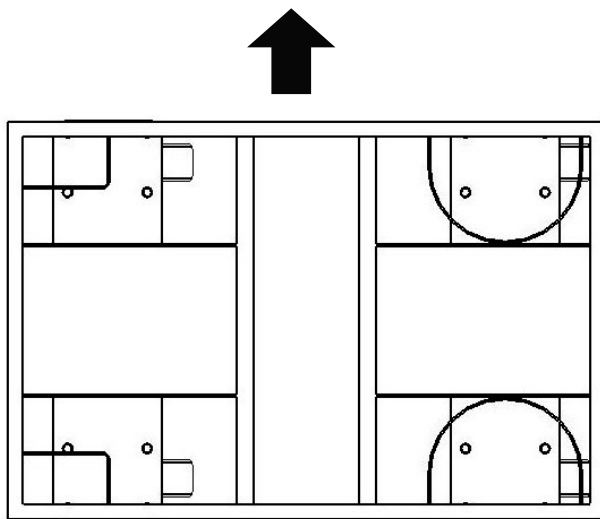
Push button on device

## LOADING DIRECTION OF A LIFTER

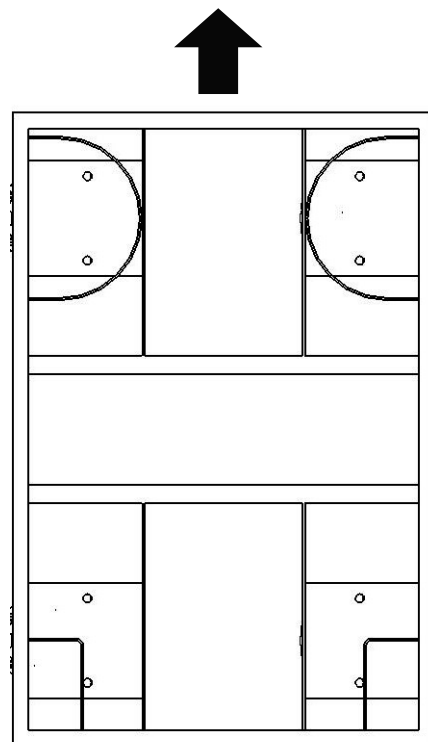
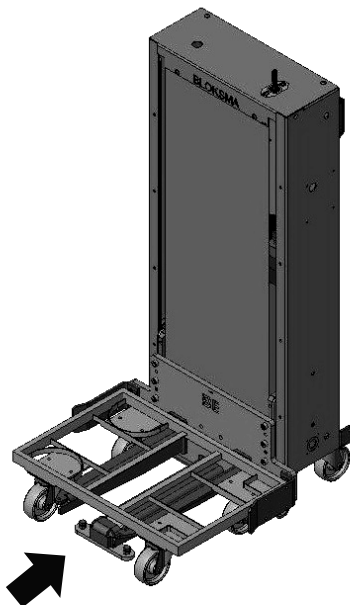
### Definition of lengthwise and crosswise loading

If you push the trolley with the long side onto the fork of the lifter, the loading direction is called **CROSSWISE**.

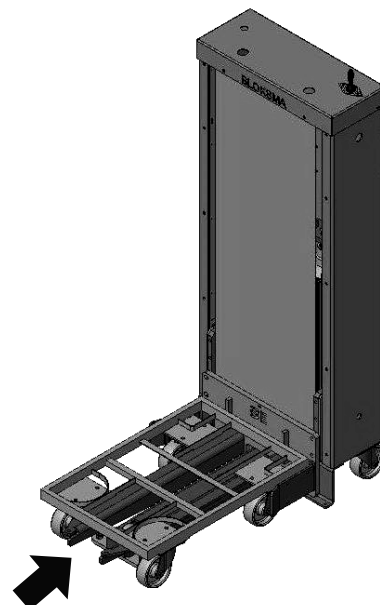
If you push the trolley with the short side onto the fork of the lifter, the loading direction is called **LENGTHWISE**.



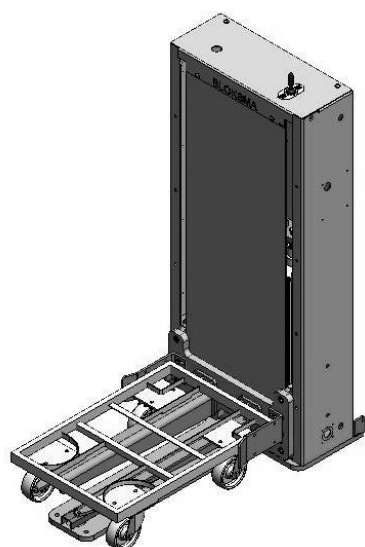
for example: frontloading **crosswise**



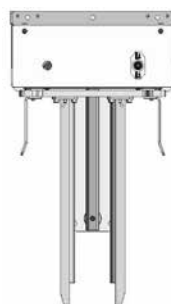
for example: frontloading **lengthwise**



## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

## Pneumatic lifter

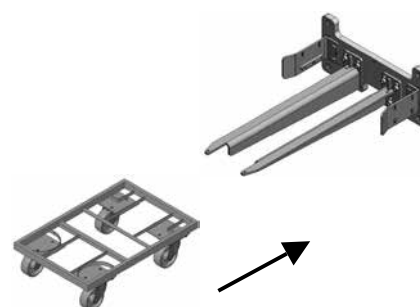
### HPS-F HPT-F HPM-F

Front loading –  
stationary / semi-mobile / mobile  
trolley lengthwise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137003	135031	137051	200 kg	600 x 400	720 mm
137004	137100	134489	200 kg	600 x 400	920 mm
132109	137101	137053	300 kg	600 x 400	720 mm
137006	137102	137054	300 kg	600 x 400	920 mm

137009	137105	137057	500 kg	600 x 400	720 mm
137010	137106	137058	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137011	137107	137059	200 kg	800 x 600	720 mm
137012	137108	137060	200 kg	800 x 600	920 mm
137013	137109	137061	300 kg	800 x 600	720 mm
137038	137110	137062	300 kg	800 x 600	920 mm

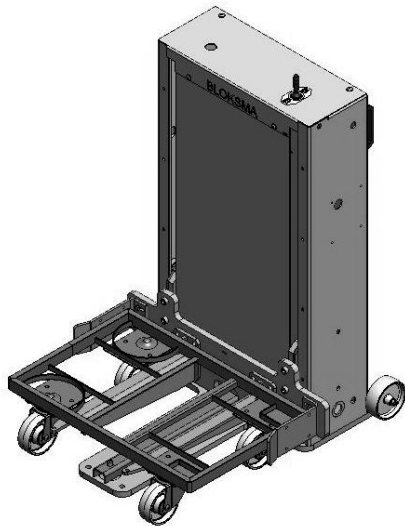
137017	137113	137065	500 kg	800 x 600	720 mm
202719	137114	137066	500 kg	800 x 600	920 mm

**Power demand: Pneumatic 6 bar**

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Illustrated version:  
semi-mobile lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Pneumatic lifter

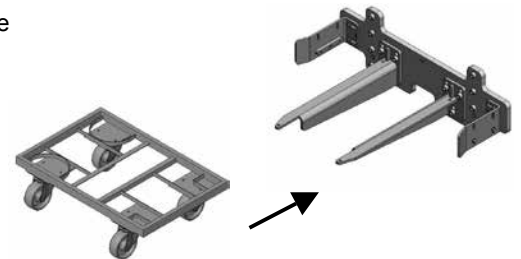
#### HPS-F HPT-F HPM-F

Front loading –  
stationary / semi-mobile / mobile  
trolley crosswise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137027	132977	137075	200 kg	60 x 400	720 mm
137028	137124	137076	200 kg	600 x 400	920 mm
137029	137125	137077	300 kg	600 x 400	720 mm
137030	137126	137078	300 kg	600 x 400	920 mm

137033	137129	137081	500 kg	600 x 400	720 mm
137034	137130	137082	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137035	137131	137083	200 kg	800 x 600	720 mm
137036	137132	137084	200 kg	800 x 600	920 mm
137037	137133	137085	300 kg	800 x 600	720 mm
137014	137134	137086	300 kg	800 x 600	920 mm

137041	137137	137089	500 kg	800 x 600	720 mm
137018	137138	137090	500 kg	800 x 600	920 mm

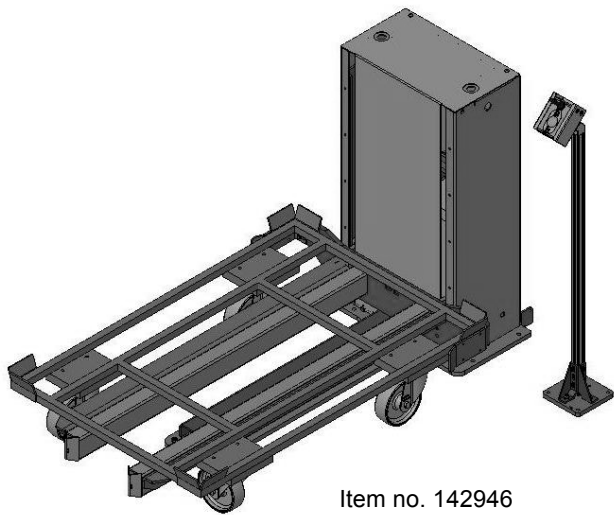
**Power demand: Pneumatic 6 bar**

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.



LIFTERS



Item no. 142946  
Loading with trolley

Pneumatic lifter  
HPS-F

Front loading –  
stationary

For pallet cages or pallets of the size  
1.200 x 800 mm

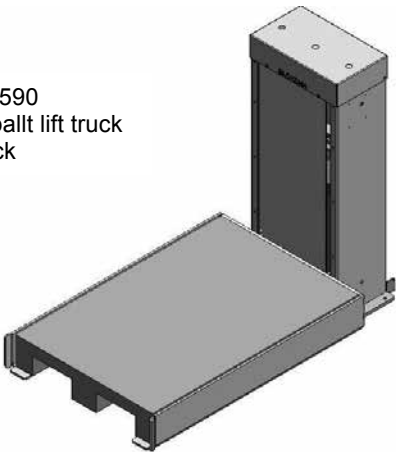
Suitable for ergonomic working at  
assembly working stations, machines

Load capacity up to 500 kg

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

Options:  
automatic height adjustment etc.

Item no. 146590  
Loading by pallet lift truck  
or forklift truck



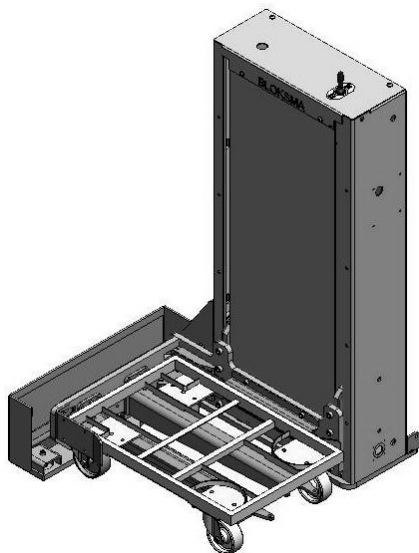
Stationary	Load capacity	Size of trolley mm	Working height above floor level (GOK)
142946	500 kg	1.200 x 800	700 mm
146590	500 kg	1.200 x 800	890 mm

Power demand: Pneumatic 6 bar  
Other models / dimensions / loads as well as control elements on request.

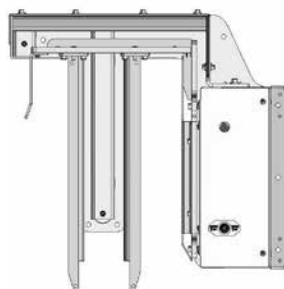
The appearance of the device may deviate from the plotted models.

## NOTES

## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

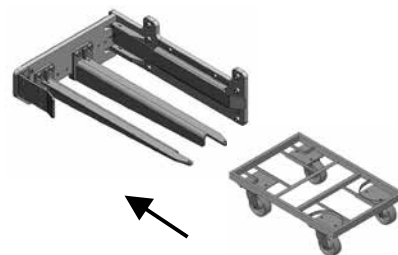
### Pneumatic lifter HPS-R HPT-R HPM-R

Side loading right –  
stationary / semi-mobile / mobile  
trolley lengthwise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137148	133466	137172	200 kg	600 x 400	720 mm
137149	134642	137173	200 kg	600 x 400	920 mm
137150	137198	137174	300 kg	600 x 400	720 mm
136085	137199	137175	300 kg	600 x 400	920 mm

202697	202699	202701	500 kg	600 x 400	720 mm
202698	202700	200702	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
140620	137204	137180	200 kg	800 x 600	720 mm
140621	137205	137181	200 kg	800 x 600	920 mm
140622	137206	137182	300 kg	800 x 600	720 mm
140623	137207	137183	300 kg	800 x 600	920 mm

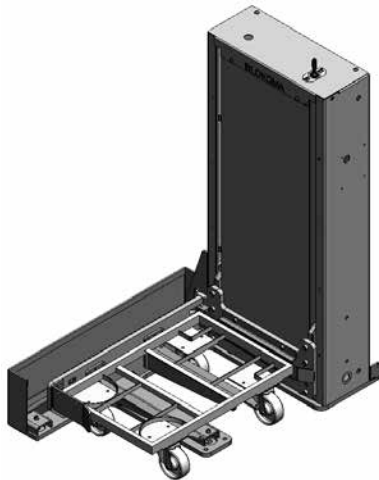
202703	202705	-----	500 kg	800 x 600	720 mm
202704	202706	-----	500 kg	800 x 600	920 mm

**Power demand: Pneumatic 6 bar**

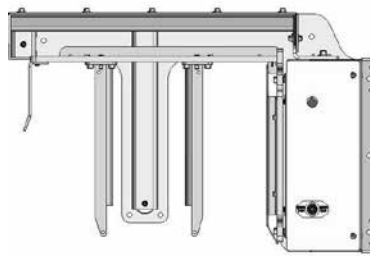
**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Pneumatic lifter

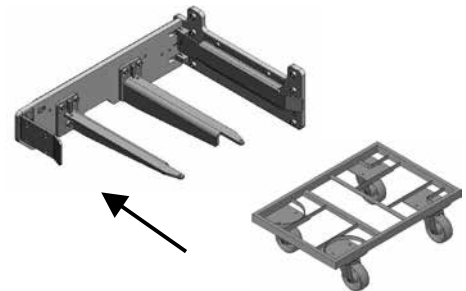
#### HPS-R HPT-R HPM-R

Side loading right –  
stationary / semi-mobile / mobile  
trolley crosswise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
139511	137709	139523	200 kg	600 x 400	720 mm
139512	139635	139524	200 kg	600 x 400	920 mm
139513	139636	139525	300 kg	600 x 400	720 mm
139514	139637	139526	300 kg	600 x 400	920 mm

202709	202711	202713	500 kg	600 x 400	720 mm
202710	202712	202714	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137156	139640	139529	200 kg	800 x 600	720 mm
137157	139641	139530	200 kg	800 x 600	920 mm
137158	139642	-----	300 kg	800 x 600	720 mm
137159	139643	-----	300 kg	800 x 600	920 mm

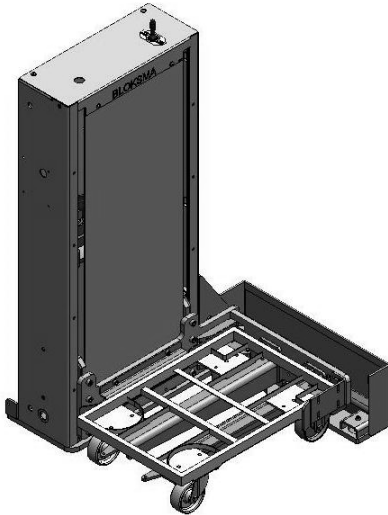
202715	202717	-----	500 kg	800 x 600	720 mm
202716	202718	-----	500 kg	800 x 600	920 mm

**Power demand: Pneumatic 6 bar**

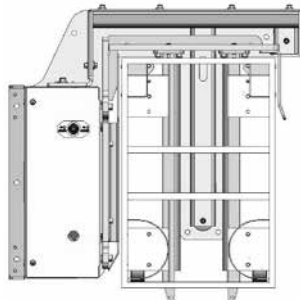
**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Pneumatic lifter

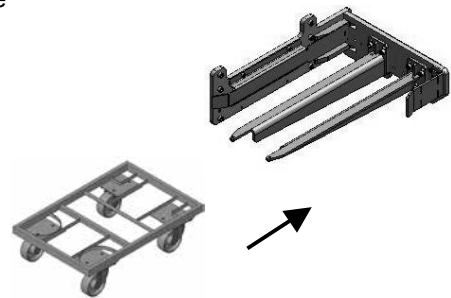
**HPS-L HPT-L HPM-L**

Side loading left –  
stationary / semi-mobile / mobile  
trolley lengthwise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137220	133465	137244	200 kg	600 x 400	720 mm
137221	137269	137245	200 kg	600 x 400	920 mm
137026	137270	137246	300 kg	600 x 400	720 mm
136084	137271	137247	300 kg	600 x 400	920 mm

202721	202723	202725	500 kg	600 x 400	720 mm
202722	202724	202726	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
137276	137228	137252	200 kg	800 x 600	720 mm
137229	137277	137253	200 kg	800 x 600	920 mm
137230	137278	137254	300 kg	800 x 600	720 mm
137231	137279	137255	300 kg	800 x 600	920 mm

202727	202729	-----	500 kg	800 x 600	720 mm
202728	202730	-----	500 kg	800 x 600	920 mm

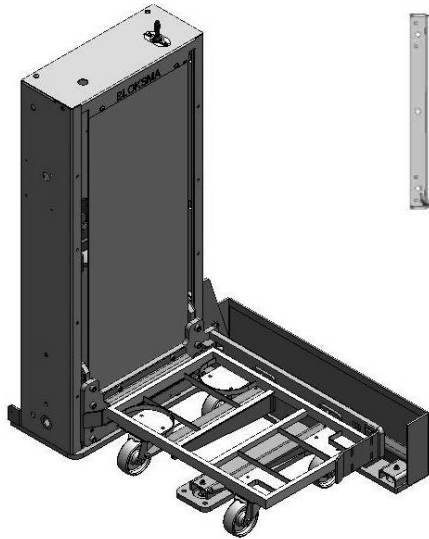
**Power demand: Pneumatic 6 bar**

**Other models / dimensions / loads as well as control elements on request.**

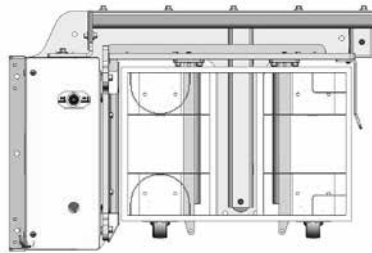
The appearance of the device may deviate from the plotted models.



## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Pneumatic lifter

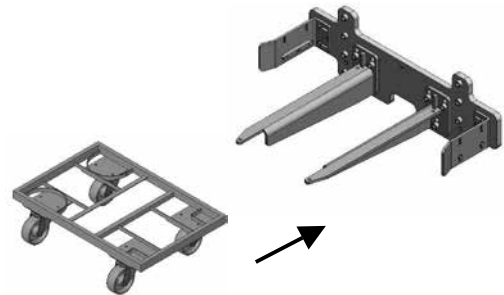
**HPS-L HPT-L HPM-L**

Side loading left –  
stationary / semi-mobile / mobile  
trolley crosswise

Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
139535	137708	139547	200 kg	600 x 400	720 mm
139536	139624	139548	200 kg	600 x 400	920 mm
139537	139625	139549	300 kg	600 x 400	720 mm
139538	139626	139550	300 kg	600 x 400	920 mm

202733	202735	202737	500 kg	600 x 400	720 mm
202734	202736	202738	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
139541	139629	139553	200 kg	800 x 600	720 mm
139542	139630	139554	200 kg	800 x 600	920 mm
139543	139631	-----	300 kg	800 x 600	720 mm
139544	139632	-----	300 kg	800 x 600	920 mm

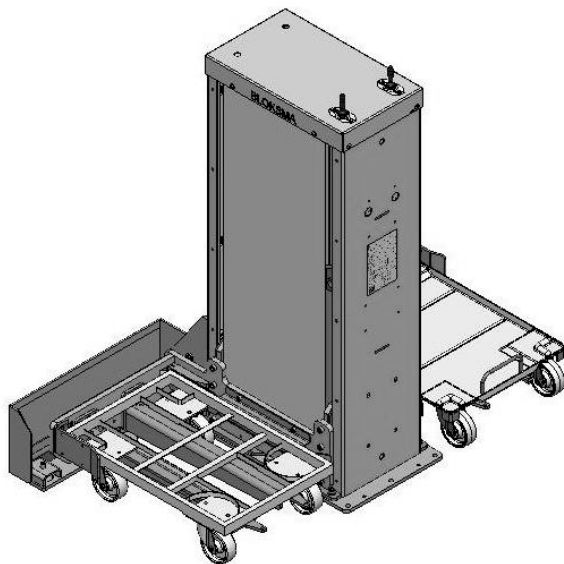
202739	202741	-----	500 kg	800 x 600	720 mm
202740	202742	-----	500 kg	800 x 600	920 mm

**Power demand: Pneumatic 6 bar**

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



### Pneumatic lifter

#### HPS-G

Gemini –  
Stationary

Suitable for Bloksma trolley BOF + BOZ  
(see chapter TROLLEYS)

Designed for ergonomic working at  
assembly work stations and machines

Various load capacities available

Various load carriers available (forks,  
platform, bracket or similar)

Adapted to the trolley to be loaded.

Standard control element

Hand lever on device

(options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.

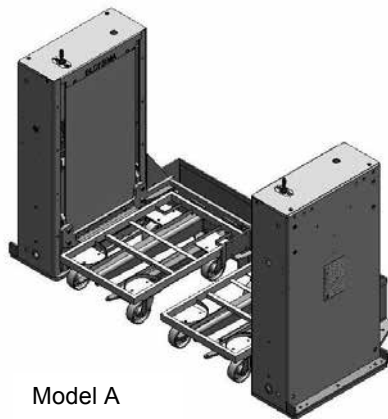
Item no.	Load capacity per lifter	Size of trolley mm	Adaption of trolley / control element	Working height above floor level (GOK)
141869	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	720 mm
142605	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	920 mm
145542	300 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	720 mm
145540	300 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	920 mm

**Power demand: Pneumatic 6 bar**

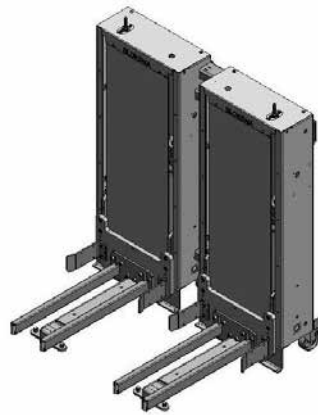
**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Model A



Model B

### Pneumatic lifter HPS-T HPM-T

Tandem – Twin lifter  
stationary / mobile

Suitable for Bloksma trolley BOF + BOZ  
(see chapter TROLLEY)

Designed for ergonomic working at  
assembly work stations and machines

Various load capacities available

Various load carriers available (forks,  
platform, bracket or similar)

Adapted to the trolley to be loaded.

Standard control element

Hand lever on device

(options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment etc.

Difference between  
stationary / mobile  
see overview MOBILITY

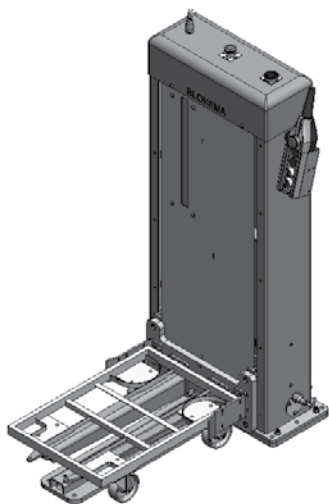
Item no.	Model	Load capacity per lifter	Size of trolley mm	Adaption of trolley / control element	Working height above floor level (GOK)
146599	B	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ semi mobile – control panel	720 mm
146225	B	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	920 mm
130754	B	300 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level + height detection with sensor	920 mm
145319	A	400 kg pro Seite	600 x 400 630 x 430	crossside BOF + BOZ stationary hand level on device	720 mm

**Power demand: Pneumatic 6 bar**

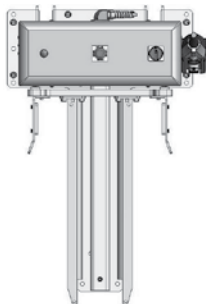
**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



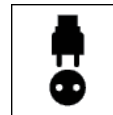
Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

## Electric lifter HES-F HET-F HEM-F

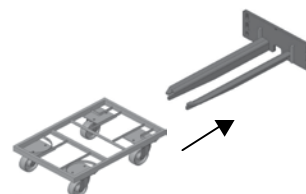
Front loading – stationary /  
semi-mobile / mobile  
trolley lengthwise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141109	141029	142570	200 kg	600 x 400	720 mm
141110	141030	142571	200 kg	600 x 400	920 mm
141111	141031	142572	300 kg	600 x 400	720 mm
141112	141032	142573	300 kg	600 x 400	920 mm

141115	141035	142576	500 kg	600 x 400	720 mm
141116	141036	142577	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141117	141037	142578	200 kg	800 x 600	720 mm
141118	141038	142579	200 kg	800 x 600	920 mm
141119	141039	142580	300 kg	800 x 600	720 mm
141120	141040	142581	300 kg	800 x 600	920 mm

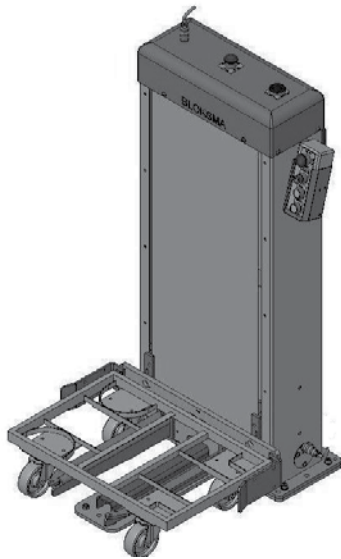
141123	141043	142584	500 kg	800 x 600	720 mm
141124	141044	142585	500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

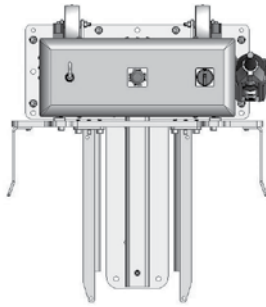
**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Electric lifter HES-F HET-F HEM-F

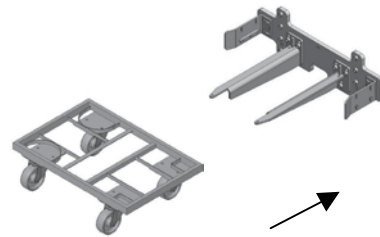
Front loading – stationary /  
semi-mobile / mobile  
trolley crosswise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141125	141045	142555	200 kg	600 x 400	720 mm
141126	141046	142554	200 kg	600 x 400	920 mm
141127	141047	142556	300 kg	600 x 400	720 mm
141128	141048	142557	300 kg	600 x 400	920 mm

141131	141051	142560	500 kg	600 x 400	720 mm
141132	141052	142561	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141133	141053	142562	200 kg	800 x 600	720 mm
141134	141054	142563	200 kg	800 x 600	920 mm
141135	141055	142564	300 kg	800 x 600	720 mm
141136	141056	142565	300 kg	800 x 600	920 mm

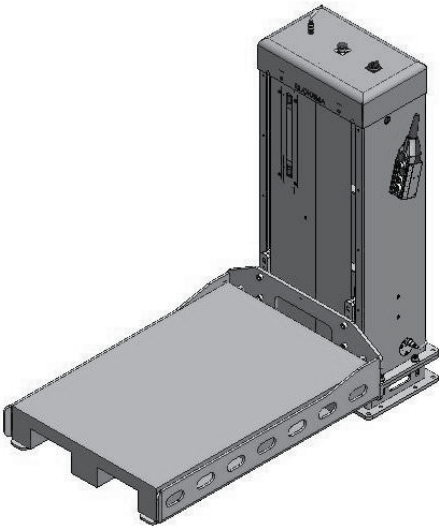
141139	141059	142568	500 kg	800 x 600	720 mm
141140	141060	142569	500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

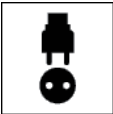
LIFTERS



Item no. 147898  
Loading by pallet lift truck  
or forklift

Electric lifter  
HES-F

Front loading –  
stationary



Suitable for ergonomic working at mounting  
working stations, machines

Load capacity up to 1.000 kg

Standard control element

External control panel

(Options: see Overview CONTROL ELEMENTS

**Options:**  
automatic height adjustment,  
trolley load control etc.



Item no. 202265  
Loading by trolley

Stationary	Load capacity	Size of trolley mm	Working height above floor level (GOK)
147898	1.000 kg	1.200 x 800	920 mm
202265	600 kg	1.200 x 800	920 mm

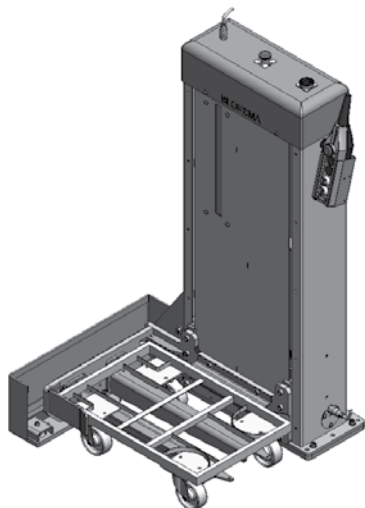
**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**  
**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

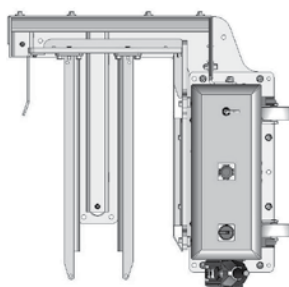


## NOTES

## LIFTERS



Illustrated version:  
stationary lifter

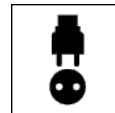


Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Electric lifter

#### HES-R HET-R HEM-R

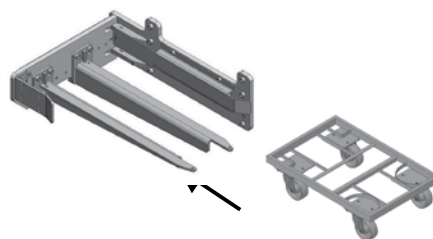
Side loading right –  
stationary / semi-mobile /  
mobile  
trolley lengthwise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141141	141061	142540	200 kg	600 x 400	720 mm
141142	141062	142541	200 kg	600 x 400	920 mm
141143	141063	142542	300 kg	600 x 400	720 mm
141144	141064	142543	300 kg	600 x 400	920 mm

202745	202747	202749	500 kg	600 x 400	720 mm
202746	202748	202750	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141147	141067	142544	200 kg	800 x 600	720 mm
141148	141068	142545	200 kg	800 x 600	920 mm
141149	141069	142546	300 kg	800 x 600	720 mm
141150	141070	142547	300 kg	800 x 600	920 mm

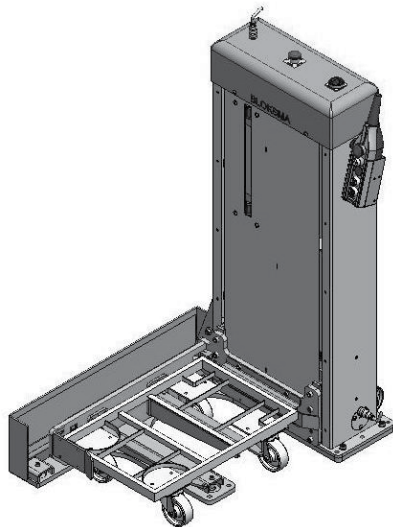
202751	202753	-----	500 kg	800 x 600	720 mm
202752	202754	-----	500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

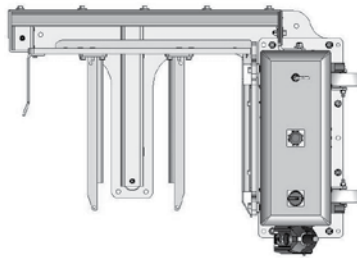
**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



Illustrated version:  
semi-mobile lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Electric lifter HES-R HET-R HEM-R

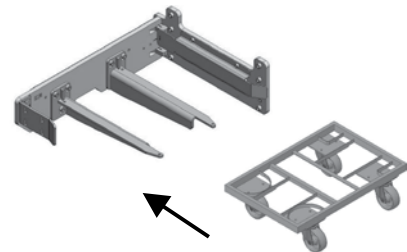
Side loading right –  
stationary / semi-mobile /  
mobile  
trolley crosswise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141153	141073	142532	200 kg	600 x 400	720 mm
141154	141074	142533	200 kg	600 x 400	920 mm
141155	141075	142534	300 kg	600 x 400	720 mm
141156	141076	142535	300 kg	600 x 400	920 mm

202758	202760	202762	bis 500 kg	600 x 400	720 mm
202759	202761	202763	bis 500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141159	141079	142536	200 kg	800 x 600	720 mm
141160	141080	142537	200 kg	800 x 600	920 mm
141161	141081	-----	300 kg	800 x 600	720 mm
141162	141082	-----	300 kg	800 x 600	920 mm

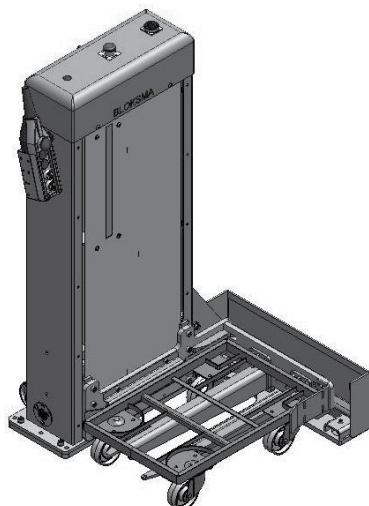
202764	202766	-----	bis 500 kg	800 x 600	720 mm
202765	202767	-----	bis 500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

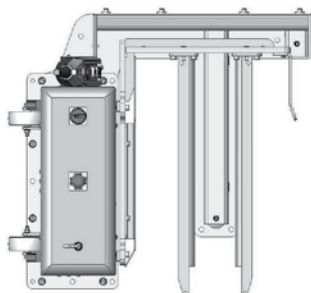
**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



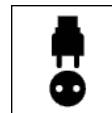
Illustrated version:  
stationary lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

### Electric lifter HES-L HET-L HEM-L

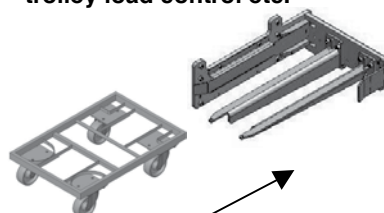
Side loading left –  
stationary / semi-mobile /  
mobile  
trolley lengthwise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141165	141085	142524	200 kg	600 x 400	720 mm
141166	141086	142525	200 kg	600 x 400	920 mm
141167	141087	142526	300 kg	600 x 400	720 mm
141168	141088	142527	300 kg	600 x 400	920 mm

202770	202772	202774	500 kg	600 x 400	720 mm
202771	202773	202775	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141171	141091	142528	200 kg	800 x 600	720 mm
141172	141092	142529	200 kg	800 x 600	920 mm
141173	141093	142530	300 kg	800 x 600	720 mm
141174	141094	142531	300 kg	800 x 600	920 mm

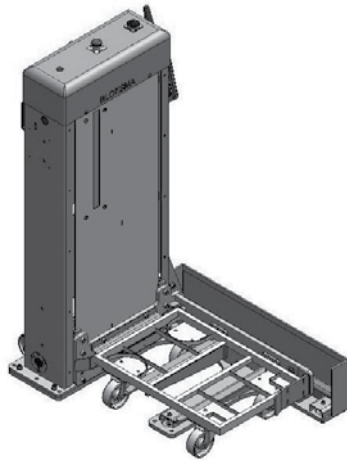
202776	202778	-----	500 kg	800 x 600	720 mm
202777	202779	-----	500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

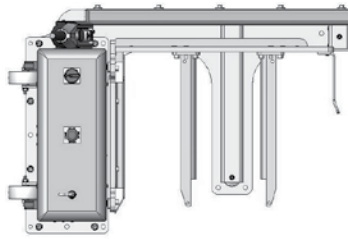
**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



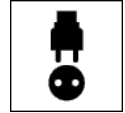
Illustrated version:  
semi-mobile lifter



Difference between  
stationary / semi-mobile / mobile  
see overview MOBILITY

## Electric lifter HES-L HET-L HEM-L

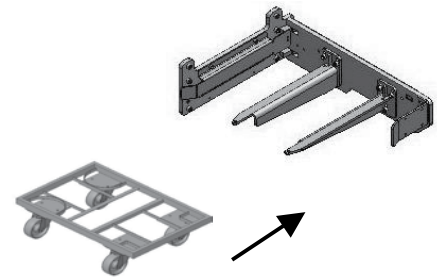
Side loading left –  
stationary / semi-mobile /  
mobile  
trolley crosswise



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Standard control element  
Hand lever on device  
(Options see Overview CONTROL ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.



Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141177	141097	142516	200 kg	600 x 400	720 mm
141178	141098	142517	200 kg	600 x 400	920 mm
141179	141099	142518	300 kg	600 x 400	720 mm
141180	141100	142519	300 kg	600 x 400	920 mm

202782	202784	202786	500 kg	600 x 400	720 mm
202783	202785	202787	500 kg	600 x 400	920 mm

Stationary	Semi-mobile	Mobile	Load capacity	Size of trolley mm	Working height above floor level (GOK)
141183	141103	142520	200 kg	800 x 600	720 mm
141184	141104	142521	200 kg	800 x 600	920 mm
141185	141105	-----	300 kg	800 x 600	720 mm
141186	141106	-----	300 kg	800 x 600	920 mm

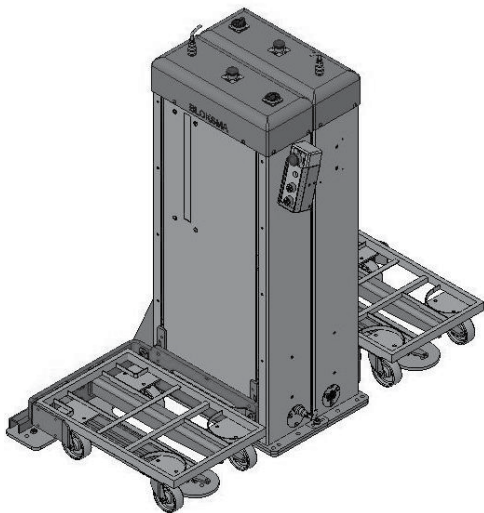
202788	202790	-----	500 kg	800 x 600	720 mm
202789	202791	-----	500 kg	800 x 600	920 mm

**Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)**

**Other models / dimensions / loads / lifting speeds as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

LIFTERS



Item no. 142609

Electric lifter  
HES-G

Gemini –  
stationary



Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Designed for ergonomic working at assembly  
work stations and machines

Standard control element  
Hand lever on device  
(Options see Overview CONTROL ELEMENTS)

**Options:**  
automatic height adjustment,  
trolley load control etc.

Item no.	Load capacity per lifter	Size of trolley mm	Adaption of trolley / control element	Working height above floor level (GOK)
142609	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary hand level on device	920 mm
145147	300 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary hand level on device	920 mm

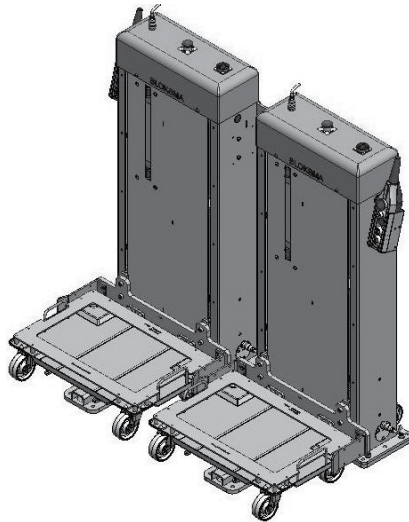
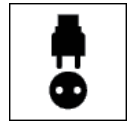
**Power demand: Pneumatic 6 bar**  
**Other models / dimensions / loads as well as control elements on request.**  
The appearance of the device may deviate from the plotted models.



## LIFTERS

### Electric lifter HES-T

Tandem – Twin lifter  
stationary / mobile



Item no. 201171

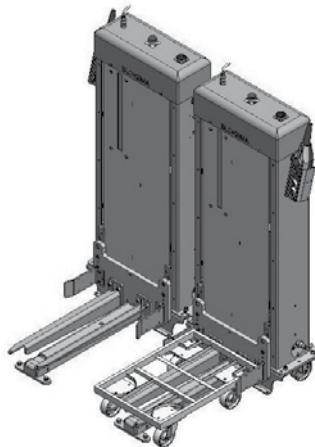
Suitable for Bloksma trolley  
BOF + BOZ (see chapter TROLLEYS)

Designed for ergonomic working at  
assembly work stations and machines

Various load capacities available

Standard control element  
Hand lever on device  
(Options see Overview CONTROL  
ELEMENTS)

**Options:**  
**automatic height adjustment,**  
**trolley load control etc.**



Item no. 147827

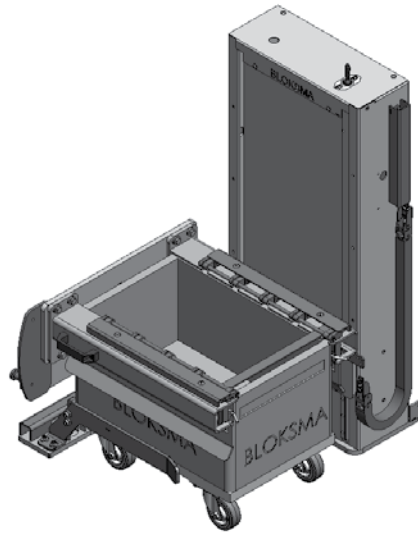
Item no.	Load capacity per lifter	Size of trolley mm	Adaption of trolley / control element	Working height above floor level (GOK)
201171	200 kg each side	600 x 400 630 x 430	crossside BOF + BOZ stationary hand level on device	920 mm
147827	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary hand level on device	920 mm

**Power demand: Pneumatic 6 bar**

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## LIFTERS



## Lifters Further options I

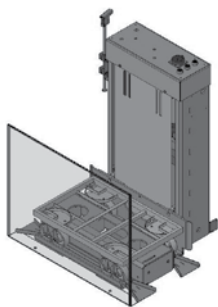
Further lifters will be manufactured individually according to your request and requirement.

Power: Optional pneumatic or electric.  
Some lifters also hydraulically or battery operated.

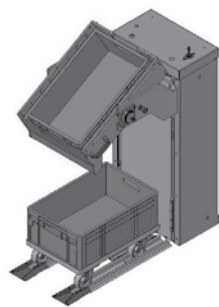
Item no. 147549  
lifter for tilting



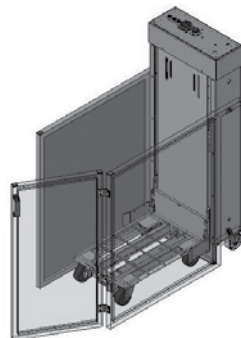
Item no. 135058  
lifter with tilting unit



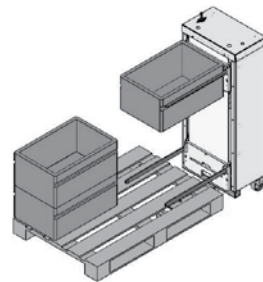
Item no. 135561  
for driving through



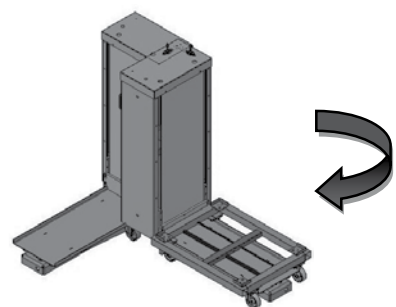
Item no. 139320  
for tilting



Item no. 140656  
with housing – safety door



Item no. 130730  
for shifting KLT



Item no. 201866  
can be rotated up to 360°

**Other models / dimensions / loads as well as control elements on request.**

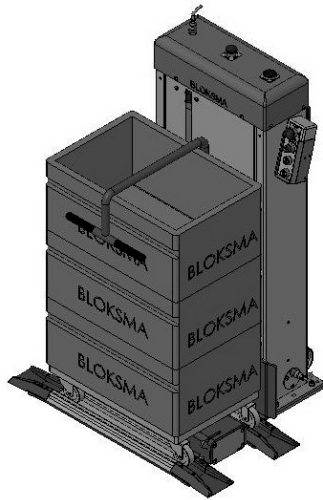
The appearance of the device may deviate from the plotted models.

## LIFTERS

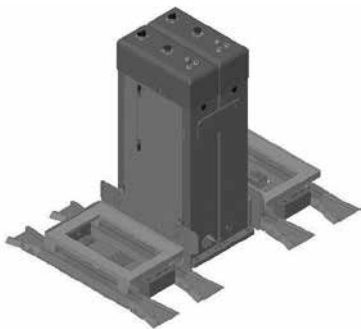
### Lifters Further options II

Further lifters will be manufactured individually according to your request and requirement.

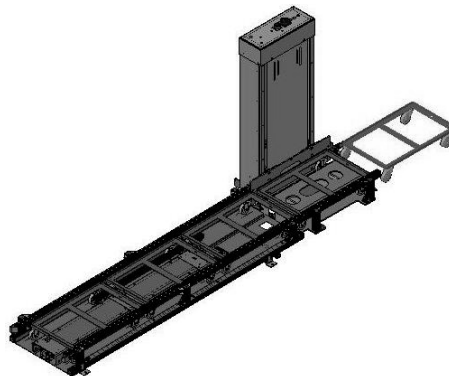
Power: Optional pneumatic or electric.  
Some lifters also hydraulically or battery operated.



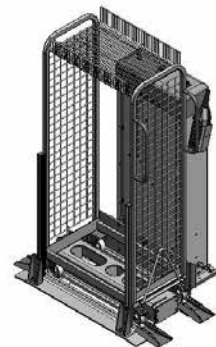
Item no. 145630  
lifter for driving through



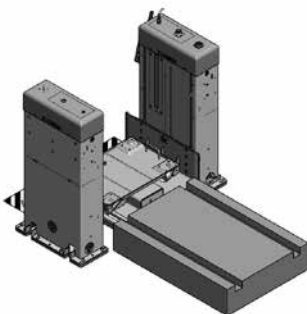
Item no. 200769  
lifter – can be passed from both sides



Item no. 135963  
lifter with work cycle line



Item no. 147590  
lifter for high boxes



Item no. 200799  
deposit to a platform

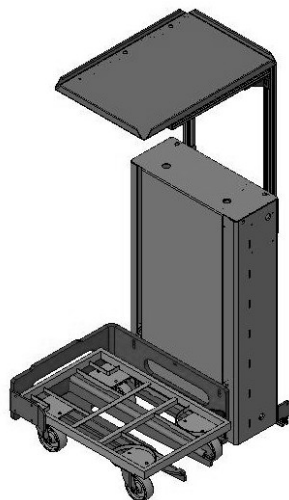


Item no. 145547  
for tilting containers

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

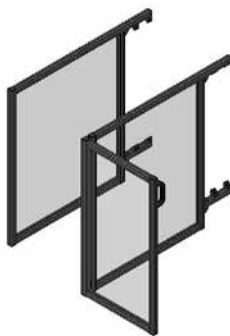
## LIFTERS



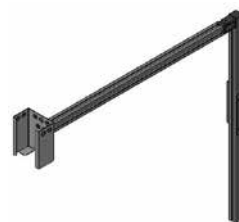
with KLT storage



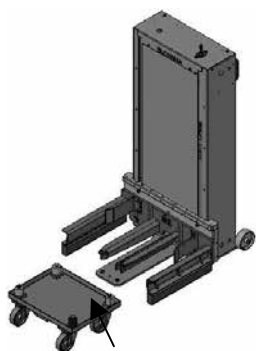
with protective housing



with protective housing  
with security door



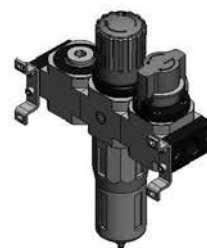
with swivel bracket for panels



bumper – shut off bar



safety mat



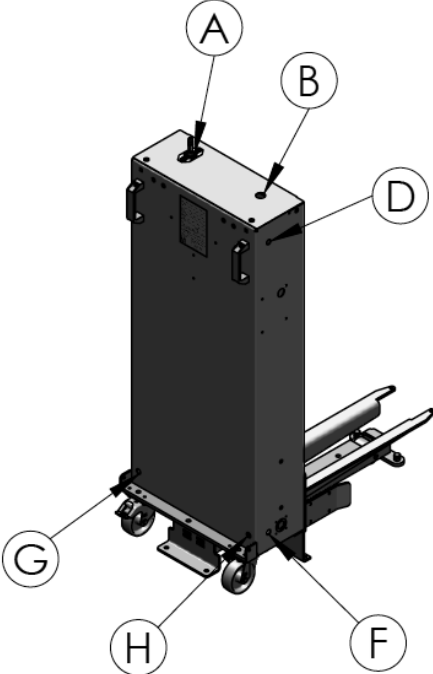
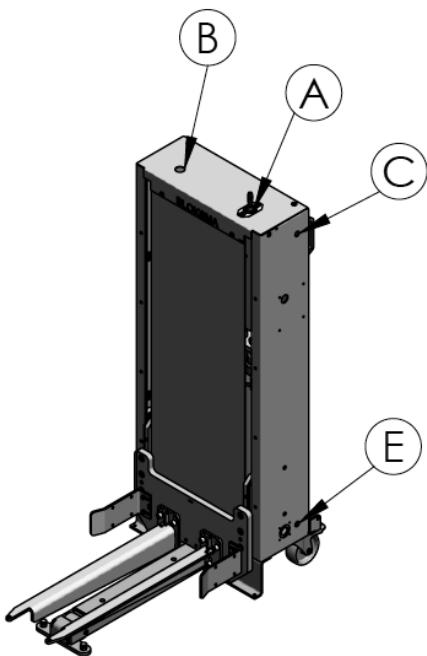
maintenance unit

**Other models / dimensions / loads as well as control elements on request.**

The appearance of the device may deviate from the plotted models.

## Lifter Accessories

**DATA SHEET / CONNECTION VERSIONS**  
**Pneumatic lifters – front loading**



**Standard:**

Surface powder coated RAL 9010  
Load carrier zinc coated  
Hand lever position A  
Air connection position E  
Pneumatic 6 bar

**Possible position hand lever**

A: top right  
B: top left  
C: side top right  
D: side top left

**Possible position air connection**

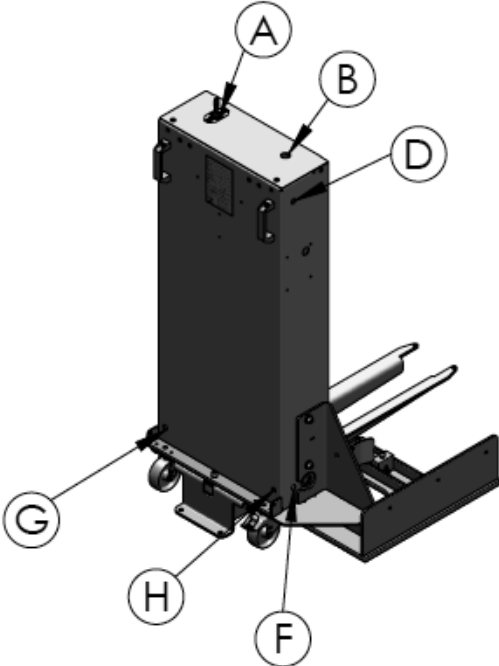
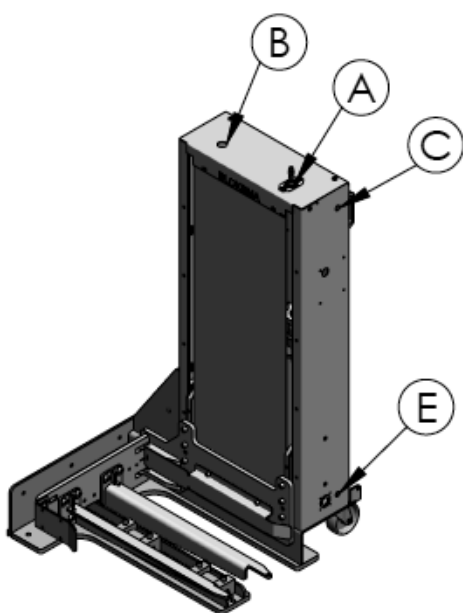
A: top right  
B: top left  
C: side top right  
D: side top left  
E: side bottom right  
F: side bottom left  
G: back bottom right  
H: back bottom left

mögliche Handhebelpositionen  
possible position hand lever

mögliche Luftanschlüsse  
possible position air connection

	A	B	C	D	E	F	G	H
A	/	X	X	X	X	X	X	X
B	X	/	X	X	X	X	X	X
C	X	X	/	X	X	X	X	X
D	X	X	X	/	X	X	X	X

DATA SHEET / CONNECTION VERSIONS  
Pneumatic lifters – side loading right



**Standard:**  
Surface powder coated RAL 9010  
Load carrier zinc coated  
Hand lever position A  
Air connection position E  
Pneumatic 6 bar

**Possible position hand lever**  
A: top right  
B: top left  
C: side top right  
D: side top left

**Possible position air connection**  
A: top right  
B: top left  
C: side top right  
D: side top left  
E: side bottom right  
F: side bottom left  
G: back bottom right  
H: back bottom left

mögliche Handhebelpositionen  
possible position hand lever

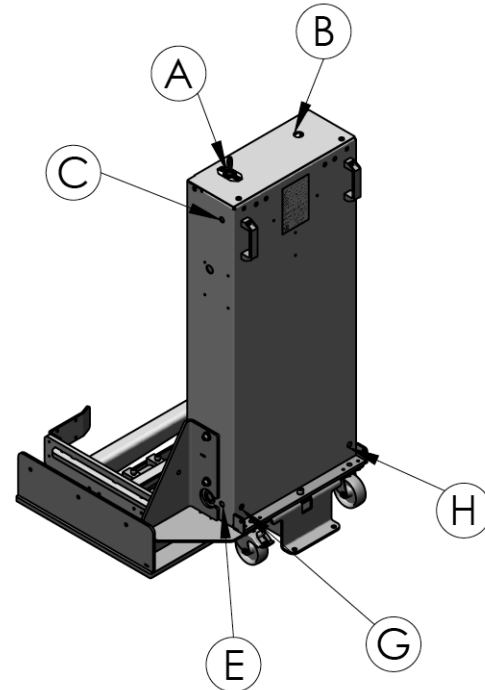
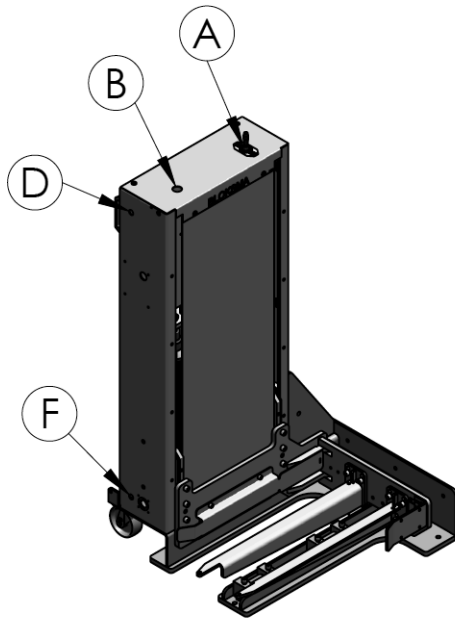
mögliche Luftanschlüsse  
possible position air connection

	A	B	C	D	E	F	G	H
A	/	X	X	X	X	X	X	X
B	X	/	X	X	X	X	X	X
C	X	X	/	X	X	X	X	X
D	X	X	X	/	X	X	X	X



## DATA SHEET / CONNECTION VERSIONS

### Pneumatic lifters – side loading left



#### Standard:

Surface powder coated RAL 9010  
Load carrier zinc coated  
Hand lever position A  
Air connection position E  
Pneumatic 6 bar

#### Possible position hand lever

A: top right  
B: top left  
C: side top right  
D: side top left

#### Possible position air connection

A: top right  
B: top left  
C: side top right  
D: side top left  
E: side bottom right  
F: side bottom left  
G: back bottom right  
H: back bottom left

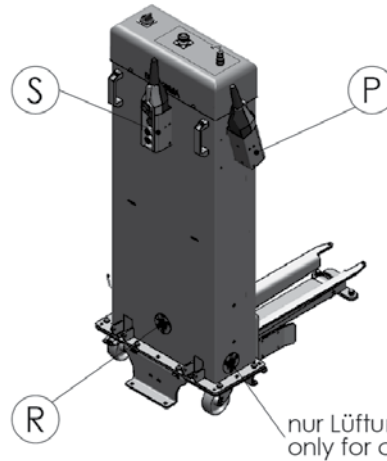
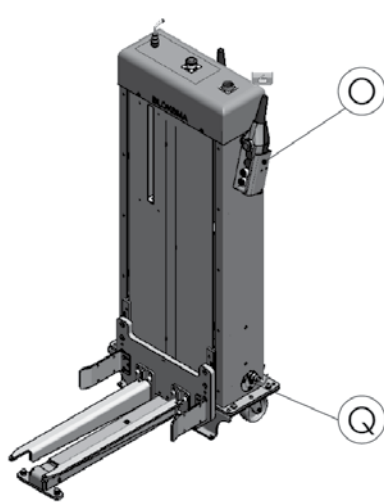
mögliche Handhebelpositionen  
possible position hand lever

mögliche Luftanschlüsse  
possible position air connection

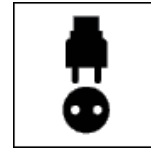
	A	B	C	D	E	F	G	H
A	/	X	X	X	X	X	X	X
B	X	/	X	X	X	X	X	X
C	X	X	/	X	X	X	X	X
D	X	X	X	/	X	X	X	X

## DATA SHEET / CONNECTIONS VERSIONS

### Electric lifter – front loading



mögliche Bedienpanelposition  
operating panel position



Stromanschluß 230V  
electrical connection 230V

	Q	R
O	X	X
P	X	X
S	X	X

nur Lüftung für Motor  
only for cooling motor

#### Standard

Surface powder coated RAL 9010  
Cover RAL 4006  
Load carrier zinc coated  
Operating panel position "O"  
Electrical connection position "Q"  
Electrical connection with 2,5 m cable  
Connection to external operating  
Panel with 3,5 m cable

#### Possible position operating panel

O: top right  
P: top left  
S: back top centre

#### Electrical connection 230V/50Hz

Q: side bottom right  
R: back bottom centre

#### Main switch on the lifter top right

#### Emergency stop button

on the lifter top centre  
and on the operating panel

externes Bedienpanel /  
external operating panel

NOT-AUS-Pilz /  
emergency stop button

Drucktaster "HEBEN" /  
push-button "push up"  
(beleuchtet weiß /  
luminous white)

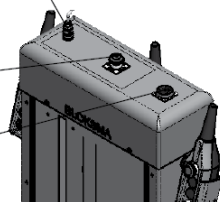
Drucktaster "SENKEN" /  
push-button "push down"  
(beleuchtet weiß /  
luminous white)



Anschluß zum Bedienpanel /  
connection to external  
operating panel

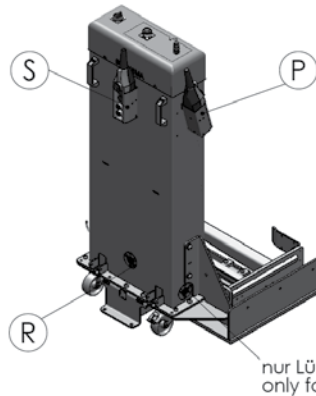
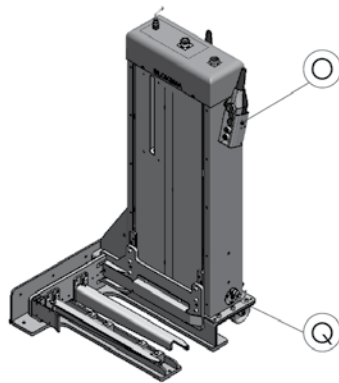
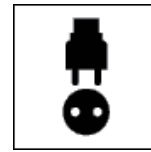
NOT-AUS-Pilz /  
emergency stop button

Hauptschalter /  
main switch



## DATA SHEET / CONNECTIONS VERSIONS

### Electric lifter – side loading right



mögliche Bedienpanelposition  
operating panel position

Stromanschluß 230V  
electrical connection 230V

	Q	R
O	X	X
P	X	X
S	X	X

#### Standard

Surface powder coated RAL 9010  
Cover RAL 4006  
Load carrier zinc coated  
Operating panel position "O"  
Electrical connection position "Q"  
Electrical connection with 2,5 m cable  
Connection to external operating  
Panel with 3,5 m cable

#### Possible position operating panel

O: top right  
P: top left  
S: back top centre

#### Electrical connection 230V/50Hz

Q: side bottom right  
R: back bottom centre

#### Main switch on the lifter top right

#### Emergency stop button

on the lifter top centre  
and on the operating panel

externes Bedienpanel /  
external operating panel

NOT-AUS-Pilz /  
emergency stop button

Drucktaster "HEBEN" /  
push-button "push up"  
(beleuchtet weiß /  
luminous white)

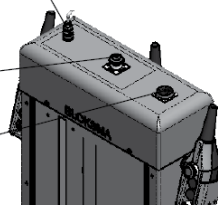
Drucktaster "SENKEN" /  
push-button "push down"  
(beleuchtet weiß /  
luminous white)



Anschluß zum Bedienpanel /  
connection to external  
operating panel

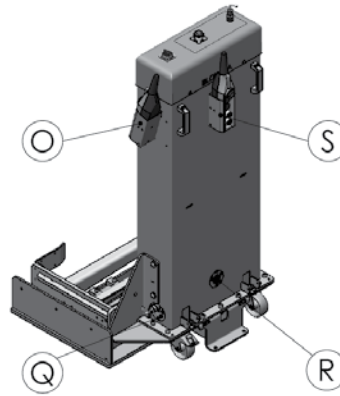
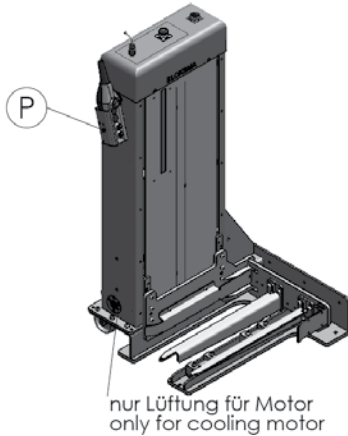
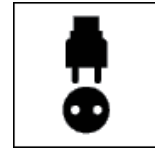
NOT-AUS-Pilz /  
emergency stop button

Hauptschalter /  
main switch



## DATA SHEET / CONNECTIONS VERSIONS

### Electric lifter – side loading left



mögliche Bedienpanelposition  
operating panel position

Stromanschluß 230V  
electrical connection 230V

	Q	R
O	X	X
P	X	X
S	X	X

#### Standard

Surface powder coated RAL 9010  
Cover RAL 4006  
Load carrier zinc coated  
Operating panel position "O"  
Electrical connection position "Q"  
Electrical connection with 2,5 m cable  
Connection to external operating  
Panel with 3,5 m cable

externes Bedienpanel /  
external operating panel

NOT-AUS-Pilz /  
emergency stop button

Drucktaster "HEBEN" /  
push-button "push up"  
(beleuchtet weiß /  
luminous white)

Drucktaster "SENKEN" /  
push-button "push down"  
(beleuchtet weiß /  
luminous white)



#### Possible position operating panel

O: top right

P: top left

S: back top centre

#### Electrical connection 230V/50Hz

Q: side bottom right

R: back bottom centre

#### Main switch on the lifter top right

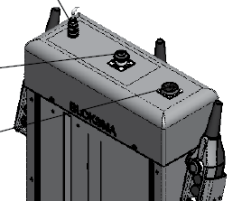
#### Emergency stop button

on the lifter top centre  
and on the operating panel

Anschluß zum Bedienpanel /  
connection to external  
operating panel

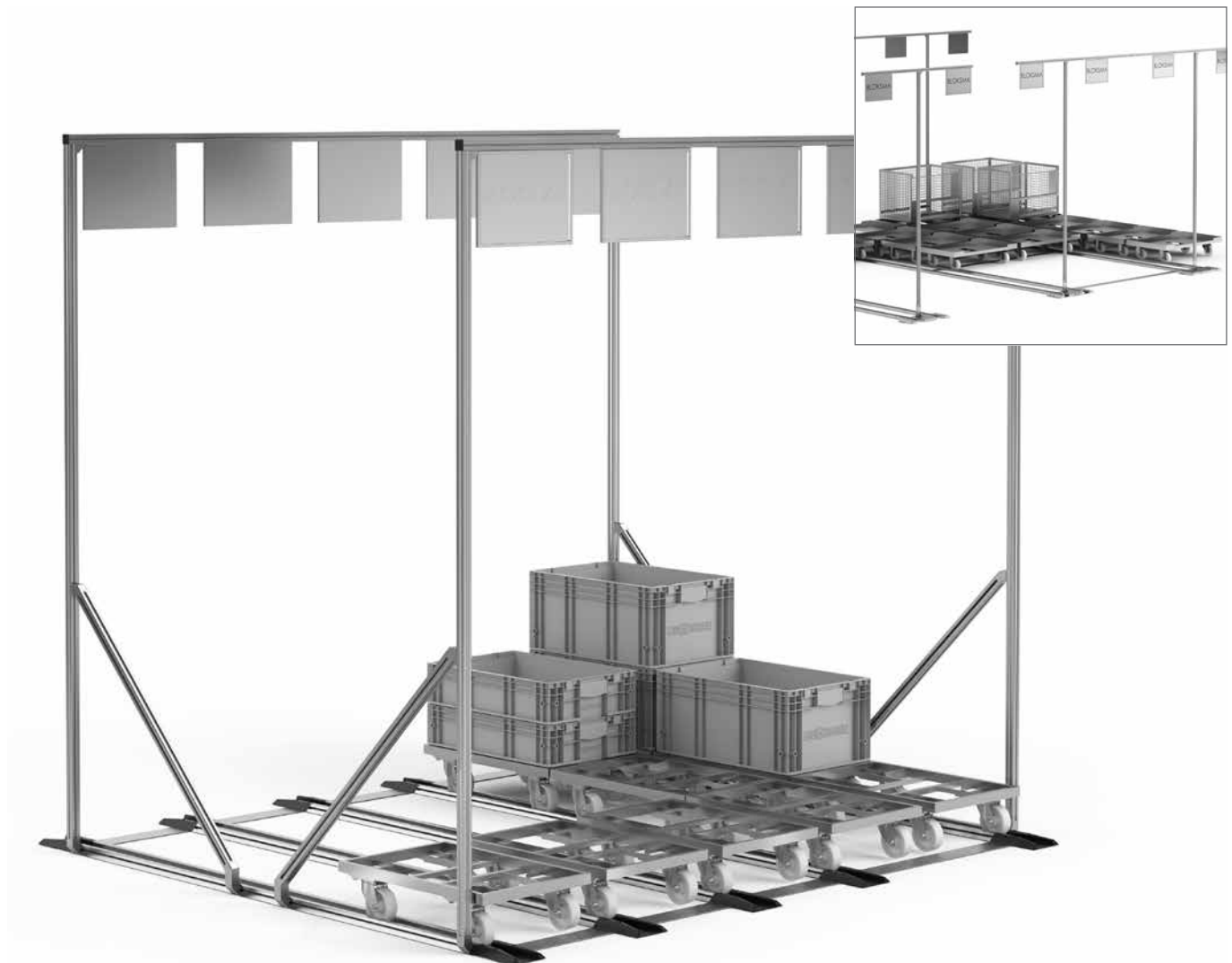
NOT-AUS-Pilz /  
emergency stop button

Hauptschalter /  
main switch



## NOTES

## SUPERMARKETS



### Tailormade and demand-oriented provision for a flowing production.

**BLOKSMA supermarkets are designed for the need-oriented provision of goods – clearly arranged and in the right quantity. What would you like?**

Goods for daily needs can be purchased at the supermarket. In modern companies this term is used to describe areas in which all required material for production is provided and supplied. On the basis of the First-in-First-out-principle and Kanban-planning the supermarkets by BLOKSMA fulfil a multitude of the most diverse requirements. Primarily, they ensure in the smallest of

spaces quick access to goods which are stored on trolleys and intended for immediate consumption. Here again we are your partner for everyday solutions and also for special ones.

All our supermarket components have a modular structure and are tailormade exactly to your requirements – with helpful additional elements and comfortable details.



## SUPERMARKET

## Produkt Overview

We design your supermarket – and deliver it pre-customized!  
Alternatively, you can purchase single components as well.



### Supermarket – Alu guide rail G3

ZUB SW 41 mm  
ZUB SW 52 mm

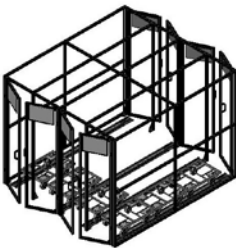
75



### Supermarket – Steel guide rail G2

ZUB SW 42 mm  
ZUB SW 52 mm

87



### Supermarket – with housing / superstructure

ZUB

95



### Accessories for supermarkets

BBA Labeling

96



### Trolley parking

ZPA

105

## CHECKLIST SUPERMARKET

Features of the supermarket

**G3 Aluminium**

**G2 Steel**



**Generation**

☐ G3 (Aluminium)

☐ G2 (Steel)

**Track**

☐ 41 mm (G3)

☐ 42 mm (G2)

☐ 52 mm (G2-G3)

☐ 95 mm (G2 special)

☐ special version

**Number of trolleys next to each other**

pieces

**Number of trolleys one behind another**

pieces

Features of the trolley

**Item No. / Brand**

**Length**

mm

**Width**

mm

**SPW insertion direction**  
(distance between wheels)

mm

**Wheel diameter**

mm

**Wheel width**

mm

**Brake**

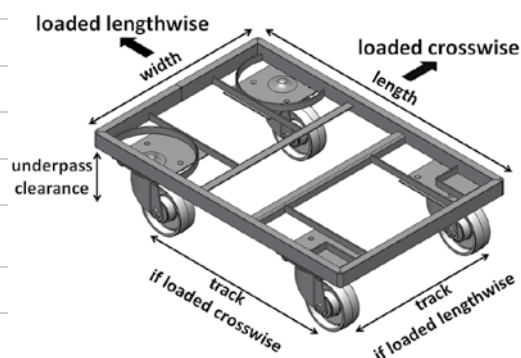
☐ YES

☐ NO

**Wheel pairing**

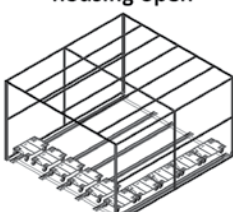
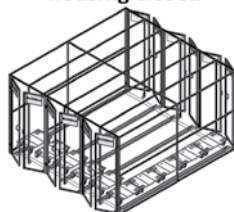
☐ 2 swivel /  
2 fixed castors

☐ 4 swivel castors



housing closed

housing open



Labeling

B

K

H

P

**Housing**

☐ open

☐ closed

☐ without housing

**Label**

☐ one-sided

☐ double-sided

☐ without labelling

**Label type**

☐ H

☐ P

☐ K

☐ B

**Label size**

☐ DIN A3

☐ DIN A4

☐ DIN A5

**Label colour**

☐ blue

☐ yellow

☐ green

☐ red

☐ white

☐ black

**Label amount**

pieces

**Label height**

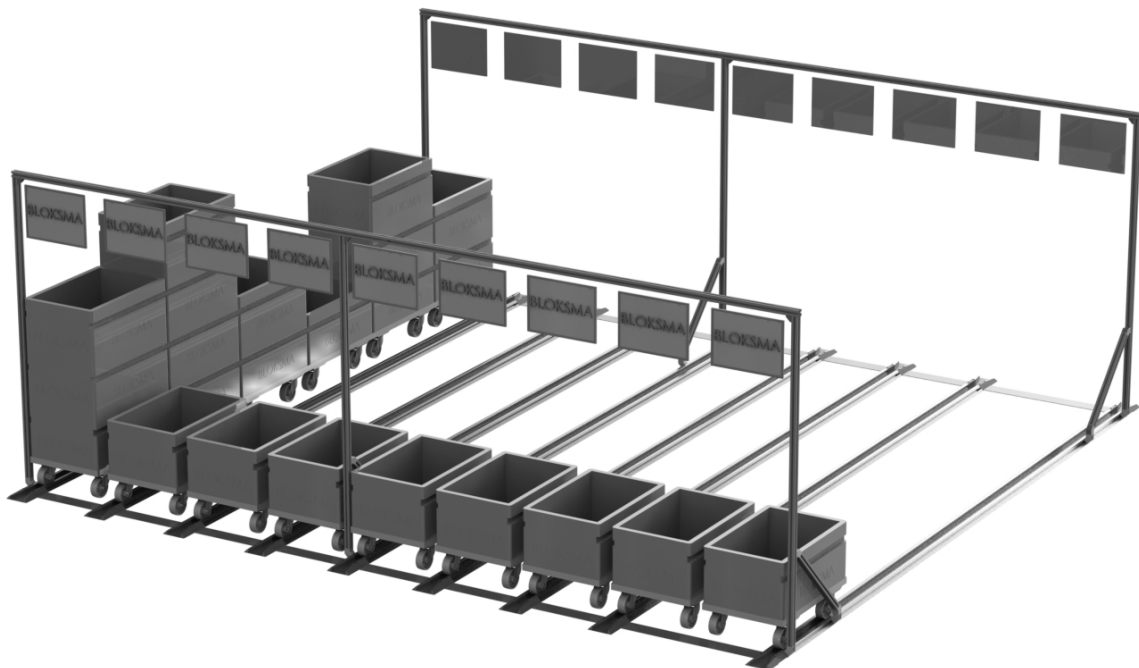
mm (vertical module)

**Additional comments**

## **SUPERMARKET ALU GUIDE RAIL SYSTEM G3**

**Wheel guidance on one side – Monorail system**

For trolleys with wheel width up to 40 mm

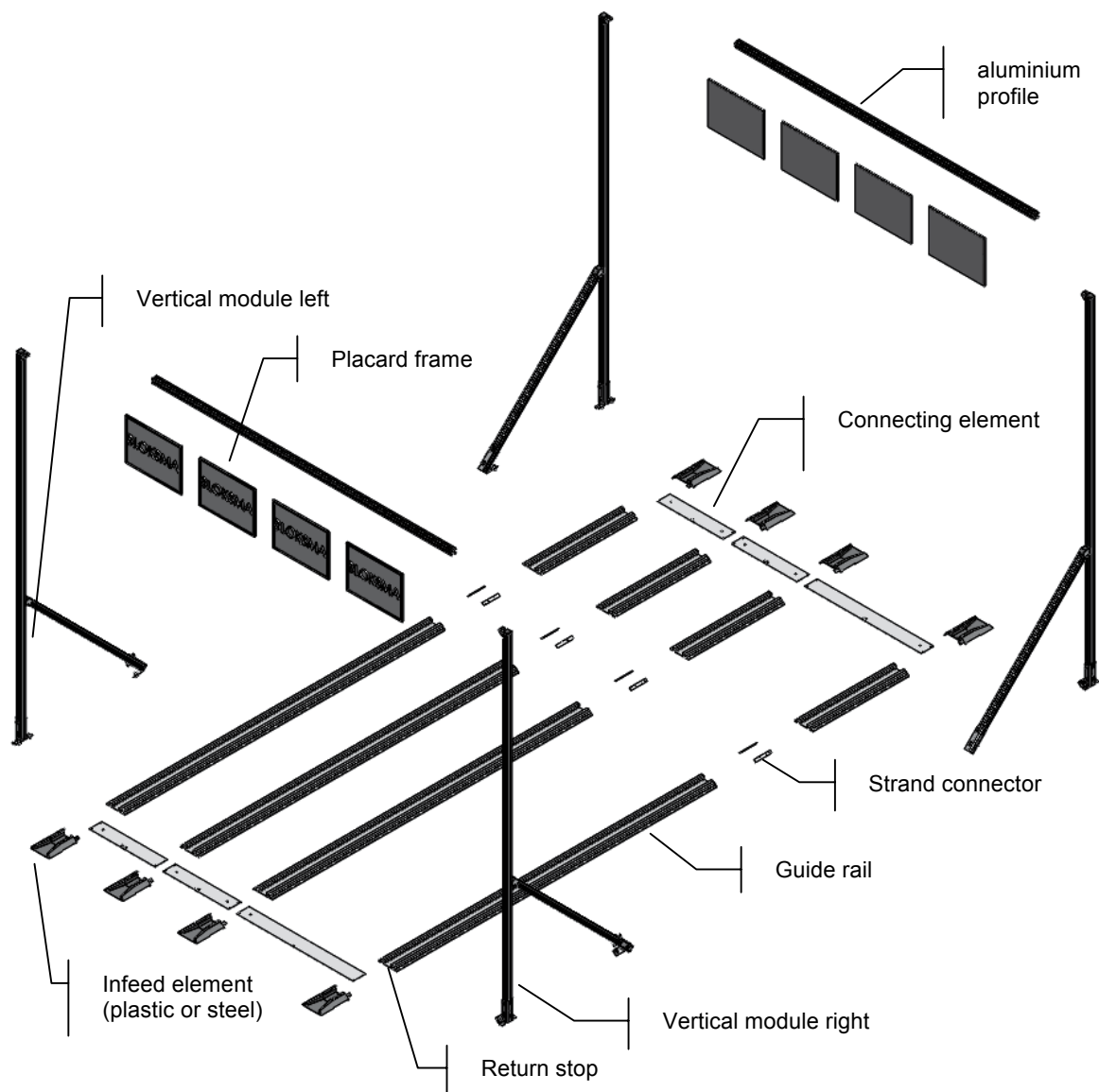


Supermarket monorail system:

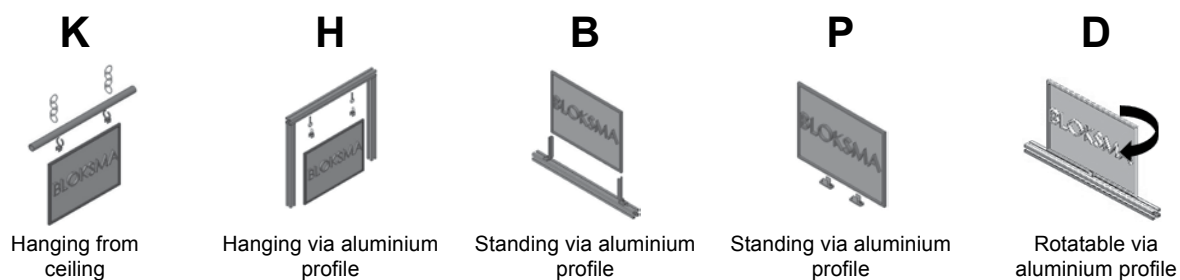
- ✓ Optimal and visual overview
- ✓ Standardized FIFO and KANBAN supermarket systems
- ✓ Ensures exact positioning of the material close to where it is used
- ✓ Modular system – hence expandable
- ✓ Can also be installed under existing shelf setups
- ✓ Missing parts can be seen immediately
- ✓ Control – no more overproduction

## SUPERMARKET G3 – ALUMINIUM SYSTEM ALUMINIUM RAIL SYSTEM

G3 SW 41  
**Supermarket**  
G3 – Steel Structure

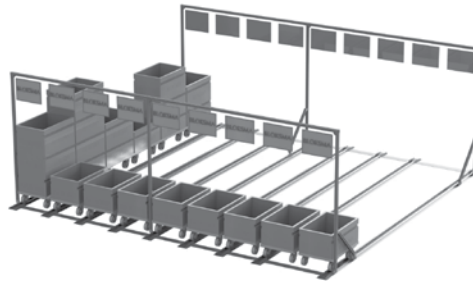
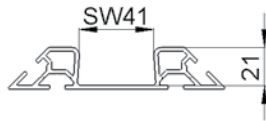


Possibilities of labeling:



## SUPERMARKET ALU GUIDE RAIL SYSTEM G3

### Track 41 mm



## Supermarket

G3 – SW 41 – Aluminium

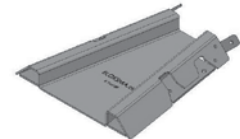
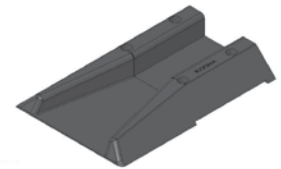
For trolleys with wheel width  
40 mm maximum

Modular system

### Single components

#### Infeed elements

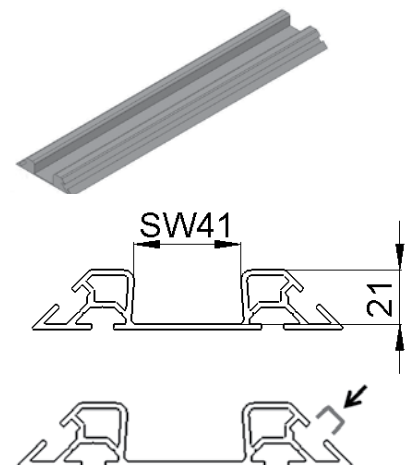
Item no.	Description	Model
138124-9005	infeed element plastic FIFO-Alu-guide rail black similar RAL 9005	EBA – EFEOD
138124-1021	infeed element plastic FIFO-Alu-guide rail yellow similar RAL 1021	EBA – EFEOD
138124-3001	infeed element plastic FIFO-Alu-guide rail red similar RAL 3001	EBA – EFEOD
201664	infeed element steel FIFO-Alu-guide rail steel – galv. zinc-coated, solide	EBA – EFEOD



### Guide rails

#### Encryption

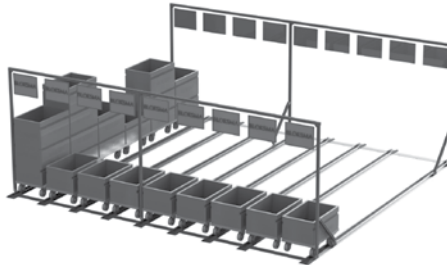
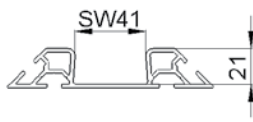
Item no.	Length	Processing
138318-xxxxx		
	Please fill in the required length in mm of the rail	A = anodized E = yellow similar RAL 1021
132917	cover profile for guide rail 8 mm groove	



Example: **138318-0800A** Aluminium guide rail with the length 800 mm, anodized

## SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 41 mm



### Supermarket

G3 – SW 41 – Aluminium

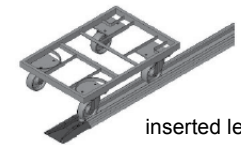
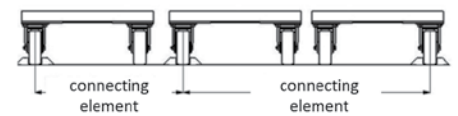
For trolleys with wheel width  
40 mm maximum

Modular system

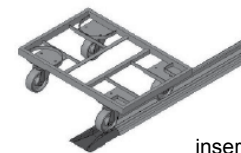
### Single components

#### Connecting elements – stoppers

Item no.	Description	Remark/trolley
201500-0396	connecting element inserted lengthwise	trolley 600 x 400 mm model BOF
201500-0714	connecting element inserted lengthwise	trolley 600 x 400 mm model BOF
201500-0596	connecting element inserted crosswise	trolley 600 x 400 mm model BOF
201500-0996	connecting element inserted crosswise	trolley 600 x 400 mm model BOF
201500-0796	connecting element inserted crosswise	trolley 800 x 600 mm model BOF
201500-1514	connecting element inserted crosswise	trolley 800 x 600 mm model BOF
201500-0460	connecting element inserted crosswise	trolley 630 x 430 mm model BOZ
201500-0785	connecting element inserted crosswise	trolley 630 x 430 mm model BOZ
201500-0646	connecting element inserted crosswise	trolley 630 x 430 mm model BOZ
201500-1156	connecting element inserted crosswise	trolley 630 x 430 mm model BOZ

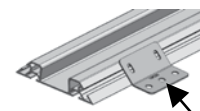
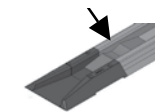


inserted lengthwise

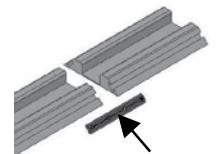


inserted crosswise

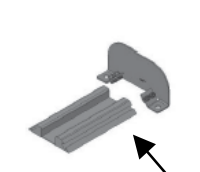
return stop



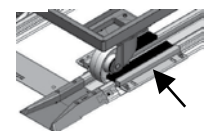
shackles



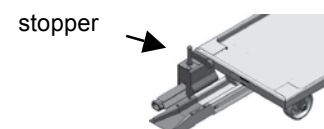
connecting  
element



end stop rail



brake – brush



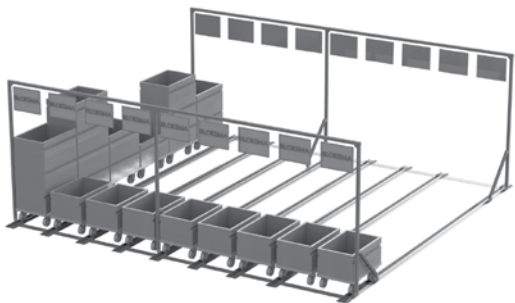
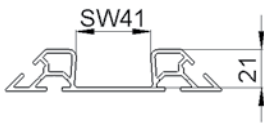
stopper

Item no.	Description	Model
141427-0040A	return stop 10 mm	EBA – RSEOD
144417-0040A	return stop 6 mm	EBA – RSEOD
142327	shackles	BBA – LADÜD
138759	connecting element guide rail	BBA – LASCD

Item no.	Description	Model
142073	end stop rail	BBA – ABRLD
139621	brake – brush – can be retrofitted	EBA – BREAD
202219-LI	ZB-stopper left	BBA – STOP3
202219-RE	ZB-stopper right	BBA – STOP3



**SUPERMARKET ALU GUIDE RAIL SYSTEM G3**  
**Track 41 mm**

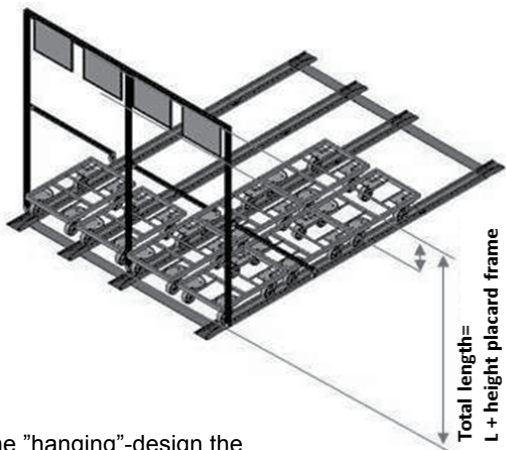
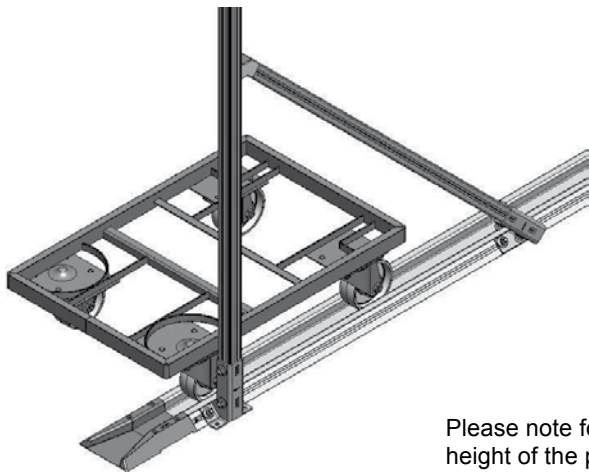


**Supermarket**  
G3 – SW 41 – Aluminium


For trolleys with wheel width  
40 mm maximum

Modular system

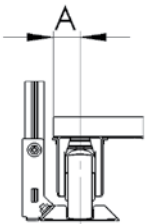
**Single components for labeling**  
**Vertical modules**



Please note for the "hanging"-design the height of the placard frame. "total length" = clearance requested plus height of placard frame

202216-L	_____	vertical module left for trolley 600 x 400 mm BOF	size A 41 mm
202216-R	_____	vertical module right for trolley 600 x 400 mm BOF	size A 41 mm
202247-L	_____	vertical module left for trolley 600 x 400 mm BOZ	size A 52.5 mm
202247-R	_____	vertical module right for trolley 600 x 400 mm BOZ	size A 52.5 mm
Please fill in the requested length in mm. 			

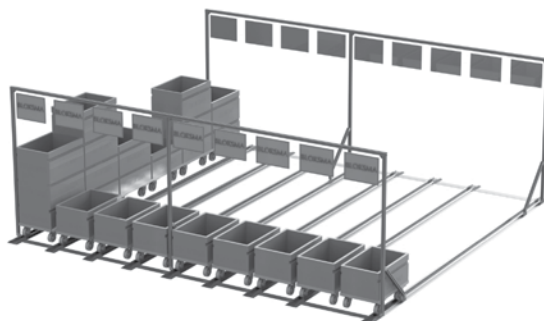
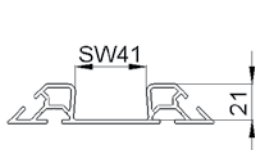
Example: **202216-L2100**  
**Vertical module left, height 2.100 mm**



Please contact us if your trolley size A is not listed so that we can design and offer your appropriate vertical module

## SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 41 mm



### Supermarket

G3 – SW 41 – Aluminium

For trolleys with wheel width  
40 mm maximum

Modular system

### Single components for labeling

#### Vertical modules and aluminium profiles

Item no.	Description	Model	Compatible with following trolleys
202237-V	profile holder front	BBA – PRHD	trolley 600 x 400 mm model BOF
202237-L	profile holder left	BBA – PRHD	trolley 600 x 400 mm model BOF
202237-R	profile holder right	BBA – PRHD	trolley 600 x 400 mm model BOF
202236-V	profile holder in front	BBA – PRHD	trolley 600 x 400 mm model BOZ
202236-L	profile holder left	BBA – PRHD	trolley 600 x 400 mm model BOZ
202236-R	profile holder right	BBA – PRHD	trolley 600 x 400 mm model BOZ

202217	profile holder circular tube	BBA – PRHD
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Item no.	Description	Length	Processing
132401	aluminium profile 30 x 30 mm labeling from ceiling or with vertical modules possible	↑ ↑ ↑ ↑	A
132404	aluminium profile Ø 28 mm labeling from ceiling	↑ ↑ ↑ ↑	A
142419	aluminium profile round Ecoshape labeling from ceiling with vertical modules possible	↑ ↑ ↑ ↑	A
Please fill in the requested length in mm.			A = anodized

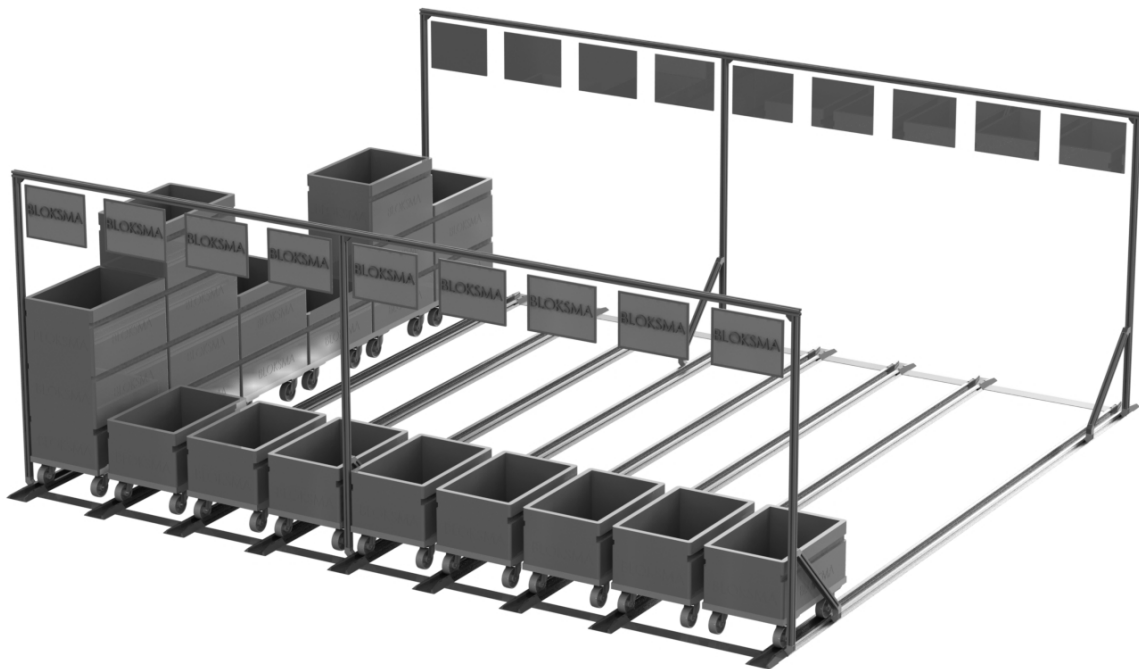


Example: **142419-0800A** Aluminium profile round with grooves, length 800 mm, anodized

## **SUPERMARKET ALU GUIDE RAIL SYSTEM G3**

**Wheel guidance on one side – Monorail system**

For trolleys with wheel width up to 50 mm

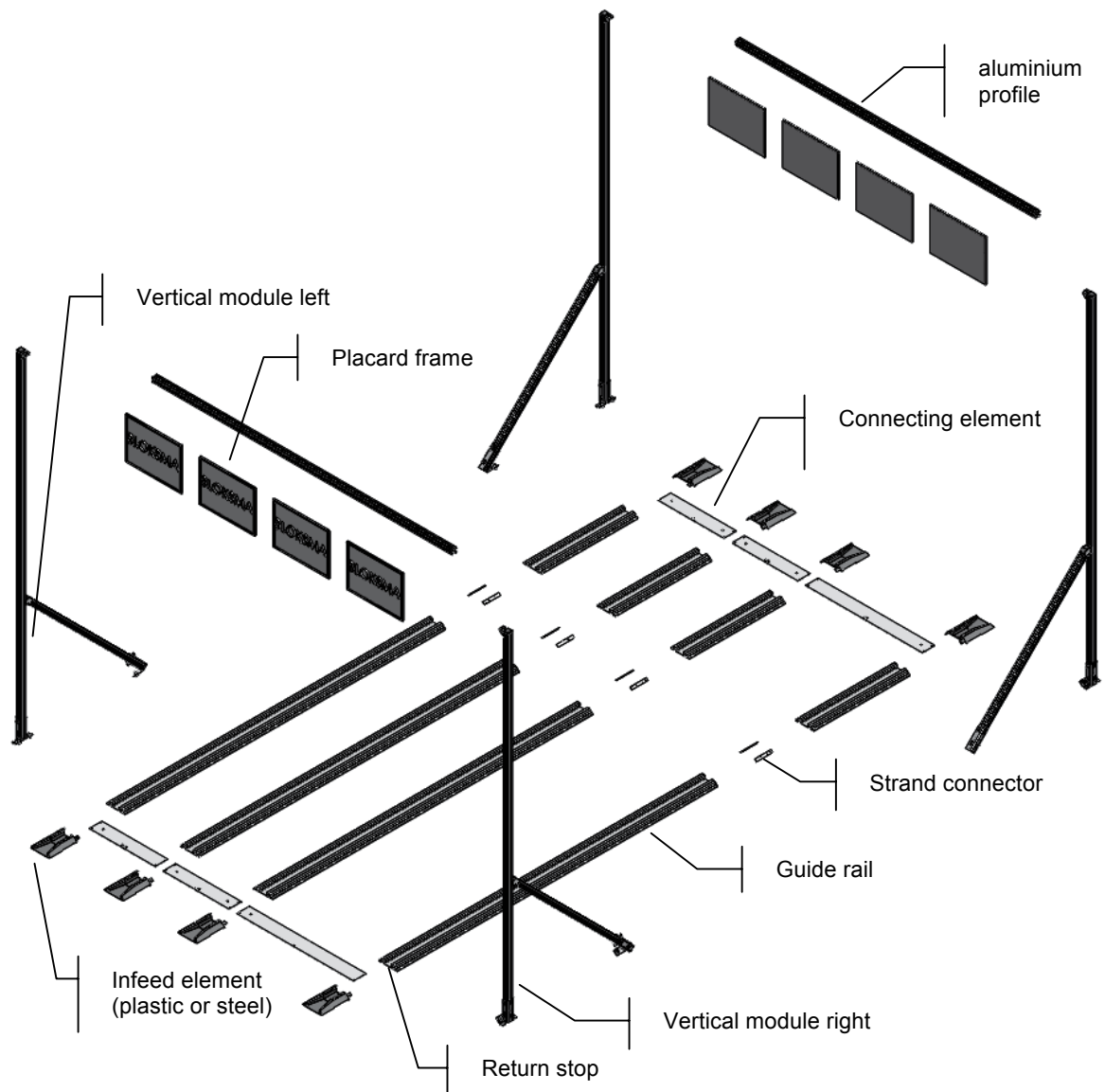


Supermarket monorail system:

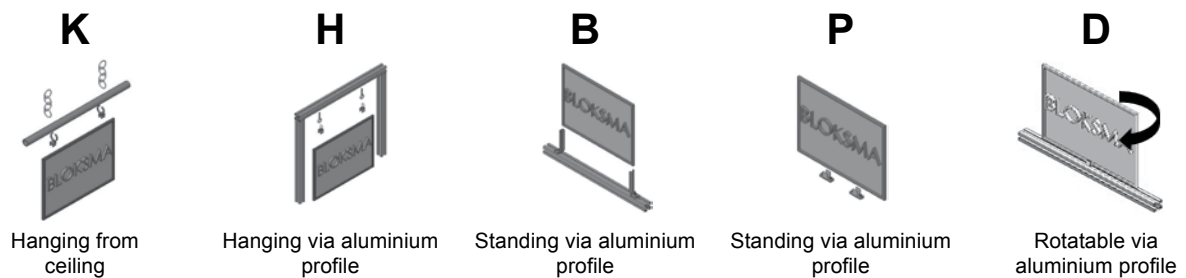
- ✓ Optimal and visual overview
- ✓ Standardized FIFO and KANBAN supermarket systems
- ✓ Ensures exact positioning of the material close to where it is used
- ✓ Modular system – hence expandable
- ✓ Can also be installed under existing shelf setups
- ✓ Missing parts can be seen immediately
- ✓ Control – no more overproduction

## SUPERMARKET G3 – ALUMINIUM SYSTEM ALUMINIUM RAIL SYSTEM

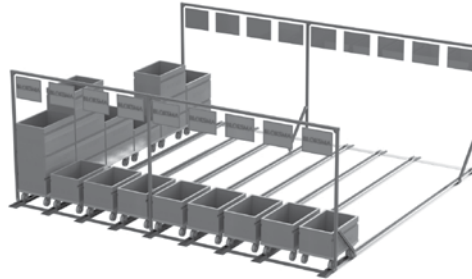
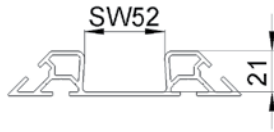
G3 SW 52  
**Supermarket**  
G3 – Steel Structure



Possibilities of labeling:



## SUPERMARKET ALU GUIDE RAIL SYSTEM G3 Track 52 mm



### Supermarket

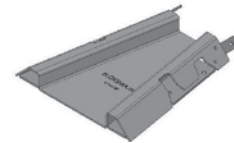
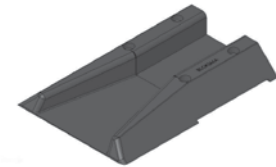
G3 – SW 52 – Aluminium

For trolleys with wheel width  
50 mm maximum

Modular system

### Single components: Entry elements

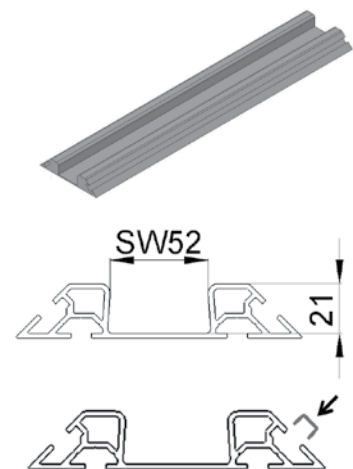
Item no.	Description	Model
148618-9005	infeed element plastic FIFO-Alu-guide rail black similar RAL 9005	EBA – EFEOD
148618-1021	infeed element plastic FIFO-Alu-guide rail yellow similar RAL 1021	EBA – EFEOD
148618-3001	infeed element plastic FIFO-Alu-guide rail red similar RAL 3001	EBA – EFEOD
202113	infeed element steel FIFO-Alu-guide steel -galv. zinc-coated, solide	EBA – EFEOD



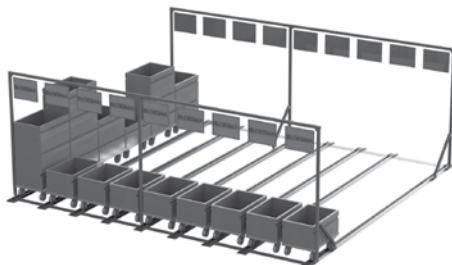
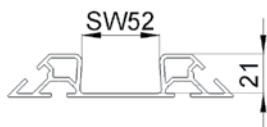
### Guide rails Encryption:

Example: **148448-0800 Aluminium guide rail with the length 800 mm, anodized**

Item no.	Length	Model
148448-xxxxx		
	Please fill in the required length in mm of the rail.	A = anodized E = yellow similar RAL 1021
132917	cover profile for guide rail 8 mm groove	



## SUPERMARKET ALU GUIDE RAIL SYSTEM G3 Track 52 mm



### Supermarket

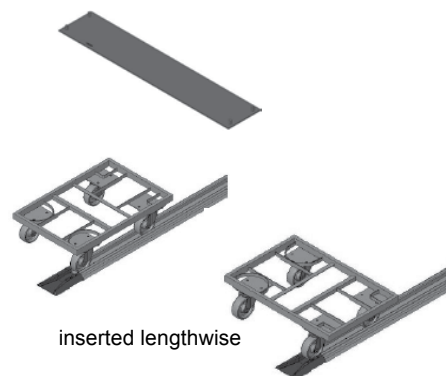
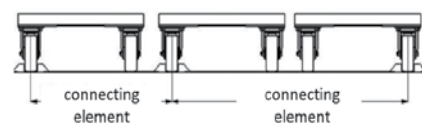
G3 – SW 52 – Aluminium

For trolleys with wheel width  
50 mm maximum

Modular system

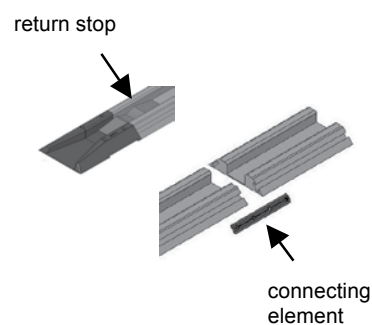
### Single components Connecting elements - stoppers

Item no.	Description	Remarks / trolley
201500-xxxx	connecting element inserted lengthwise	individually customized
201500-xxxx	connecting element inserted lengthwise	individually customized

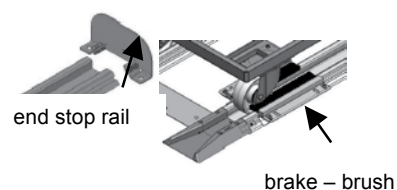


inserted crosswise

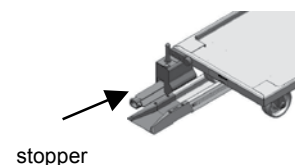
Item no.	Description	Model
141427-0050A	return stop 10 mm	EBA – RSEOD
144417-0050A	return stop 6 mm	EBA – RSEOD
138759	connecting element guide rails	BBA – LASCD
142327	shackles	BBS-LADÜD



Item no.	Description	Model
200400	end stop rail	BBA – ABRLD

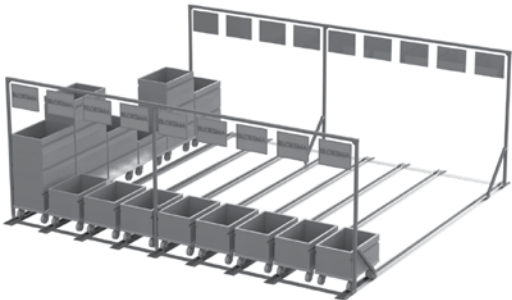
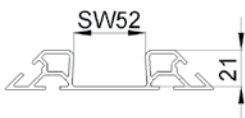


139621	brake – brush – can be retrofitted	EBA – BREAD
202219-LI	ZB-stopper left	BBA – STOPP3
202219-RE	ZB-stopper right	BBA – STOPP3





**SUPERMARKET ALU GUIDE RAIL SYSTEM G3**  
**Track 52 mm**

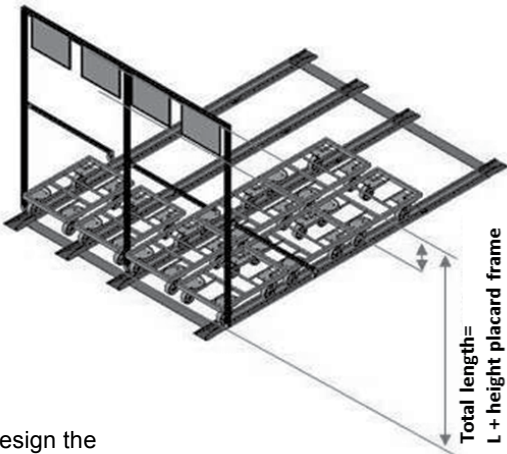
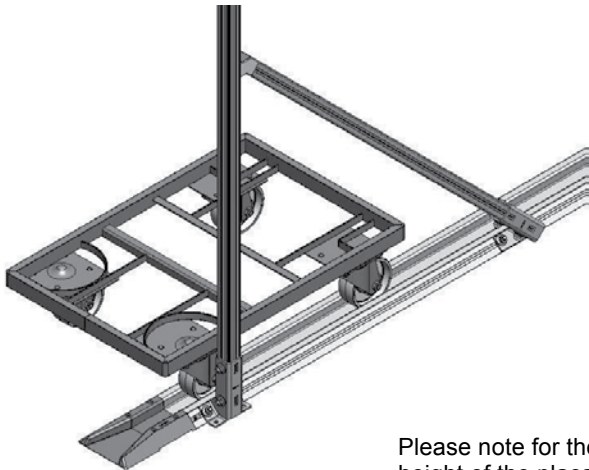


**Supermarket**  
G3 – SW 52 – Aluminium

For trolleys with wheel width  
50 mm maximum

Modular system

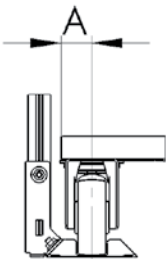
**Single components for labeling**  
**Vertical modules**



Please note for the "hanging"-design the height of the placard frame. "total length" = clearance requested plus height of placard frame

202255-L	_____	vertical module left	size A 60 mm
202255-R	_____	vertical module right	size A 60 mm
Please fill in the requested length in mm.		↑	

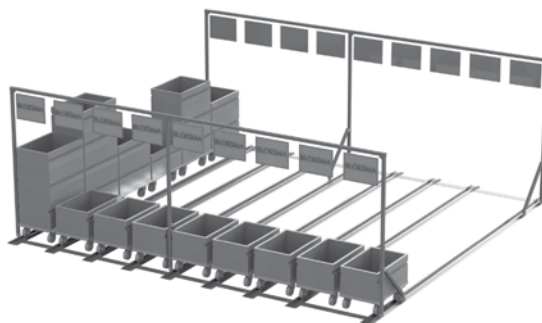
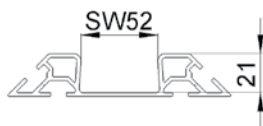
Example: **202255-L2100**  
**Vertical module left, height 2.100 mm**



Please contact us if your trolley size A is not listed so that we can design and offer your appropriate vertical module

## SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 52 mm



### Supermarket

G3 – SW 52 – Aluminium

For trolleys with wheel width  
50 mm maximum

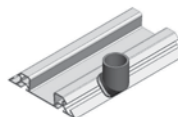
Modular system

### Single components for labeling Vertical modules and aluminium profiles

Item no.	Description	Model
202256-V	profile holder front	BBA – PRHD
202256-L	profile holder left	BBA – PRHD
202256-R	profile holder right	BBA – PRHD



202217	profile holder circular tube	BBA – PRHD
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Item no.	Description	Length	Processing
132401	aluminium profile 30 x 30 mm labeling from ceiling or with vertical modules possible	↑ ↑ ↑ ↑	A
132404	aluminium profile Ø 28 mm labeling from ceiling	↑ ↑ ↑ ↑	A
142419	aluminium profile round Ecoshape labeling from ceiling with vertical modules possible	↑ ↑ ↑ ↑	A
Please fill in the requested length in mm.			A = anodized



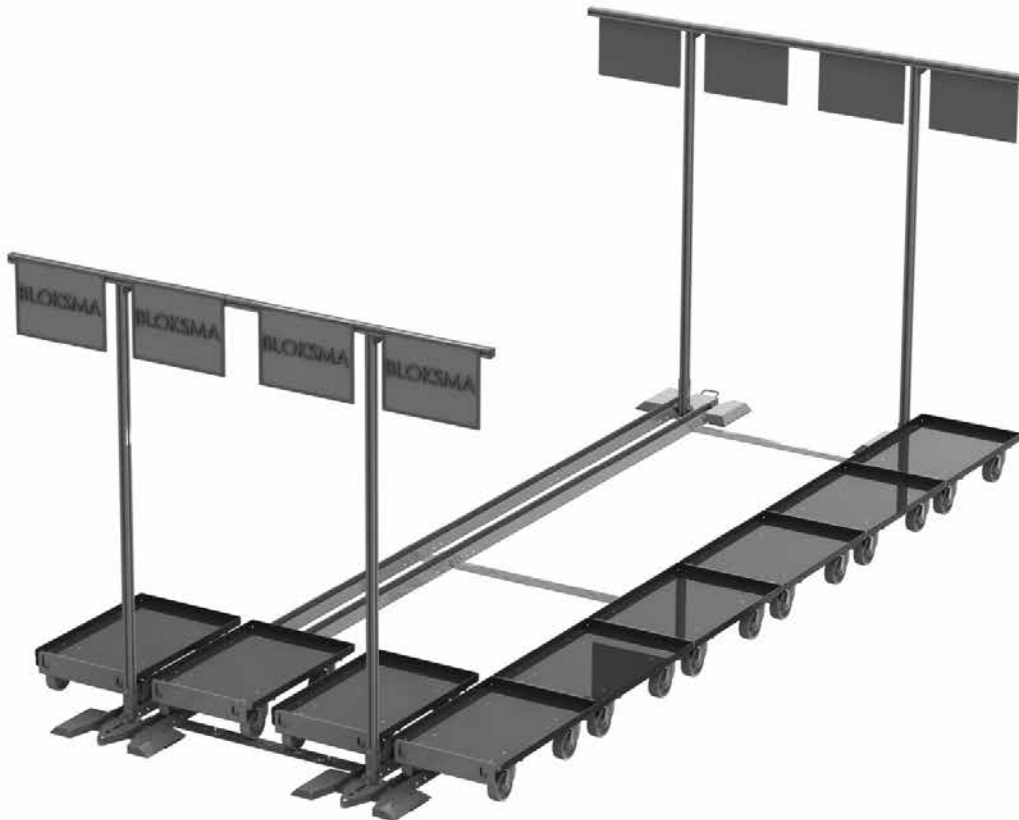
Example: **142419-0800A** Aluminium profile round with grooves, length 800 mm, anodized

## **SUPERMARKET STEEL GUIDE RAIL SYSTEM G2**

**Wheel guidance on one side – Mono and dual track system**

For trolleys with wheel widths up to 40 mm

Steel structure

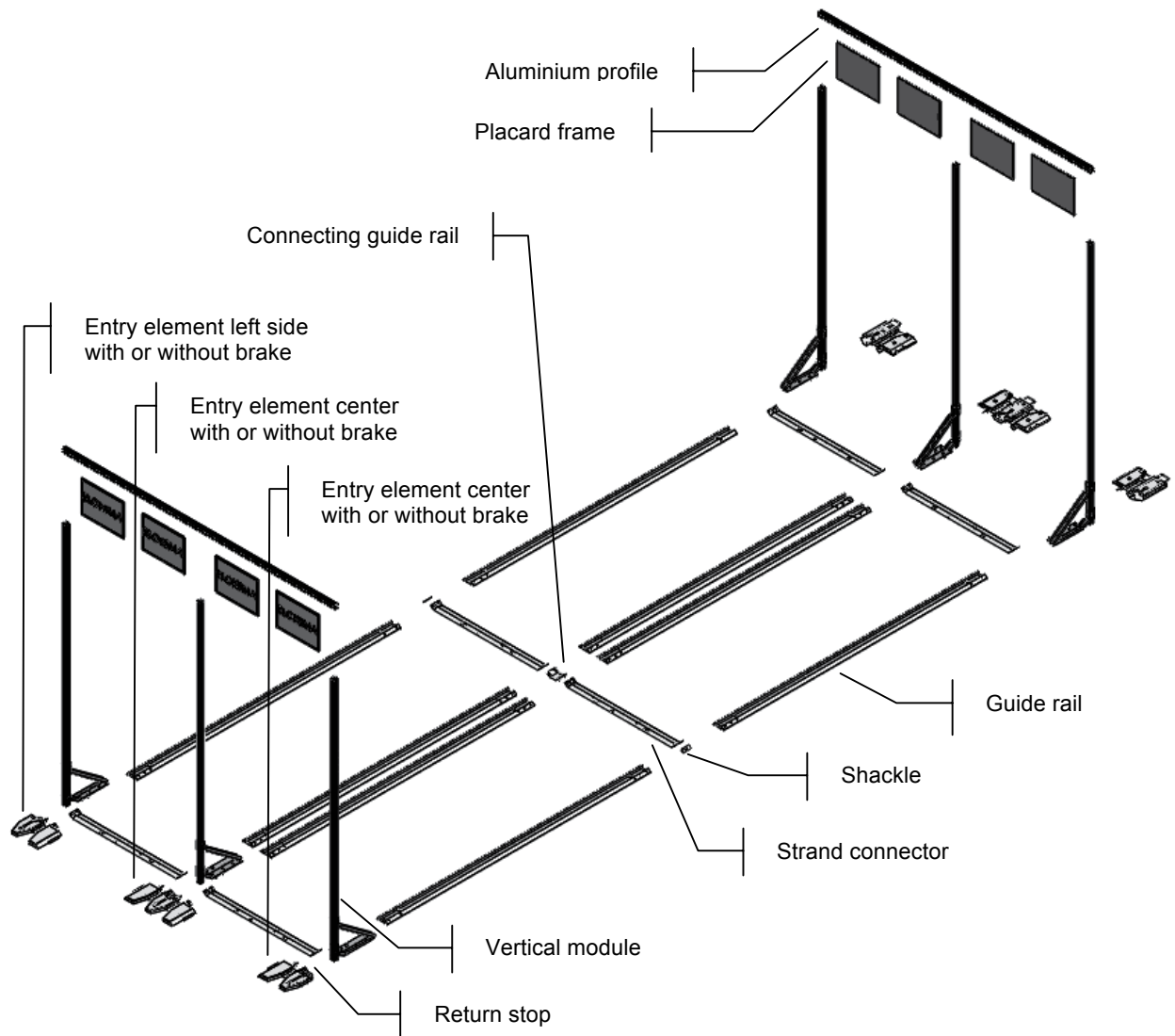


Supermarket steel guide rail:

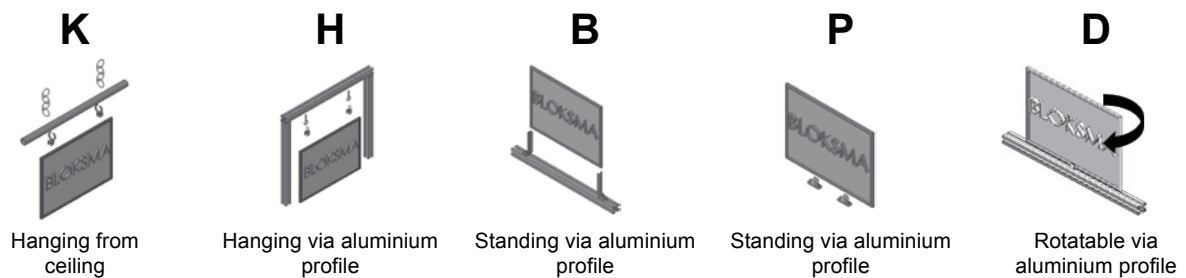
- ✓ Optimal and visual overview
- ✓ Standardized FIFO and KANBAN supermarket systems
- ✓ Ensures exact positioning of the material close to where it is used
- ✓ Modular system – hence expandable
- ✓ Can also be installed under existing shelf setups
- ✓ Missing parts will be immediately notice
- ✓ Control – no more overproduction

## SUPERMARKET G2 – STEEL SYSTEM MONO AND DUAL TRACK STEEL RAIL SYSTEM

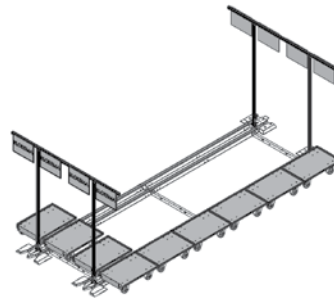
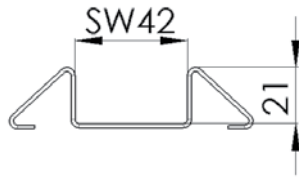
G2 SW 42  
**Supermarket**  
G2 – Steel Structure



Possibilities of labeling:



## SUPERMARKET STEEL GUIDE RAIL SYSTEM G2 Track 42 mm



### Supermarket G2 – SW 42 – Steel

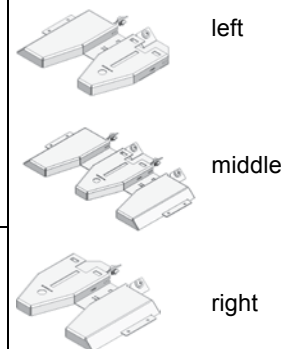
For trolleys with wheel width  
40 mm maximum

Modular system

### Entry elements

Example: **202805-MI-ST** Steel infeed element middle for trolley BOF 600 x 400 mm, with stopper

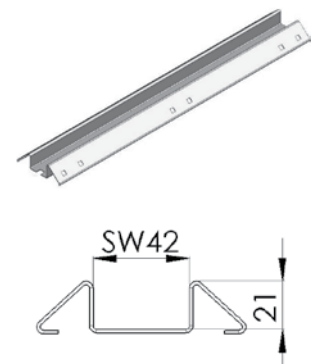
Item no.	Description	Trolley
202805-xx-xx	Entry elements for BOZ-Trolley  Li (left) Re (right) Mi (middle) ST – stopper OO – no stopper	630 x 430 mm lengthwise
202806-xx-xx	Entry elements for BOZ-Trolley	630 x 430 mm crosswise
202807-xx-xx	Entry elements for BOF-Trolley	600 x 400 mm lengthwise
202808-xx-xx	Entry elements for BOF-Trolley	600 x 400 mm crosswise



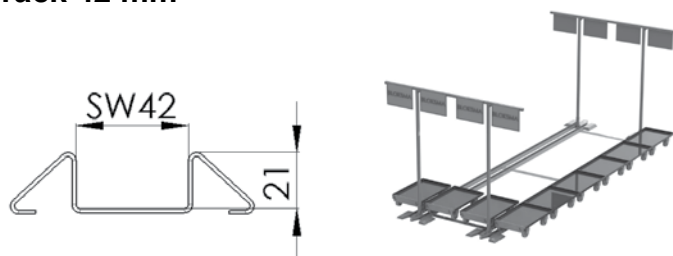
### Guide rails

Example: **200418-0800B** Steel guide rail with the length 800 mm, galv. zinc-coated blue

Item no.	Length	Surface
200418-xxxx		
	Please fill in the required length in mm of the rail.	D = anodized E = yellow similar RAL 1021



## SUPERMARKET STEEL GUIDE RAIL SYSTEM G2 Track 42 mm



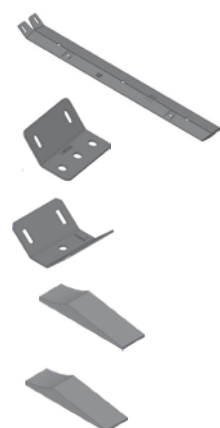
### Supermarket

G2 – SW 42 – Steel

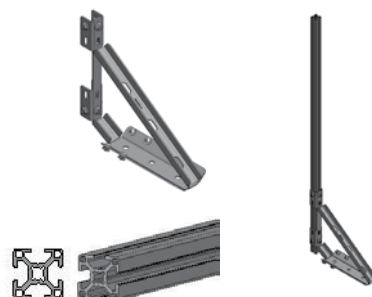
For trolleys with wheel width  
40 mm maximum


Modular system

Item no.	Description	Model
202809-xxxxB	strand connector incl. fixing material	BBA – STVEZ
139231	shackle incl. fixing material	BBA – LADUZ
145484	connecting guide rail	BBA – LASCZ
141427-0040A	return stop at infeed element 10 mm high	EBA – RSEOD
144417-0040A	return stop at infeed element 6 mm high	EBA – RSEOD

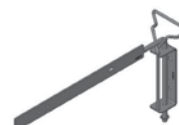


Item no.	Description	Model
202832-Rxxxx 202832-Lxxxx 202832-Mxxxx	vertical module <b>Right / Left / Middle</b> (to infeed element <b>R / L / M</b> ) consisting of profile holder and aluminium profile L = xxxx	BBA – SEMMZ
132401-xxxxA	aluminium profile	ETP – ALPOA

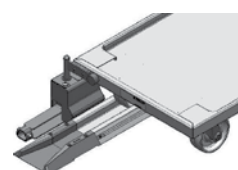


 Please fill in length in mm of guide rail / profile requested.		
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135890	info holder complete incl. fixing material	BBA – INFOH
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202218-LI	ZB-stopper left	BBA – STOP2
202218-RE	ZB-stopper right	BBA – STOP2



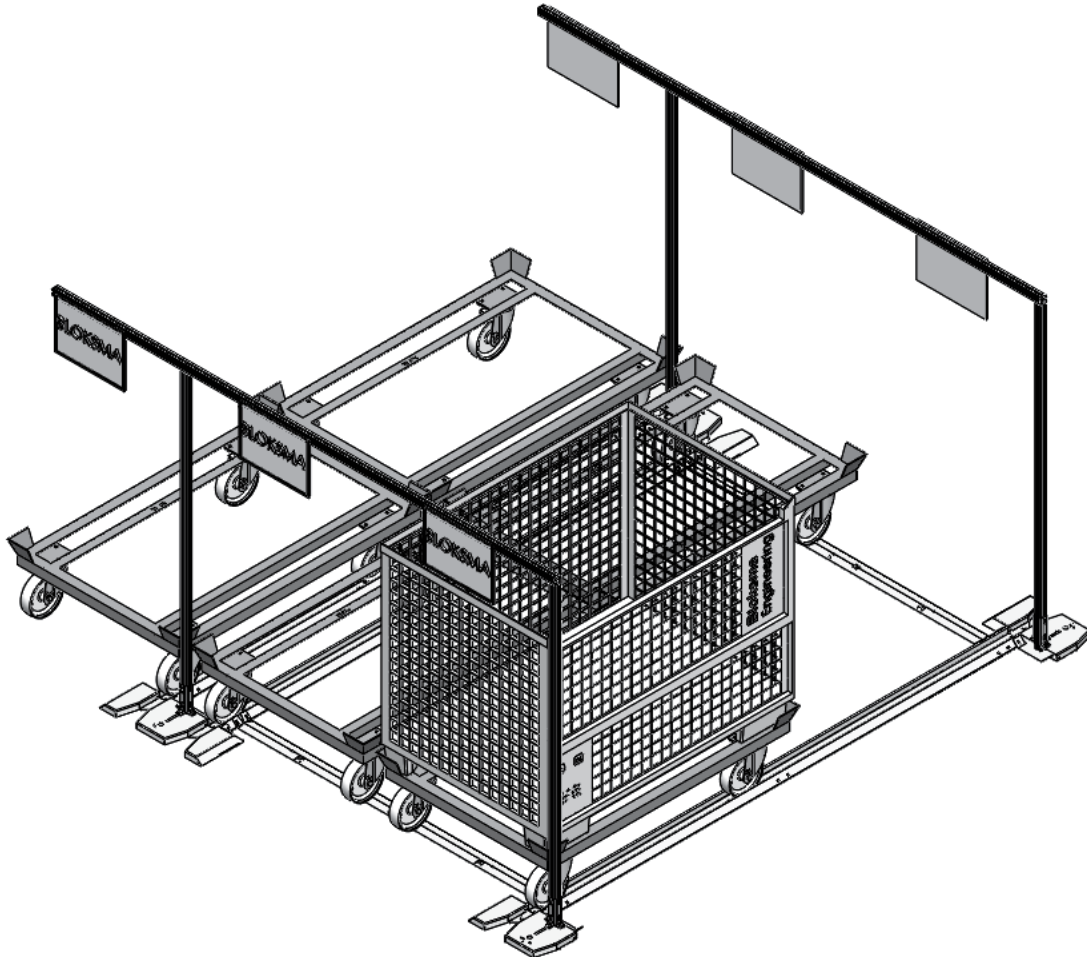
Other lengths / models / materials deliverable on request.

## **SUPERMARKET STEEL GUIDE SYSTEM G2**

**Wheel guidance on one side – Mono and dual track system**

For trolleys with wheel width up to 50 mm

Steel structure



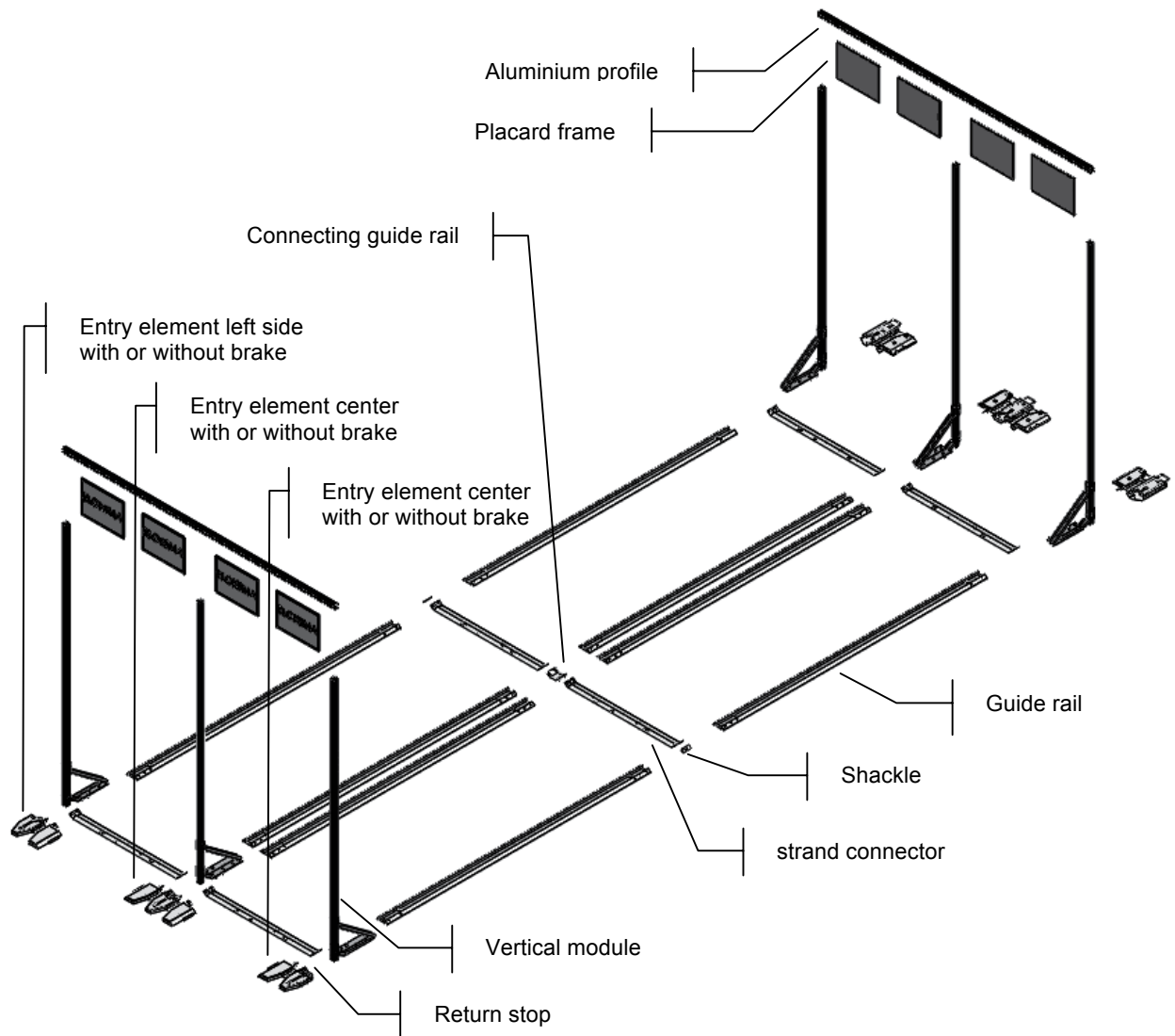
Supermarket steel guide rail:

- ✓ Optimal and visual overview
- ✓ Standardized FIFO and KANBAN supermarket systems
- ✓ Ensures exact positioning of the material close to where it is used
- ✓ Modular system – hence expandable
- ✓ Can also be installed under existing shelf setups
- ✓ Missing parts will be immediately notice
- ✓ Control – no more overproduction

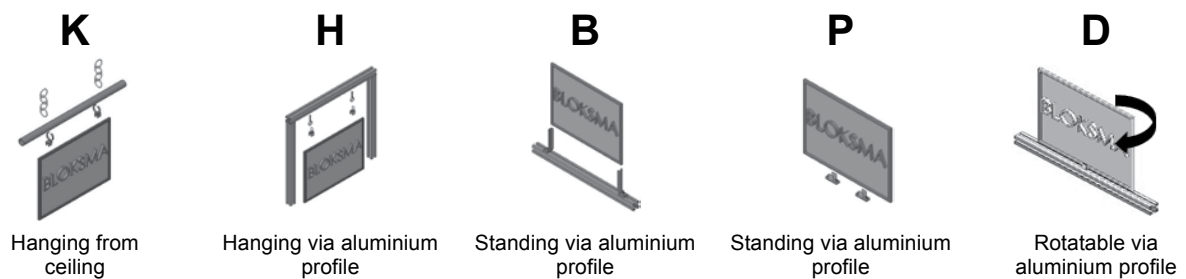


## SUPERMARKET G2 – STEEL SYSTEM MONO AND DUAL TRACK STEEL RAIL SYSTEM

G2 SW 52  
**Supermarket**  
G2 – Steel Structure

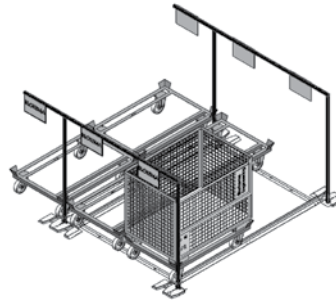
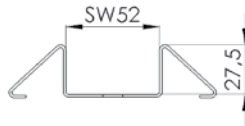


Possibilities of labeling:



## SUPERMARKET STEEL GUIDE RAIL SYSTEM G2

### Track 52 mm



### Supermarket

#### G2 – SW 52 – Steel

For trolleys with wheel width  
50 mm maximum

Modular system

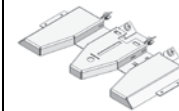
### Entry elements

Example: 202805-MI-ST Steel infeed element middle for trolley BOF 600 x 400 mm, with stopper

Item no.	Description	Trolley
202811-xx-xx	Entry elements for BOR-Trolley  Li (left) Re (right) Mi (middle) ST – stopper OO – no stopper	1.200 x 800 mm lengthwise
202812-xx-xx	Entry elements for BOR-Trolley	1.200 x 800 mm crosswise



left



middle

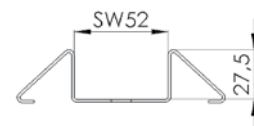


right

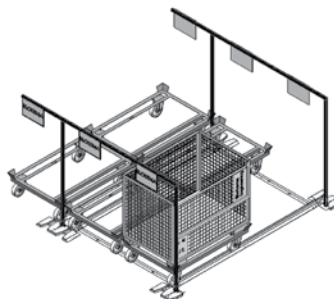
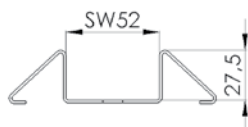
### Guide rails

Example: 200418-0800B Steel guide rail with the length 800 mm, galv. zinc-coated blue

Item no.	Length	Surface
200418-xxxx		
	Please fill in the required length in mm of the rail	D = anodized E = yellow similar RAL 1021



## SUPERMARKET STEEL GUIDE RAIL SYSTEM G2 Track 52 mm



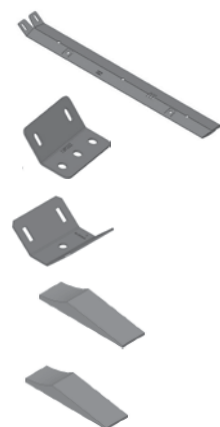
### Supermarket

G2 – SW 52 – Steel

For trolleys with wheel width  
50 mm maximum

Modular system

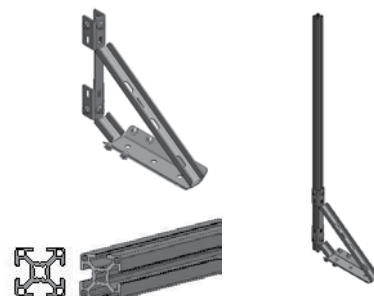
Item no.	Description	Model
202810-xxxxB	strand connector incl. fixing material	BBA – STVEZ
139231	shackle incl. fixing material	BBA – LADUZ
145960	connecting guide rail	BBA – LASCZ
141427-0050A	return stop at infeed element 10 mm high	EBA – RSEOD
144417-0050A	return stop at infeed element 6 mm high	EBA – RSEOD



Item no.	Description	Model
202833-Rxxxx 202833-Lxxxx 202833-Mxxxx	vertical module <b>Right / Left / Middle</b> (to infeed element <b>R / L / M</b> ) consisting of profile holder und aluminium profile L = xxxx	BBA – SEMMZ
132401-xxxxA	aluminium profile	ETP – ALPOA



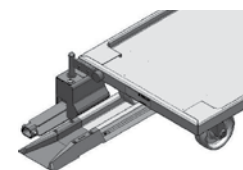
Please fill in length in mm of guide rail / profile requested.



135890	info holder complete incl. fixing material	BBA – INFOH
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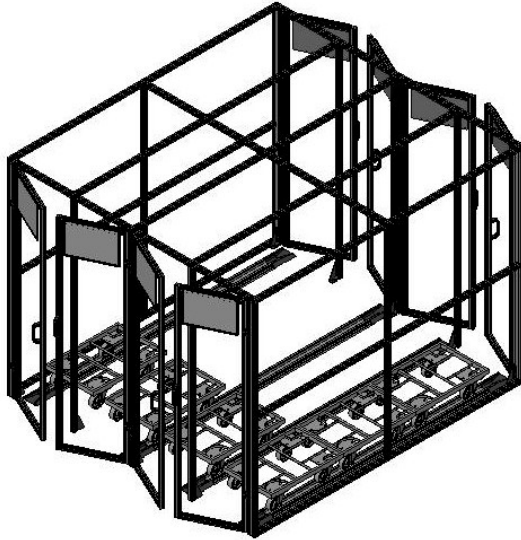


202834-LI	ZB-stopper left	BBA – STOP2
202834-RE	ZB-stopper right	BBA – STOP2



Other lengths / models / materials deliverable on request.

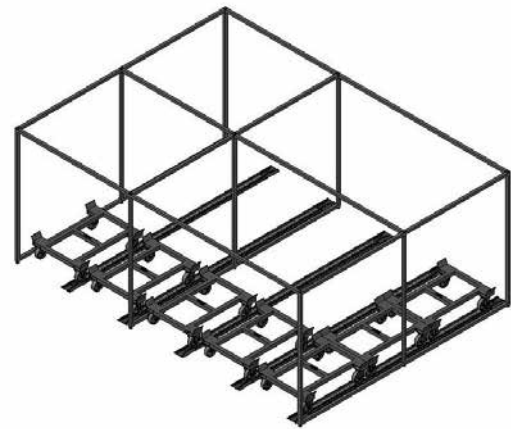
## **SUPERMARKET – WITH HOUSING / WITH SUPERSTRUCTURE**



Item no. 140039  
with complete housing



Item no. 139228  
with superstructure (roller conveyor)



Item no. 138482  
with housing

### **Supermarket**

#### **Other versions**

Generally our supermarkets are manufactured according to our customers' requirements.

For supermarket systems:  
Supermarket G2  
Supermarket G3

Housing with metal sheet / wave grid or  
synthetic pane

Superstructure with roller conveyor or  
similar available

**Other models available on request.**

## SUPERMARKET ACCESSORIES

### Supermarket

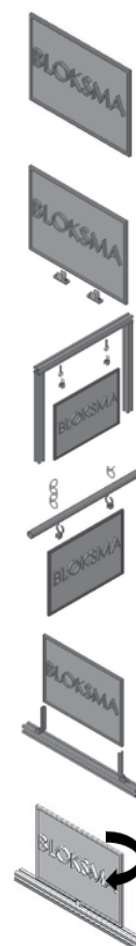
#### Placard frames I

Components for labeling

Placard frames

### Single components – placard frames

Item no.	DIN A-x	Colour	Description	Model
201031	A — ↑	— — ↑ ↑	placard frame complete <i>with pane and closing clip</i>	EBA – PLAK
201030	A — ↑	— — ↑ ↑	placard frame <b>P</b> standing <i>incl. fixing material</i>	BBA – PLA
201032	A — ↑	— — ↑ ↑	placard frame <b>H</b> hanging via aluminium profile <i>incl. fixing material</i>	BBA – PLA
201033	A — ↑	— — ↑ ↑	placard frame <b>K</b> hanging from ceiling <i>incl. fixing material</i>	BBA – PLA
201034	A — ↑	— — ↑ ↑	placard frame <b>B</b> standing via aluminium profile <i>incl. fixing material</i>	BBA – PLA
201546	A — ↑	— — ↑ ↑	placard frame <b>D</b> rotatable <i>incl. fixing material</i>	BBA – PLA
Please select and fill in your desired colour.	Din A3 Din A4 Din A5	yellow = 01 red = 02 white = 03 blue = 04 green = 05 black = 06		



Example: **201030-A504** placard frame standing size A5 in blue

## SUPERMARKET ACCESSORIES

### Supermarket

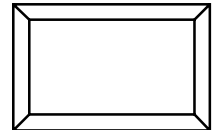
#### Placard frames II

Components for labeling

Placard frames

#### Individual parts – placard frames

Item no.	DIN Ax	Colour	Description
201524 -xxxx	A — ↑	— — ↑ ↑	placard frame separately
201525-xx	A — ↑	transparent	foil for placard frame
147711	size standardized	transparent	closing clip for placard frame
Please select and fill in your desired colour.	Din A3 Din A4 Din A5	yellow = 01 red = 02 white = 03 blue = 04 green = 05 black = 06	



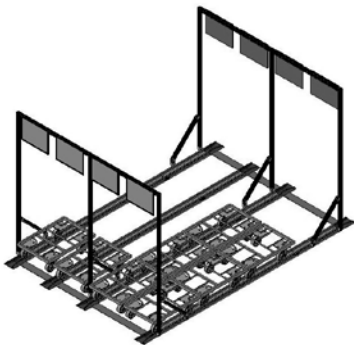
Example: **201524-A504** placard frame separately size A5 in blue

Example: **201525-A5** foil for placard frame size A5

SUPERMARKET ACCESSORIES

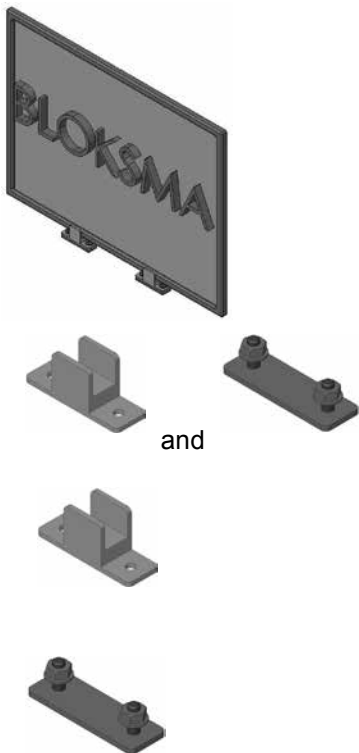
Supermarket  
Accessories I

Components for labeling

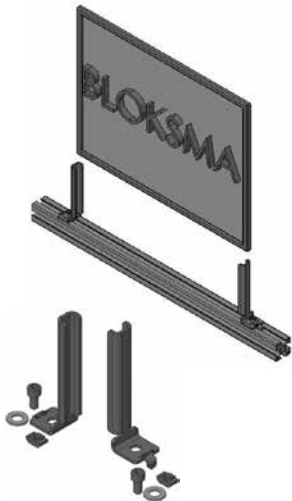


Single components – fixing elements I

Item no.	Description	Model
202355	holder consisting of holder and mounting plate contents: 2 pieces	EPL – INFHS
140196	holder for placard frame – standing – contents: 1 piece	EPL – INFHS
141332	mounting plate contents: 1 piece	EBA – ANSCH

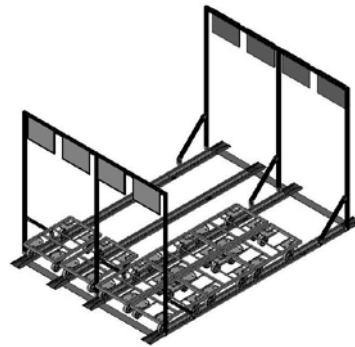


Item no.	Description	Model
142113	holder for placard frame – standing – contents: 2 pieces	BPL – INFHS





## SUPERMARKET ACCESSORIES

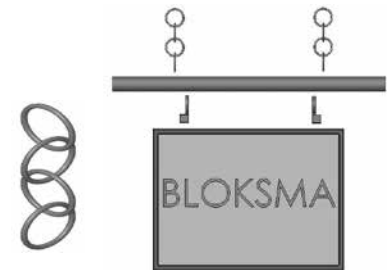


### Supermarket Accessories II

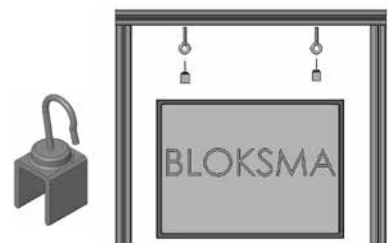
Components for labeling

#### Single components – fixing elements II

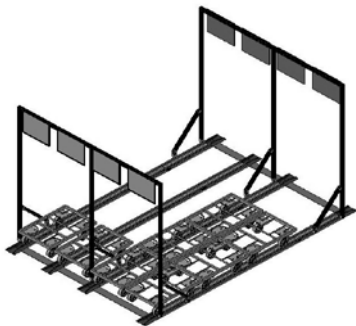
Item no.	Description	Model
142405	link chain 30 mtrs	ETE – KEGLI
142404	locking hook for link chain contents: 10 pieces	ETE – HAKOO
142406	mounting tube Ø 28 mm L = 2.420 mm	ETP – STPRU
142403	holder for placard frame at mounting tube contents: 10 pieces	EPL – INFHR



Item no.	Description	Model
138768	suspension hook – rotatable	EPL – HAKOO
140863	eyelet – closed	ETE – ÖSENS
133427	nut M6 8mm groove	ETP – HAMUO



SUPERMARKET ACCESSORIES

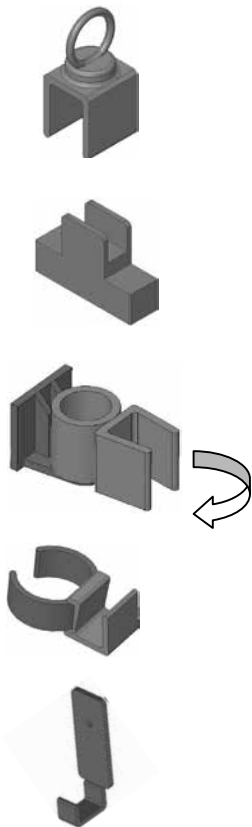


Supermarket  
Accessories III

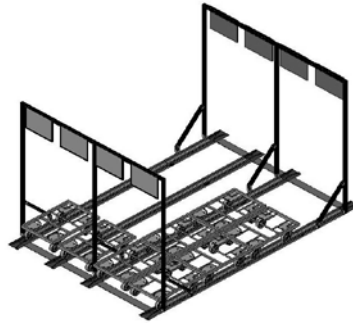
Components for labeling

Single components – fixing elements III

Item no.	Description	Model
140870	suspension eye rotatable	EPL – INFHH
142415	placard frame holder magnetic	EPL – INFHM
142416	placard frame holder vertically rotatable	EPL – INFHD
142503	holder for placard frame at mounting tube	EPL – INFHQ
142418	placard frame holder vertically adhesive on wall	EPL – INFHK



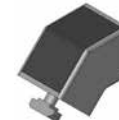
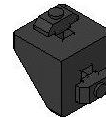
## SUPERMARKET ACCESSORIES



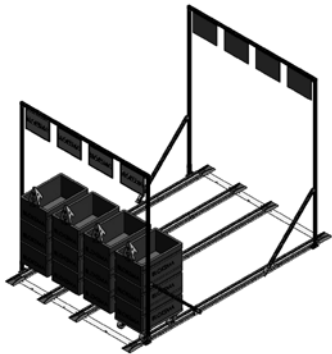
### Supermarket Accessories IV

#### Single components – fixing elements IV

Item no.	Description	Model
133176 132399	angle connector 90 degrees for 30 x 30 profile for 40 x 40 profile	ETP – WIZOO
134473	angle connector 90 degrees for 30 x 30 profile L = xxxx / xxx	ETP – WIZOO
138146 202829	angle connector 45 degrees for 30 x 30 Profil for 40 x 40 Profil	ETP – WIZOO
202411 135649 135997	collar nut M5 M6 M8	ETP – BUSCH
202830 135650 135996	nut M5x16 M6x16 M8x20	ETP – HASCH
132401-xxxxA 132402-xxxxA	aluminium profile 30 x 30 mm aluminium profile 40 x 40 mm	ETP – ALPOA
139727	profile connector 8 mm groove for Alu-profile 30 x 30 mm	ETP – PRVER



SUPERMARKET ACCESSORIES



Supermarket  
Accessories V

For marking, identification  
and/or locking of single stacks  
of trolleys or tracks of  
supermarkets.

Thus FIFO is guaranteed.

Single components – marking of tracks

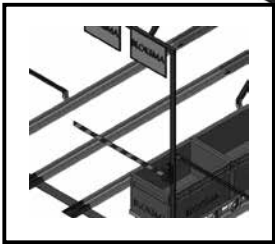
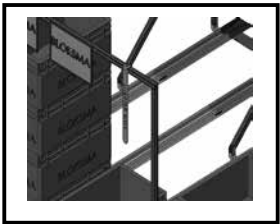
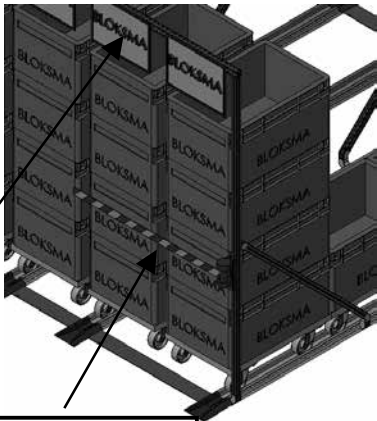
Item no.	Description
202632-X001	Cone
202632-X002	Cone with dial
202632-X003	Cone with bracket
202632-X004	Cone with bracket and dial

202874	BG-retaining clip
202875	BG-rotating dial



Locking of tracks

Item no.	Description
202359	Rail Barrier Fix
202360	Rail Barrier Tape
202796	Rail Barrier Chain (Kette)

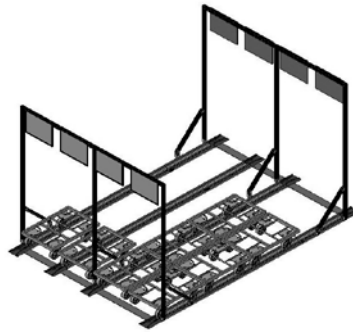


Rail Barrier Fix

Rail Barrier Tape

## SUPERMARKET ACCESSORIES

### Supermarket Accessories VI

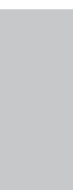


### Single components

Item no.	Description	Model
200503-16x11 200503-25x23	memo box size 165 x 115 mm memo box size 250 x 230 mm  To collect KANBAN cards or other order documents.	

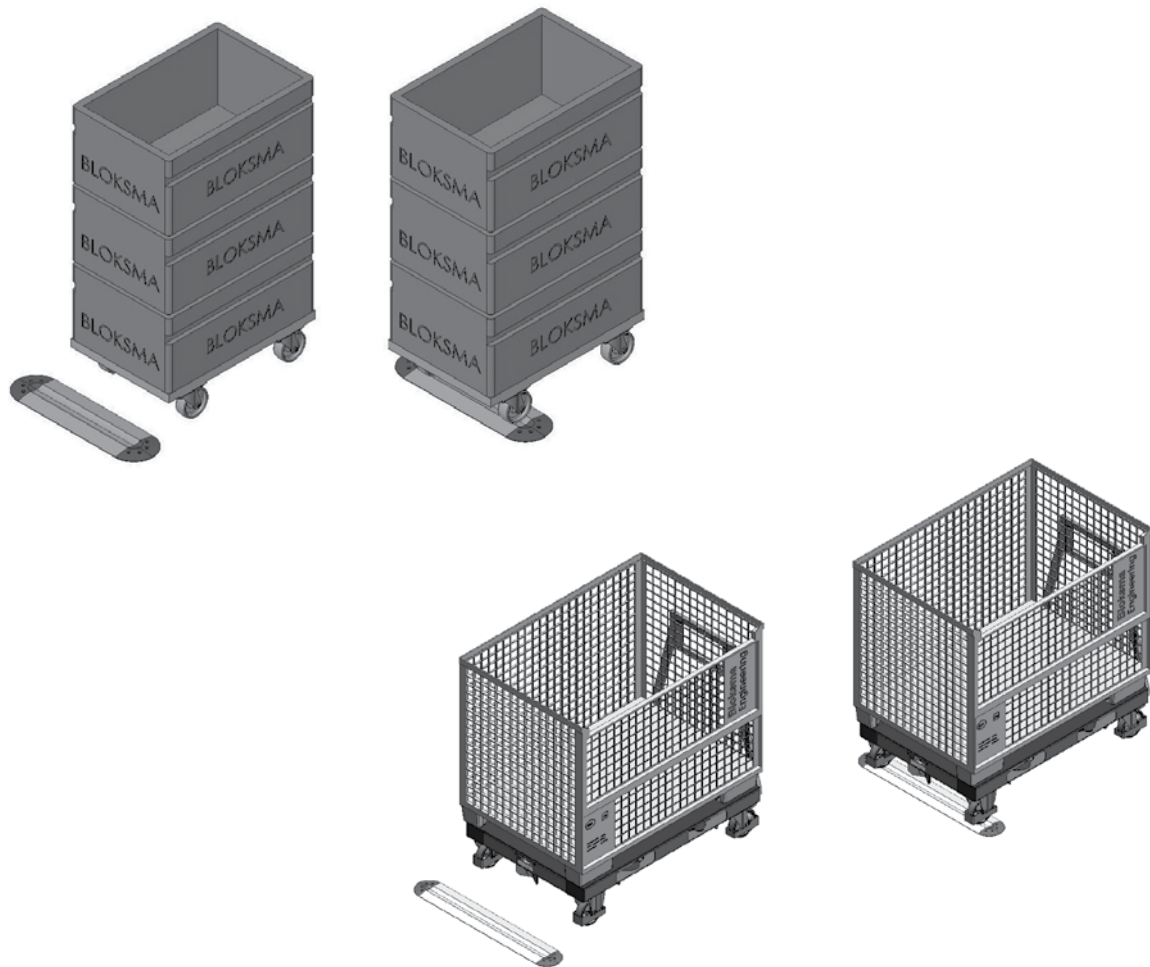
# MATERIAL IN FLOW

## NOTES



## TROLLEY PARKING

„Everything stays on its place – correct positioning of each trolley –  
no risk of accidental move“



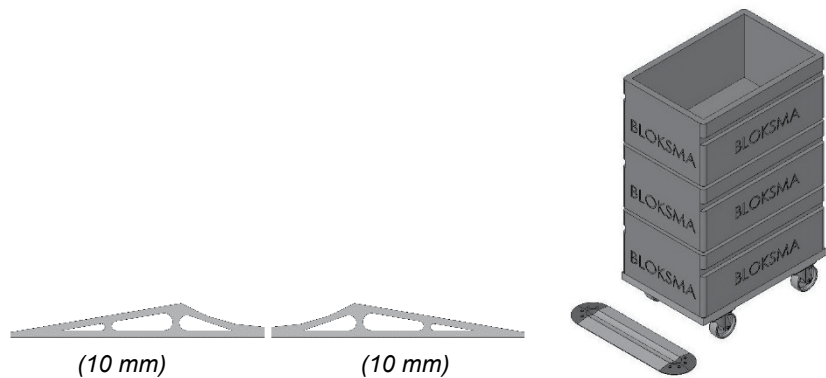
Parking lots for trolleys (with stack of KLT or GLT)

- ✓ To prevent accidental move of trolley
- ✓ To ensure the correct storage area
- ✓ To provide ideal optical overview
- ✓ part of 5 S



PARKING LOTS – COMPLETE SET

Version high-high – 10 mm high



Parking lot

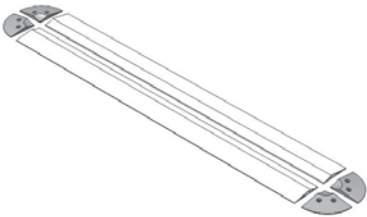
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

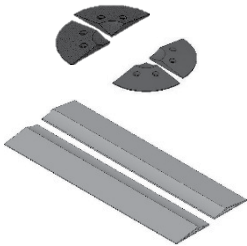
Example: 200441-0400A Parking lot set with the length 400 mm, anodized

Item no.	Length	Processing
200441-xxxxx	<div> <div>— — —</div> <div>↑ ↑ ↑ ↑</div> </div>	A
	Please fill in the length in mm requested	A = anodized B = pasted with warning tape (black and yellow)



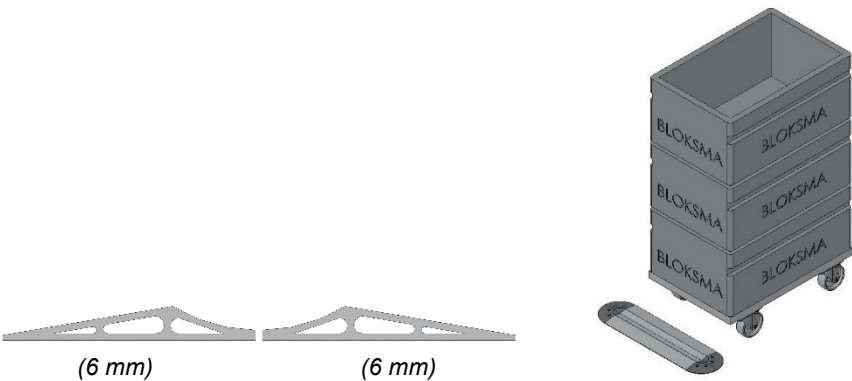
This parking lot set consists of

Item no.	Description
138729-H-H	1x end piece set parking lot ( contents per set: 4 pieces)
141427-xxxxA	2x Alu parking lot guide rails – 10mm high (contents per set: 2 pieces)  xxxx = length in mm



All components are also available separately.

**PARKING LOTS – COMPLETE SET**  
Version flat-flat – 6 mm high




**Parking lot**

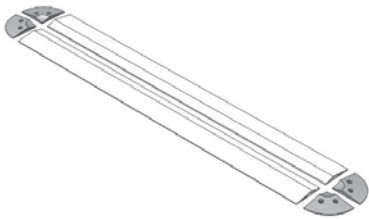
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

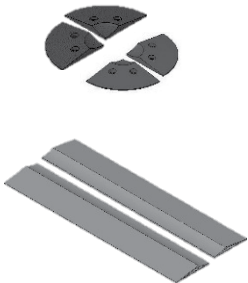
Example: **200443-0400A** Parking lot set with the length 400 mm, anodized

Item no.	Length	Processing
200443-xxxxx		<b>A</b>
	Please fill in the length in mm requested	A = anodized B = pasted with warning tape (black and yellow)



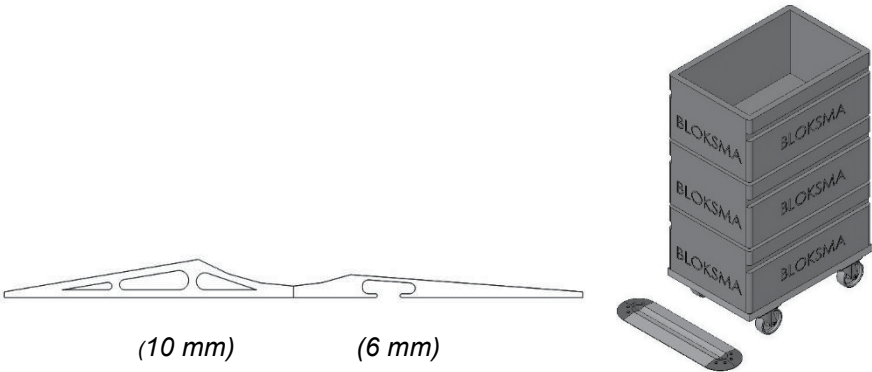
This parking lot set consists of

Item no.	Description
138729-N-N	1x end piece set parking lot ( contents per set: 4 pieces)
144417-xxxxA	2x Alu parking lot guide rails - 6mm high (contents per set: 2 pieces)  xxxx = length in mm



All components are also available separately.

PARKING LOTS – COMPLETE SET  
Version flat-high – 6 mm / 10 mm high



Parking lot

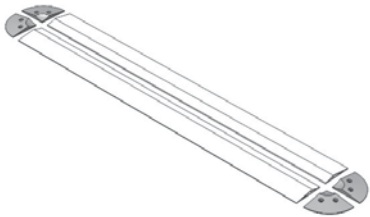
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

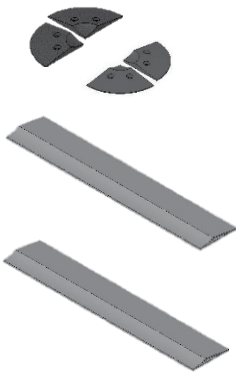
Example: 200442-0400A Parking lot set with the length 400 mm, anodized

Item no.	Length	Processing
200442-xxxxx		A
	Please fill in the length in mm requested	A = anodized B = pasted with warning tape (black and yellow)



This parking lot set consists of

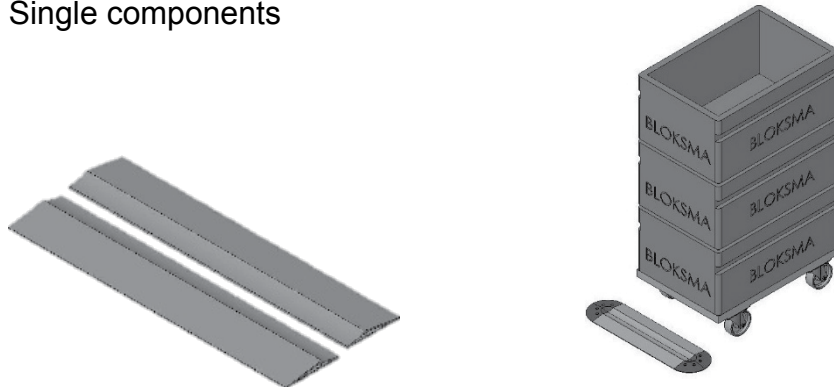
Item no.	Description
138729-H-N	1x end piece set parking lot ( contents per set: 4 pieces)
141427-xxxxA	1x Alu parking lot guide rails – 10mm high (contents per set: 1 piece)  xxxx = length in mm
144417-xxxxA	1x Alu parking lot guide rails – 6mm high (content per set: 1 piece)  xxxx = length in mm



All components are also available separately.

## PARKING LOTS

### Single components



### Parking lot

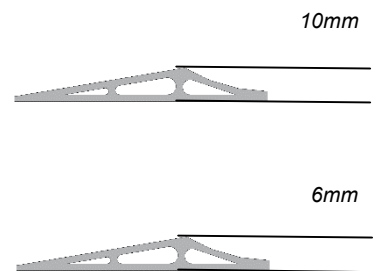
Safe parking of trolleys at work place  
– no risk of accidental move

Single components for self- assembly

Modular system

Example: **200449-0400A** Parking lot rail, 6mm high with the length 400 mm, anodized

Item no.	Length	Processing	Description
200448-xxxxA		A	Alu parking lot guide rail 10 mm high (contents: 2 pieces)
200449-xxxxA		A	Alu parking lot guide rail 6 mm high (contents: 2 pieces)
Please fill in the length in mm requested		A = anodized B = pasted with warning tape (black and yellow)	



Item no.	Description
138729-H-H 138729-N-N 138729-H-N	end piece parking lot contents per set: 4 pieces (screw / dowel)  for rail height 10 mm / 10 mm for rail height 6 mm / 6 mm for rail height 10 mm / 6 mm



Item no.	Description
201532	Screw + dowel contents per set: 1 piece

PARKING LOTS

Single components



Parking lot

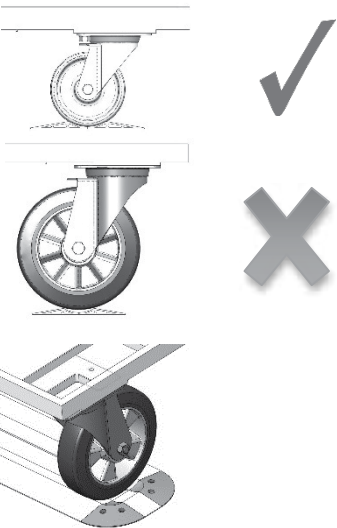
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

Distance pieces – parking lots

Item no.	Description	Model
200448-0020A	distance piece end piece parking lot wheel Ø 101 – 150 mm 20 mm wide	EPA – SCHIE
200448-0030A	distance piece end piece parking lot wheel Ø 150 – 180 mm 30 mm wide	EPA – SCHIE
200448-0040A	distance piece end piece parking lot wheel Ø more than 180 mm 40 mm wide	EPA – SCHIE



Floor marking tapes

Item no.	Description	Colour	Model
201674-xx	floor marking tapes width 50 mm – length 50 mtrs	— — ↑ ↑	ZUB – MARBA
Please select the desired colour and replace number of colour for xx.	01 = yellow 02 = red 03 = white 04 = dark blue 05 = green 06 = black 07 = orange 08 = light blue 09 = black-yellow warning tape 10 = blue-white warning tape		

Our solution:  
Use distance  
pieces

Example: **201674-01** floor marking tape in yellow 50 mm x 50 mtrs

## NOTES

## TRANSPORT LOGISTICS



### Logistics are when everything is in flow.

**BLOKSMA logistic systems guarantee a smooth work flow from the supply to delivery – we hereby create perfect prerequisites for lean production.**

If the material is always in flow from the sub-suppliers to your customers taxi carts and transport pallets by BLOKSMA play a major role. We offer safe logistics solutions for the storage and transport of carriers based upon standardized components. BLOKSMA logistic systems are available in different designs and with accessories for all kinds of requirements. Finally, each company is individual. How-

ever, milkrun-systems ensure maximum efficiency everywhere. With taxi carts and portal wagons by BLOKSMA only as much material is provided and supplied in assembly and production as needed – or that material is replaced which has already been used. Everything is exactly tailored to and adapted to your individual operating processes.



## TRANSPORT LOGISTICS

## Product Overview



### Transport Pallets and Racks TFG

116



### Milkrun – Taxi Carts

TRT

(Taxi cart with ramp / trailing system)

120



### Milkrun – Taxi Carts

TRT

(Taxi cart with ramp / axle-pivot steering system)

122



### Milkrun – Gantry Carts

TRP

(Trolleys run on their own wheels)

124



### Milkrun – Shelf Carts

TRR

125



### Milkrun – Platform Carts

TRP

126



### Transport Carts

TFW

127



### Transport Cabinets and Accessories

TFS

128

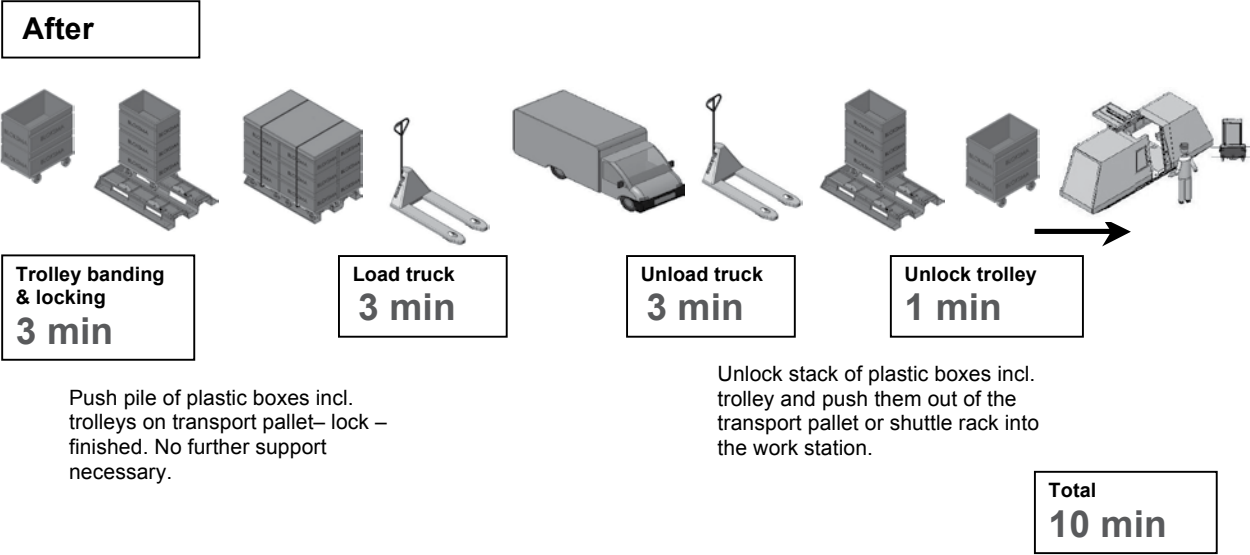
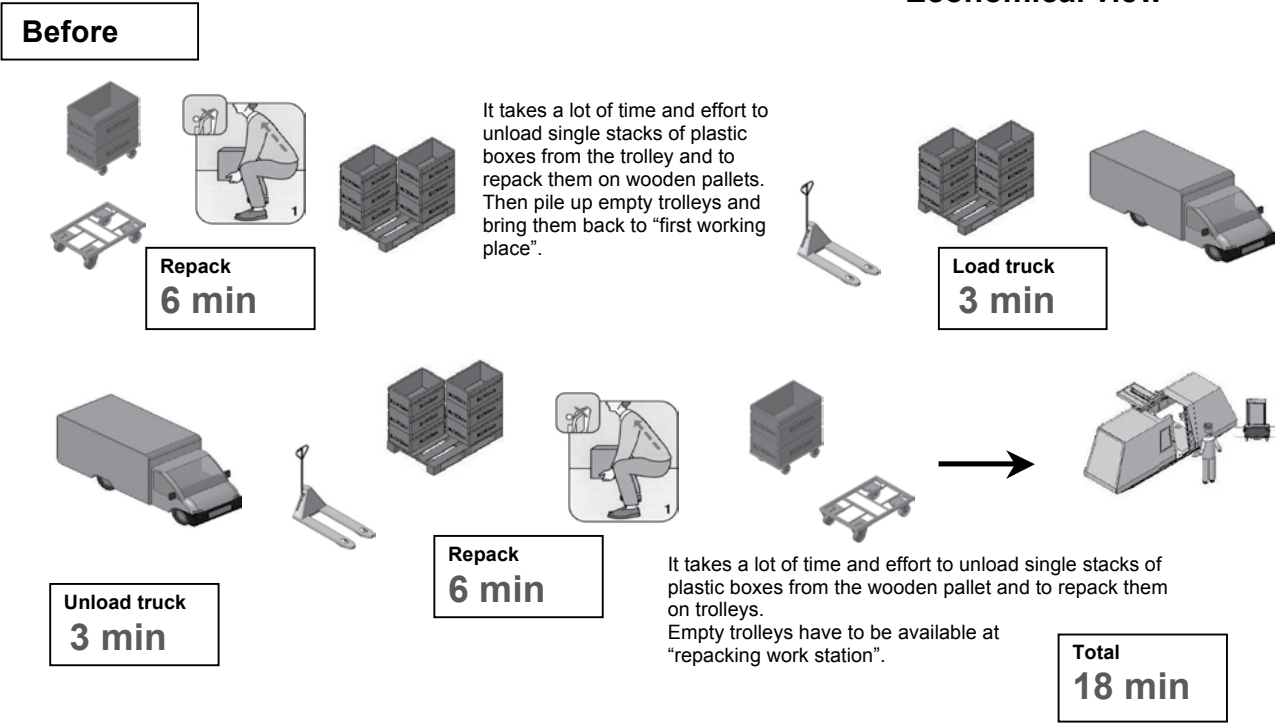


### Other Products

129

TRANSPORT LOGISTICS TRANSPORT PALLET & RACK

Economical view



Profitability – Sample calculation

Working time in minutes	Wooden pallet		Trolley	saved min.	= saved hours	384
Sum of searching and walking ways		18	10	8		
x Change of pallets per shift	4	72	40	32	x your wage hour rate	€
x Shifts per day	3	216	120	96	x your machine hour rate	€
x Day per year	240	51.840	28.800	23.040	Savings	€

## CHECKLIST TRANSPORT LOGISTICS

**Transport type** ☐ Taxi cart (trolleys loaded via ramp) ☐ Gantry cart (trolleys run on their own wheels)

Product to be carried – description and dimensions

**Product to be carried** ☐ Trolley 600 x 400 ☐ Trolley 800 x 600  
☐ Trolley 1.200 x 800 ☐ Other product:

**Number of cells** ☐ 1 Cell ☐ 2 Cells ☐ 3 Cells

**Loading weight per trolley**  kg

**Height of the goods**  mm

**Steering** ☐ Trailer ☐ Axle-pivot steering

**Loading direction** ☐ One side lengthwise ☐ Both sides lengthwise

☐ One side crosswise ☐ Both sides crosswise

**For pallet trucks / manual lift trucks the following information is required:**  mm  
**distance between the forks and the brand**

Features of the trolley

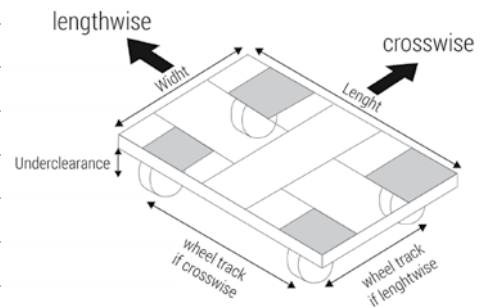
**Item no. / brand**

**Length**  mm

**Width**  mm

**Wheel diameter**  mm

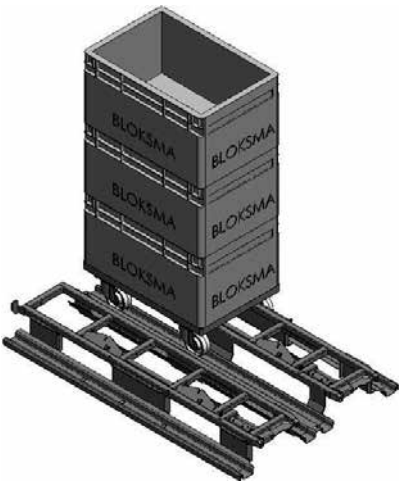
**Wheel pairing** ☐ 2 swivel / 2 fixed castors ☐ 4 swivel castors



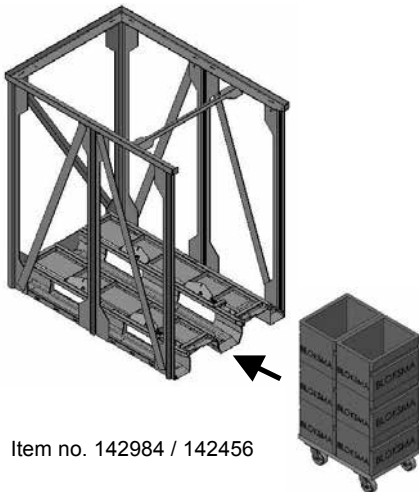
**Additional comments**

**Scaling**

TRANSPORT LOGISTICS



Item no. 143965 (1.200 x 800 mm)  
Item no. 147692 (1.200 x 1.000 mm)



Item no. 142984 / 142456

Transport Pallets and Racks  
TFG (open design) I

For fast and safe indoor transport of boxes or products

The trolley stacks are moved into the rack and the load is secured by a transportation lock

Transport of the rack by industrial trucks such as forklift truck, pallet truck (to a certain extend), electric pallet truck or similar)

To some extend the racks are stackable

Open systems

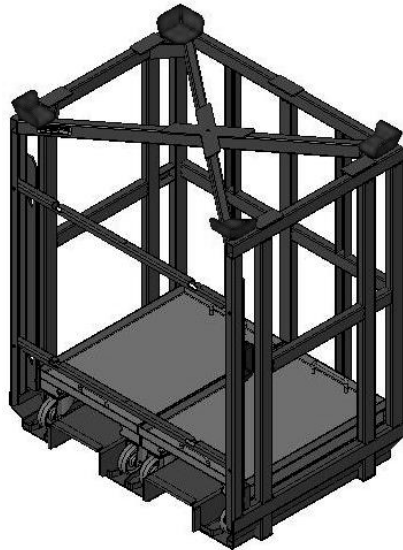
Various designs available (housing, colours, etc.)

More information on indoor and outdoor transport see page 279

Item no.	Product to be transported	Dimensions	Stackable
143965	4 Bloksma trolleys BOF 600 x 400 mm or 2 Bloksma trolleys BOF 800 x 600 mm	L = 1.200 mm B = 800 mm	yes / to a limited extend
142984	4 Bloksma trolleys BOF 600 x 400 mm or 2 Bloksma trolleys BOF 800 x 600 mm	L = 1.200 mm B = 800 mm	yes
142456	4 Bloksma trolleys BOF 600 x 400 mm as 142984 but with housing	L = 1.200 mm B = 800 mm	yes
147692	4 Bloksma trolleys BOF 600 x 500 mm	L = 1.200 mm B = 1.000 mm	yes / to a limited extend

Other models / dimensions on request.

## TRANSPORT LOGISTICS



Item no. 144616



Item no. 142730

## Transport Pallets and Racks TFG (open design) II

For fast and safe indoor transport of boxes or products

The trolley stacks are moved into the rack and the load is secured by a transportation lock

Transport of the rack by industrial trucks such as forklift truck, pallet truck (to a certain extend), electric pallet truck or similar)

To some extend the racks are stackable

Open systems

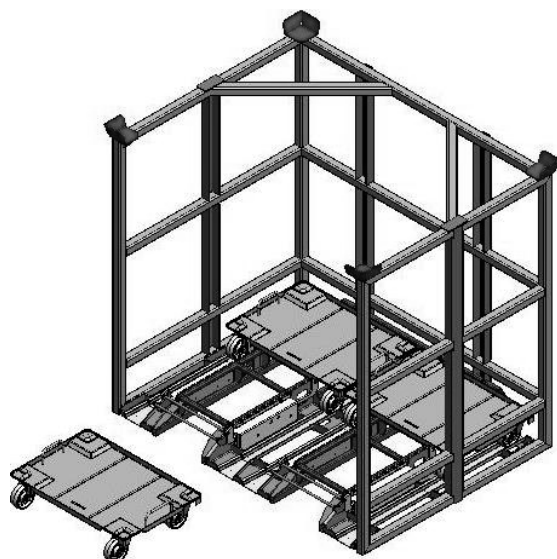
Various designs available (housing, colours, etc.)

**More information on indoor and outdoor transport see page 279**

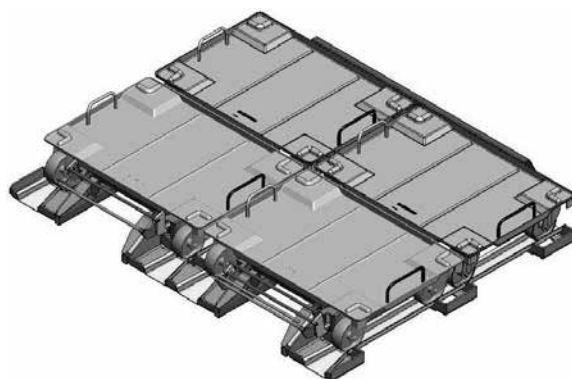
Item no.	Product to be transported	Dimensions	Stackable
144616	2 Bloksma trolleys BOZ 630 x 430 mm	L = 1.365 mm B = 964 mm	yes
142730	4 Bloksma trolleys BOZ 630 x 430 mm	L = 1.395 mm B = 1.045 mm	yes

**Other models / dimensions on request.**

## TRANSPORT LOGISTICS FOR BLOKSMA TROLLEY BOZ



Item no. 201537



## Transport Pallets and Racks TFG (open design) III

For fast and safe indoor transport of boxes or products

The trolley stacks are moved into the rack and the load is secured by a transportation lock

Transport of the rack by industrial trucks such as forklift truck, pallet truck (to a certain extend), electric pallet truck or similar)

To some extend the racks are stackable

Open systems

Various designs available (housing, colours, etc.)

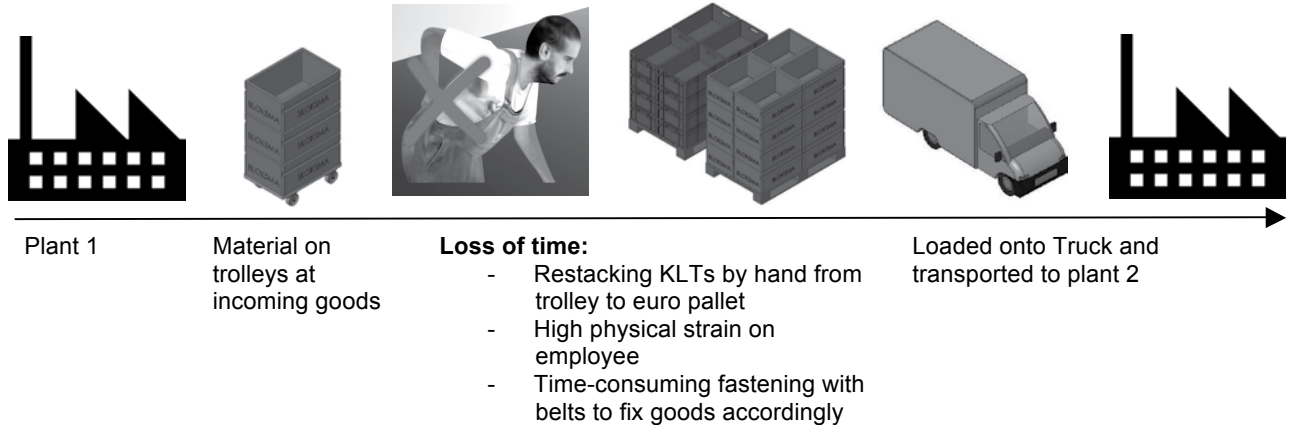
**More information on indoor and outdoor transport see page 279**

Item no.	Product to be transported	Dimensions	Stackable
146130	4 Bloksma BOZ Bloksma Bodenroller 630 x 430 mm	L = 1.286 mm B = 965 mm	yes / to a limited extend
201537	4 Bloksma BOZ Bloksma Bodenroller 630 x 430 mm	L = 1.420 mm B = 1.083 mm	yes

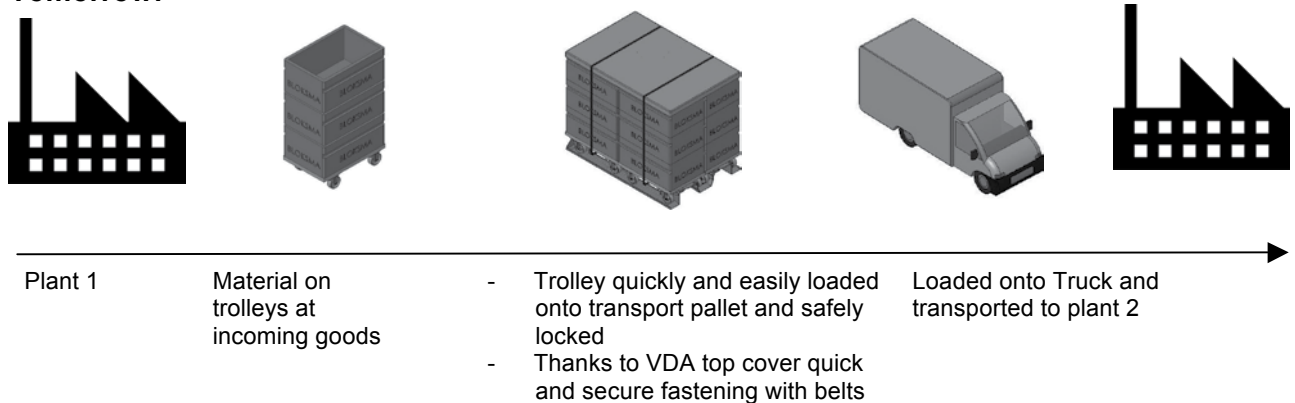
**Other models / dimensions on request.**

## TRANSPORT LOGISTICS







### Today:



### Tomorrow:

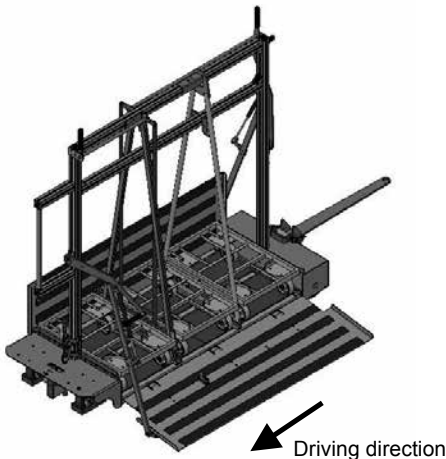


### Economic perspective:

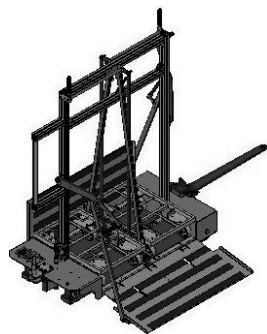
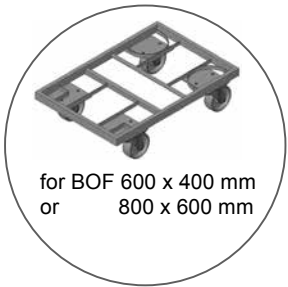
			
 1x	18 min	10 min	Δ 8 min
 4x pro Schicht per shift	72 min	40 min	Δ 32 min
 3x pro Tag per day	216 min	120 min	Δ 96 min
 240x pro Jahr per year	51.840 min	28.800 min	Δ 23.040 min



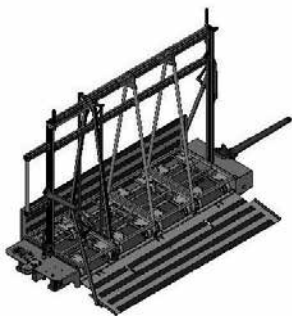
TRANSPORT LOGISTICS MILKRUN



Item no. 138632-3 Zell



Item no. 138632-3 Zell



Item no. 138632-4 Zell

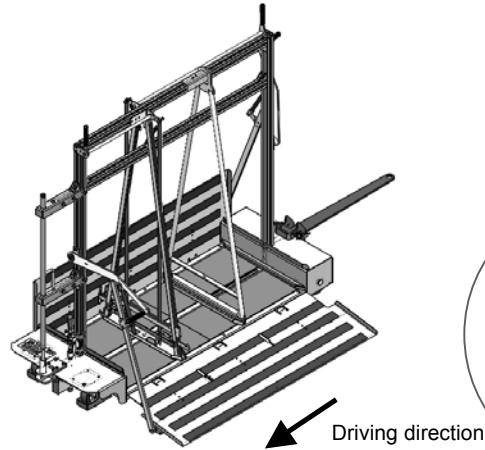
Taxi Carts  
TRT I  
With ramps / trolleys loaded via ramp

- For fast and safe indoor transport of trolleys with boxes
- Easy handling: Unlock ramps, move trolleys into the taxi cart (resp. Remove them from the taxi cart) and lock the ramp. The taxi cart can continue ist routing.
- Drawbars adapted to your tractor at extra charge
- Smooth-running opening and closing of ramps
- Loading from one or both sides possible
- Designed for indoor transport only
- Max. load capacity 750 kg

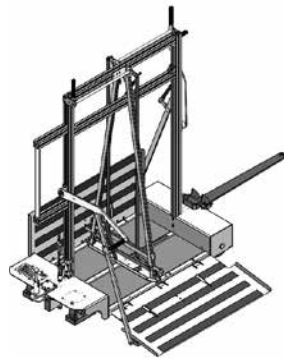
Item no.	Product to be transported	Features of wheels	Steering
138632-3 Zell	3 trolleys 600 x 400 mm or 1 trolley 800 x 600 mm and 1 trolley 600 x 400 mm loading and unloading from both sides	Ø 160 mm Polyurethan	trailing steering system
138632-4 Zell	4 trolleys 600 x 400 mm or 1 trolley 800 x 600 mm and 2 trolleys 600 x 400 mm loading and unloading from both sides	Ø 160 mm Polyurethan	trailing steering system
138632-2 Zell	2 trolleys 600 x 400 mm or 1 trolley 800 x 600 mm loading and unloading from both sides	Ø 160 mm Polyurethan	trailing steering system

Other models / dimensions on request.

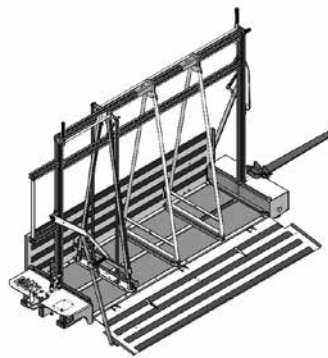
## TRANSPORT LOGISTICS MILKRUN



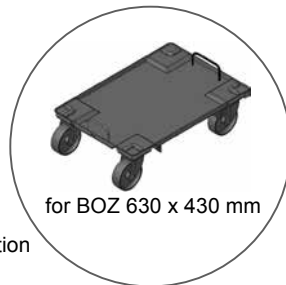
Item no. 201511-3 Zell



Item no. 201511-2 Zell



Item no. 201511-4 Zell



for BOZ 630 x 430 mm

## Taxi Carts

### TRT II

#### With ramps / trolleys loaded via ramp

For fast and safe indoor transport of trolleys with boxes

Easy handling: Unlock ramps, move trolleys into the taxi cart (resp. Remove them from the taxi cart) and lock the ramp. The taxi cart can continue its routing.

Drawbars adapted to tractor

Smooth-running opening and closing of ramps

Various steering systems possible

Loading from one or both sides possible

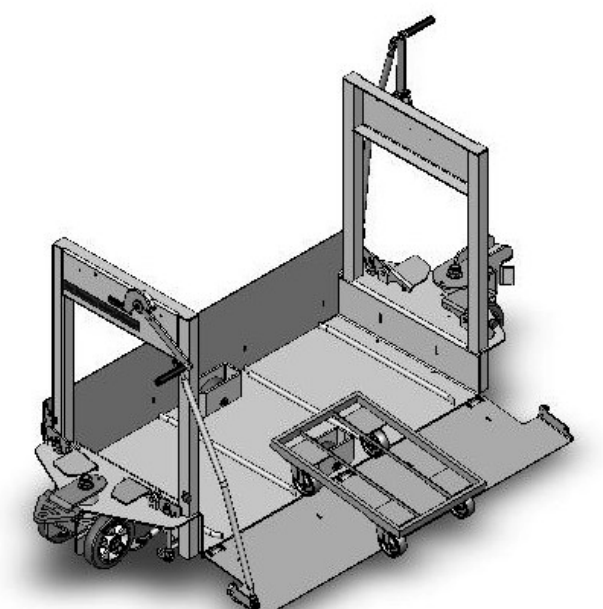
Designed for indoor transport only

Max. load capacity 750 kg

Item no.	Product to be transported	Features of wheels	Steering
201511-4 Zell	4 trolleys 630 x 430 mm	Ø 160 mm Polyurethan	trailing steering system
201511-3 Zell	3 trolleys 630 x 430 mm	Ø 160 mm Polyurethan	trailing steering system
201511-2 Zell	2 trolleys 630 x 430 mm	Ø 160 mm Polyurethan	trailing steering system

Other models / dimensions on request.

TRANSPORT LOGISTICS MILKRUN



Item no. 133287

**Taxi Carts**  
**TRT III**  
**With ramps / trolleys loaded via ramp**

For fast and safe indoor transport of trolleys with boxes

Easy handling: Unlock ramps, move trolleys into the taxi cart (resp. Remove them from the taxi cart) and lock the ramp. The taxi cart can continue its routing.

Drawbars adapted to tractor

Smooth-running opening and closing of ramps

**Axle-pivot steering system**

Loading from one or both sides possible

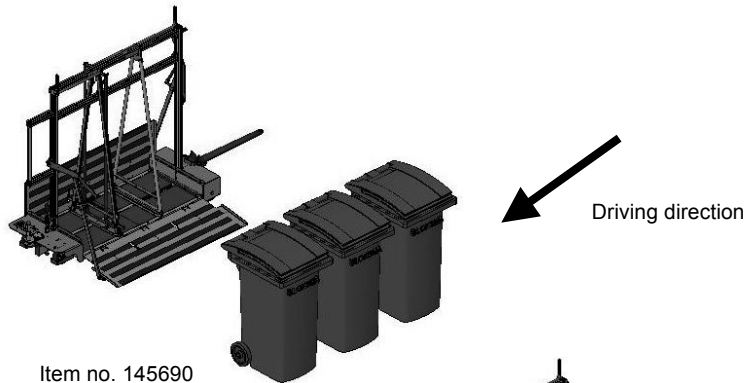
Designed for indoor transport only

Max. load capacity 750 kg

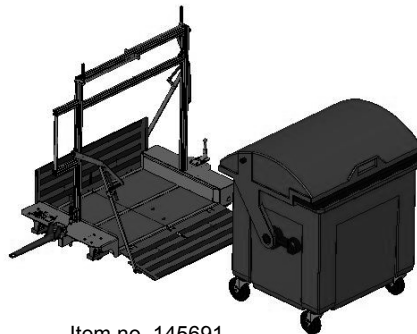
Item no.	Product to be transported	Features of wheels	Steering
133287	3 trolleys 600 x 400 mm Model BOF (see chapter TROLLEYS) loading and unloading from both sides	Ø 200 mm Polyurethan	axle-pivot steering system

Other models / dimensions on request.

## TRANSPORT LOGISTICS MILKRUN



Item no. 145690



Item no. 145691

## Taxi Carts

### TRT IV

#### With ramps / trolleys loaded via ramp

For fast and safe indoor transport of trolleys with boxes

Easy handling: Unlock ramps, move trolleys into the taxi cart (resp. Remove them from the taxi cart) and lock the ramp. The taxi cart can continue its routing.

Drawbars adapted to tractor

Smooth-running opening and closing of ramps

Trailing steering system

Loading from one or both sides possible

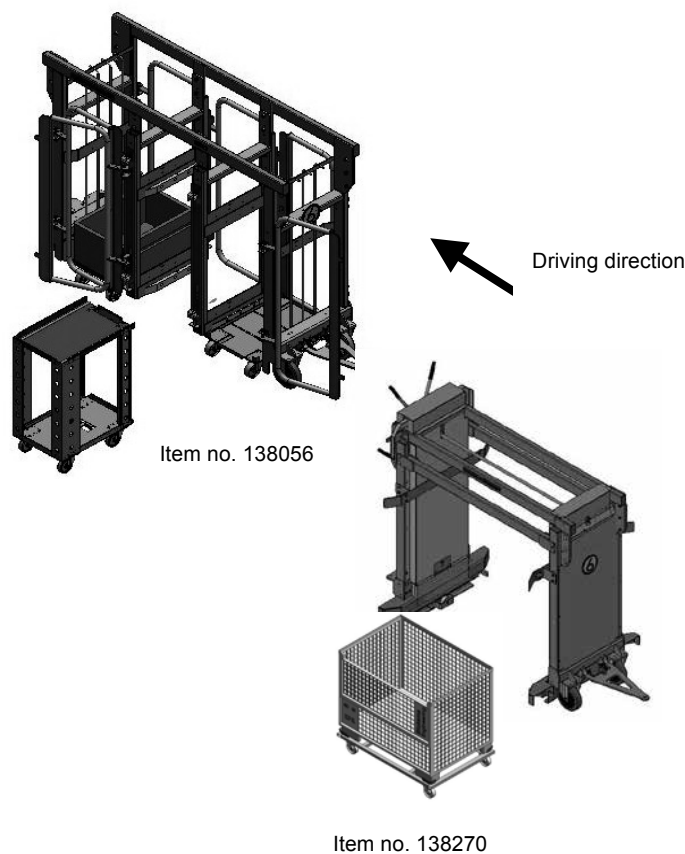
Designed for indoor transport only

Max. load capacity 750 kg

Item no.	Product to be transported	Features of wheels	Steering
145690	3 small dustbins	Ø 200 mm Polyurethan	trailing steering system
145691	1 big dumpster	Ø 200 mm Polyurethan	trailing steering system

Other models / dimensions on request.

TRANSPORT LOGISTICS MILKRUN



Gantry Carts  
TRP I

**Trolleys run on their own wheels – can be loaded from both sides**

For fast and safe indoor transport of trolleys with boxes

When the doors are unlocked, the trolleys are moved into the cart, (respectively removed from the cart).

Once the bolts are locked, the cart continues its routing.

Drawbars adapted to your tractor

Steering: hanger system

Various designs available (housing, colours, etc.)

Designed for indoor transport only

Max. load / towing capacity 500 kg

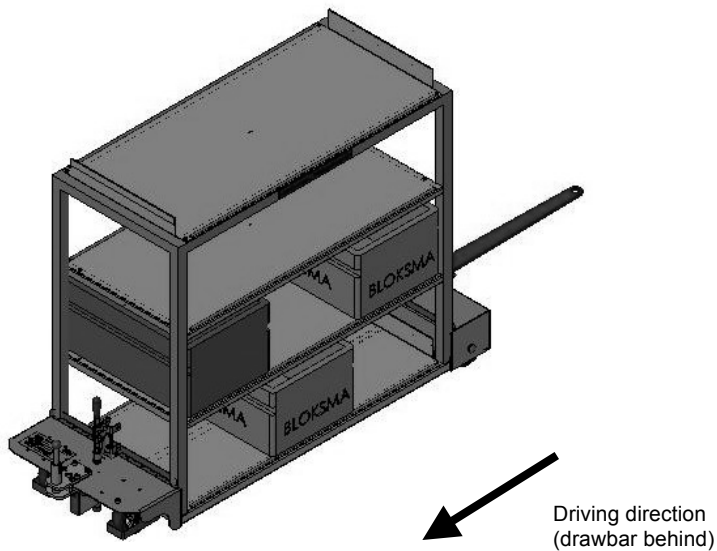
Item no.	Product to be transported	Features of wheels	Trolley with
138056	3 trolleys 600 x 400 mm up to 620 x 420 mm	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
138270	1 trolley 1.265 x 865 mm	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors

This product range can also be adapted to other trolley dimensions such as 400 x 400 mm and 600 x 800 mm

Other models / dimensions on request.

## TRANSPORT LOGISTICS MILKRUN

## Shelf Carts TRR



Item no. 143102

For fast and safe indoor transport of boxes

The boxes/bins are manually placed onto respectively removed from the shelves

Drawbar adapted to your tractor

Steering system: trailing steering system

Available in various designs (steel, tubular or aluminium profile system)

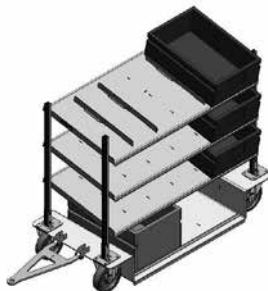
Max. load 350 kg

For indoor transport only

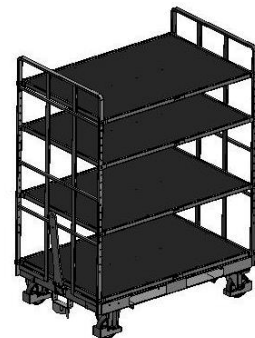
Various designs available (housing, colours, etc.)



Item no. 202673



Item no. 136240



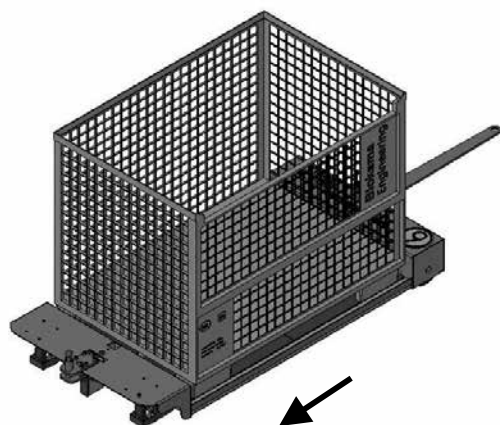
Item no. 202674

Item no.	Product to be transported	Features of wheels	Trolley with
143102	KLT 600 x 400 mm up to 12 units	Ø 125 mm Polyurethan	2 swivel and 2 fixed castors
202673	KLT 600 x 400 mm up to 15 units	Ø 125 mm Polyurethan	2 swivel and 2 fixed castors
136240	KLT 600 x 400 mm up to 11 units partly with inclined shelf	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
202674	KLT 600 x 400 mm oder 800 x 600 mm up to 16 units	Ø 150 mm Polyurethan	2 swivel and 2 fixed castors

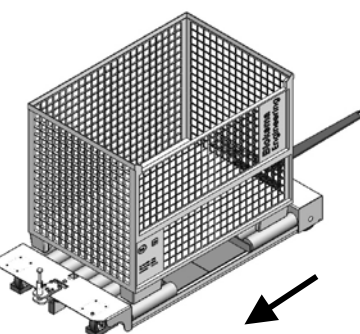
Other models / dimensions on request.



## TRANSPORT LOGISTICS MILKRUN



Item no. 13319



Item no. 201855

Driving direction

## Platform Taxi Carts TRP II

For fast and safe indoor transport of containers.

The containers are moved onto resp. removed from the taxi cart by means of forklift trucks / electric pallet trucks or other industrial trucks.

Drawbars adapted to your tractor.

Steering system: trailing steering system

Max. load 500 kg

Designed for indoor transport only

Various versions available (housing, colours, etc.)

Item no.	Product to be transported	Remark	Features of wheels	Trolley with
133191	pallet cage or pallet size 1.200 x 800 mm		Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
136995	pallet cage or pallet size 1.200 x 800 mm		Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
201855-0800	pallet cage or pallet size 1.200 x 800 mm	with roller track	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
201855-1000	pallet cage or pallet size 1.200 x 800 mm	with roller track	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors

Other models / dimensions on request.



## TRANSPORT LOGISTICS

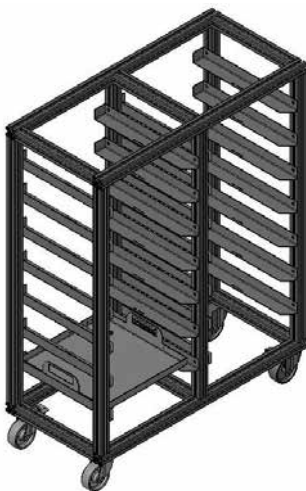
## Transport Carts TRW

For fast and safe indoor transport of boxes or products

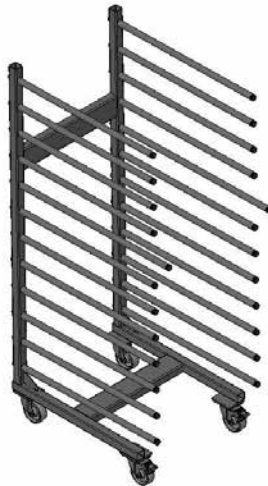
Manual loading and unloading of boxes / products

Mostly manual transport

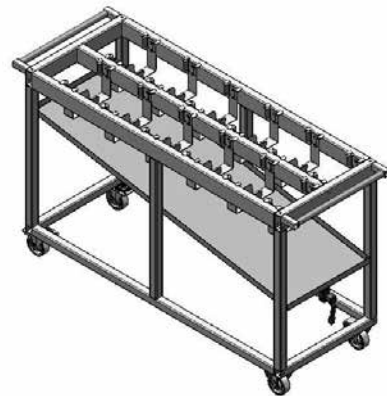
Various designs available (housing, colours, etc.)



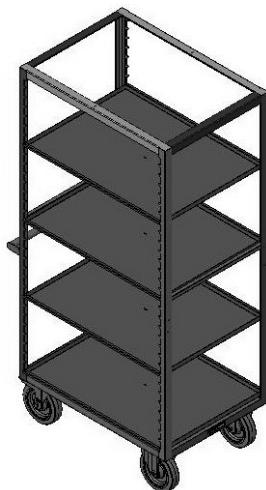
Item no. 130052



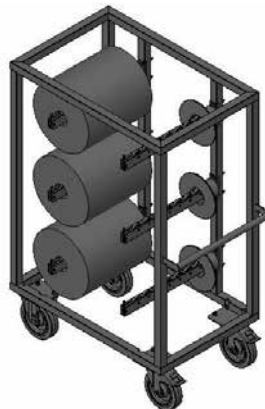
Item no. 138869



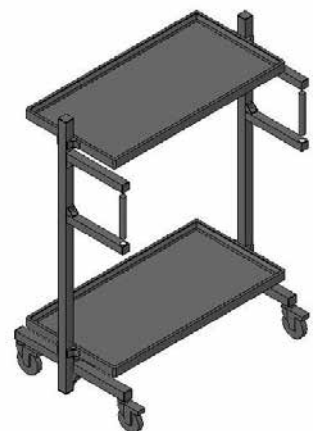
Item no. 132330



Item no. 142824



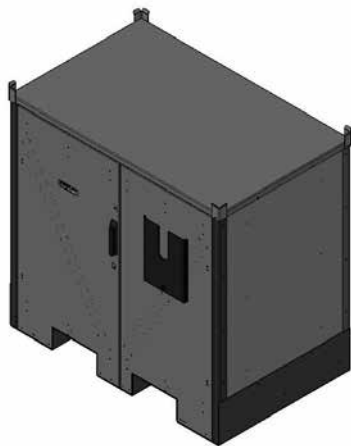
Item no. 142823



Item no. 139663

Other models / dimensions on request.

## TRANSPORT LOGISTICS



Item no. 129937



Item no. 124853



Item no. 129056

## Racks und Cabinets TFS (closed design)

For fast and safe indoor transport of boxes or products

The trolley stacks are moved into the cabinet and the door is closed.

Transport by industrial trucks such as forklift truck, pallet truck (to a certain extend), electric pallet truck or similar)

On request, the racks are stackable

Closed systems

Various designs available (housing, colours, etc.)

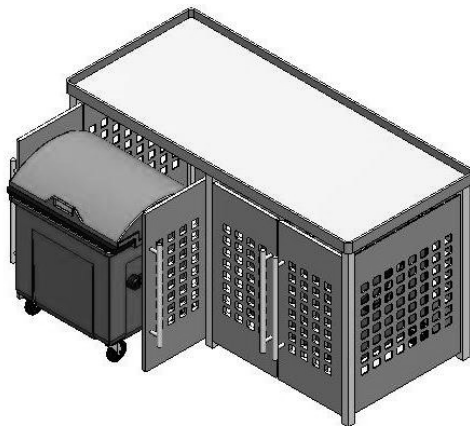
**More information on indoor and outdoor transport see page 279**

Item no.	Product to be transported	Dimensions	Stackable
129937	2 trolley stacks size of trolley 680 x 510 mm	L = 1.175 mm B = 750 mm	yes
124853	2 trolley stacks size of trolley 630 x 430 mm BOZ	L = 1.010 mm B = 690 mm	yes
129056	2 trolley stacks size of trolley 630 x 430 mm as well as 1 shelf for 2 KLT 600 x 400 mm	L = 1.010 mm B = 690 mm	yes

**Other models / dimensions on request.**

## TRANSPORT LOGISTICS

## Material Collective Box WSB



Item no. 202675-2Zell

Suitable for e.g. commercial dustbins

Lockable on request

Load capacity: 2-3 or 4 dustbins

Various designs possible (housing, colours, etc.)



Item no. 202675-3Zell



Item no. 202675-4Zell



Item no. 202676-3Zell



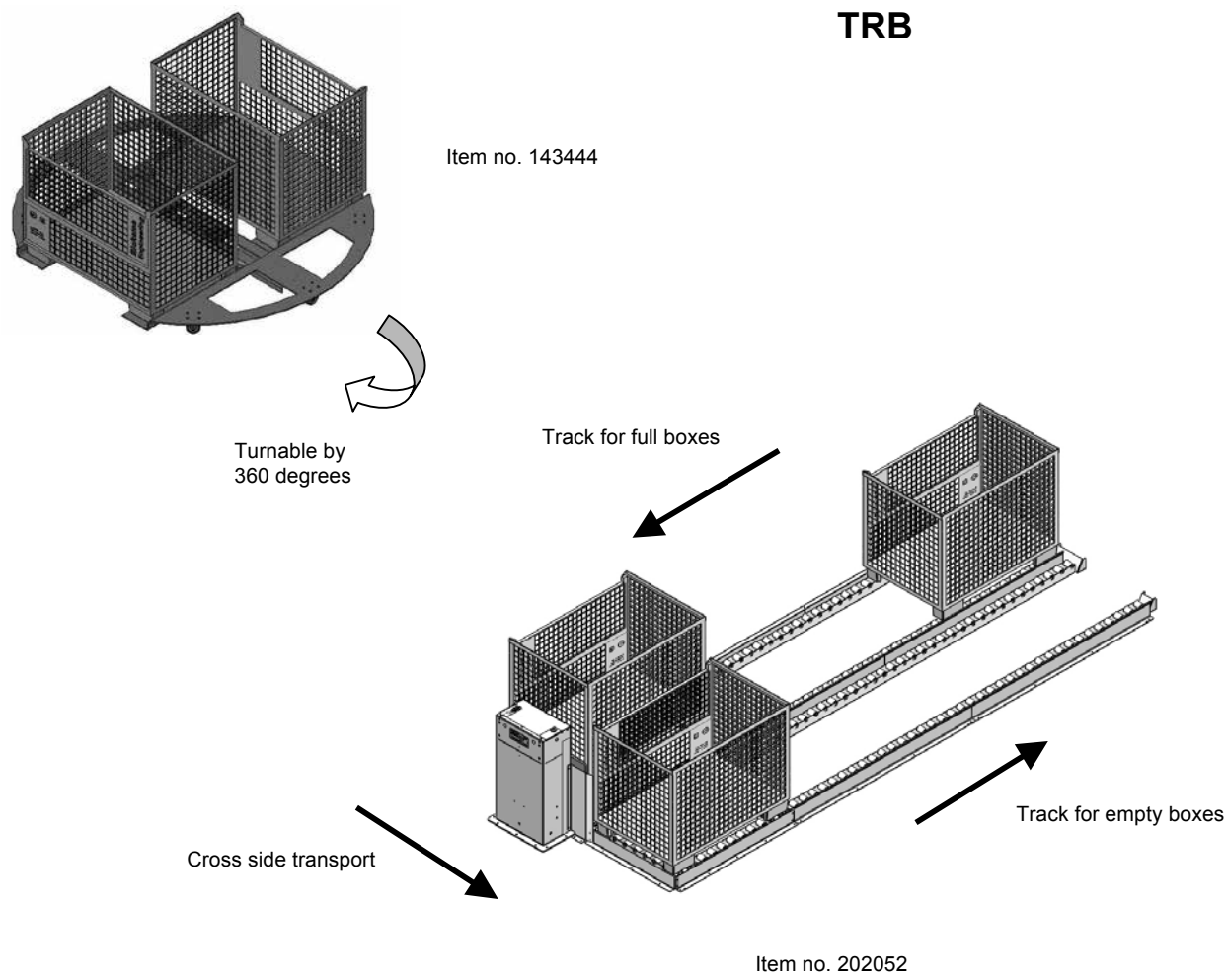
Item no. 202676-4Zell

Item no.	Product to be transported	Remark
202675-2Zell	2 large dustbins / dumpsters	shelf space on top
202675-3Zell	3 small dustbins	shelf space on top
202675-4Zell	4 small dustbins	shelf space on top
202676-3Zell	3 small dustbins	with round covering cap
202676-4Zell	4 small dustbins	with round covering cap

Other models / dimensions on request.

TRANSPORT LOGISTICS

Providing of Pallet Cages / Containers  
TRB

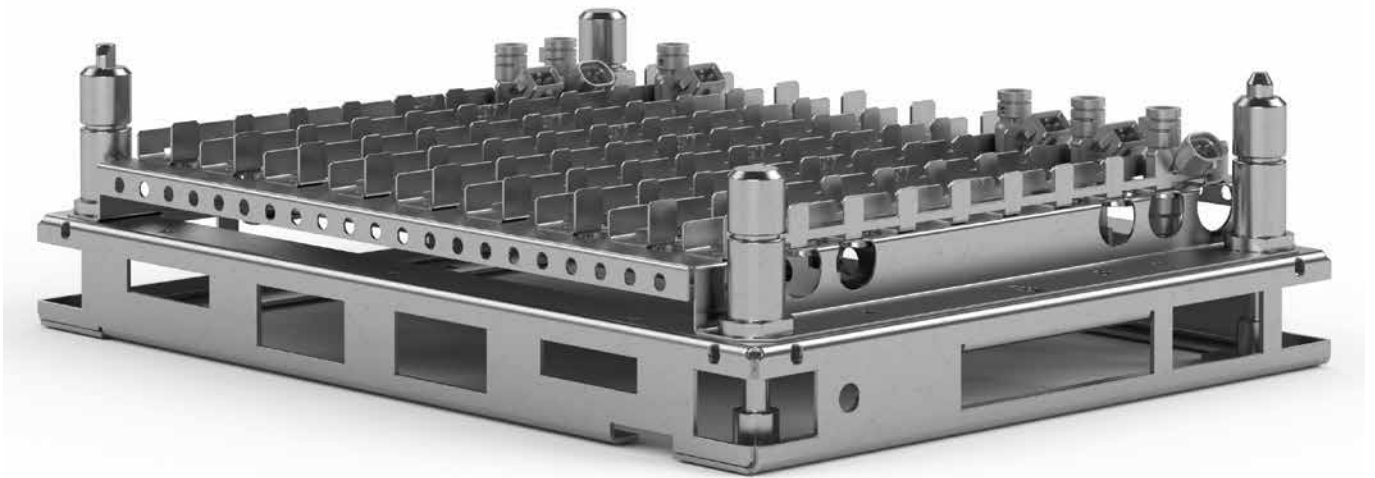


Item no.	Product to be transported	Remark
143444	pallet cage or pallet size 1.200 x 800 mm	turning device with roller track
202052	pallet cage or pallet size 1.200 x 800 mm	push-station with roller track

Other models / dimensions on request.

## NOTES

## WORKPIECE CARRIERS



### Customized and tailormade quality for the automated manufacturing.

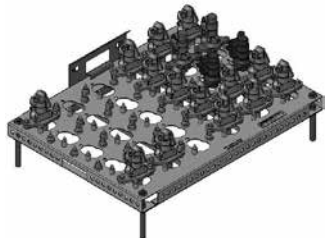
**From small and light to large and heavy – BLOKSMA offers customized workpiece carrier systems for the automated manufacturing. In more than 2500 individual designs and dimensions.**

Workpiece carriers have become indispensable in automated production. They are used to hold workpieces and transport them carefully and safely to their destination. Therewith the geometry of the workpieces determine the construction type of the loadbearing system. Workpiece carriers by BLOKSMA are therefore individually manufactured and tailormade according to their function and task. The

rapid-prototyping-method ensures already in the development phase of your system highest possible precision. And even otherwise we are oriented exactly towards your needs:

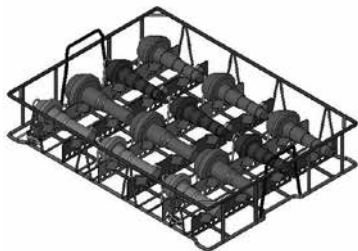
Depending on requirements of the parts to be transported you can choose among a wide range of materials – and of course in your required dimensions and with fix or variable partial removal.

## WORKPIECE CARRIERS Product Overview



**Workpiece carriers for light, small and high-precision components**  
WTB

136



**Workpiece carriers for big and heavy components**  
WTD

138



**Workpiece carriers for light and moderate components**  
WTR

140



**Workpiece carriers standard**

142

Wire	size	600 x 400 mm
Wire	size	800 x 600 mm
Heavy	size	800 x 600 mm
Heavy	size	1.200 x 800 mm



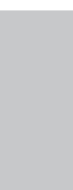
**Accessories**

146



# MATERIAL IN FLOW

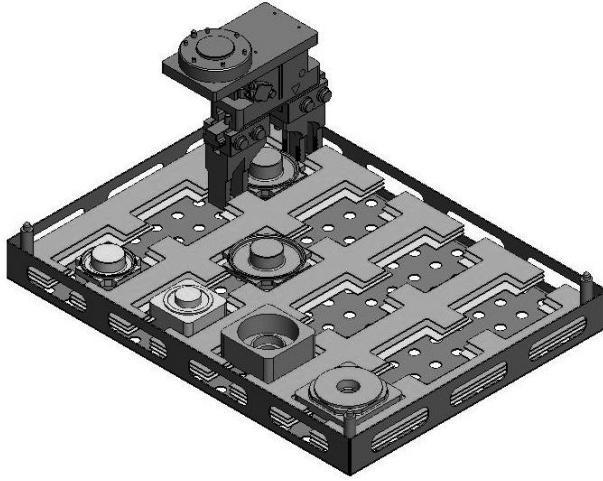
## NOTES



## CHECKLIST WORKPIECE CARRIER (WPC)

Length	<input type="text"/>	mm
Width	<input type="text"/>	mm
Height	<input type="text"/>	mm
Handling	<input type="checkbox"/> manual	<input type="checkbox"/> automatic
At which point the component is taken?	<input type="text"/>	
Critical points?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Demand part matrix	<input type="text"/>	
Given nest tolerance?	<input type="text"/>	<input type="text"/>
Protection needed for the products to be carried?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Description:		<input type="text"/>
Stackable	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Non-rotating during stacking necessary?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Stacking accuracy	<input type="text"/>	mm
Washing characteristics	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Medium / temperature etc. for washing? Please describe exactly! (Attention: higher costs!)	<input type="text"/>	
During the washing process the WPC will be	<input type="checkbox"/> pivoted	<input type="checkbox"/> rotated (360°)
		<input type="checkbox"/> plunged
Surface	<input type="checkbox"/> Steel galvanized	<input type="checkbox"/> Steel colour powder coated
	<input type="checkbox"/> Aluminium anodised	<input type="checkbox"/> Aluminium natural
Additional comments	<input type="text"/>	

## WORKPIECE CARRIERS



Item no. 201403

### Workpiece Carrier WTB I

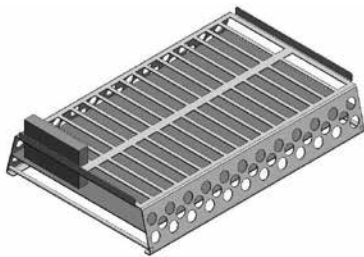
for light, small and high-precision components

Adapted for automated production

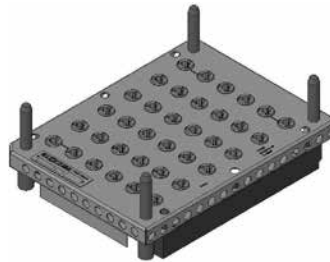
For high-precision and delicate components

Pick-up elements (metal or plastic) adapted to products to be carried

Made of steel, stainless steel, aluminium or combinations



Item no. 201465



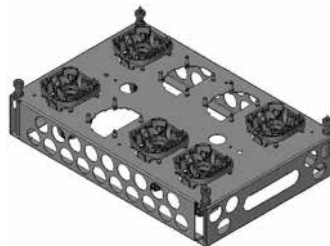
Item no. 146684



Item no. 147667



Item no. 139374



Item no. 137432



Item no. 131031

Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.

## WORKPIECE CARRIERS

### Workpiece Carrier WTB II

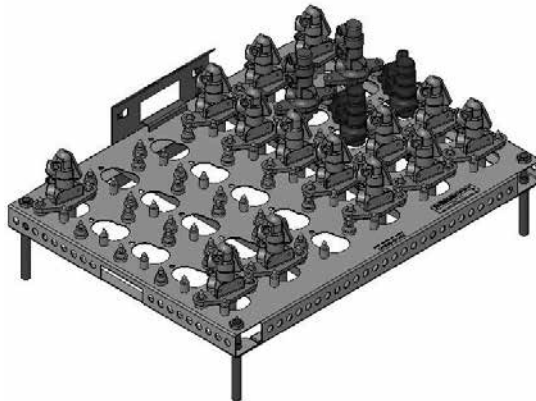
for light, small and high-precision  
components

Adapted for automated production

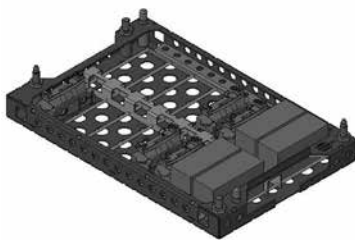
For high-precision and delicate  
components

Pick-up elements (metal or plastic)  
adapted to products to be carried

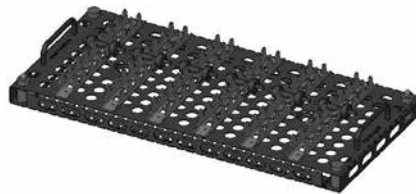
Made of steel, stainless steel, aluminium  
or combinations



Item no. 130365



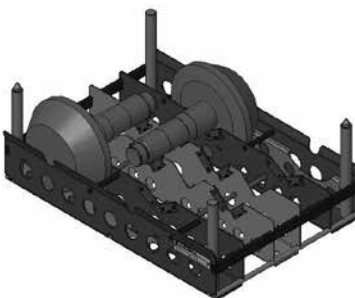
Item no. 130452



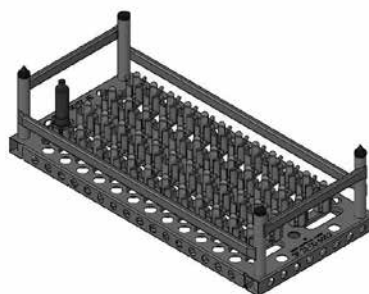
Item no. 124392



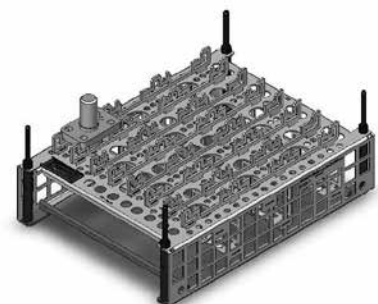
Item no. 132117



Item no. 127971



Item no. 138207



Item no. 129741

Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.

## WORKPIECE CARRIERS

### Workpiece Carrier WTD I

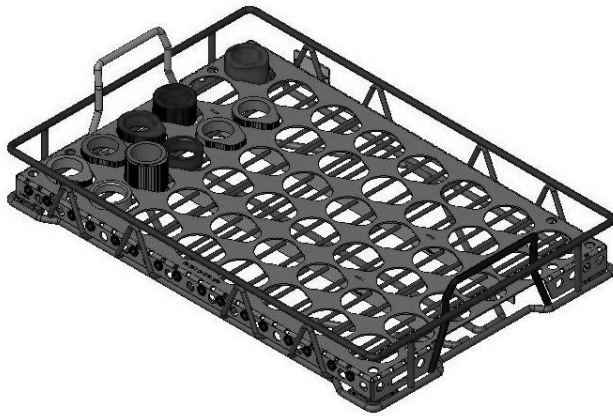
for light and moderate  
components

Adapted for automated production

For high-precision and delicate  
components

Pick-up elements (metal or plastic)  
adapted to products to be carried

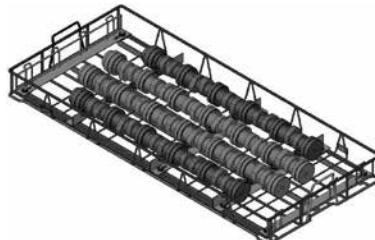
Made of steel, stainless steel, aluminium  
or combinations



Item no. 144330



Item no. 144793



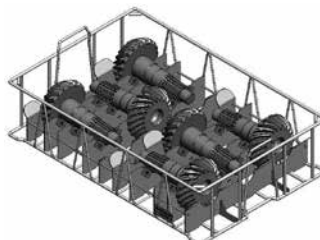
Item no. 142176



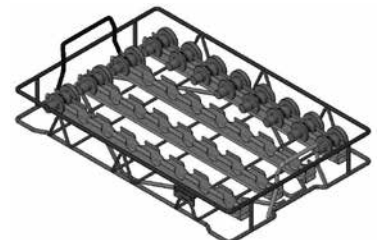
Item no. 136304



Item no. 133106



Item no. 147983



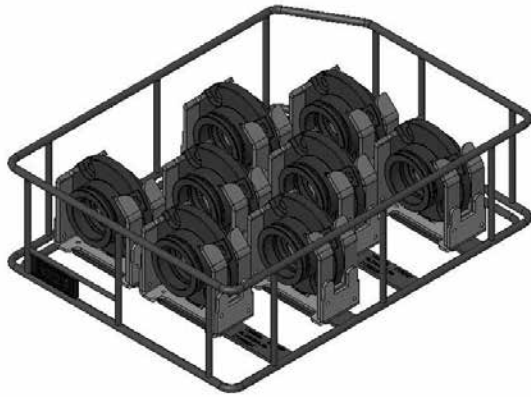
Item no. 131661

Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.



## WORKPIECE CARRIERS



Item no. 129333

### Workpiece Carrier WTD II

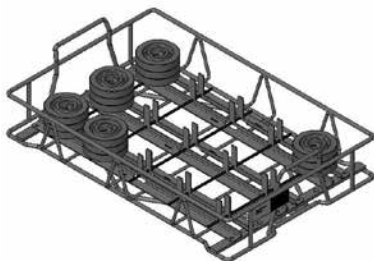
for light and moderate  
components

Adapted for automated production

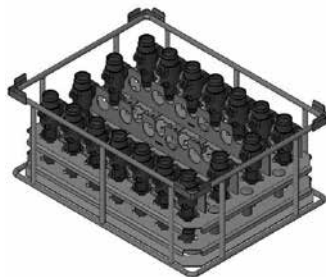
For high-precision and delicate  
components

Pick-up elements (metal or plastic)  
adapted to products to be carried

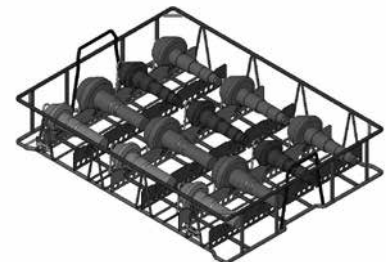
Made of steel, stainless steel, aluminium  
or combinations



Item no. 127319



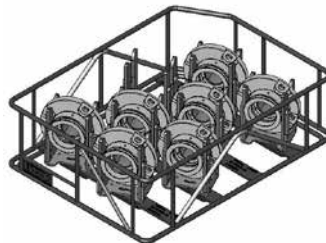
Item no. 132362



Item no. 128288



Item no. 124520



Item no. 133555



Item no. 136304

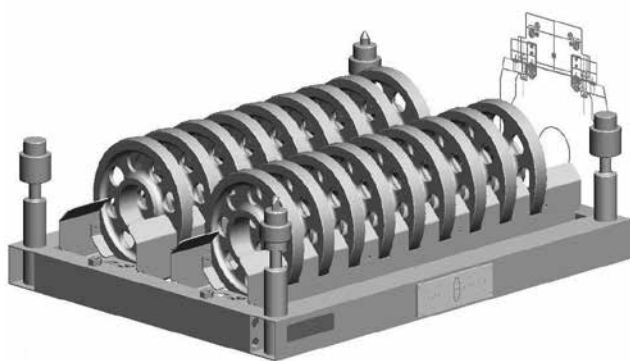
Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.

## WORKPIECE CARRIERS

### Workpiece Carrier WTR I

for heavy and big components



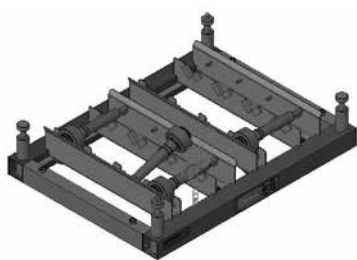
Item no. 133881

Adapted for automated production

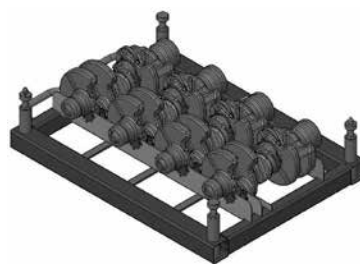
For high-precision and delicate components

Pick-up elements (metal or plastic) adapted to products to be carried

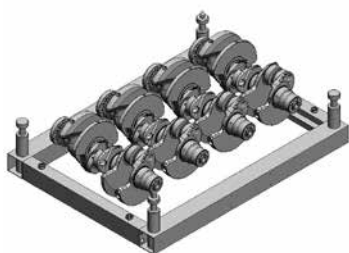
Made of steel, stainless steel, aluminium or combinations



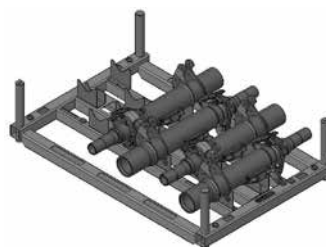
Item no. 131703



Item no. 142802



Item no. 141595



Item no. 128285

Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

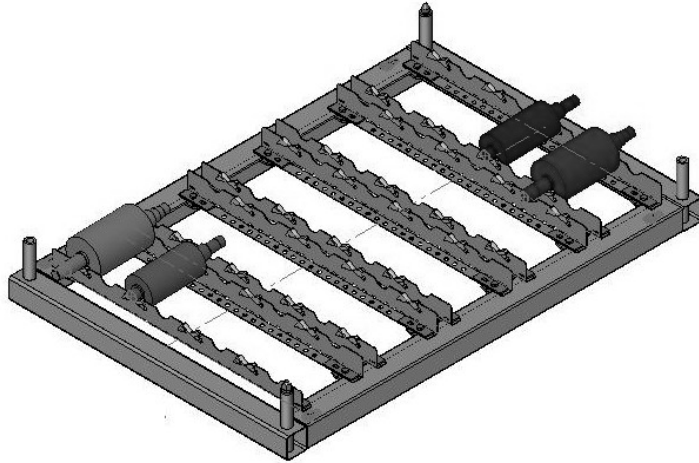
During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.



## WORKPIECE CARRIERS

### Workpiece Carrier WTR II

for heavy and big components



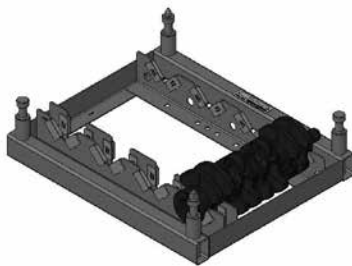
Item no. 131587

Adapted for automated production

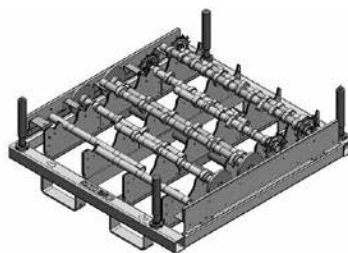
For high-precision and delicate components

Pick-up elements (metal or plastic) adapted to products to be carried

Made of steel, stainless steel, aluminium or combinations



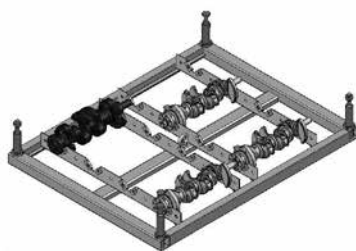
Item no. 131751



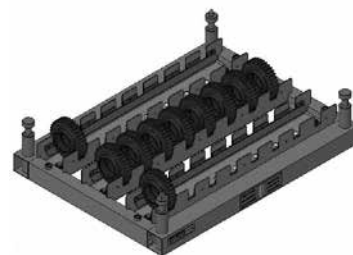
Item no. 132719



Item no. 126708



Item no. 133904

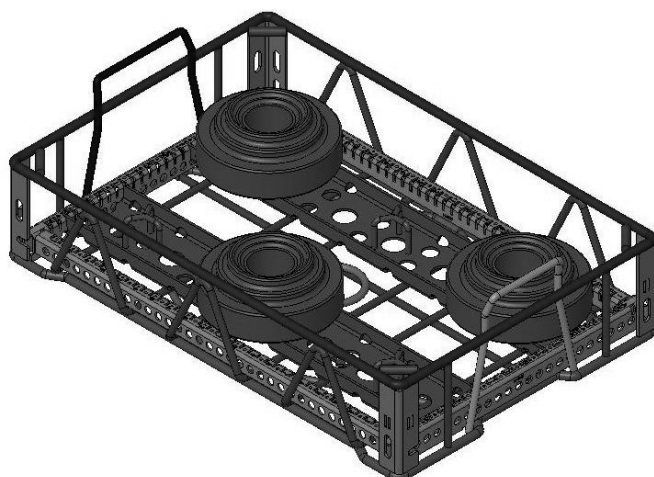


Item no. 139824

Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.

## WORKPIECE CARRIERS



### Workpiece Carrier Universal 600 x 400 mm Wire-Metal Sheet Combination

Suitable for automated production

Very high positioning accuracy

Good washing properties

Pick-up elements (metal or plastic)  
adapted to products to be carried

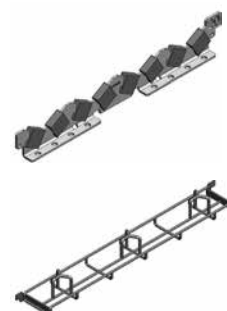
Made of steel, stainless steel, aluminium  
or combinations

Item no.	WPC-size	Remarks
202864-090-A	600 x 400 x 90 mm	Grid strips in the X- and Y-axis
202864-130-A	600 x 400 x 130 mm	Grid strips in the X- and Y-axis
202864-200-A	600 x 400 x 200 mm	Grid strips in the X- and Y-axis



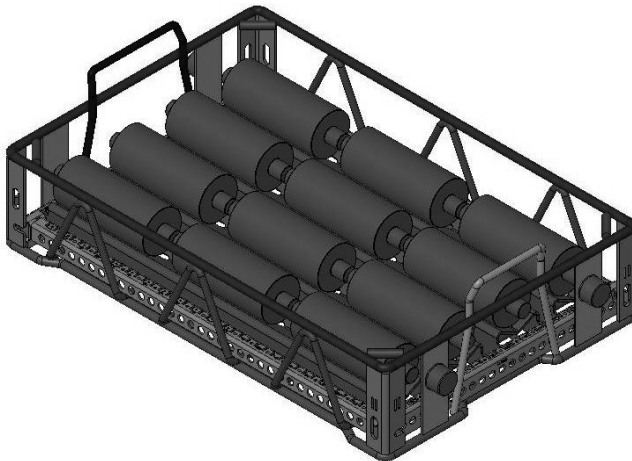
Example: 202864-090-A, stack height 90 mm, Pitch A = 12,50 mm

Item no.	WPC-size	Remarks
xxxxxx	600 x 400 mm	Receiving profiles are customized.



## WORKPIECE CARRIERS

### Workpiece Carrier Universal 800 x 600 mm Wire-Metal Sheet Combination



Suitable for automated production

Very high positioning accuracy

Good washing properties

Pick-up elements (metal or plastic)  
adapted to products to be carried

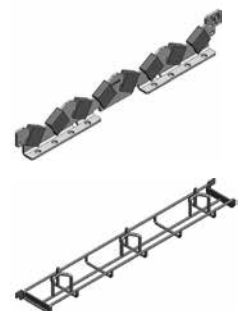
Made of steel, stainless steel, aluminium  
or combinations

Item no.	WPC-size	Remarks
202871-090-A	800 x 600 x 90 mm	Grid strips in the X- and Y-axis
202871-130-A	800 x 600 x 130 mm	Grid strips in the X- and Y-axis
202871-200-A	800 x 600 x 200 mm	Grid strips in the X- and Y-axis



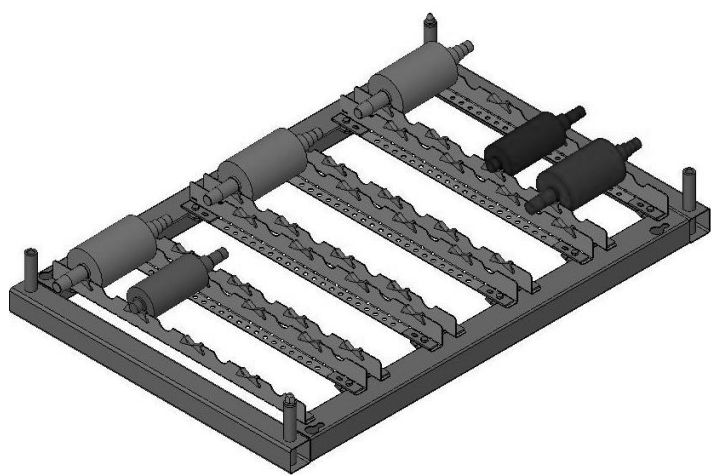
Example: 202871-090-A, stack height 90 mm, Pitch A = 12,50 mm

Item no.	WPC-size	Remarks
xxxxx	800 x 600 mm	Receiving profiles are customized



WORKPIECE CARRIERS

Workpiece Carrier  
Universal 800 x 600 mm  
for heavy and big components



Suitable for automated production

Very high positioning accuracy

Good washing properties

Pick-up elements (metal or plastic) adapted to products to be carried

Made of steel, stainless steel, aluminium or combinations

Item no.	WPC-size	Remarks
202872-xxx-S	800 x 600 x SH	Grid strips in the X- and Y-axis



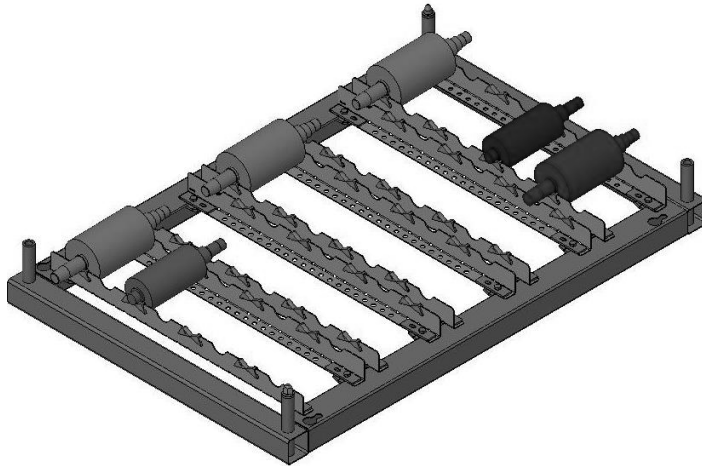
Example: 202872-xxx-S, stack height xxx mm, Pitch S

Item no.	WPC-size	Remarks
xxxxxx	800 x 600 mm	Receiving profiles are customized



## WORKPIECE CARRIERS

### Workpiece Carrier Universal 1.200 x 800 mm for heavy and big components



Suitable for automated production

Very high positioning accuracy

Good washing properties

Pick-up elements (metal or plastic) adapted to products to be carried

Made of steel, stainless steel, aluminium or combinations

Item no.	WPC-size	Remarks
202873-xxx-S	1.200 x 800 x SH	Grid strips in the X- and Y-axis



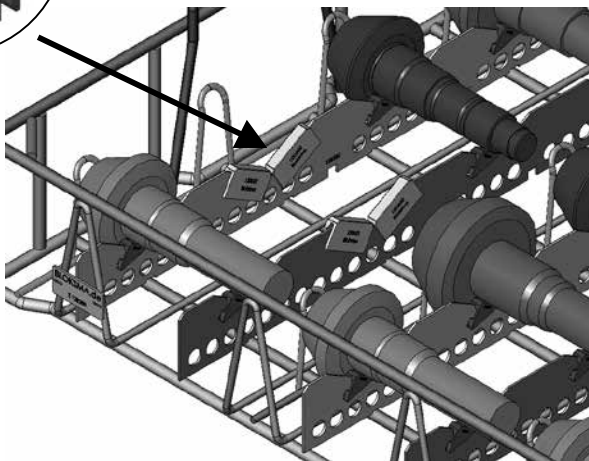
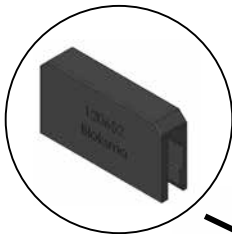
Example: 202873-xxx-S, stack height xxx mm, Pitch S

Item no.	WPC-size	Remarks
		Receiving profiles are customized



WORKPIECE CARRIERS

Workpiece Carrier  
Accessories I



Delicate parts lie on plastic elements.  
These can be clipped onto the receiving  
strip.

Supporting elements also clipped made of  
hardened steel.

Item no.	Size	Remarks
124608	51 x 24 mm	Material PA for sheet metal thickness 2 mm
120652	51 x 24 mm	Material PA for sheet metal thickness 3 mm
119390	51 x 24 mm	Material PA for sheet metal thickness 4 mm



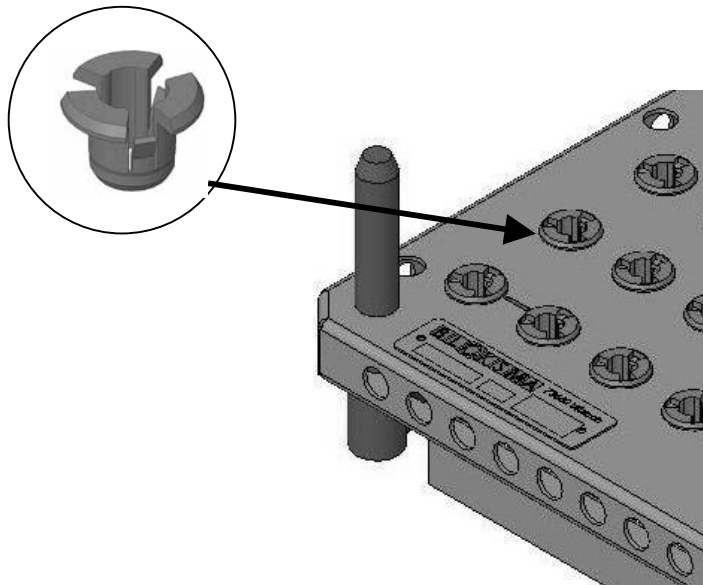
These products are also available in heat-resistant design.

Item no.	Size	Remarks
126024	48,5 x 20 mm	Material steel - hardened for thickness 3 mm



## WORKPIECE CARRIERS

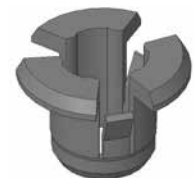
## Workpiece Carrier Accessories II



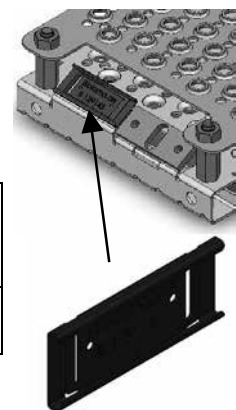
Delicate parts are picked up by receiving sleeves.

The receptacles are clipped.

Item no.	Size	Remarks
142433	Ø 26 / 16,4 x 18 mm	For components with diameter yyy mm and a sheet thickness of zzz mm



Item no.	Size	Remarks
129143	50 x 18 mm	BG-label holders



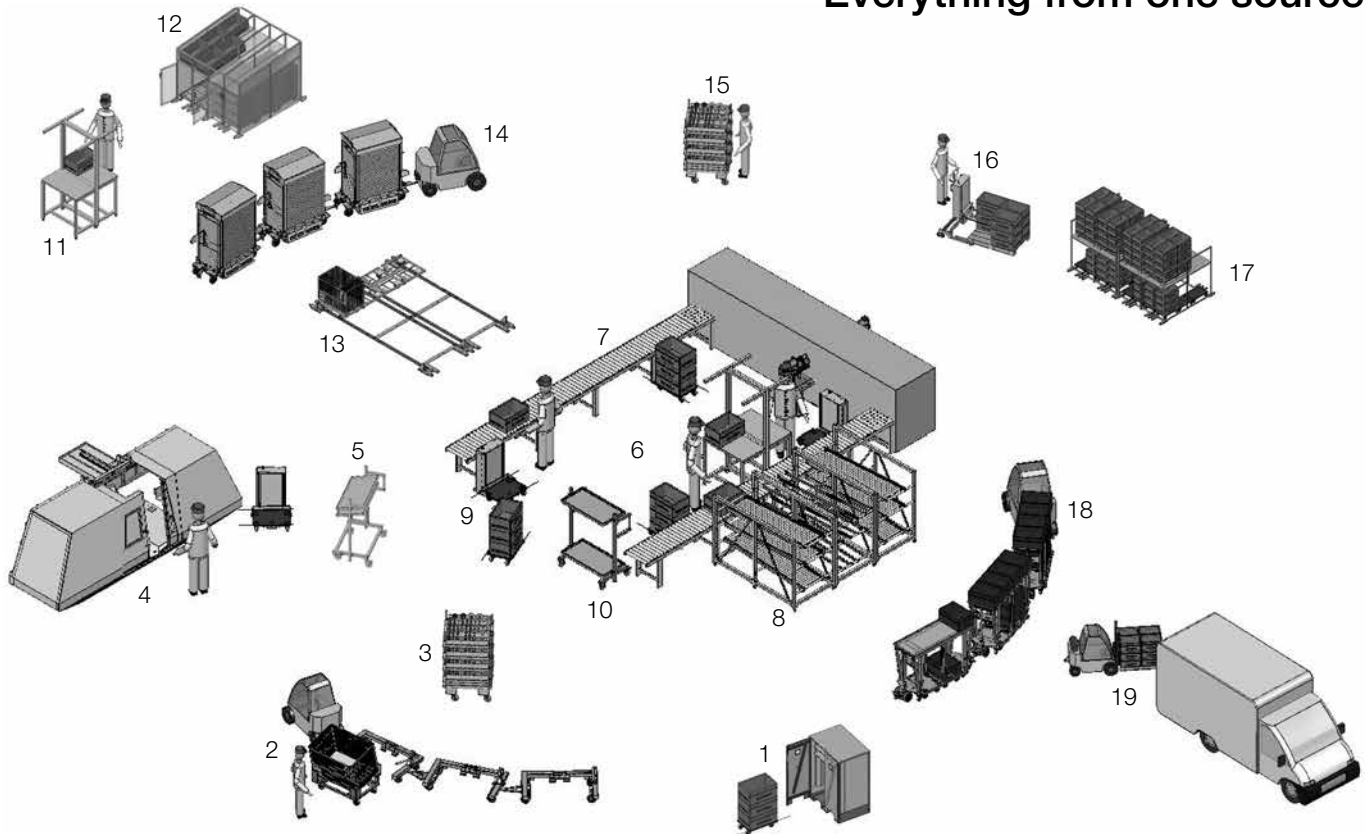


## COMPLETE SYSTEMS

Complete solutions for optimal lean production.



Everything from one source



**Competent, professional, service-oriented:**

**BLOKSMA convinces by holistic solutions and everything from one source – from advisory service to the finished product.**

Perfect, continuous and constant material flow is a decisive key factor in the value chain. Therefore each detail has to be exactly planned and to interlock optimally. With the complete production systems by BLOKSMA the handling expenditures and processing times can be reduced significantly not only in your internal production but also with regard to service providers and suppliers. Our

highly qualified employees develop in close cooperation with you tailormade solutions for your company process – everything from one single source, according to the latest technical standards and with the most modern technologies for visualization and animation. We focus of course always on maximum efficiency and profitability.

## COMPLETE SYSTEMS    Product overview

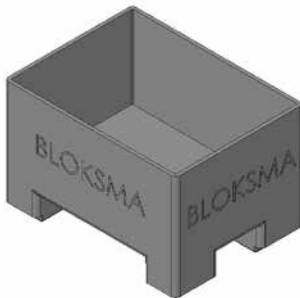
EVERYTHING FROM ONE SOURCE



### **All about KLT**

Boxes, size 600 x 400 mm  
KSY – KLT

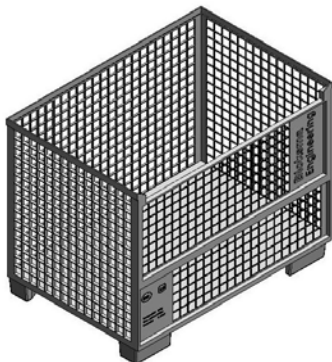
150



### **All about GLT**

Boxes, size 800 x 600 mm  
KSY – GLT

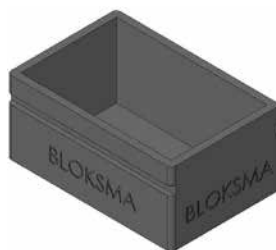
151



**All about PALLET CAGES / EURO PALLETS**  
of size 1.200 x 800 mm  
KSY – GIBO

152

## COMPLETE SYSTEMS KLT



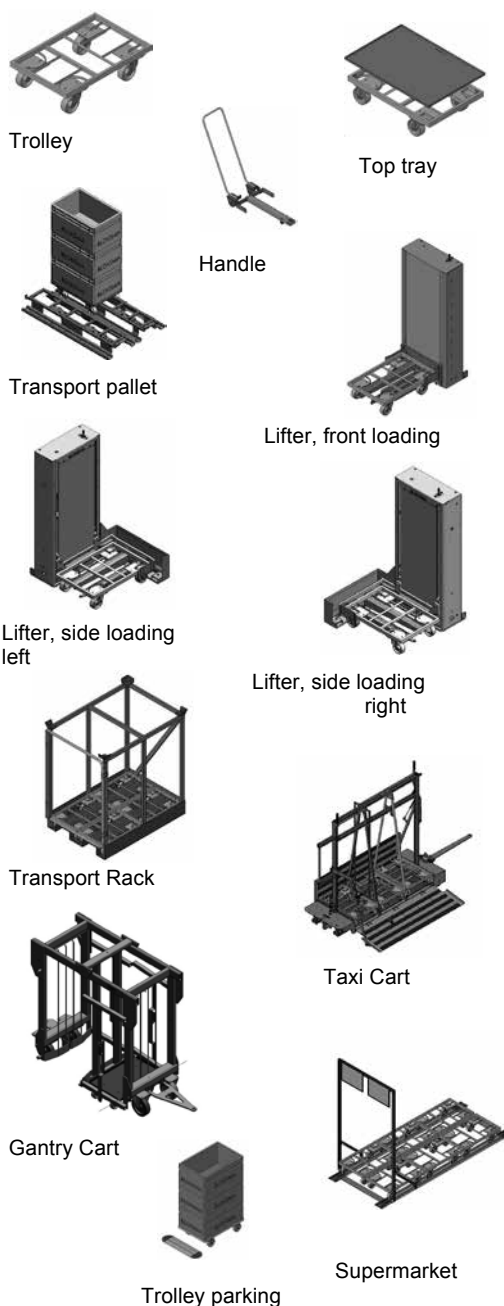
## Complete systems

KSY – KLT

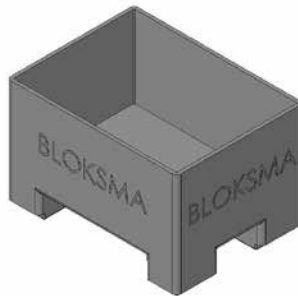
KLT, size 600 x 400 mm

Our products match – no problems as to serial interfaces or compatibility

Product	Item no.	Remarks
Trolley	137787	See chapter Trolleys
Top tray for trolley	140650	See chapter Trolleys
Handle	139211	See chapter Trolleys
Transport-Pallet	143965	See chapter Logistics
Lifters, front loading	135031	See chapter Lifters
Lifters, side loading right	133466	See chapter Lifters
Lifters, side loading left	133465	See chapter Lifters
Transport Rack	142984	See chapter Logistics
Taxi Cart	138632	See chapter Logistics
Gantry Cart	138056	See chapter Logistics
Supermarket		See chapter Supermarkets
Trolley parking		See chapter Supermarkets



## COMPLETE SYSTEMS GLT



## Complete systems

KSY – GLT

GLT, size 800 x 600 mm

Our products match – no problems as to serial interfaces or compatibility

Product	Item no.	Remarks
Trolley	138158	See chapter Trolleys
Top tray for trolley	140626	See chapter Trolleys
Handle	139211	See chapter Trolleys
Transport-Pallet	143965	See chapter Logistics
Lifters, front loading	137014	See chapter Lifters
Lifters, side loading right	140622	See chapter Lifters
Lifters, side loading left	137230	See chapter Lifters
Transport Rack	142984	See chapter Logistics
Taxi Cart	138632	See chapter Logistics
Gantry Cart	139571	See chapter Logistics
Supermarket		See chapter Supermarkets
Trolley parking		See chapter Supermarkets



Trolley



Top tray



Handle



Transport pallet



Lifter, front loading



Lifter, side loading left



Lifter, side loading right



Transport Rack



Taxi Cart



Gantry Cart



Trolley parking



Supermarket

COMPLETE SYSTEMS GIBO



Complete systems

KSY – GIBO  
Gibo, size 1.200 x 800 mm

Our products match – no problems as to serial interfaces or compatibility

Product	Item no.	Remarks
Trolley	145323	See chapter Trolleys
Handle	136674	See chapter Trolleys
Lifters, front loading	137147	See chapter Lifters
Plattform Taxi Cart	133191	See chapter Logistics
Gantry Cart	138270	See chapter Logistics
Supermarket		See chapter Supermarkets
Trolley parking		See chapter Supermarkets



Trolley



Handle



Lifter, front loading



Plattform Taxi Cart



Gantry Cart



Supermarket



Trolley parking

## NOTES

## FURTHER PRODUCTS



### Perfect matches, as individual as your company.

**„Everything from one hand“ – this can be taken literally at BLOKSMA. We offer optimal matches for your production so that everything fits together down to the smallest detail.**

Every company is different – and therefore we plan every smallest detail customized and tailor-made to your individual requirements. We develop workplace solutions and conceptions individually adapted to your demands, your production, your assembly and your logistics. This starts with assembly tables, includes shelves and racks for material sup-

ply as well as mobile material shuttles. And of course, BLOKSMA also provides complete assembly lines. We thus create optimum conditions for more productivity, more efficiency, more quality – and more ergonomics.

You will profit from satisfied employees and customers: a concept that pays off.



## FURTHER PRODUCTS

## Product Overview



**Workstations**  
APS

156



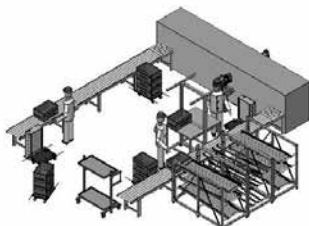
**Rollracks – Material provision**  
MBR

157



**Material provision trolley**  
MWA

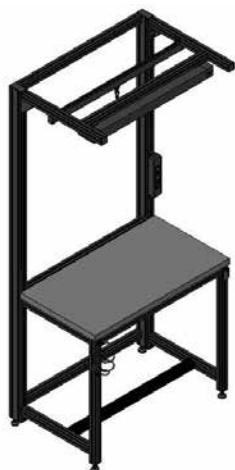
158



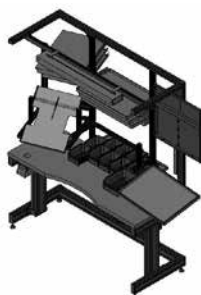
**Complete assembly lines**  
MLK

159

## FURTHER PRODUCTS



Item no. 139438



Item no. 138339

## Workstations

APS

for assembly, inspection and packing

Workstations according to customers' requirements

Standard products made unique

For standing or sitting work, height adjustable desk for every demand

With power / air supply

With integrated material provision, roller conveyor

Wide range of accessories, lighting, grab containers, information boards, footrests



Item no. 137795

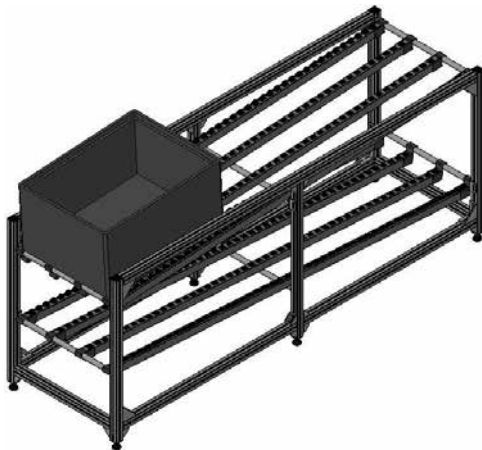
**Other models on request.**

Please ask for our checklist.

## FURTHER PRODUCTS



Item no. 138813



Item no. 140556



Item no. 138059

## Material Provision – Racks

MBR

for supermarkets or  
production lines

Rack systems according to customers'  
requirements

Standard products made unique

Stationary or mobile

Adaptable, even later on when  
requirements change

For light and heavy loads

With roller conveyors / grab containers

For Kanban / FiFo processes

ESD version on request

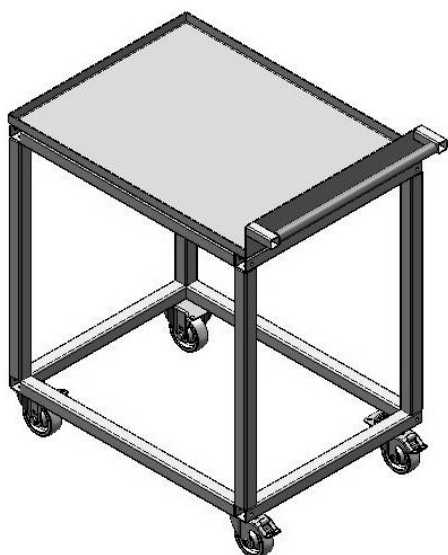
Can be linked with work stations

Wide range of accessories,  
labeling, brake etc.

**Other models on request.**

Please ask for our checklist.

## FURTHER PRODUCTS



Item no. 136634

## Material Trolley

MWA

Link between supermarket and workstation

Material trolley according to customer's requirements

Standard products made unique

Adaptable, even later on when requirements change

For light and heavy loads

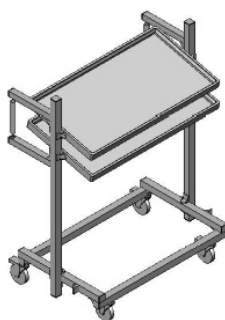
Levels of shelves adjustable

With suspension device for grab container

With traverse for long or limp goods

ESD version on request

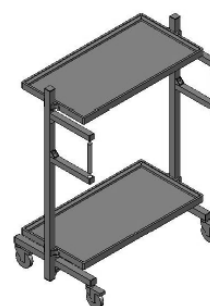
Wide range of accessories, labeling, information boards, brakes



Item no. 137803



Item no. 139410



Item no. 137799

**Other models on request.**

Please ask for our checklist.

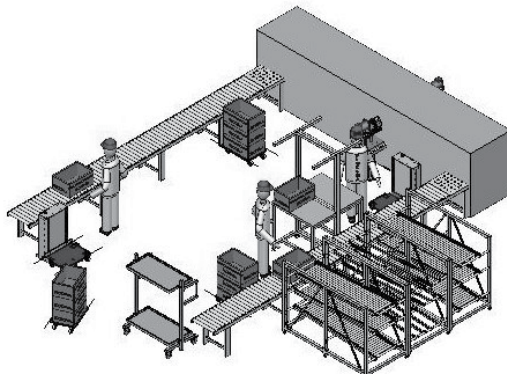
## FURTHER PRODUCTS

### Complete Assembly Lines

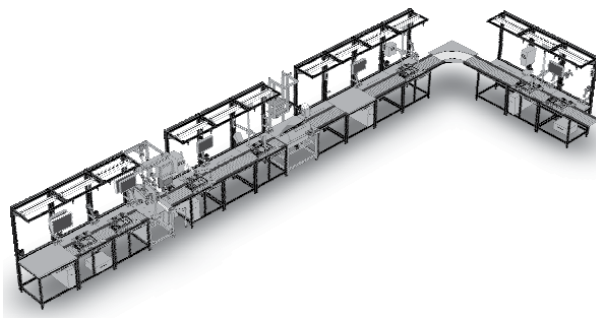
MLK

Adapted to your requirements and everything from one source

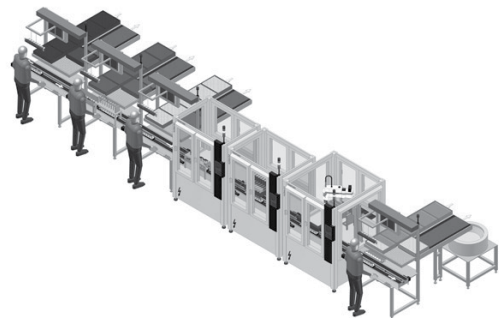
We will do the set-up – just let us know your task



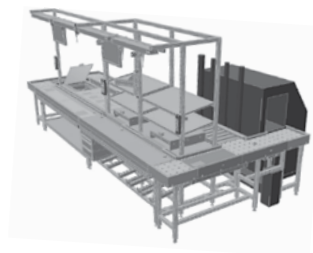
Item no. 138338



Item no. 137589



Item no. 136911



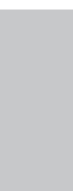
Item no. 136622

**Other models on request.**

Please ask for our checklist.

# MATERIAL IN FLOW

## NOTES



# LEAN LOGISTICS 4.0

## Providing competitive advantages thanks to latest and ultramodern electronics

**The topic „Industry 4.0“ is already common practice in large parts of production and logistics. These areas are more and more digitized and networked.**

Therefore BLOKSMA Engineering GmbH, has dealt for a long time with the implementation of the latest electric elements in the current production and delivery program. Thus, we are able to provide you with automatic part recognition, distribution and transfer of data, warehouse management, progress mo-

nitoring in production and much more. In close cooperation with highly qualified network partners we develop unique solution proposals for maximum value creation using a minimum of resources ? so you will continue to stay ahead of the competition even in future. Please contact us!





All images are not binding,  
subject to technical changes.

## WITH BLOKSMA YOU HAVE A TRIPLE BENEFIT

Cost-saving:  
Reduction of  
material stocks



More efficient  
production:  
Optimising lead times



Working more  
ergonomically:  
Protecting employees



Reg.-Nr.: Q1 0299012



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[www.bloksma.de](http://www.bloksma.de)

**BLKS** **WANTS** **TO** **BE** **THE** **ONLY** **ONE** **THAT** **KNOWS** **THE** **REAL** **STORY**

WE'VE GOT 5:1