

BLOKSMA



LEAN LOGISTICS

CATALOG
5.1

MATERIAL FLOW

MATERIAL IN 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

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WORKPIECE CARRIERS

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MATERIAL IN FLOW

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

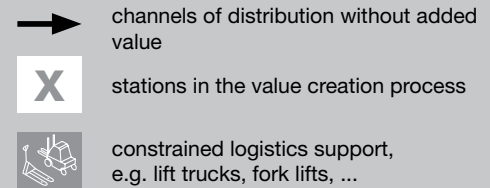


MATERIAL IN FLOW

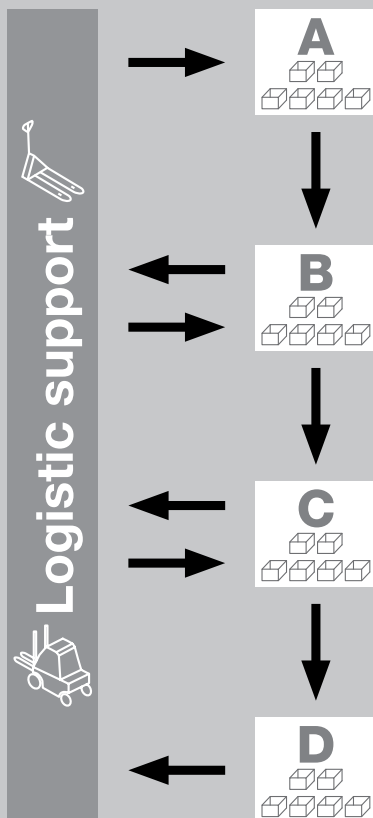
AN ECONOMIC PERSPECTIVE ON THE MATERIAL LOGISTICS

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.

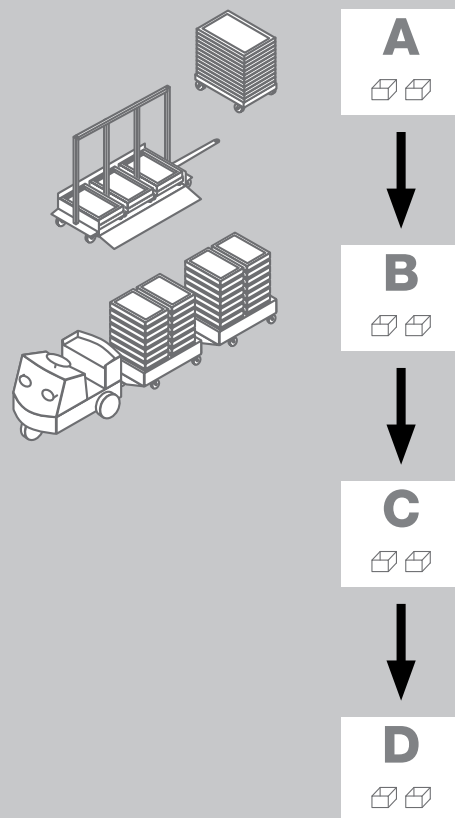


BEFORE



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_{estimated} 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_{estimated} 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



MATERIAL IN FLOW

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

26



Trolley – special versions
BOV

27

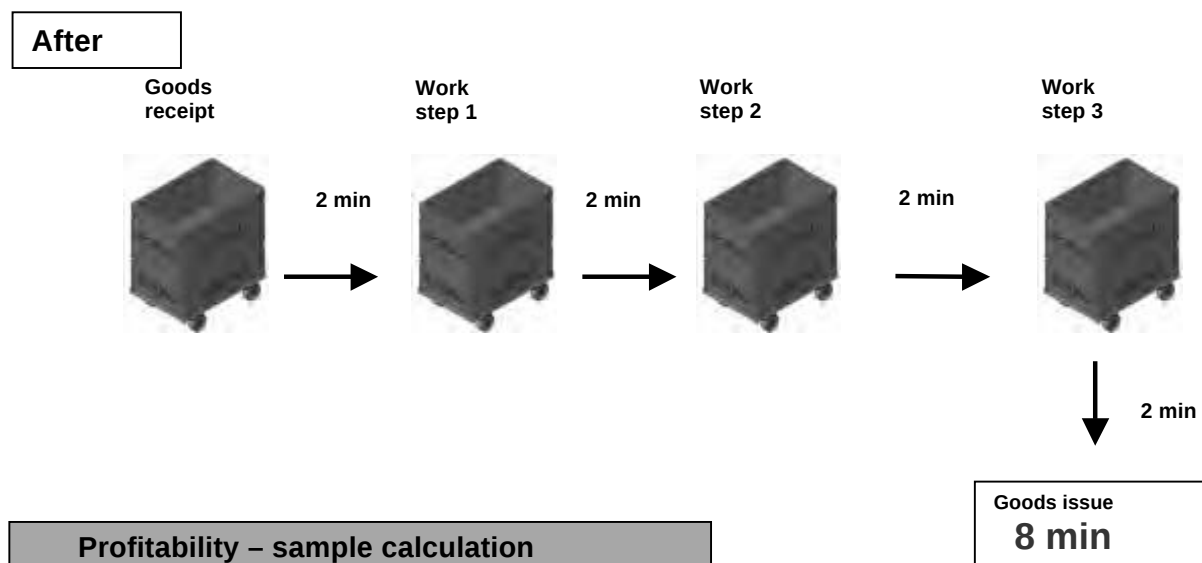
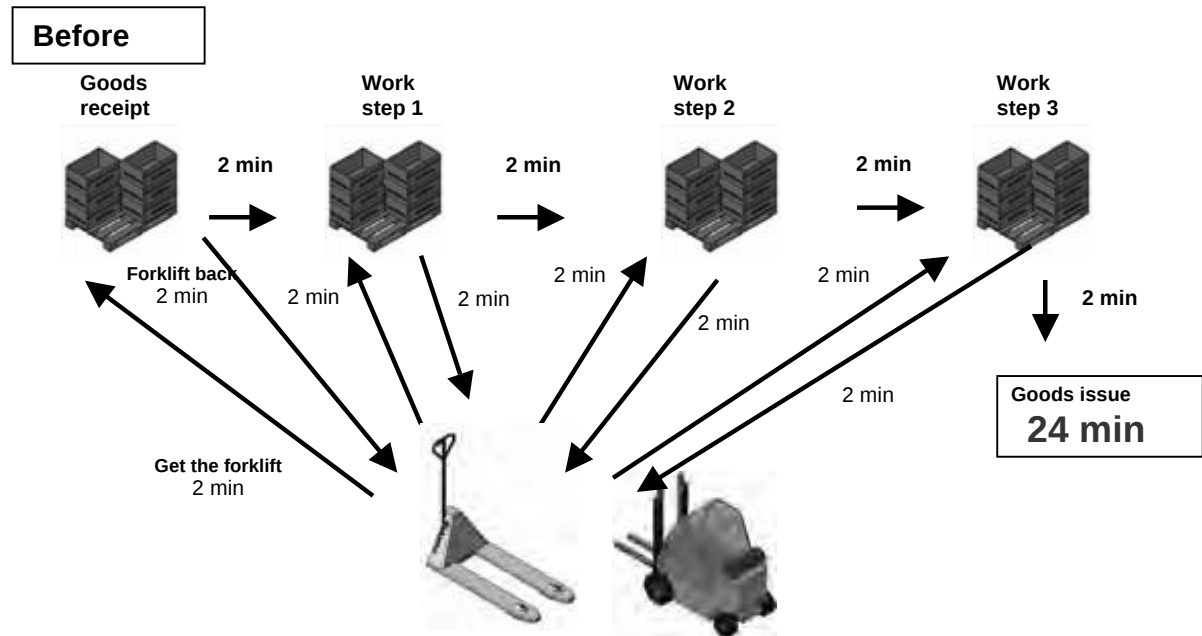


Accessories for trolleys

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MATERIAL IN FLOW

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	€

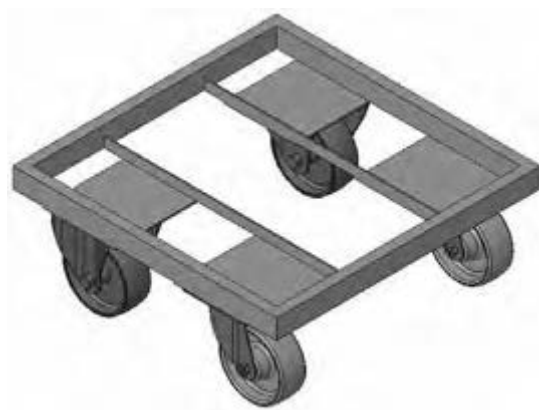
Further savings: no investments for floor borne vehicles (as for example forklifts) and their maintenance

CHECKLIST TROLLEYS

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

MATERIAL IN FLOW

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

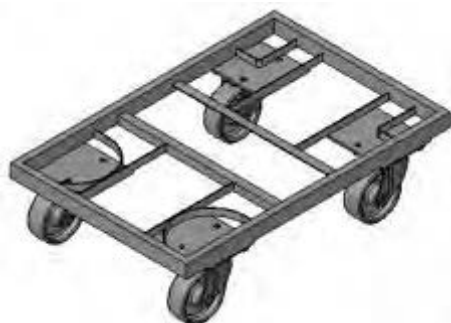
Optional products can be found in chapter ACCESSORIES

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

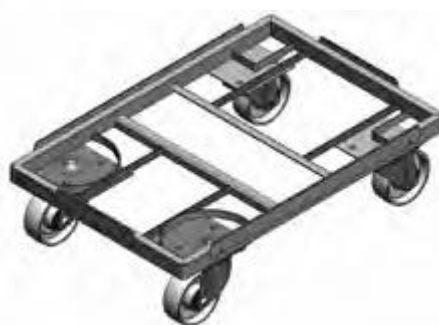
Other models / dimensions on request.

MATERIAL IN FLOW

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)

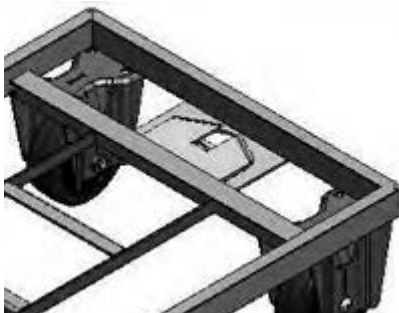
Standard size 600 x 400 mm

Optional products can be found in chapter ACCESSORIES

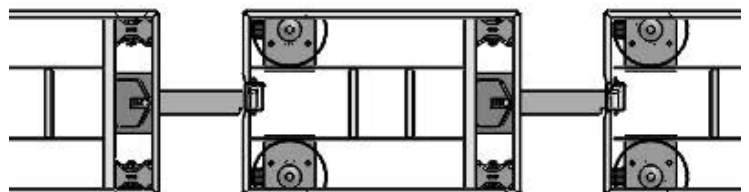
With rigid drawbar

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	with rigid drawbar 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	with rigid drawbar 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



MATERIAL IN FLOW

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)

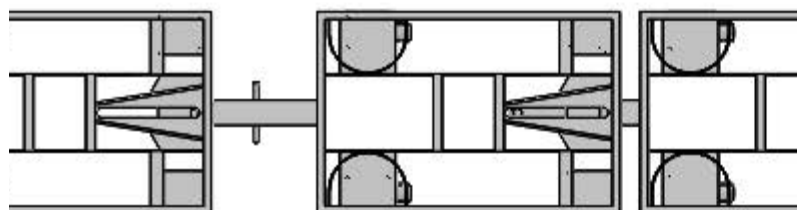
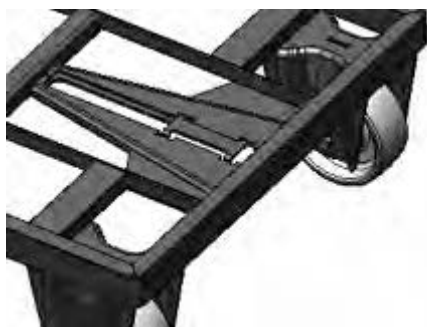
Standard size 600 x 400 mm

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	Drawbar with "concertina effect" 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	Drawbar with "concertina effect" 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.



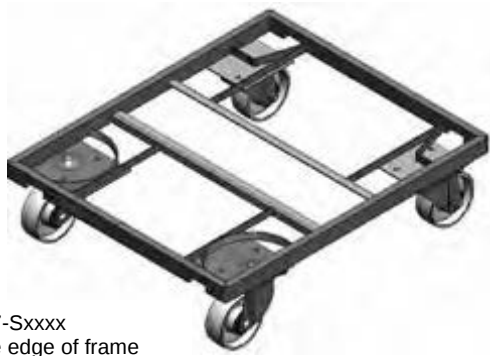
"Concertina effect"

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	with drawbar 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.

MATERIAL IN FLOW

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	drawbar with pin 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	drawbar with hole 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



Item no. 145323-S0012

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

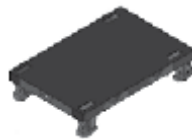
Designed for trucks (lengthwise or
crosswise) with lashing strap

With foot protection and parking brake

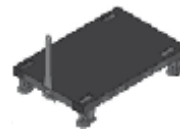
Possibility to build milkrun trains



Item no. 145323-S0002



Item no. 145323-S0004



Item no. 145323-S0009



Item no	Model	Push holder	Drawbar	Plate	Lashing strap
145323-S0001	BOF-B0000				
145323-S0002	BOF-B0000	•			
145323-S0003	BOF-B0000		•		
145323-S0004	BOF-B00A0			•	
145323-S0005	BOF-B000Z				•
145323-S0006	BOF-B0000	•	•		
145323-S0007	BOF-B00A0	•		•	
145323-S0008	BOF-B000Z	•			•
145323-S0009	BOF-B00A0		•	•	
145323-S0010	BOF-B000Z		•		•
145323-S0011	BOF-B00AZ			•	•
145323-S0012	BOF-B00A0	•	•	•	
145323-S0013	BOF-B000Z	•	•		•
145323-S0014	BOF-B00AZ		•	•	•
145323-S0015	BOF-B00AZ	•	•	•	•

MATERIAL IN FLOW

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

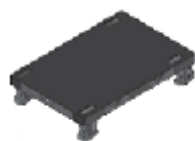
Designed for trucks (lengthwise or
crosswise) with lashing strap

With foot protection and parking brake

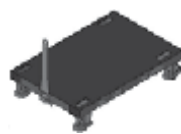
Possibility to build milkrun trains



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)

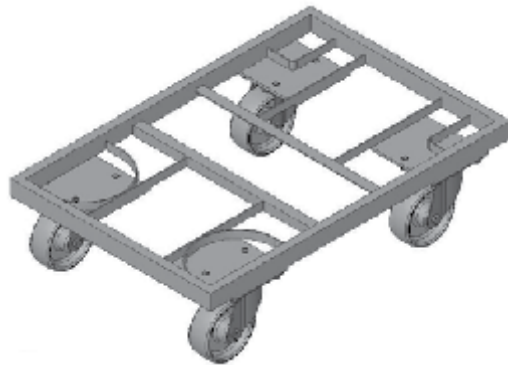
For indoor transport of a stack of boxes

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

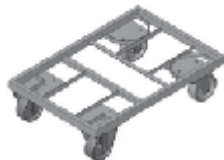
Suitable for transport pallets
(see chapter LOGISTICS TRG)

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

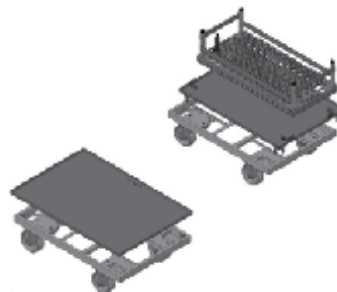
Optional products can be found
in chapter ACCESSORIES



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	with drawbar 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.

MATERIAL IN FLOW

TROLLEYS INCH SIZE



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

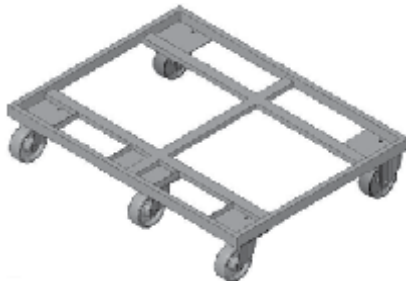
For indoor transport of a stack of boxes

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. 146723



Item no.
146725



Item no.
139211

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)	with drawbar 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.

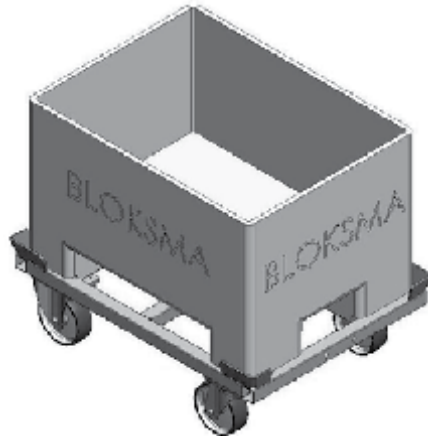
TROLLEYS INCH SIZE



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.

MATERIAL IN FLOW

TROLLEYS

Trolleys

BOK I

for light loads
max. 250 kg



Item no. 129928

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.

MATERIAL IN FLOW

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.

MATERIAL IN FLOW

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.

MATERIAL IN FLOW

TROLLEYS – TOP TRAY

Trolleys Accessories I

Top tray:
serves as drip tray and
centering for boxes



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



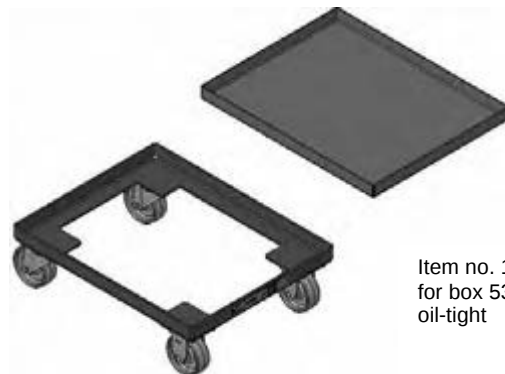
Item no. 139155
for box 572 x 270 mm
oil-tight



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

Other models / dimensions on request.

TROLLEYS – PUSH HOLDER

Trolleys Accessories II

Push holder:

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



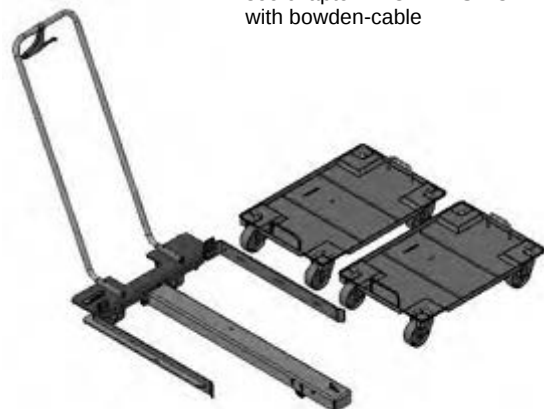
Item no. 139211
for trolleys BOF
see chapter TROLLEYS BOF II – BOF VII



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



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

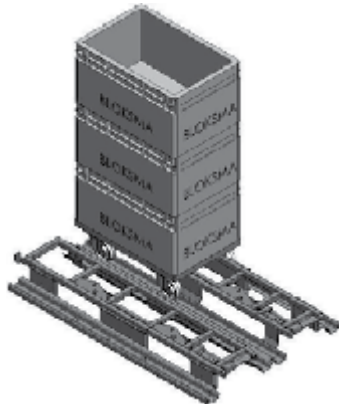


Item no. 141304
for 2 trolleys BOZ
see chapter TROLLEYS BOZ I – BOZ II
with bowden-cable

Other models / dimensions on request.

MATERIAL IN FLOW

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



Trolleys Accessories III

Transport pallet:

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

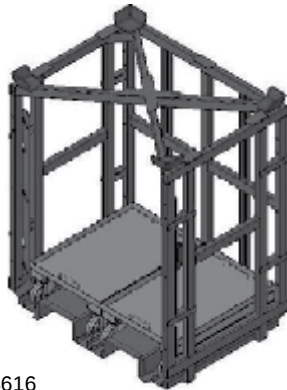
The trolley with KLT-stacks is moved into the rack and the load is secured by a transportation lock.

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

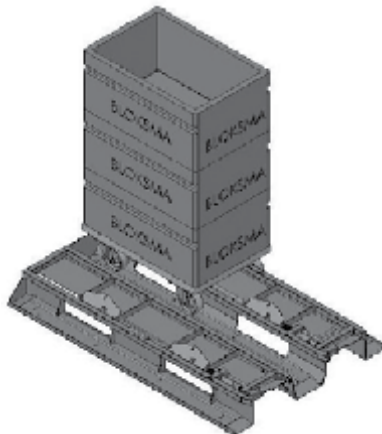
Various designs available, see also TRANSPORT LOGISTICS TFG – Transport pallet I-III



Item no. 144616



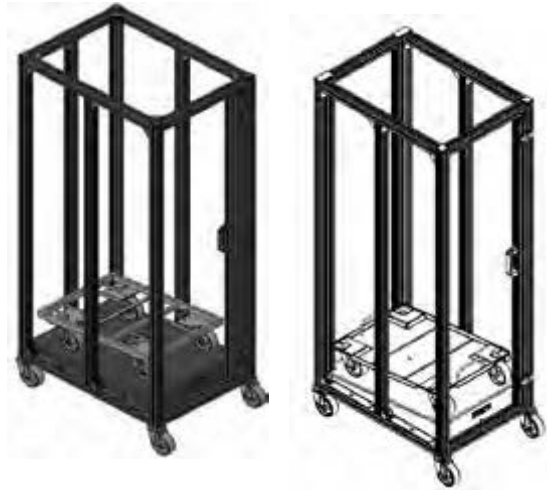
Item no. 201537
for BOZ 630 x 430 mm
see chapter TROLLEYS BOZ



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

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.

MATERIAL IN FLOW

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

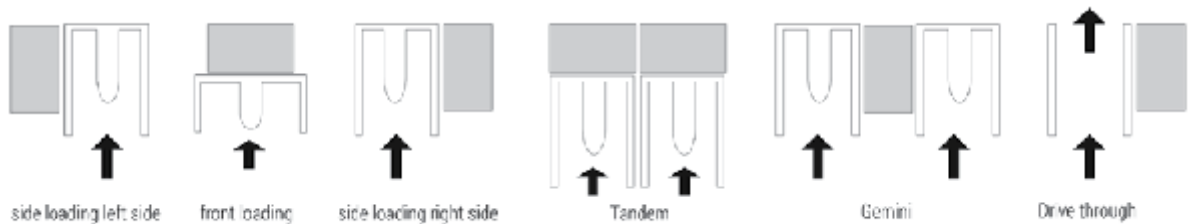
NOTES



CHECKLIST LIFTERS

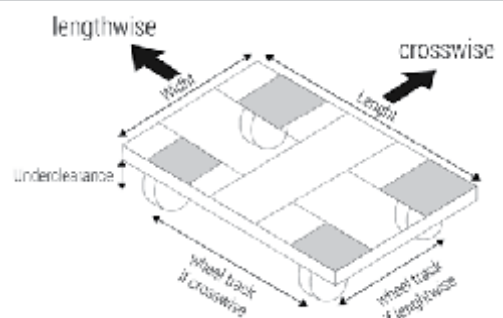
Features of the lifters

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



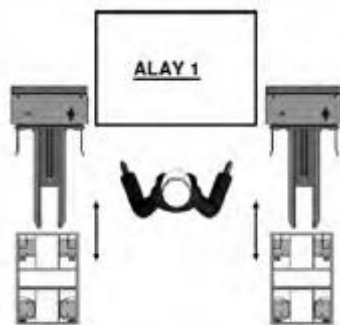
Features of the trolley

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

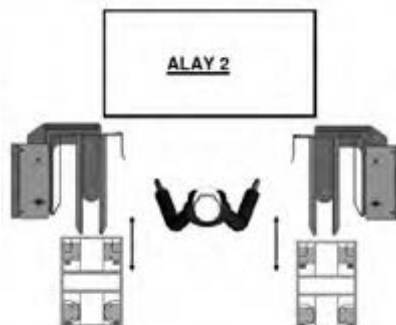


MATERIAL IN FLOW

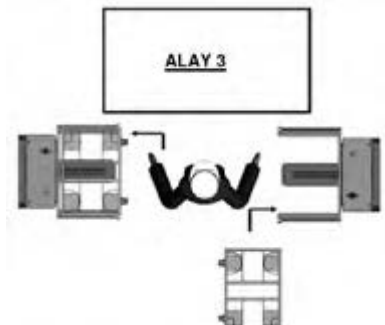
POSSIBLE APPLICATIONS / SET-UP FOR LIFTERS



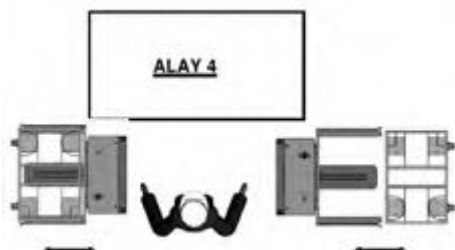
Front loading



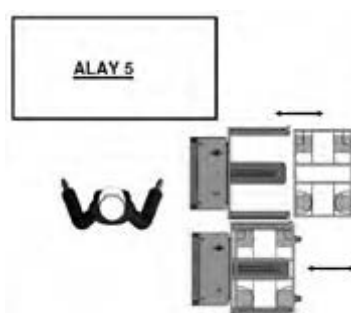
Left Sideload Right



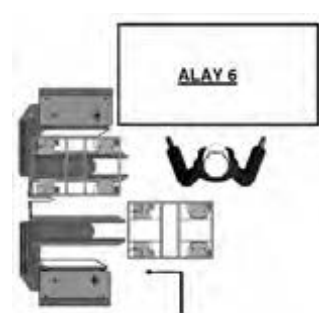
Front loading



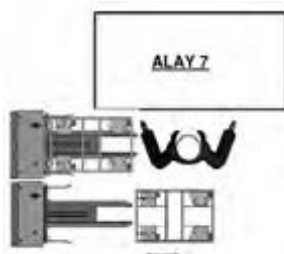
Front loading



Front loading



Sideload Left and Right



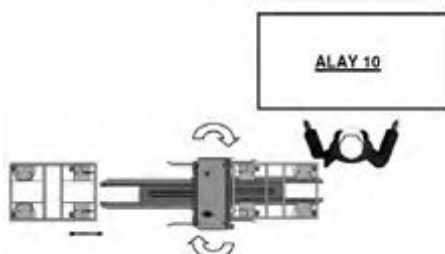
Front loading



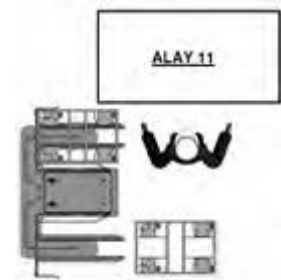
Drive through



Drive through



Turnable

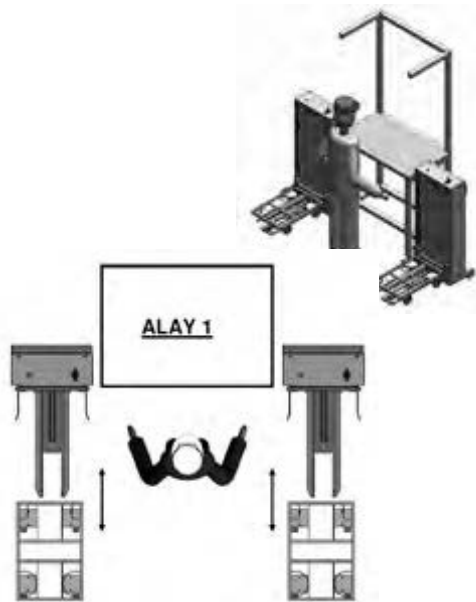


Gemini

POSSIBLE APPLICATIONS / LAYOUT OF WORKPLACE – ALAY

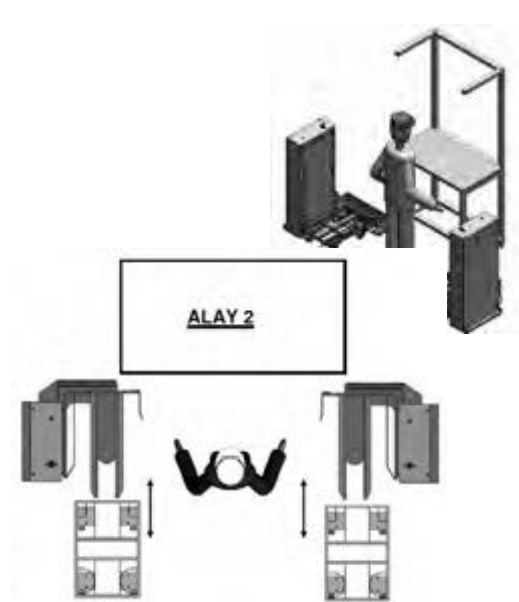
ALAY	1	2	3	4	5	6	7	8	9	10	11
Front loading	●		●	●	●		●	●	●	●	●
Side loading		●				●					
Stationary	●	●	●	●	●	●	●	●	●	●	●
Semi-mobile	●	●	●	●	●	●	●	●	●		
Mobile	●	●	●	●	●	●	●	●	●		
Side Tandem / Twin lifter						●	●				●
Removal from rear / back side				●	●						
Driving through possible								●	●	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

Front loading



Front loading

Side loading



Side loading
left

Side loading
right

MATERIAL IN FLOW

SHADOW-MAP (6 PIECES)

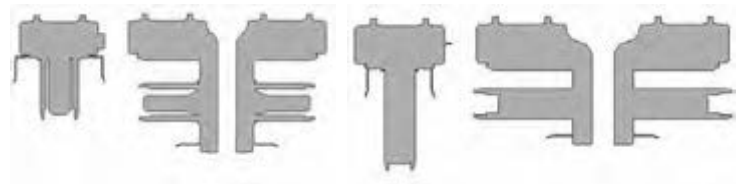
Bloksma helps you in designing your workplace from the beginning and ensures the choice of the correct and proper lifter.

Shadow-Map Set with 6 pieces 201936

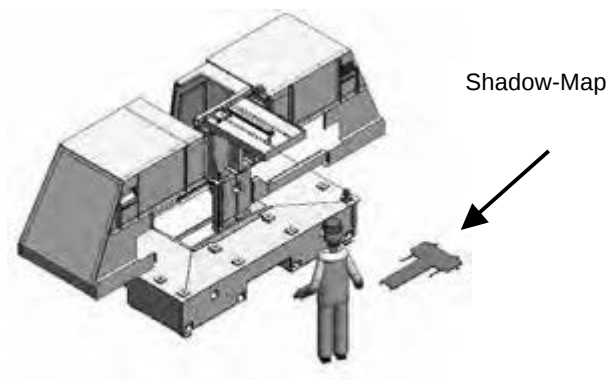
Bloksma supports your planning process from the beginning.

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

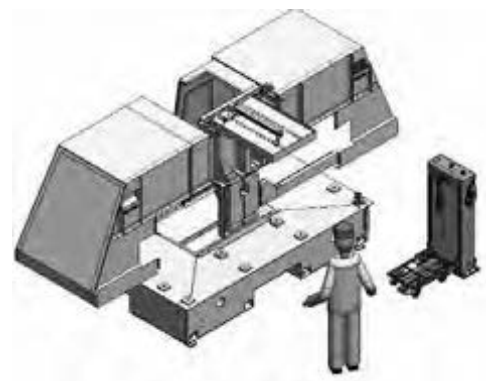
Order your 6 piece shadow map set and you will have an optimal decision support.



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.

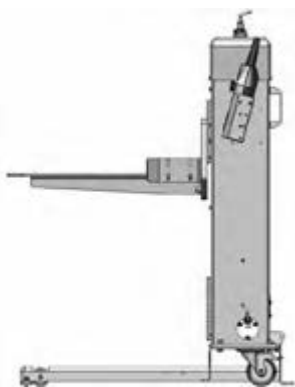
mobile version



semi-mobile version



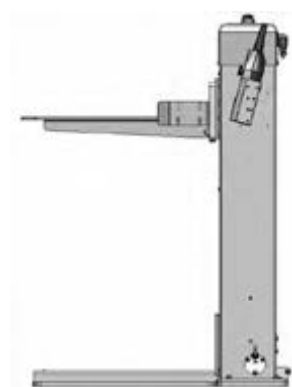
stationary version



If permanently on wheels

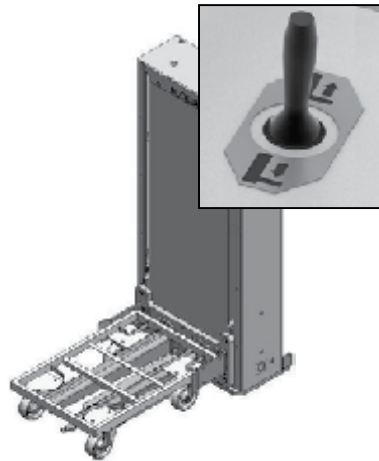


To move around easily tip backwards!
"Handcarts function"

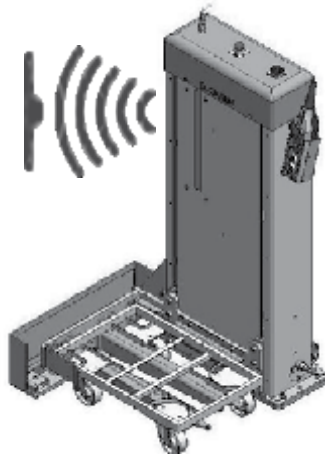


MATERIAL IN FLOW

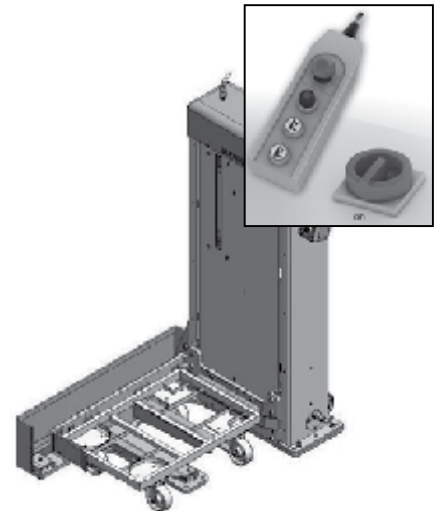
CONTROL ELEMENTS



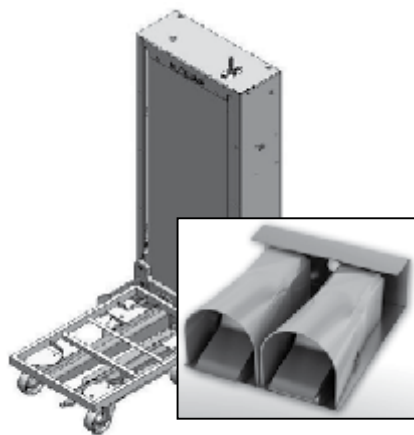
Hand lever on device



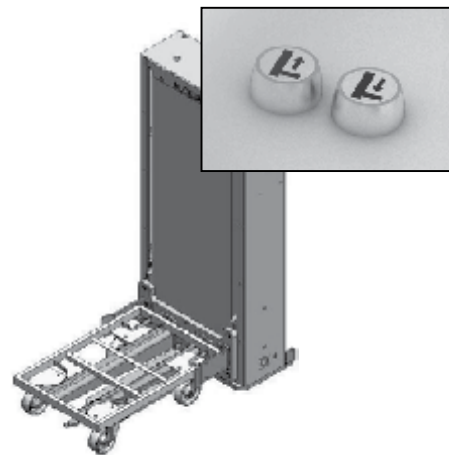
Height detection with sensor (automatic mode)



External control panel



Pedal switch



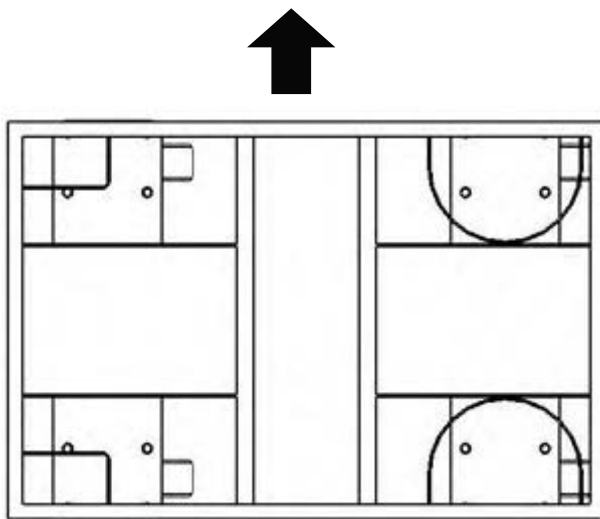
Push button on device

LOADING DIRECTION OF A LIFTER

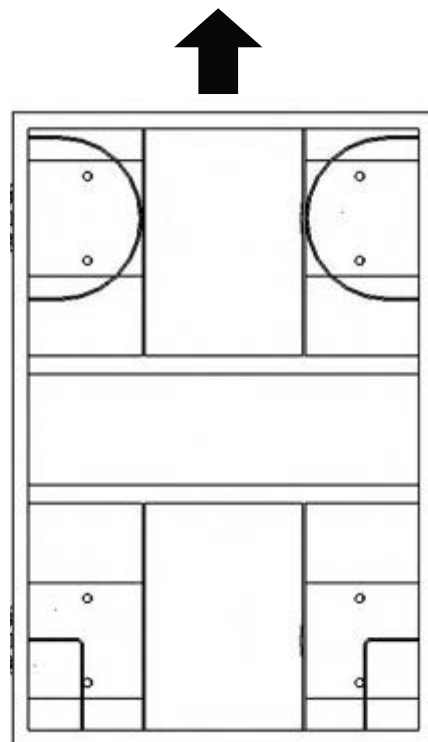
Definition of lengthwise and crosswise loading

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**

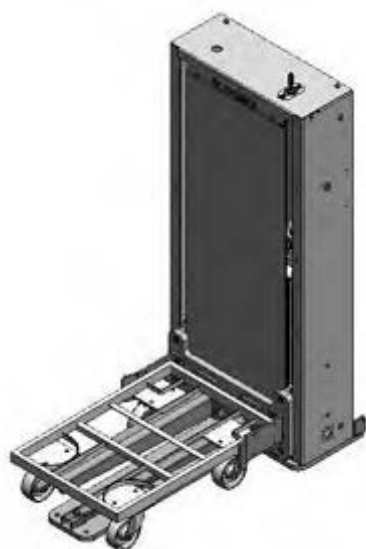


for example: frontloading **lengthwise**



MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter



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

Pneumatic lifter

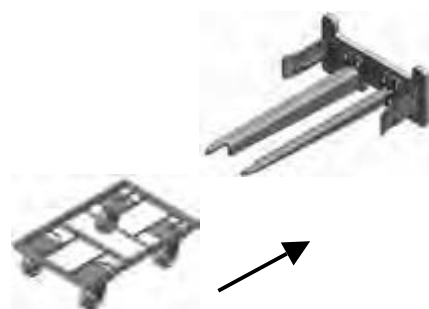
HPS-F HPT-F HPM-F

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

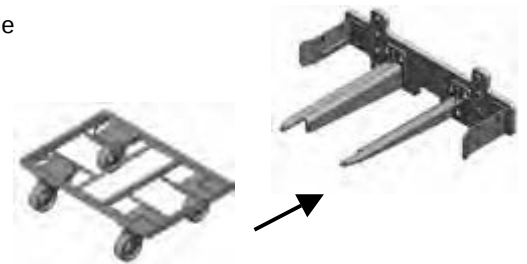
HPS-F HPT-F HPM-F

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

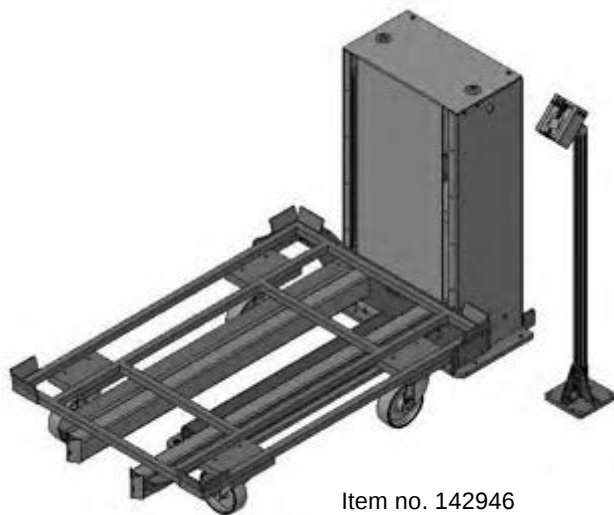
Power demand: Pneumatic 6 bar

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

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

MATERIAL IN FLOW

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

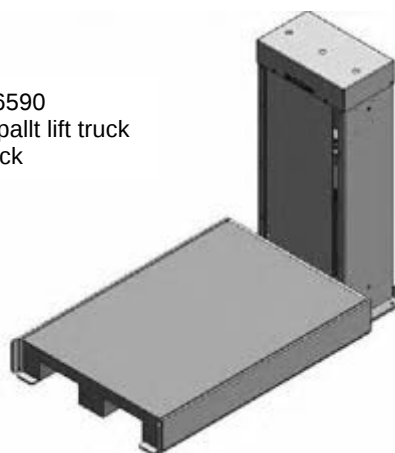
Suitable for ergonomic working at
assembly working stations, machines

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

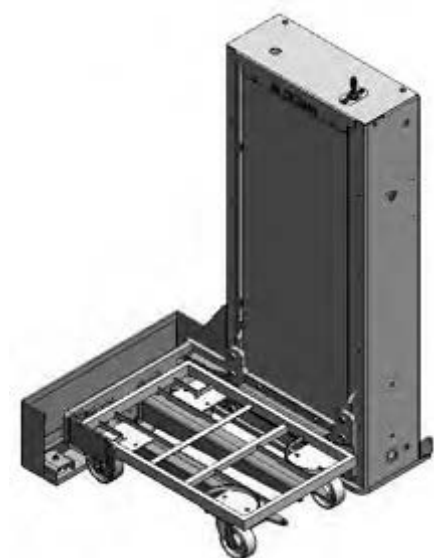
Other models / dimensions / loads as well as control elements on request.

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

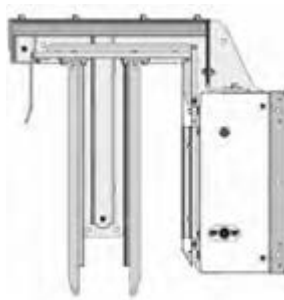
NOTES

MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter



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

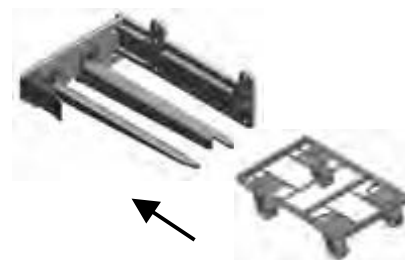
Pneumatic lifter HPS-R HPT-R HPM-R

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

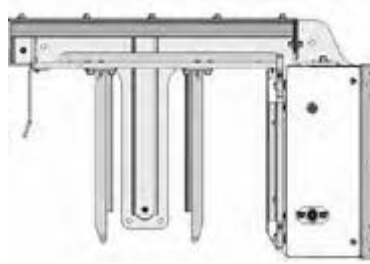
Other models / dimensions / loads as well as control elements on request.

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

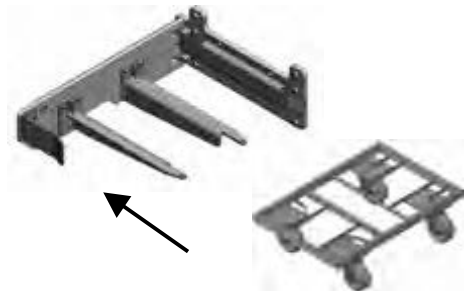
HPS-R HPT-R HPM-R

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.

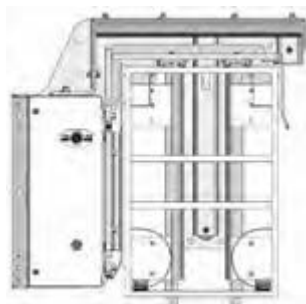
The appearance of the device may deviate from the plotted models.

MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter



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

Pneumatic lifter

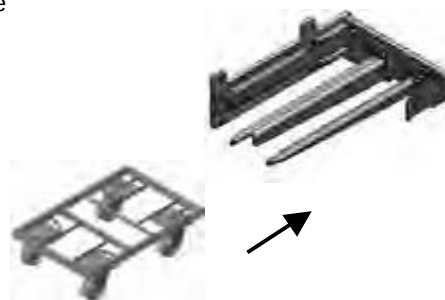
HPS-L HPT-L HPM-L

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

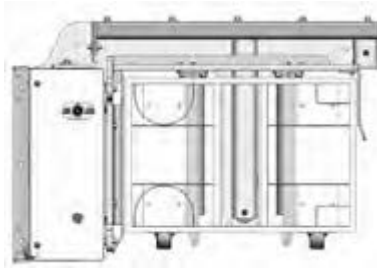
Other models / dimensions / loads as well as control elements on request.

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

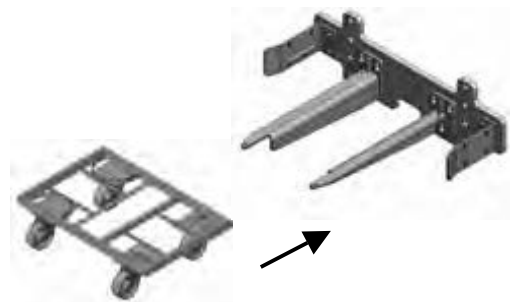
HPS-L HPT-L HPM-L

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

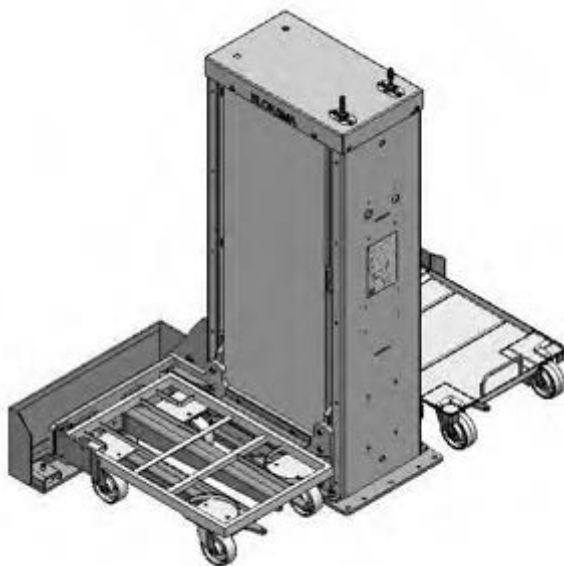
Power demand: Pneumatic 6 bar

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

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

MATERIAL IN FLOW

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.

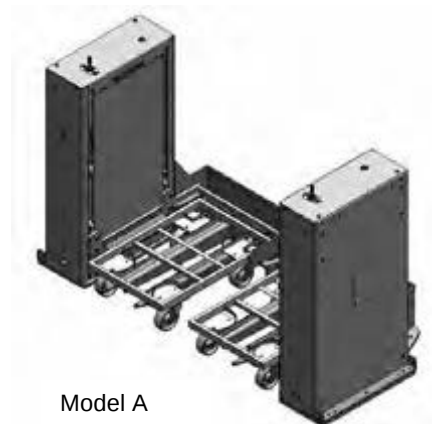
Item no.	Load capacity per lifter	Size of trolley mm	Adaption of trolley / control element	Working height above floor level (GOK)
141869	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary - hand level	720 mm
142605	200 kg each side	600 x 400 630 x 430	lengthside BOF + BOZ stationary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

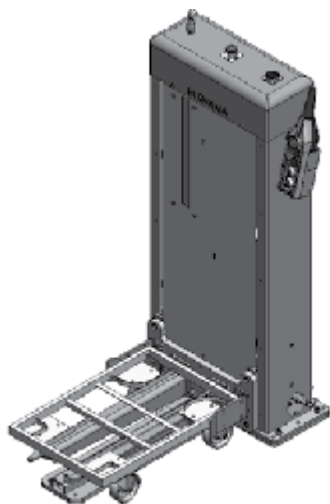
Power demand: Pneumatic 6 bar

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

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

MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter

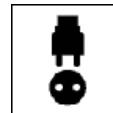


Difference between
stationary / semi-mobile / mobile
see overview MOBILITY

Electric lifter

HES-F HET-F HEM-F

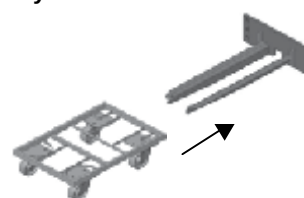
Front loading – stationary /
semi-mobile / mobile
trolley lengthwise



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

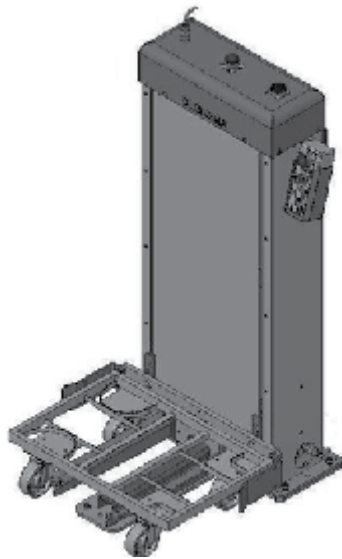
141123	141043	142584	500 kg	800 x 600	720 mm
141124	141044	142585	500 kg	800 x 600	920 mm

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

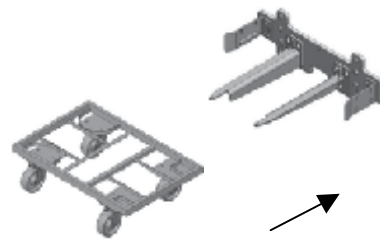
Front loading – stationary /
semi-mobile / mobile
trolley crosswise



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

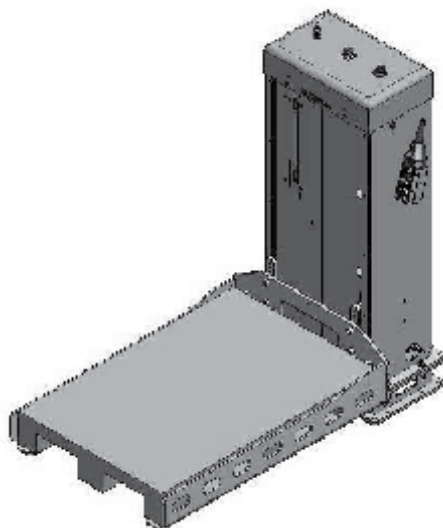
Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)

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

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

MATERIAL IN FLOW

LIFTERS

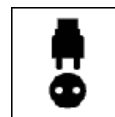


Item no. 147898
Loading by pallet lift truck
or forklift

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)

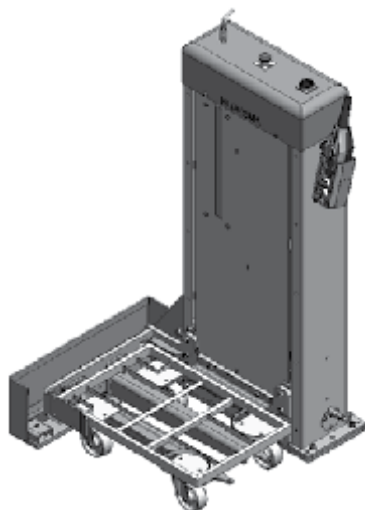
Other models / dimensions / loads / lifting speeds as well as control elements on request.

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

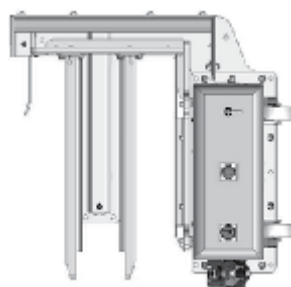
NOTES

MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter

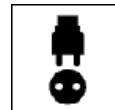


Difference between
stationary / semi-mobile / mobile
see overview MOBILITY

Electric lifter

HES-R HET-R HEM-R

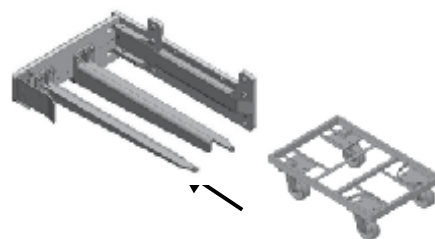
Side loading right –
stationary / semi-mobile /
mobile
trolley lengthwise



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

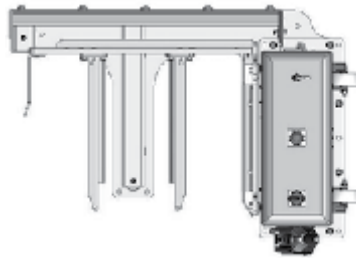
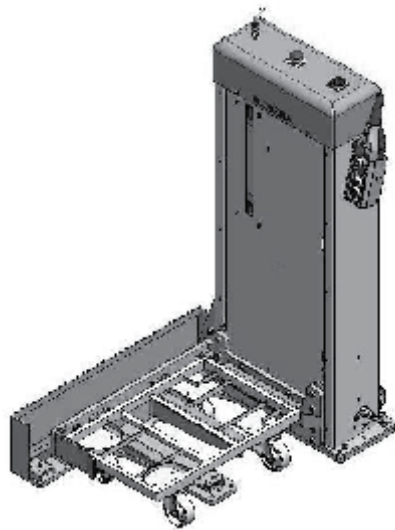
202751	202753	-----	500 kg	800 x 600	720 mm
202752	202754	-----	500 kg	800 x 600	920 mm

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



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

Illustrated version: semi-mobile lifter

Electric lifter

HES-R HET-R HEM-R

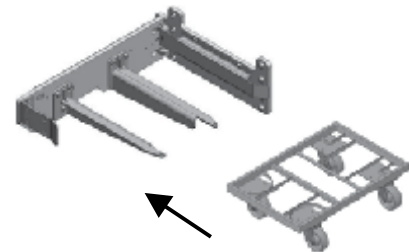
Side loading right – stationary / semi-mobile / mobile
trolley crosswise



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

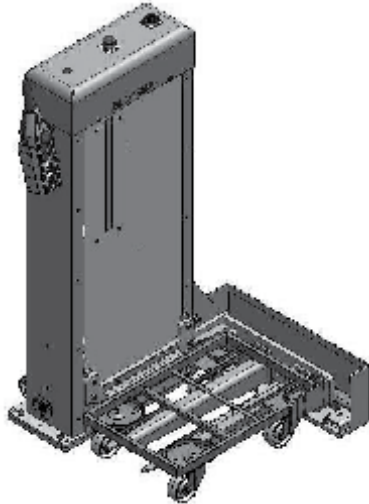
Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)

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

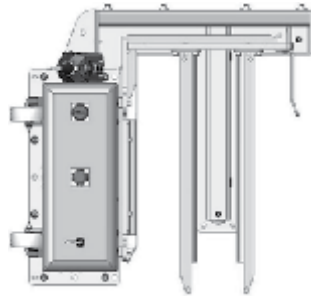
The appearance of the device may deviate from the plotted models.

MATERIAL IN FLOW

LIFTERS



Illustrated version:
stationary lifter

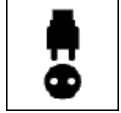


Difference between
stationary / semi-mobile / mobile
see overview MOBILITY

Electric lifter

HES-L HET-L HEM-L

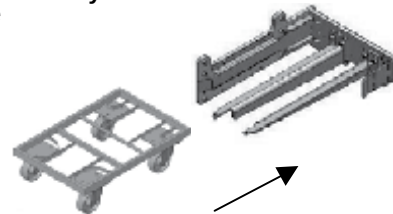
Side loading left –
stationary / semi-mobile /
mobile
trolley lengthwise



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

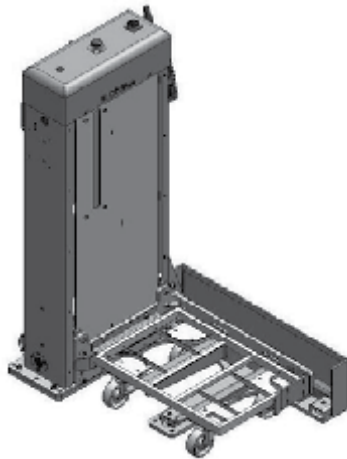
202776	202778	-----	500 kg	800 x 600	720 mm
202777	202779	-----	500 kg	800 x 600	920 mm

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

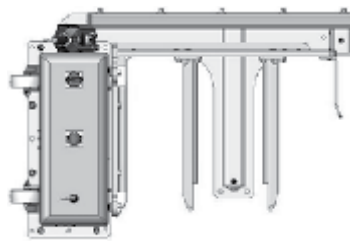
Other models / dimensions / loads / lifting speeds as well as control elements on request.

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

LIFTERS



Illustrated version:
semi-mobile lifter

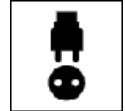


Difference between
stationary / semi-mobile / mobile
see overview MOBILITY

Electric lifter

HES-L HET-L HEM-L

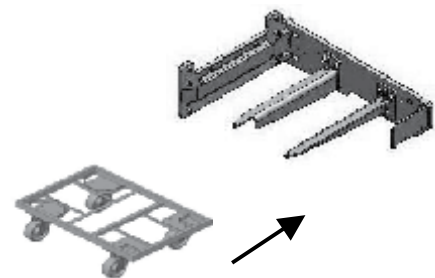
Side loading left –
stationary / semi-mobile /
mobile
trolley crosswise



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

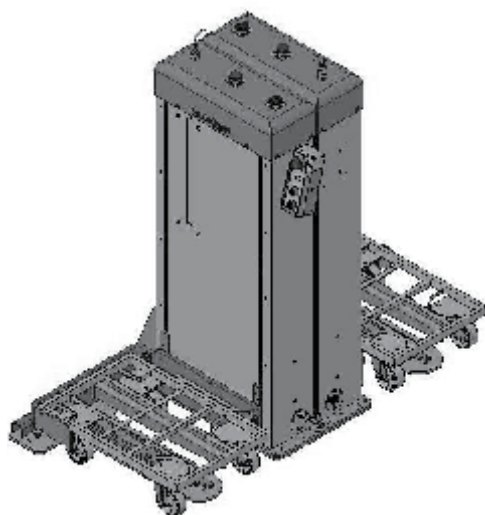
Power demand: 230V/50Hz / lifting speed 31 mm/s (47 mm/s on request)

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

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

MATERIAL IN FLOW

LIFTERS

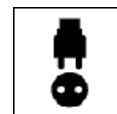


Item no. 142609

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.

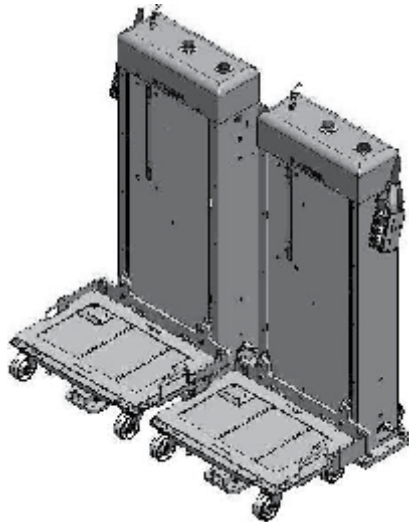
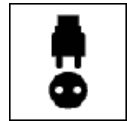
The appearance of the device may deviate from the plotted models.

LIFTERS

Electric lifter

HES-T

Tandem – Twin lifter
stationary / mobile



Item no. 201171

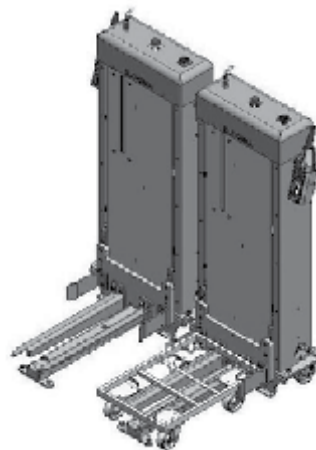
Suitable for Bloksma trolley
BOF + BOZ (see chapter TROLLEYS)

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

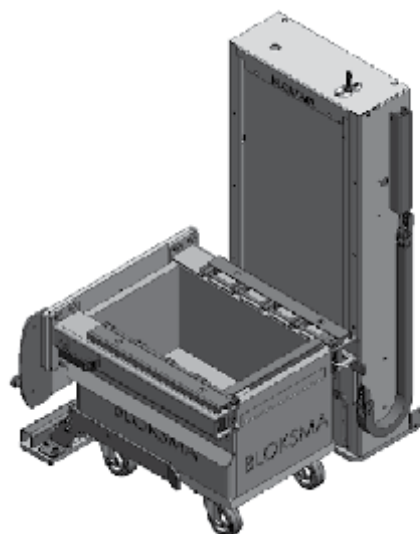
Power demand: Pneumatic 6 bar

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

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

MATERIAL IN FLOW

LIFTERS

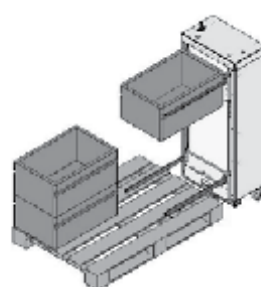
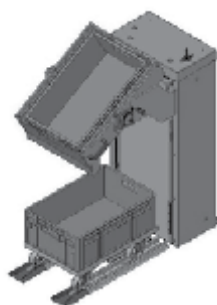


Lifters Further options I

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

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

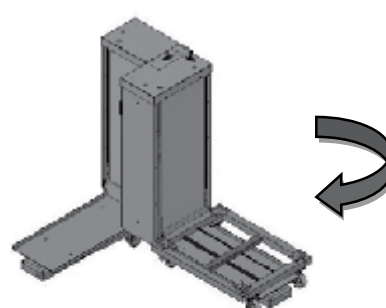
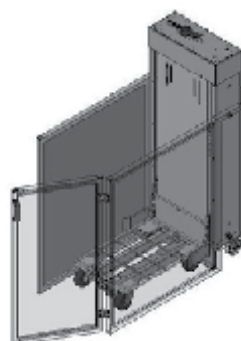
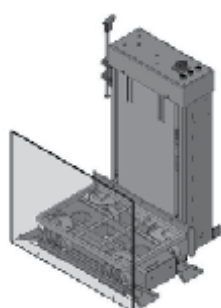
Item no. 147549
lifter for tilting



Item no. 135058
lifter with tilting unit

Item no. 139320
for tilting

Item no. 130730
for shifting KLT



Item no. 135561
for driving through

Item no. 140656
with housing – safety door

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.

MATERIAL IN FLOW

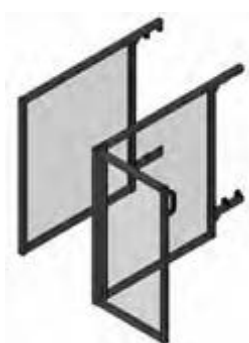
LIFTERS



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

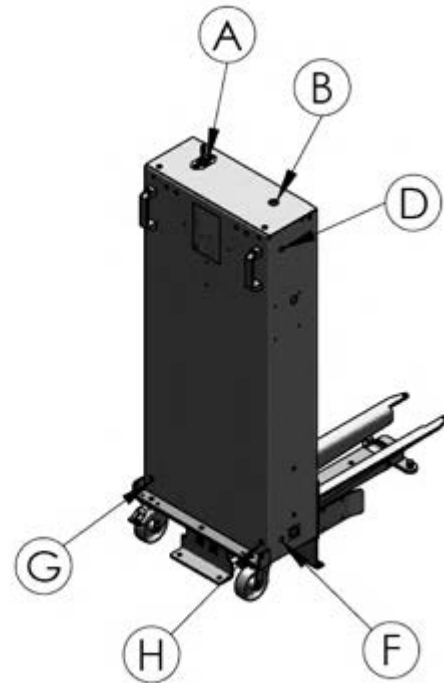
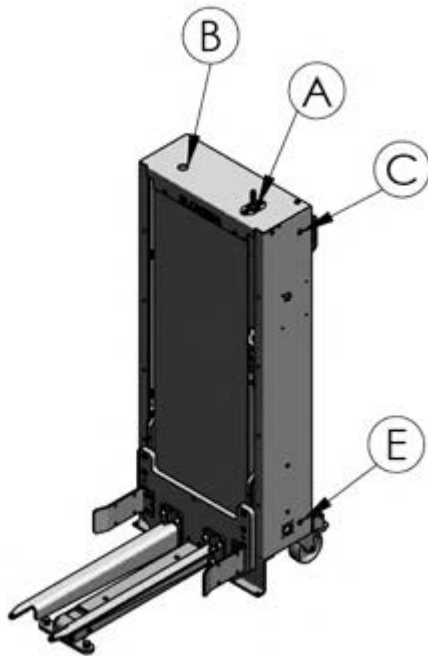
Other models / dimensions / loads as well as control elements on request.

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

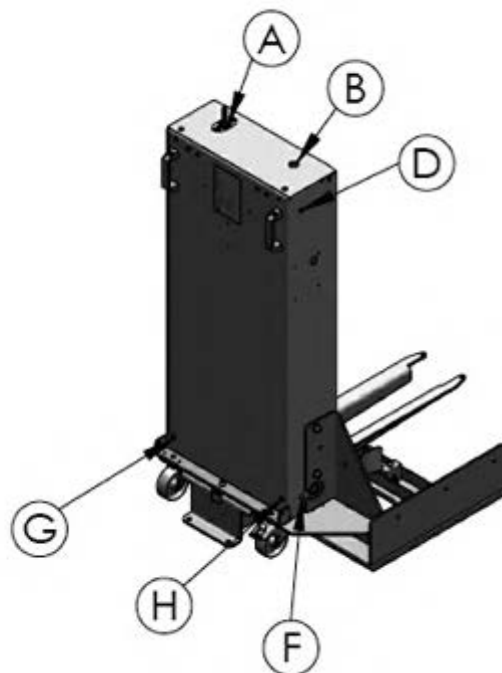
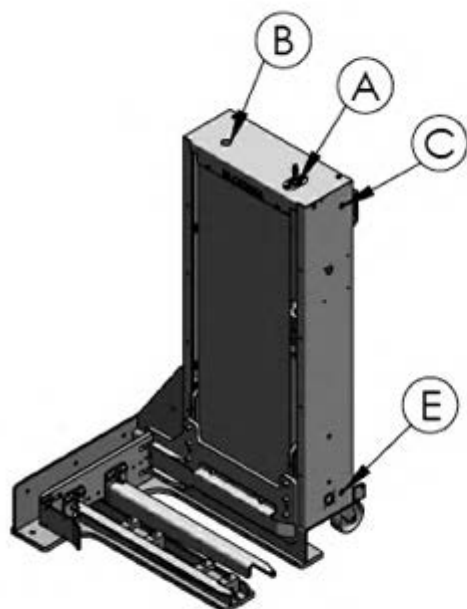
mögliche Luftanschlüsse
possible position air connection

	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

MATERIAL IN FLOW

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

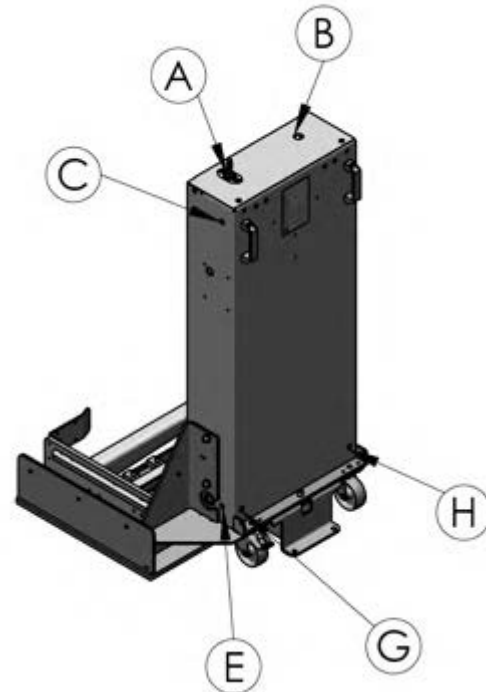
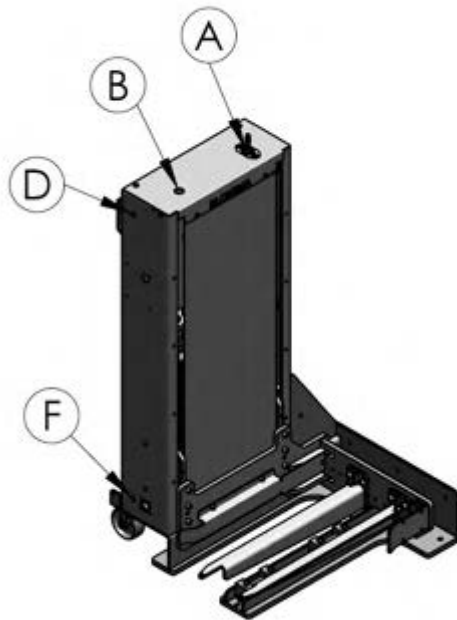
mögliche Handhebelpositionen
possible position hand lever

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

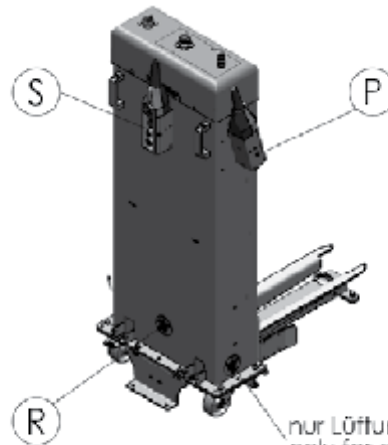
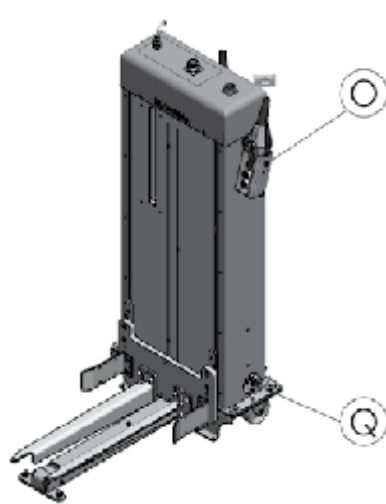
mögliche Luftanschlüsse
possible position air connection

	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

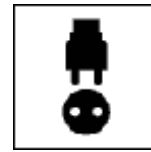
MATERIAL IN FLOW

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)

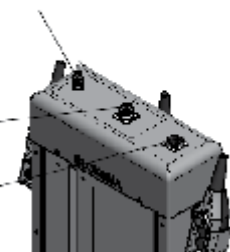
Drucktaster "SENKEN" /
push-button "push down"
(beleuchtet weiß /
luminous white)



Anschluß zum Bedienpanel /
connection to external
operating panel

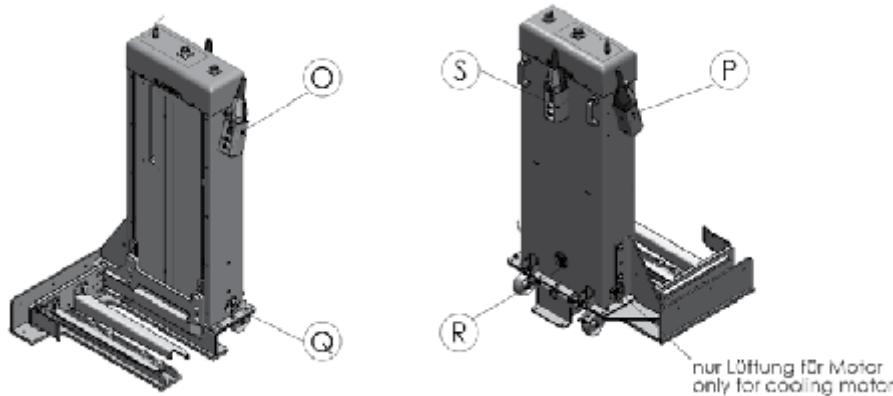
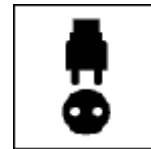
NOT-AUS-Pilz /
emergency stop button

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

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

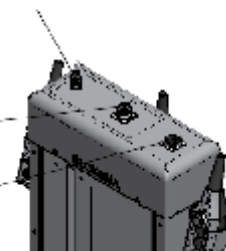
Q: side bottom right

R: back bottom centre

Anschluß zum Bedienpanel /
connection to external
operating panel

NOT-AUS-Pilz /
emergency stop button

Hauptschalter /
main switch



Main switch on the lifter top right

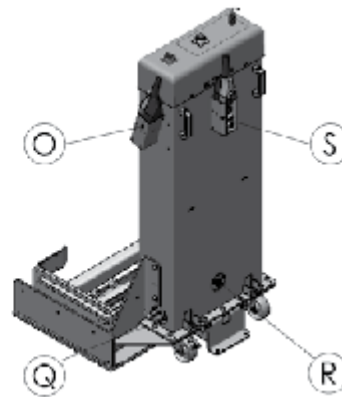
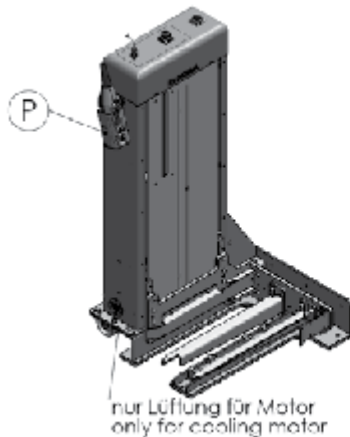
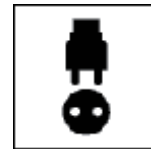
Emergency stop button

on the lifter top centre
and on the operating panel

MATERIAL IN FLOW

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

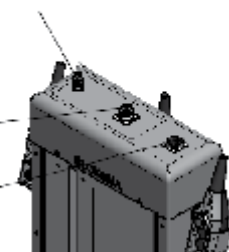
Emergency stop button

on the lifter top centre
and on the operating panel

Anschluß zum Bedienpanel /
connection to external
operating panel

NOT-AUS-Pilz /
emergency stop button

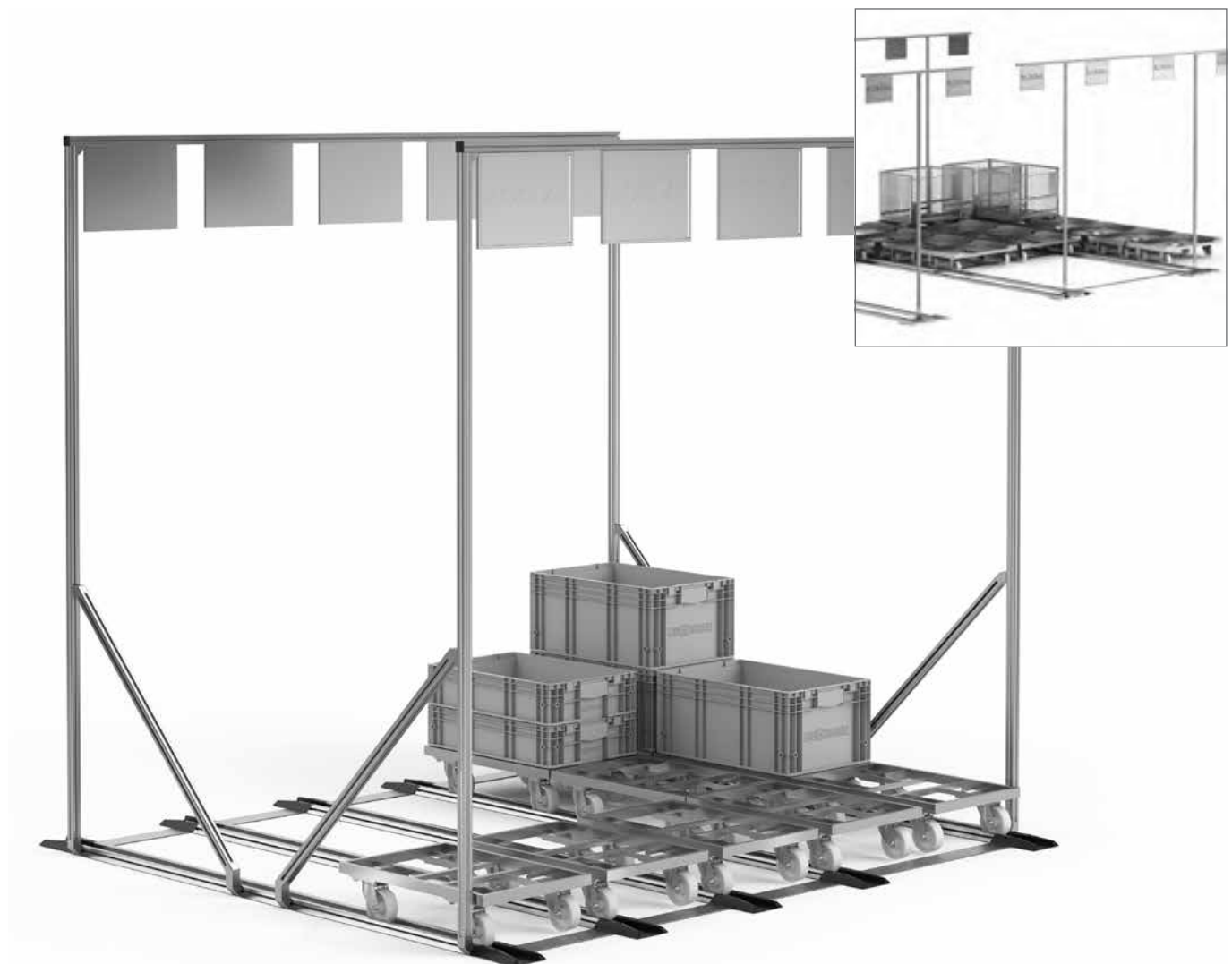
Hauptschalter /
main switch



NOTES

MATERIAL IN FLOW

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

MATERIAL IN FLOW

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

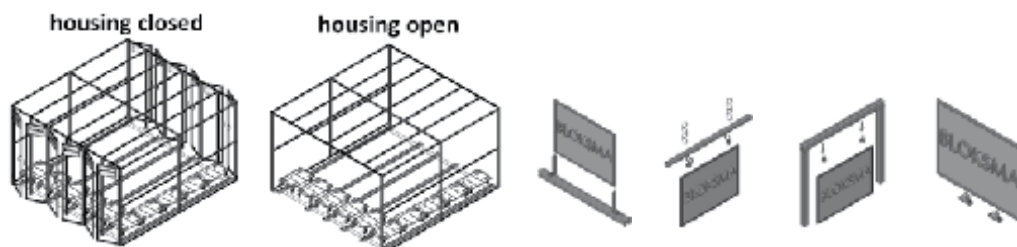
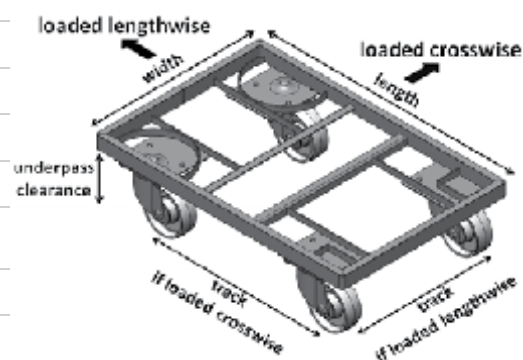
☐ YES

☐ NO

Wheel pairing

☐ 2 swivel /
2 fixed castors

☐ 4 swivel castors



Labeling

B

K

H

P

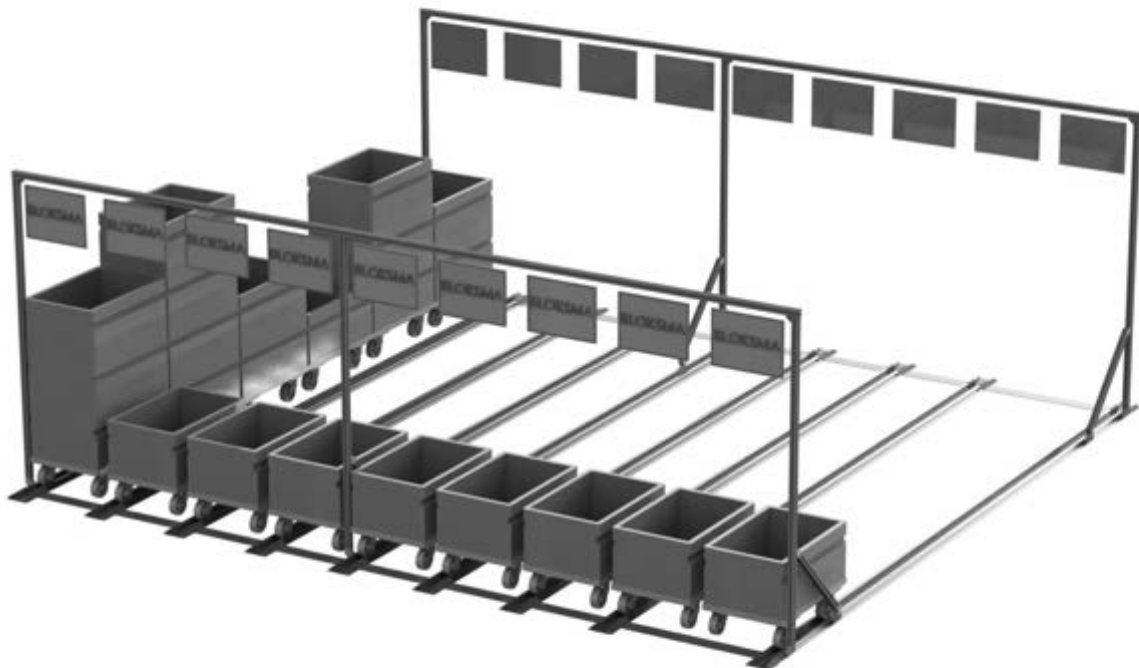
Housing	☐ open	☐ closed	☐ without housing
Label	☐ one-sided	☐ double-sided	☐ without labelling
Label type	☐ H	☐ P	☐ K
	☐ B		
Label size	☐ DIN A3	☐ DIN A4	☐ DIN A5
Label colour	☐ blue	☐ yellow	☐ green
	☐ red	☐ white	☐ black
Label amount	pieces		
Label height	mm (vertical module)		

Additional comments

SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Wheel guidance on one side – Monorail system

For trolleys with wheel width up to 40 mm



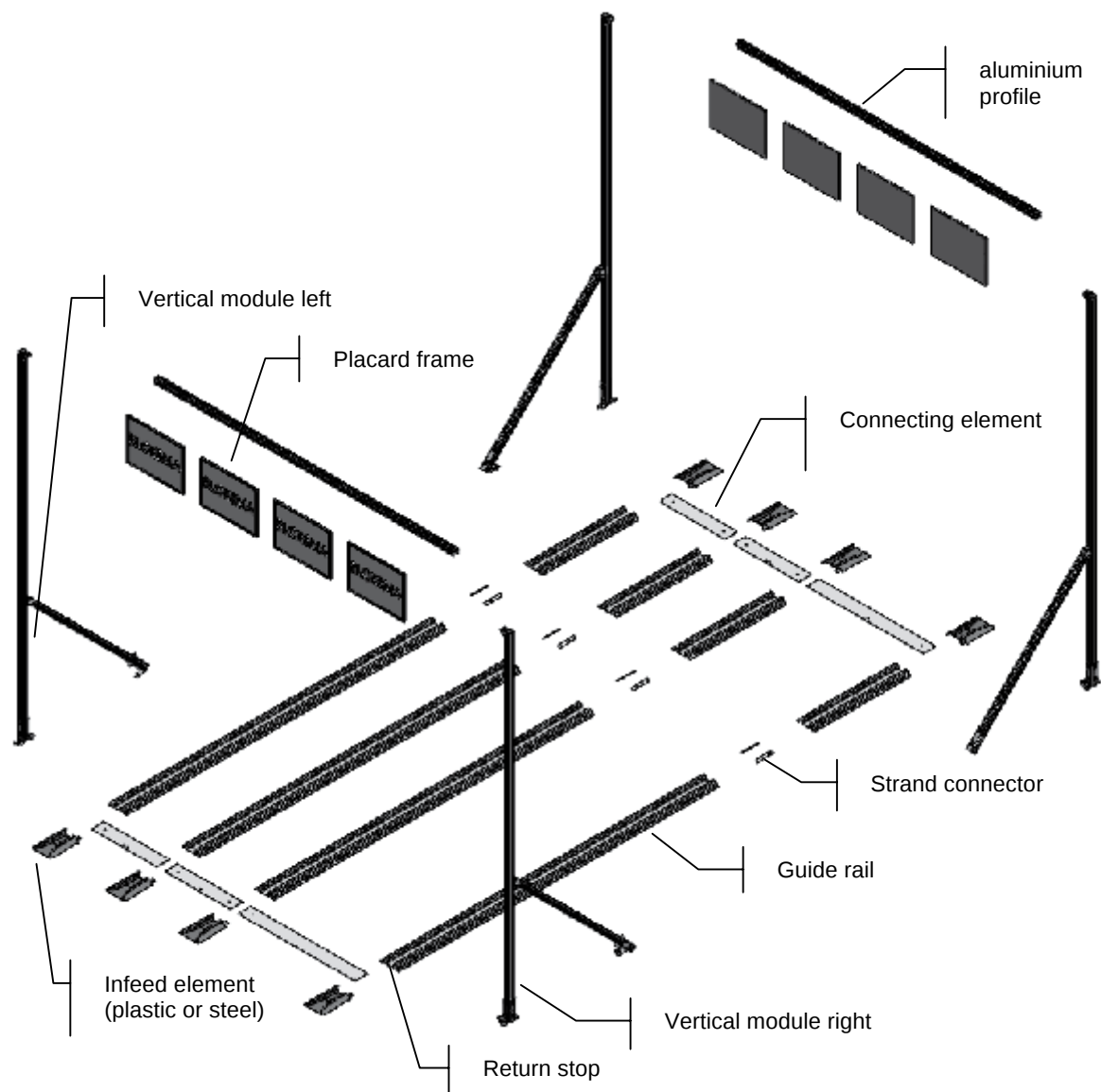
Supermarket monorail system:

- ✓ 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

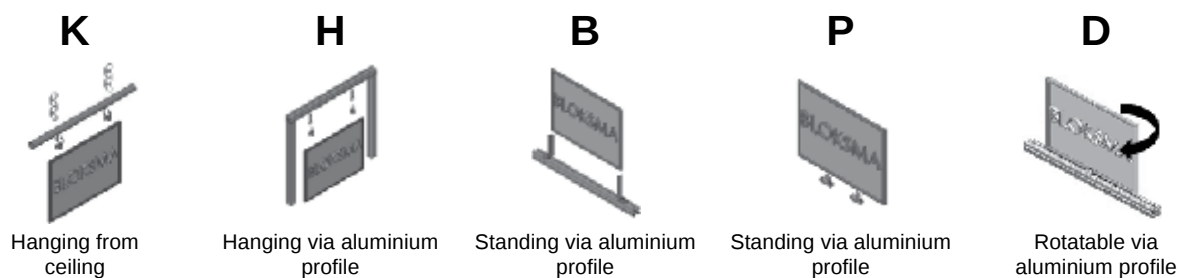
MATERIAL IN FLOW

SUPERMARKET G3 – ALUMINIUM SYSTEM ALUMINIUM RAIL SYSTEM

G3 SW 41
Supermarket
G3 – Steel Structure

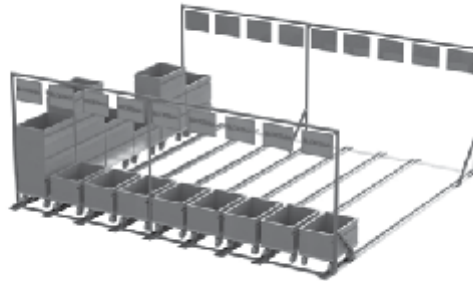
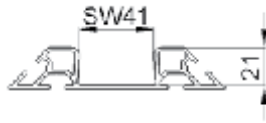


Possibilities of labeling:



SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 41 mm



Supermarket

G3 – SW 41 – Aluminium

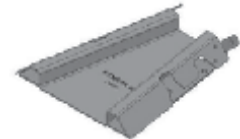
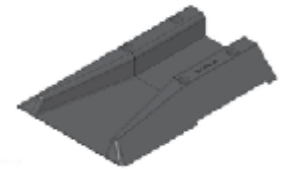
For trolleys with wheel width
40 mm maximum

Modular system

Single components

Infeed elements

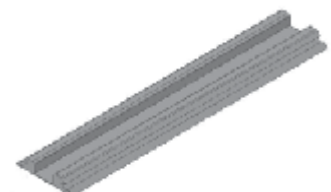
Item no.	Description	Model
138124-9005	infeed element plastic FIFO-Alu-guide rail black similar RAL 9005	EBA – EFEOD
138124-1021	infeed element plastic FIFO-Alu-guide rail yellow similar RAL 1021	EBA – EFEOD
138124-3001	infeed element plastic FIFO-Alu-guide rail red similar RAL 3001	EBA – EFEOD
201664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

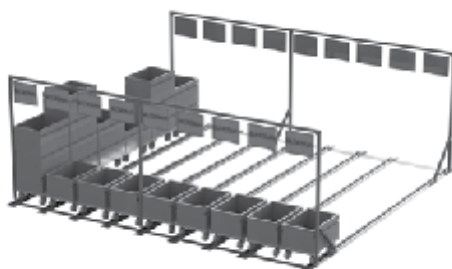
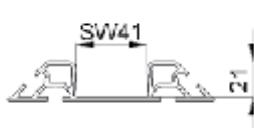


Example: **138318-0800A** Aluminium guide rail with the length 800 mm, anodized

MATERIAL IN FLOW

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

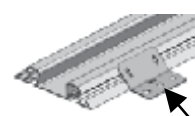
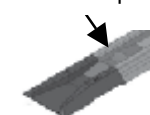


inserted lengthwise

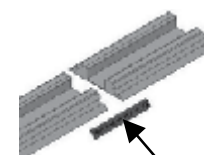


inserted crosswise

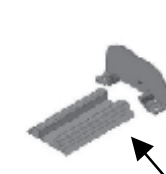
return stop



shackles



connecting
element

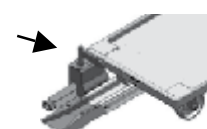


end stop rail



brake – brush

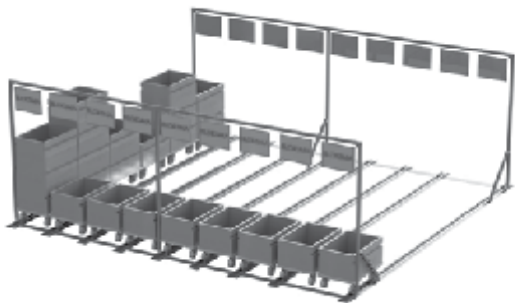
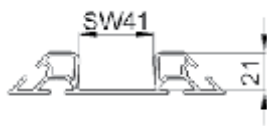
stopper



Item no.	Description	Model
141427-0040A	return stop10 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

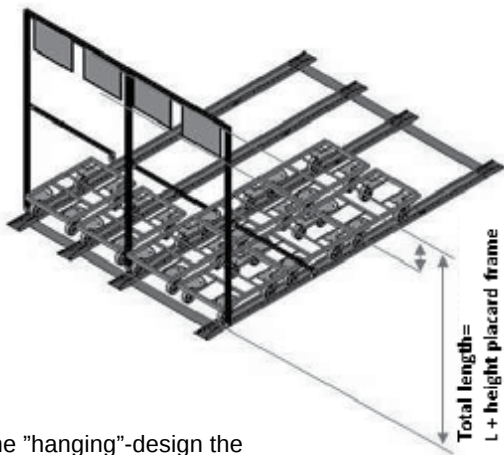
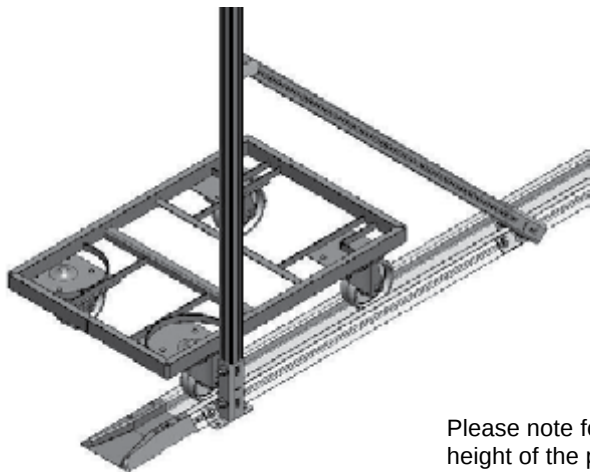


Supermarket
G3 – SW 41 – Aluminium

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 lenght" = 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. 			

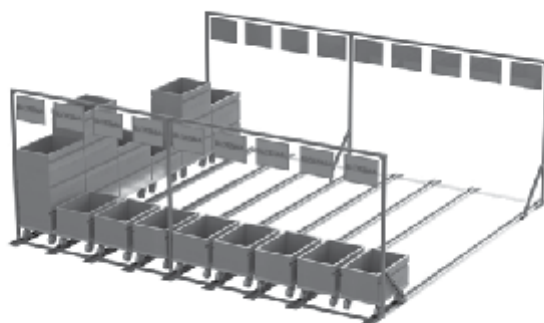
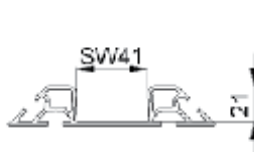
Example: **202216-L2100**
Vertical module left, height 2.100 mm



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

MATERIAL IN FLOW

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

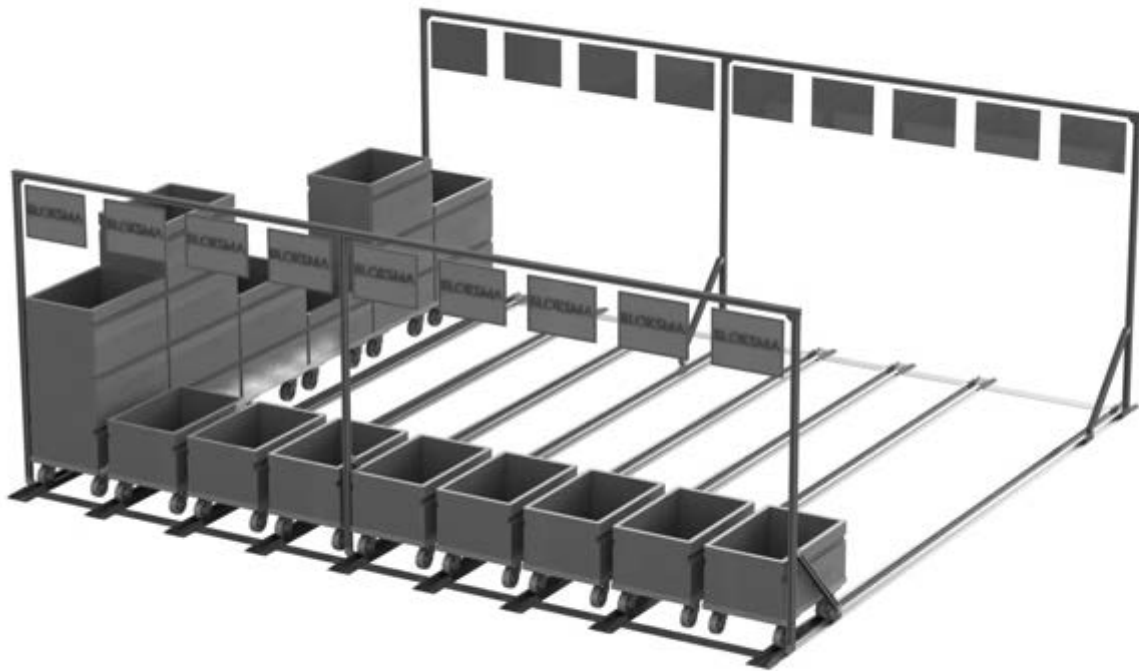


Example: **142419-0800A** Aluminium profile round with grooves, length 800 mm, anodized

SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Wheel guidance on one side – Monorail system

For trolleys with wheel width up to 50 mm



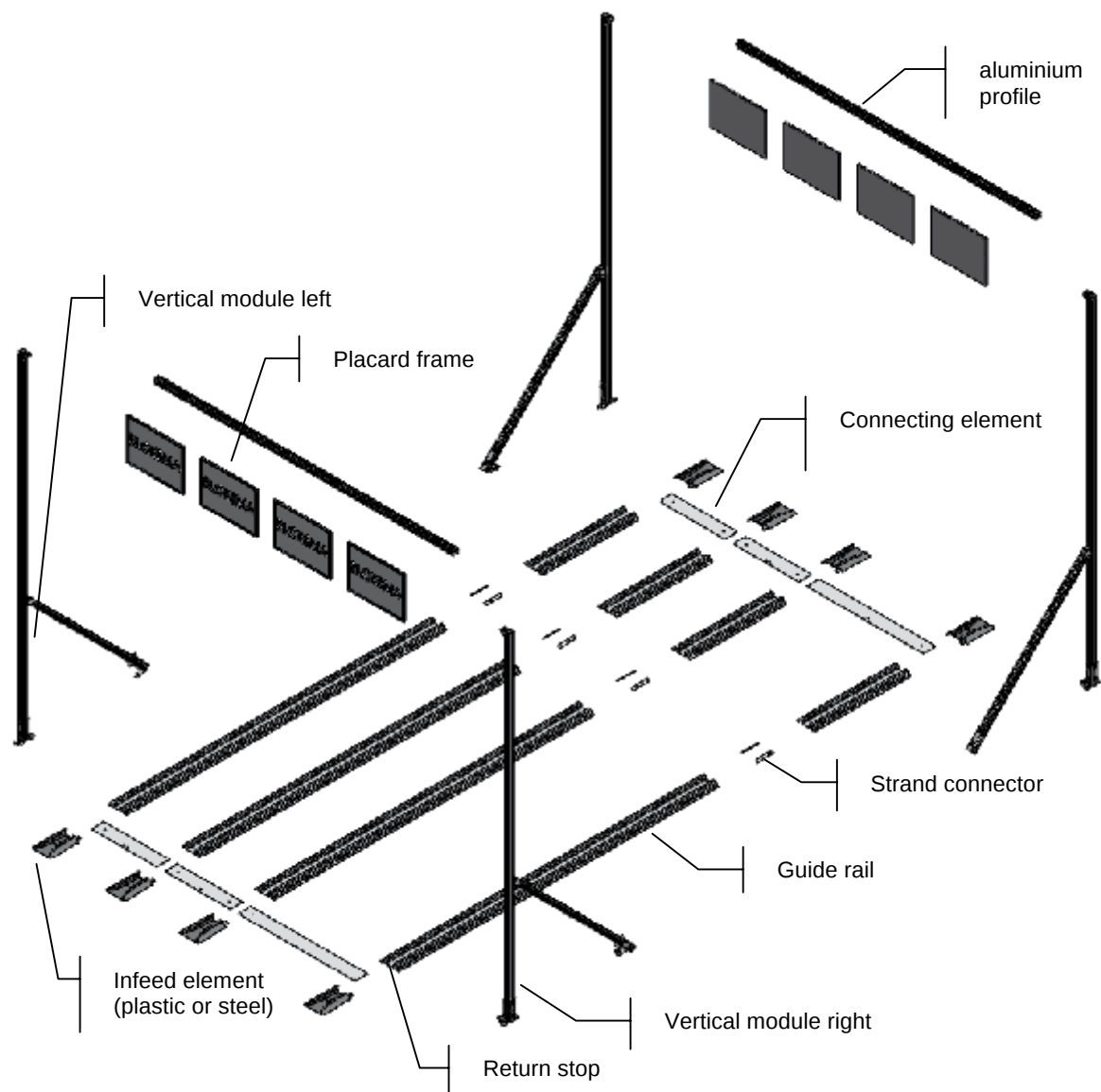
Supermarket monorail system:

- ✓ 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

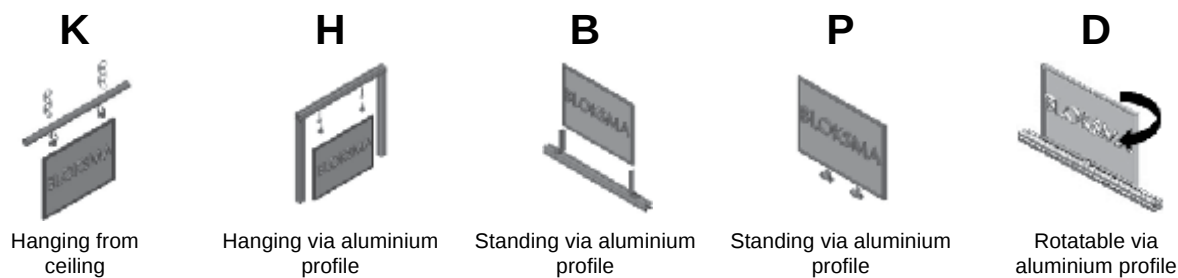
MATERIAL IN FLOW

SUPERMARKET G3 – ALUMINIUM SYSTEM ALUMINIUM RAIL SYSTEM

G3 SW 52
Supermarket
G3 – Steel Structure

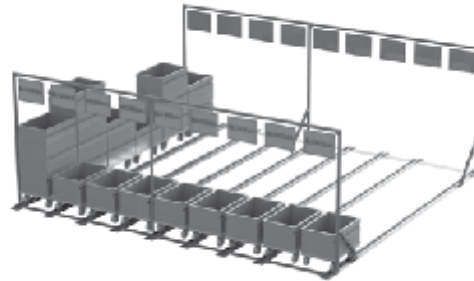


Possibilities of labeling:



SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 52 mm



Supermarket

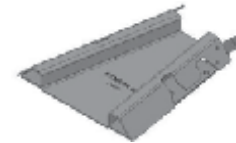
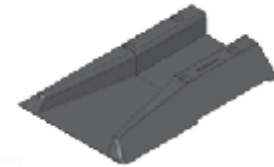
G3 – SW 52 – Aluminium

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

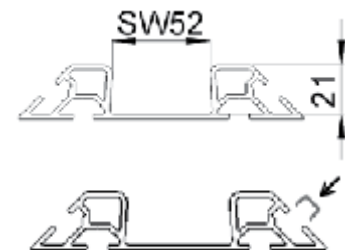
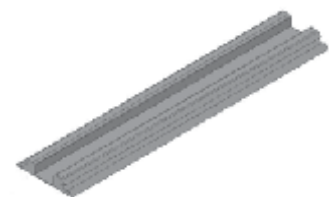


Guide rails

Encryption:

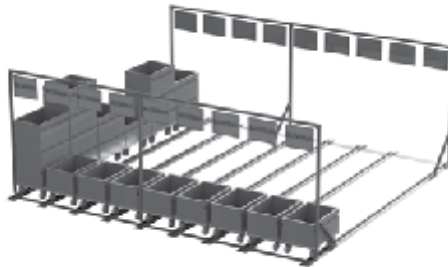
Example: **148448-0800** Aluminium guide rail with the length 800 mm, anodized

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	



MATERIAL IN FLOW

SUPERMARKET ALU GUIDE RAIL SYSTEM G3 Track 52 mm



Supermarket

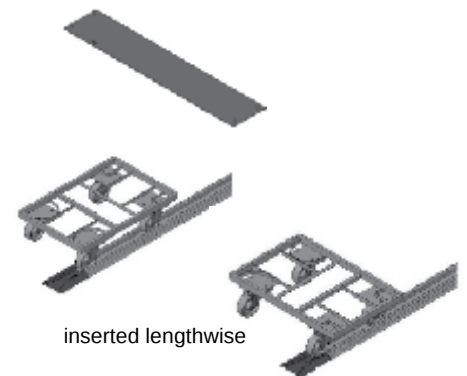
G3 – SW 52 – Aluminium

For trolleys with wheel width
50 mm maximum

Modular system

Single components Connecting elements - stoppers

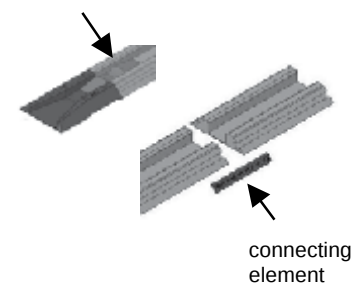
Item no.	Description	Remarks / trolley
201500-xxxx	connecting element inserted lengthwise	individually customized
201500-xxxx	connecting element inserted lengthwise	individually customized



inserted crosswise

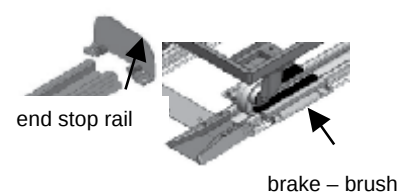
Item no.	Description	Model
141427-0050A	return stop 10 mm	EBA – RSEOD
144417-0050A	return stop 6 mm	EBA – RSEOD
138759	connecting element guide rails	BBA – LASCD
142327	shackles	BBS-LADÜD

return stop



connecting element

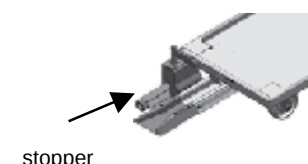
Item no.	Description	Model
200400	end stop rail	BBA – ABRLD



end stop rail

brake – brush

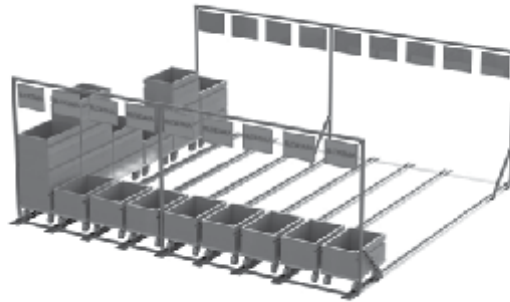
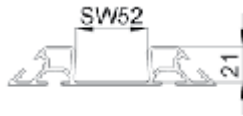
139621	brake – brush – can be retrofitted	EBA – BREAD
202219-LI	ZB-stopper left	BBA – STOPP3
202219-RE	ZB-stopper right	BBA – STOPP3



stopper

SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 52 mm



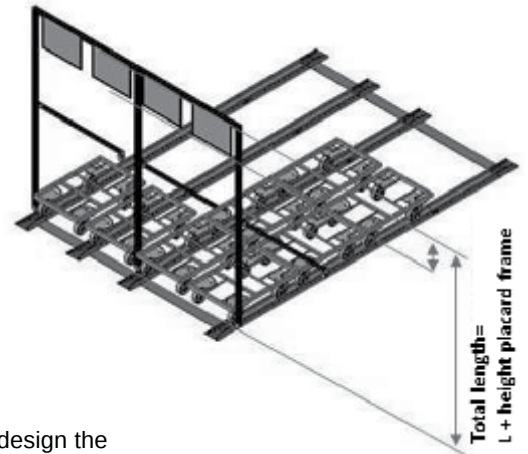
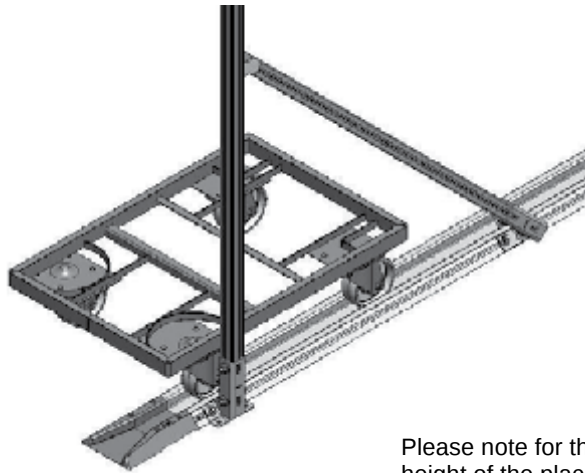
Supermarket

G3 – SW 52 – Aluminium

For trolleys with wheel width
50 mm maximum

Modular system

Single components for labeling Vertical modules

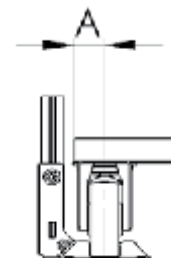


Please note for the "hanging"-design the height of the placard frame. "total length" = clearance requested plus height of placard frame

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

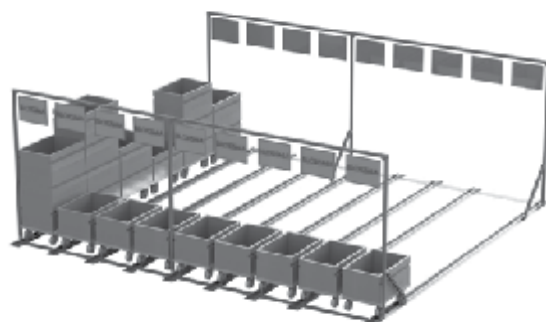
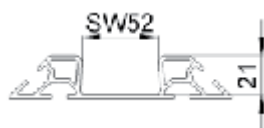


Please contact us if your trolley size A is not listed so that we can design and offer your appropriate vertical module

MATERIAL IN FLOW

SUPERMARKET ALU GUIDE RAIL SYSTEM G3

Track 52 mm



Supermarket

G3 – SW 52 – Aluminium

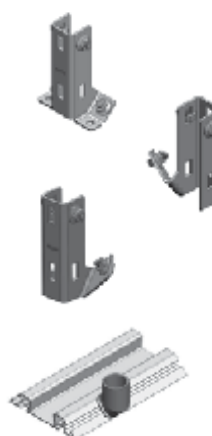
For trolleys with wheel width
50 mm maximum

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



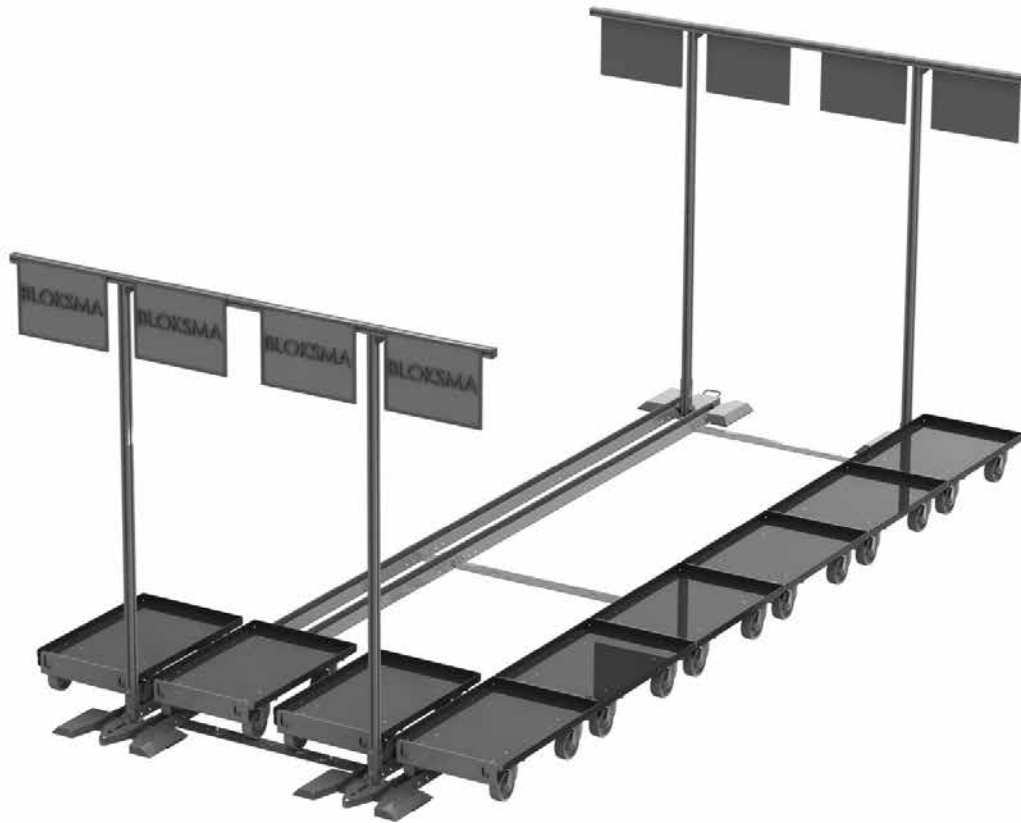
Example: **142419-0800A** Aluminium profile round with grooves, length 800 mm, anodized

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



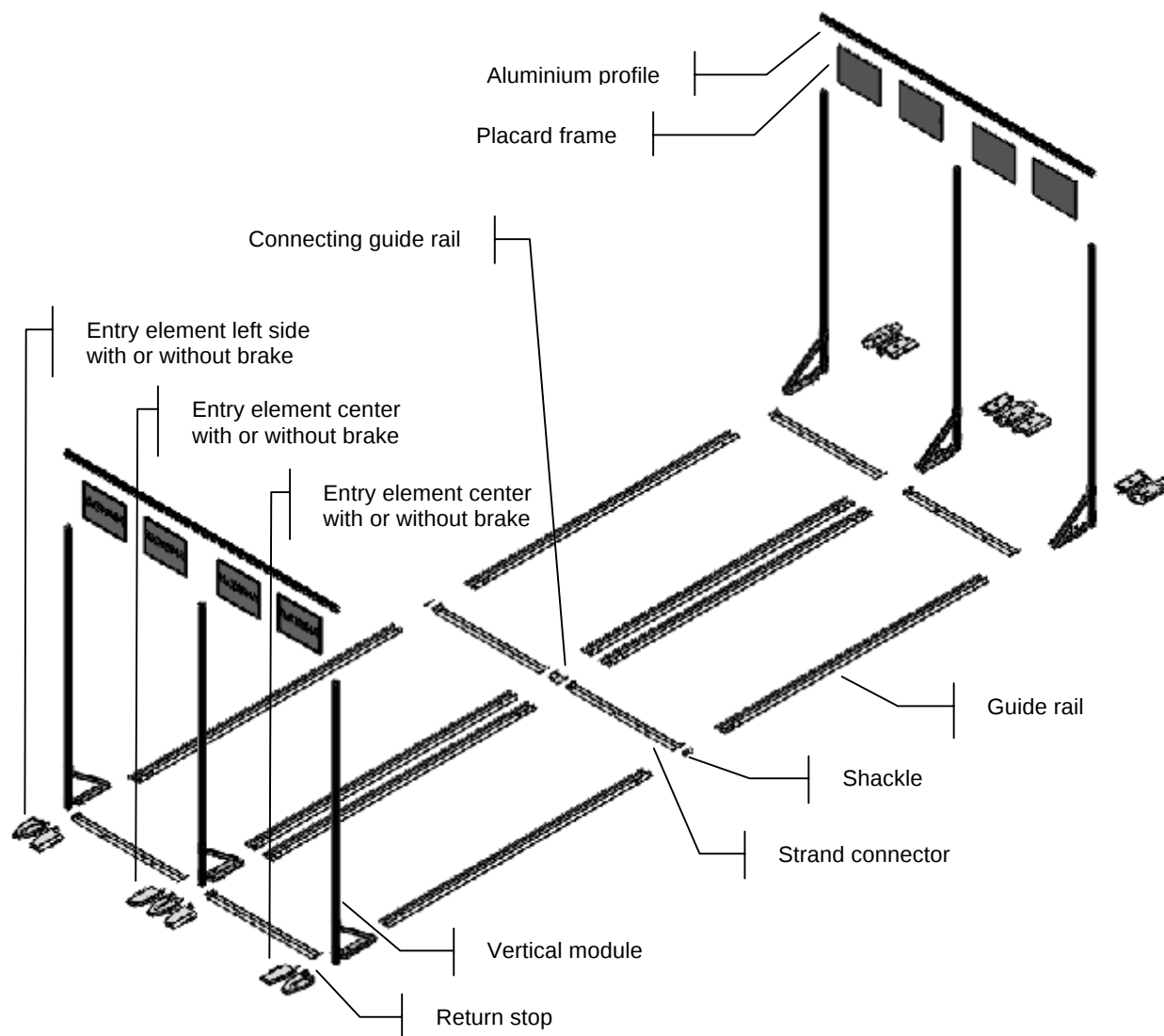
Supermarket steel guide rail:

- ✓ 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

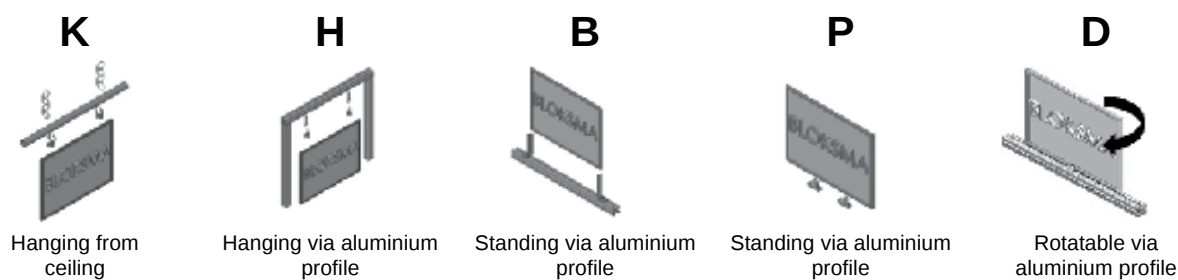
MATERIAL IN FLOW

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

G2 SW 42
Supermarket
G2 – Steel Structure

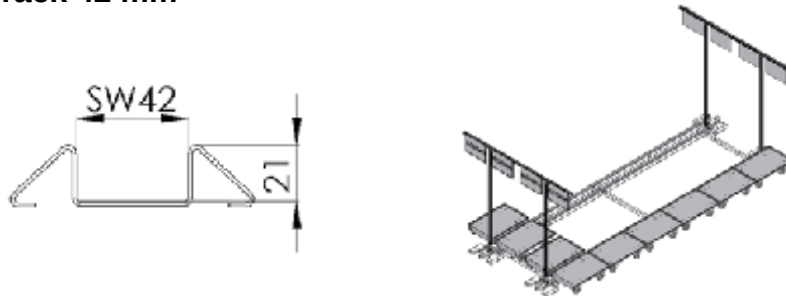


Possibilities of labeling:



SUPERMARKET STEEL GUIDE RAIL SYSTEM G2

Track 42 mm



Supermarket

G2 – SW 42 – Steel

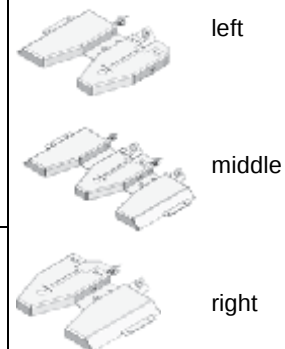
For trolleys with wheel width
40 mm maximum

Modular system

Entry elements

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

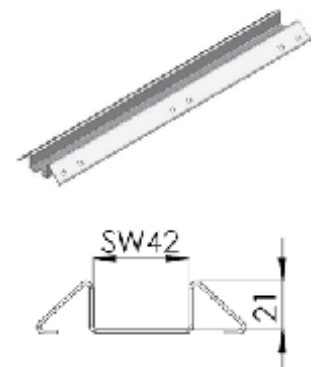
Item no.	Description	Trolley
202805-xx-xx	Entry elements for BOZ-Trolley — — — — — ↑ ↑ ↑ ↑ Li (left) ST – stopper Re (right) OO – no stopper Mi (middle)	630 x 430 mm lengthwise
202806-xx-xx	Entry elements for BOZ-Trolley	630 x 430 mm crosswise
202807-xx-xx	Entry elements for BOF-Trolley	600 x 400 mm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



Guide rails

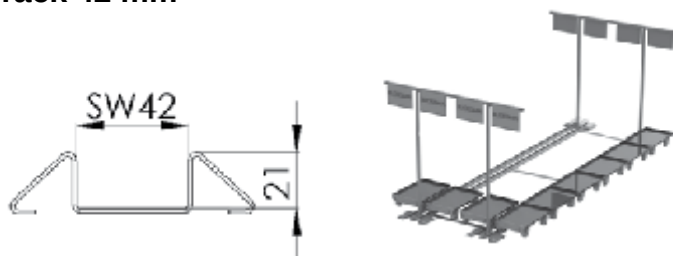
Example: 200418-0800B Steel guide rail with the length 800 mm, galv. zinc-coated blue

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



MATERIAL IN FLOW

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 Right / Left / Middle (to infeed element R / L / M) consisting of profile holder and aluminium profile L = xxxx	BBA – SEMMZ
132401-xxxxA	aluminium profile	ETP – ALPOA

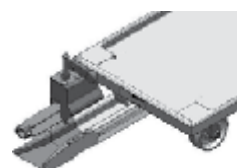


 Please fill in length in mm of guide rail / profile requested.		
---	--	--

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



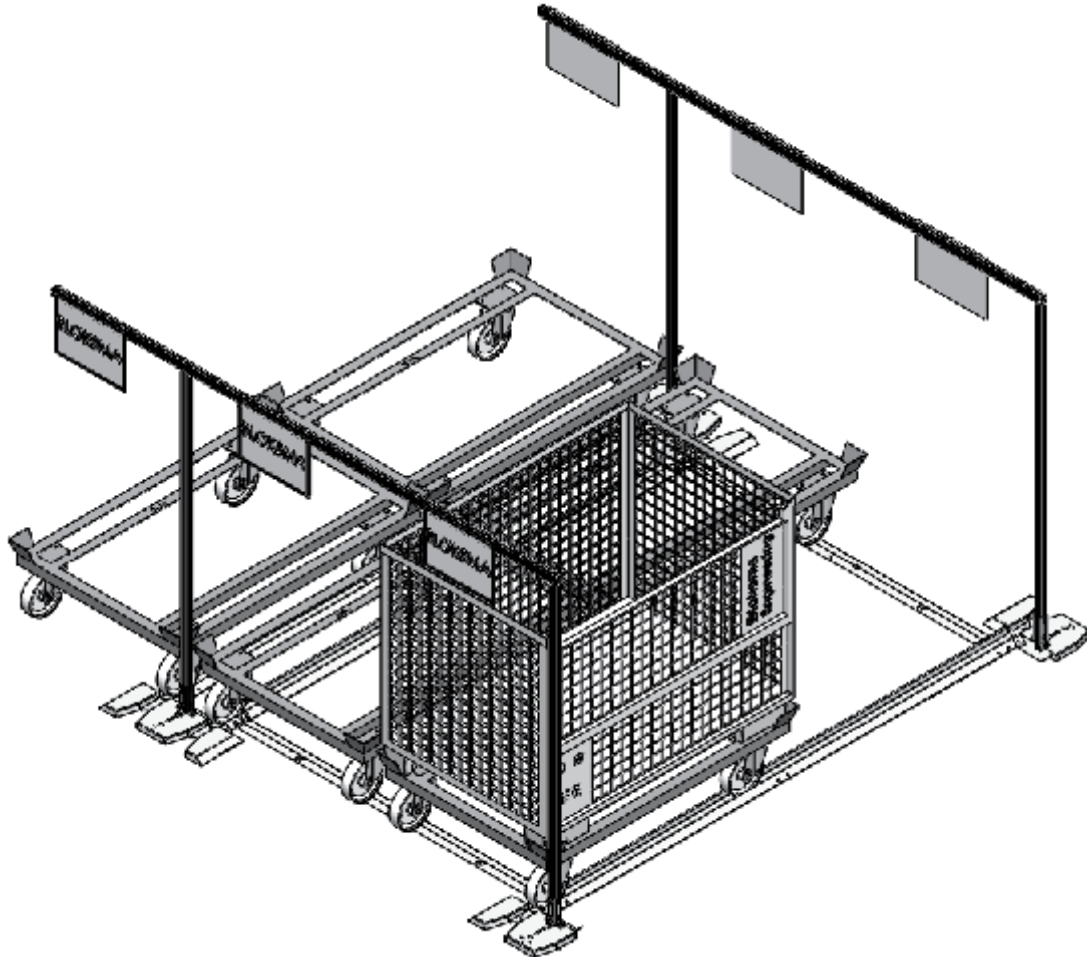
Other lengths / models / materials deliverable on request.

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



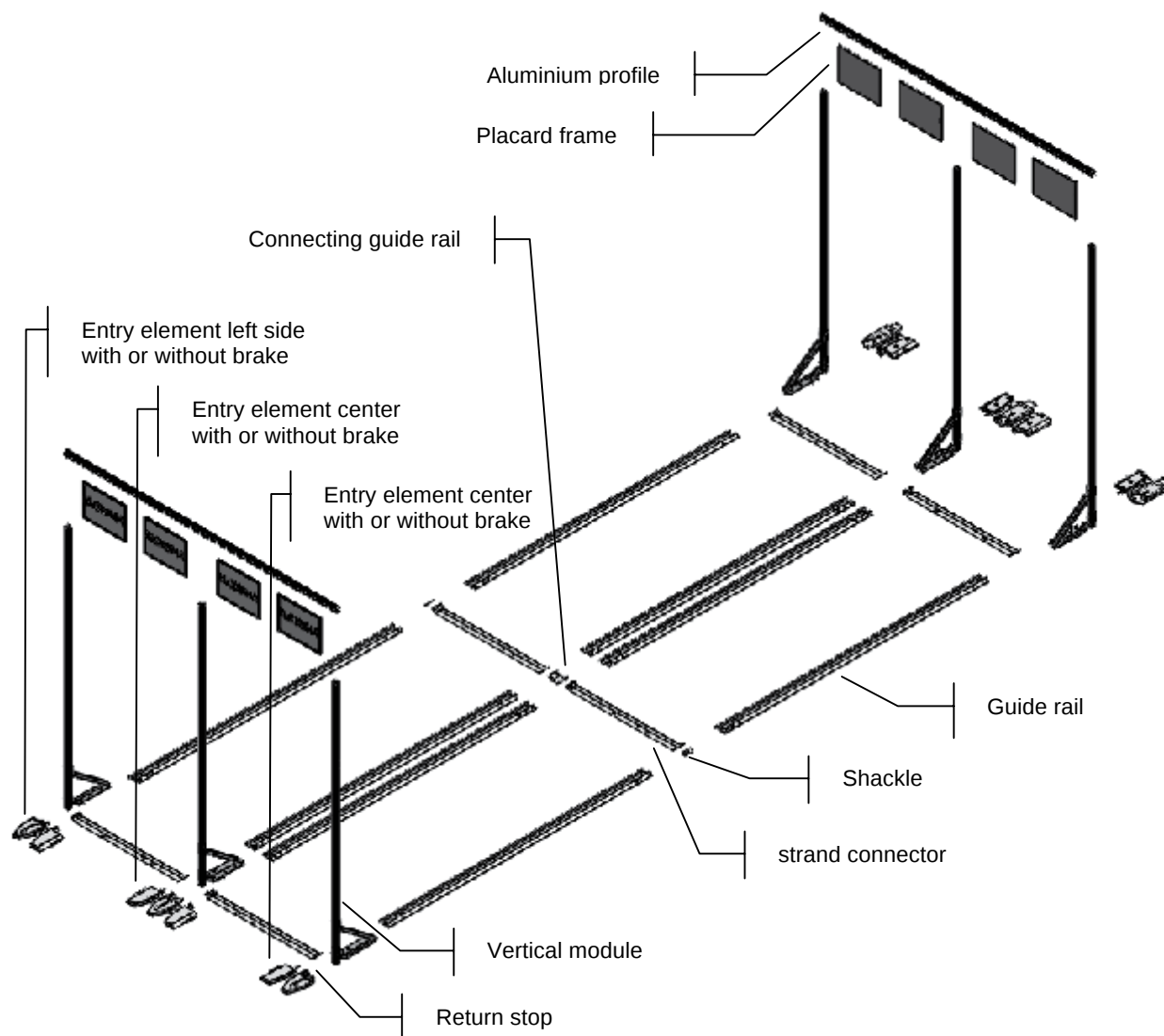
Supermarket steel guide rail:

- ✓ 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

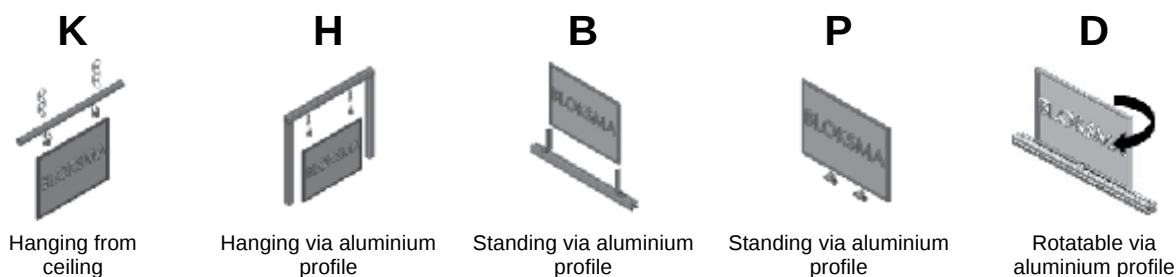
MATERIAL IN FLOW

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

G2 SW 52
Supermarket
G2 – Steel Structure

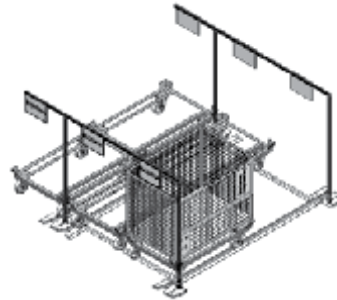
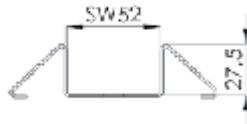


Possibilities of labeling:



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

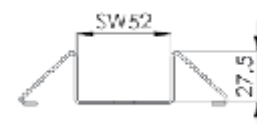
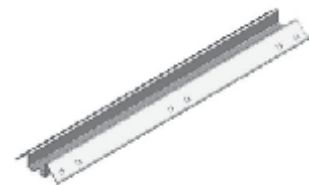


right

Guide rails

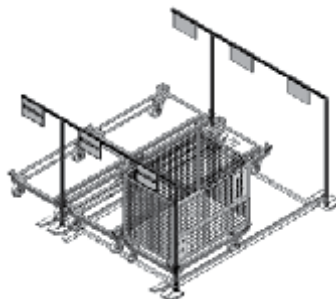
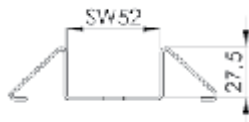
Example: 200418-0800B Steel guide rail with the length 800 mm, galv. zinc-coated blue

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



MATERIAL IN FLOW

SUPERMARKET STEEL GUIDE RAIL SYSTEM G2 Track 52 mm



Supermarket

G2 – SW 52 – Steel

For trolleys with wheel width
50 mm maximum

Modular system

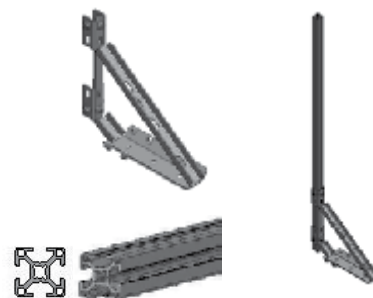
Item no.	Description	Model
202810-xxxxB	strand connector incl. fixing material	BBA – STVEZ
139231	shackle incl. fixing material	BBA – LADUZ
145960	connecting guide rail	BBA – LASCZ
141427-0050A	return stop at infeed element 10 mm high	EBA – RSEOD
144417-0050A	return stop at infeed element 6 mm high	EBA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



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



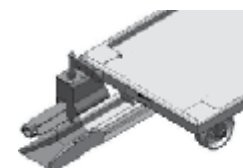
Please fill in length in mm of guide rail / profile requested.



135890	info holder complete incl. fixing material	BBA – INFOH
--------	---	-------------



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



Other lengths / models / materials deliverable on request.

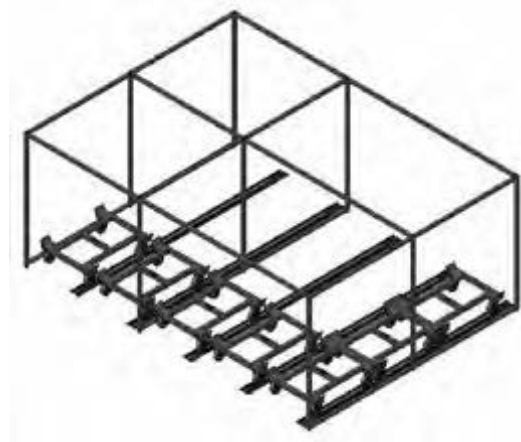
SUPERMARKET – WITH HOUSING / WITH SUPERSTRUCTURE



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.

MATERIAL IN FLOW

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 P standing <i>incl. fixing material</i>	BBA – PLA
201032	A — ↑	— — ↑ ↑	placard frame H hanging via aluminium profile <i>incl. fixing material</i>	BBA – PLA
201033	A — ↑	— — ↑ ↑	placard frame K hanging from ceiling <i>incl. fixing material</i>	BBA – PLA
201034	A — ↑	— — ↑ ↑	placard frame B standing via aluminium profile <i>incl. fixing material</i>	BBA – PLA
201546	A — ↑	— — ↑ ↑	placard frame D 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

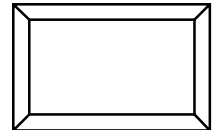
Supermarket Placard frames II

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

MATERIAL IN FLOW

SUPERMARKET ACCESSORIES

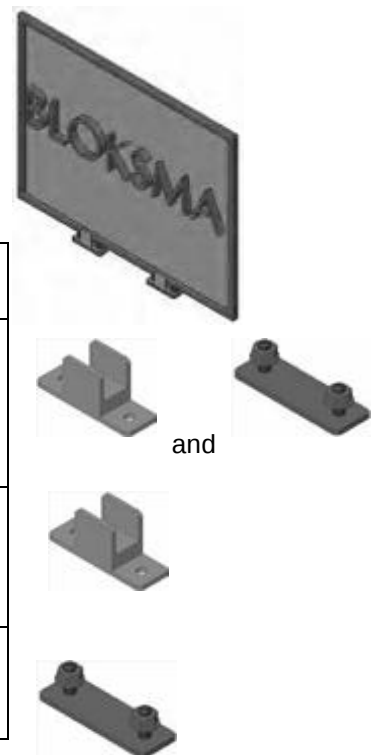
Supermarket Accessories I

Components for labeling

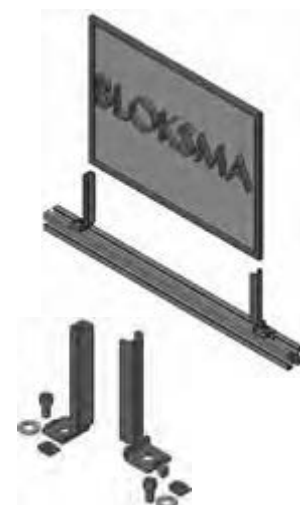


Single components – fixing elements I

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

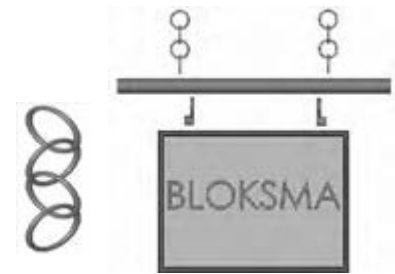


Supermarket Accessories II

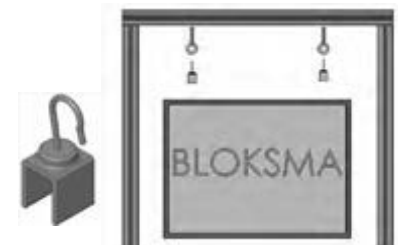
Components for labeling

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



MATERIAL IN FLOW

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



MATERIAL IN FLOW

SUPERMARKET ACCESSORIES



Supermarket Accessories V

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

Thus FIFO is guaranteed.

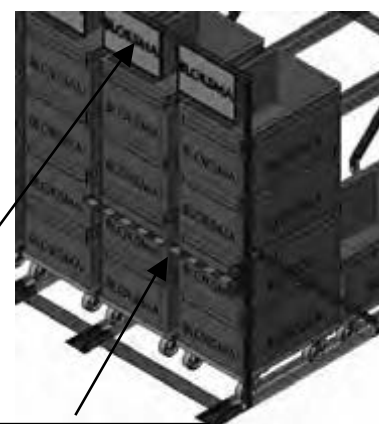
Single components – marking of tracks

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

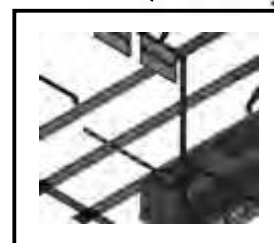


Locking of tracks

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.	

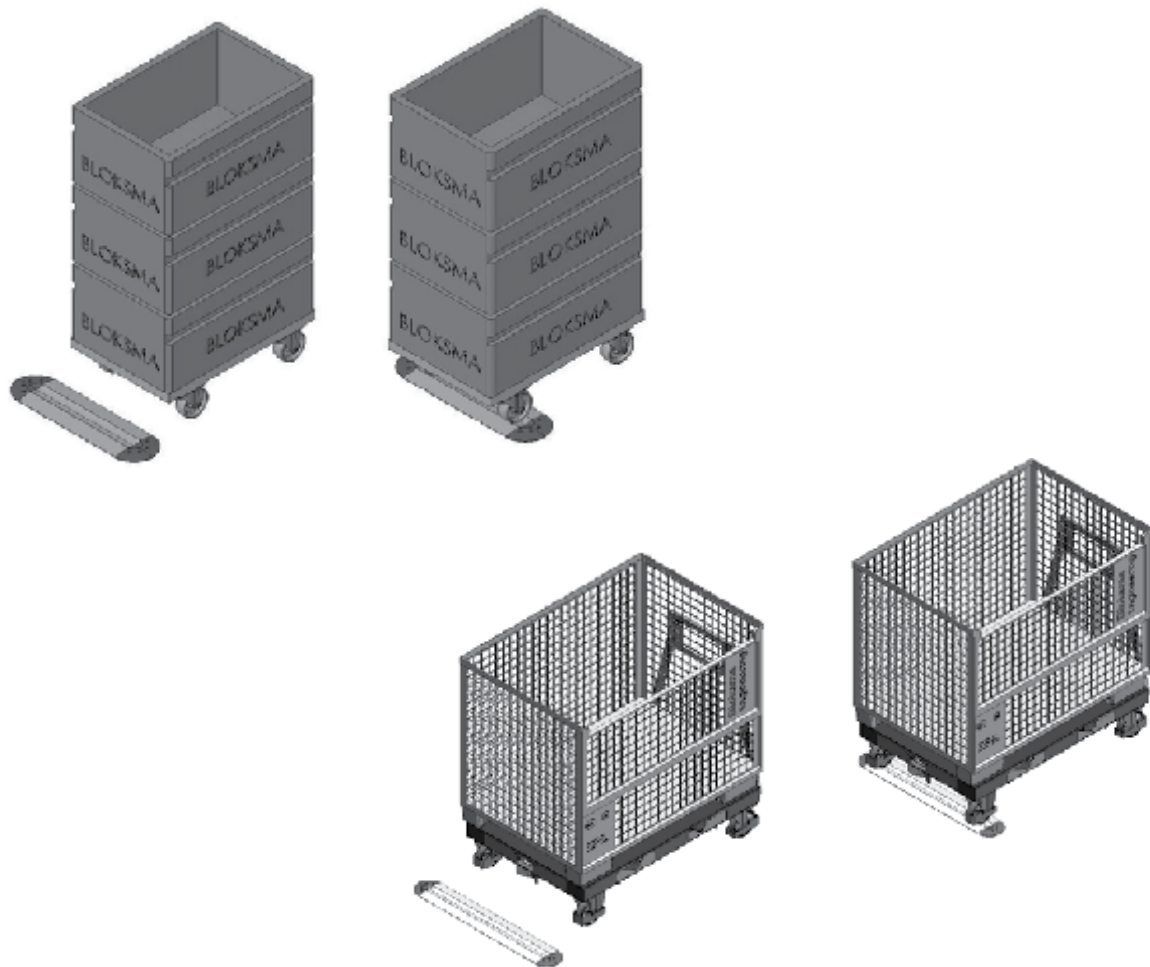
MATERIAL IN FLOW

NOTES



TROLLEY PARKING

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



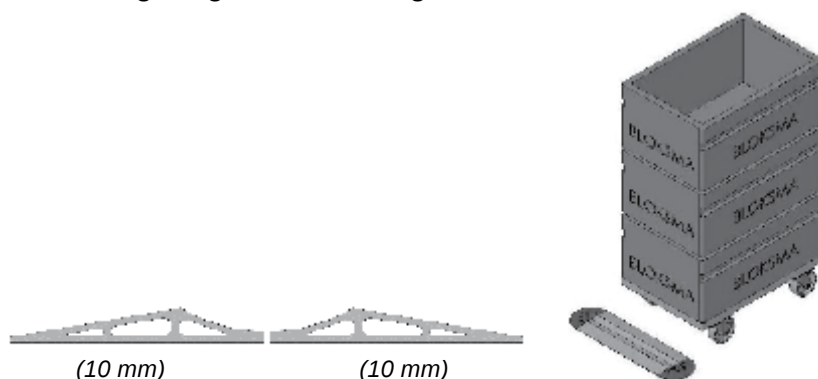
Parking lots for trolleys (with stack of KLT or GLT)

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

MATERIAL IN FLOW

PARKING LOTS – COMPLETE SET

Version high-high – 10 mm high



Parking lot

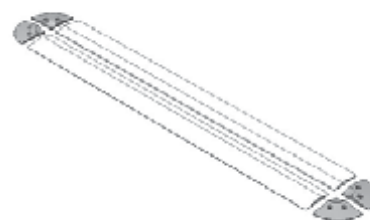
Safe parking of trolleys at work place – no risk of accidental move

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		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

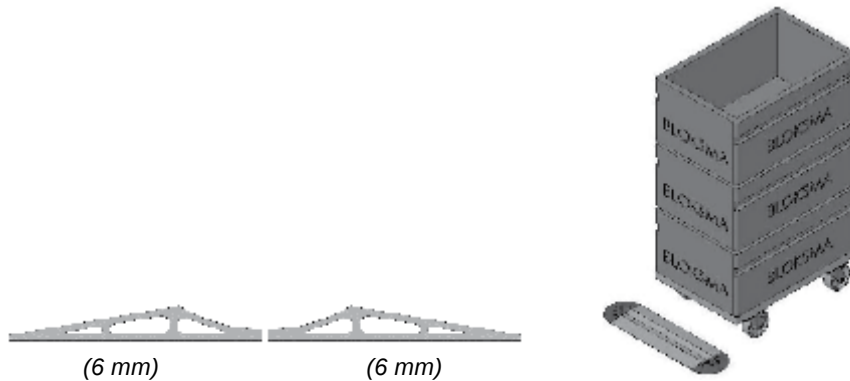
Item no.	Description
138729-H-H	1x end piece set parking lot (contents per set: 4 pieces)
141427-xxxxA	2x Alu parking lot guide rails – 10mm high (contents per set: 2 pieces) xxxx = length in mm



All components are also available separately.

PARKING LOTS – COMPLETE SET

Version flat-flat – 6 mm high



Parking lot

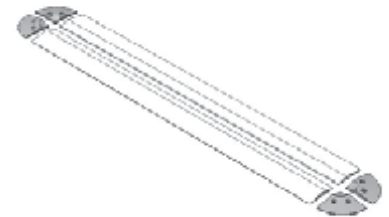
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

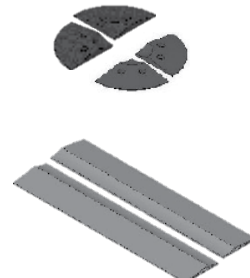
Example: **200443-0400A** Parking lot set with the length 400 mm, anodized

Item no.	Length	Processing
200443-xxxxx		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-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

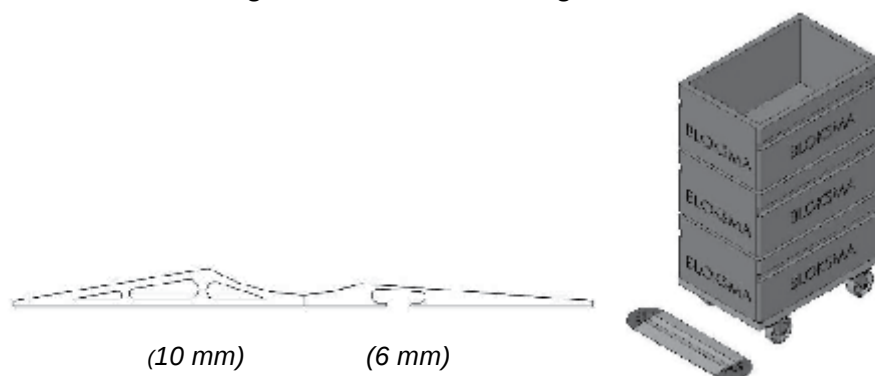


All components are also available separately.

MATERIAL IN FLOW

PARKING LOTS – COMPLETE SET

Version flat-high – 6 mm / 10 mm high



Parking lot

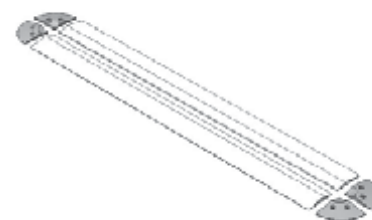
Safe parking of trolleys at work place – no risk of accidental move

Single components for self-assembly

Modular system

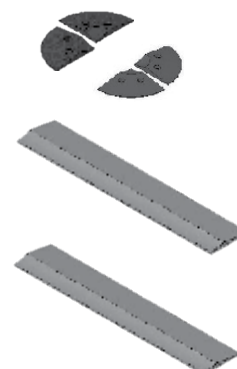
Example: **200442-0400A** Parking lot set with the length 400 mm, anodized

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

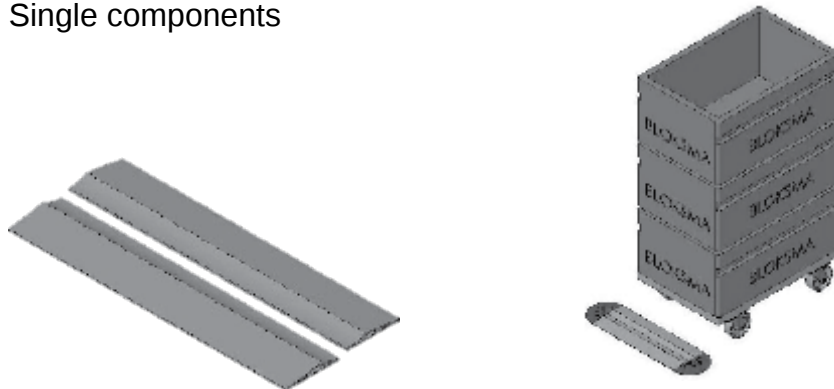
Item no.	Description
138729-H-N	1x end piece set parking lot (contents per set: 4 pieces)
141427-xxxxA	1x Alu parking lot guide rails – 10mm high (contents per set: 1 piece) xxxx = length in mm
144417-xxxxA	1x Alu parking lot guide rails – 6mm high (content per set: 1 piece) xxxx = length in mm



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

MATERIAL IN FLOW

PARKING LOTS

Single components



Parking lot

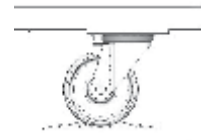
Safe parking of trolleys at work place – no risk of accidental move

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

MATERIAL IN FLOW

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

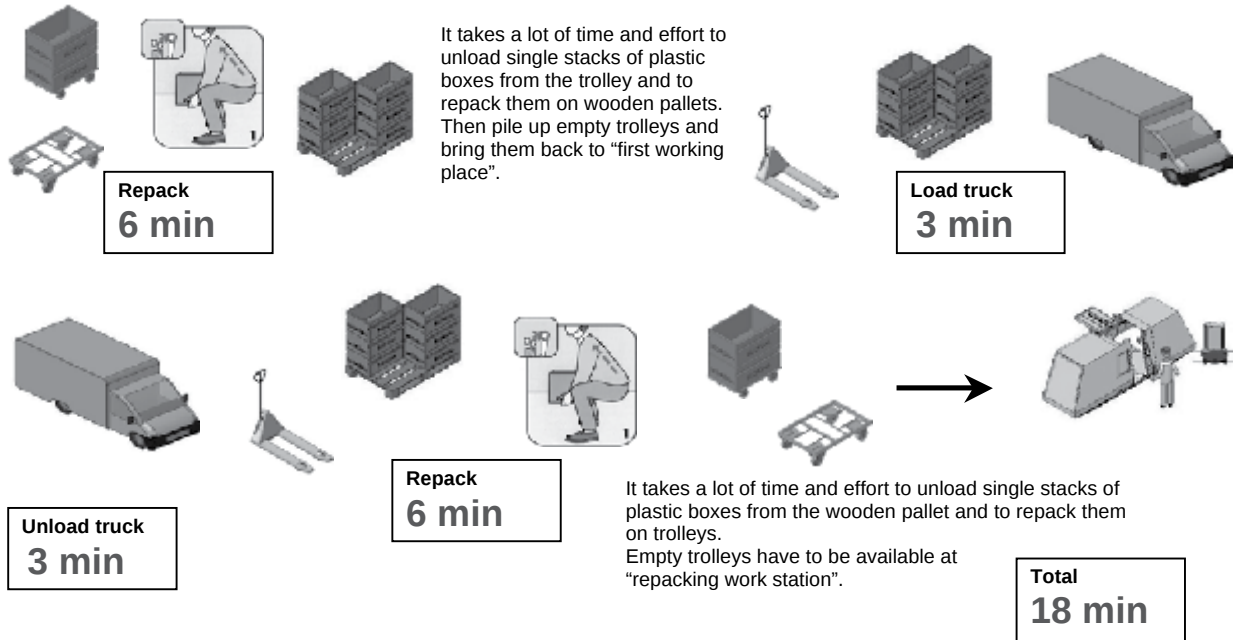
	Transport Pallets and Racks TFG	116
	Milkrun – Taxi Carts TRT (Taxi cart with ramp / trailing system)	120
	Milkrun – Taxi Carts TRT (Taxi cart with ramp / axle-pivot steering system)	122
	Milkrun – Gantry Carts TRP (Trolleys run on their own wheels)	124
	Milkrun – Shelf Carts TRR	125
	Milkrun – Platform Carts TRP	126
	Transport Carts TFW	127
	Transport Cabinets and Accessories TFS	128
	Other Products	129

MATERIAL IN FLOW

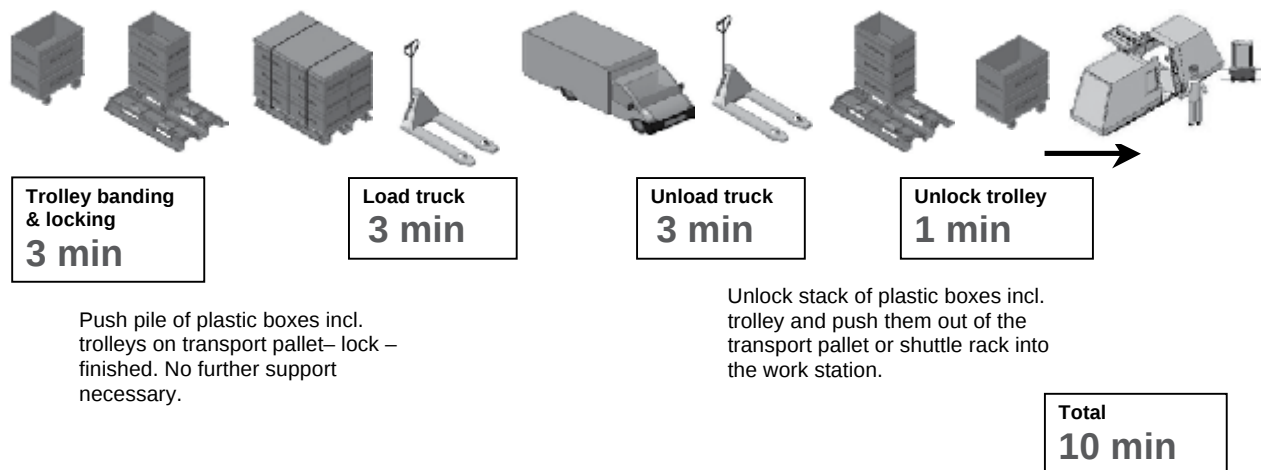
TRANSPORT LOGISTICS TRANSPORT PALLET & RACK

Economical view

Before



After

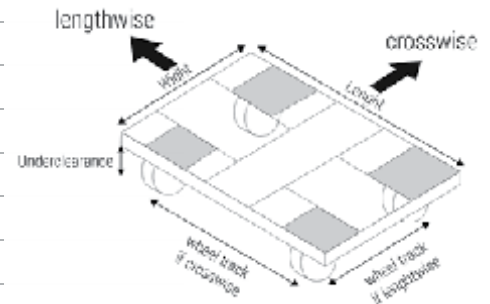


Profitability – Sample calculation

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:	distance between the forks and the brand	mm
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		

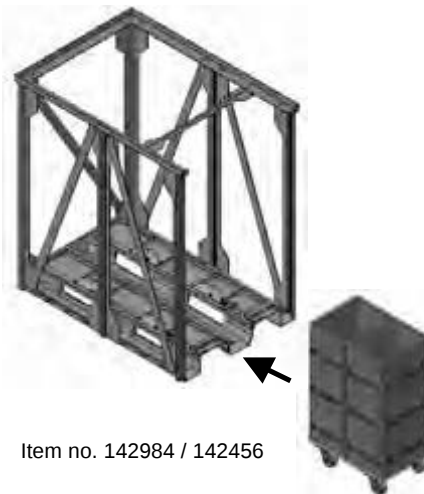


MATERIAL IN FLOW

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

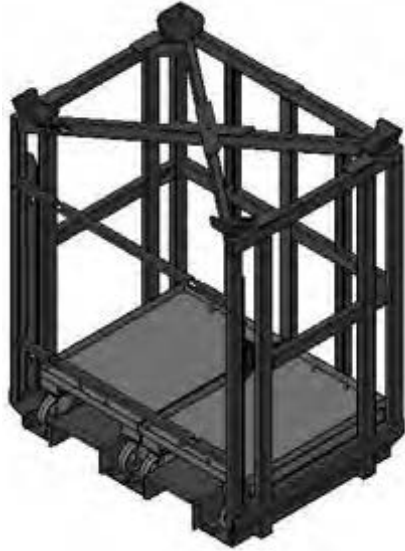
Various designs available (housing, colours, etc.)

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.

MATERIAL IN FLOW

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

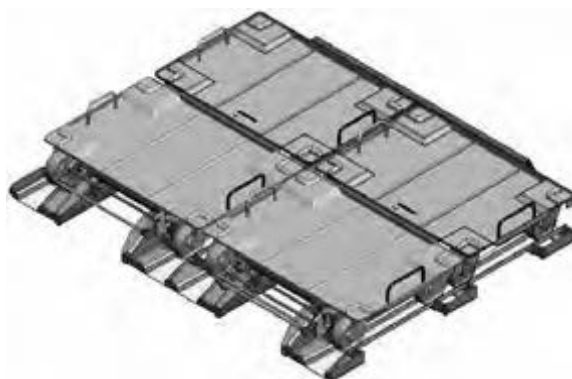
The trolley stacks are moved into the rack and the load is secured by a transportation lock

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.)



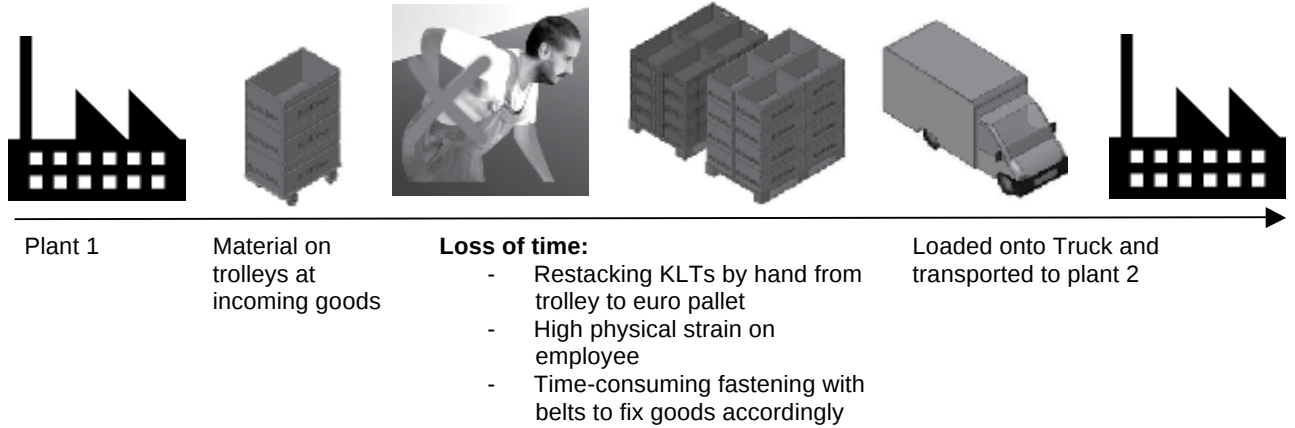
More information on indoor and outdoor transport see page 279

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

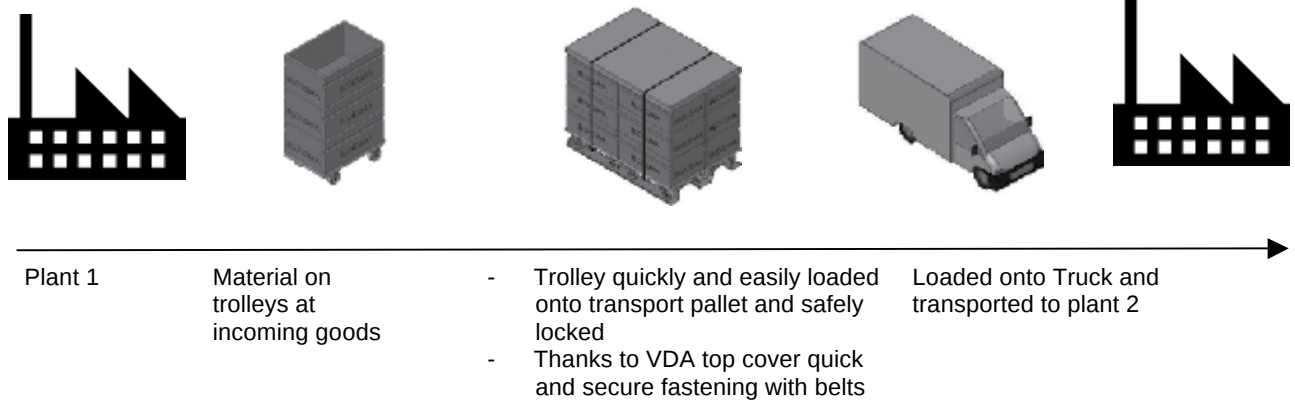
Other models / dimensions on request.

TRANSPORT LOGISTICS

Today:



Tomorrow:

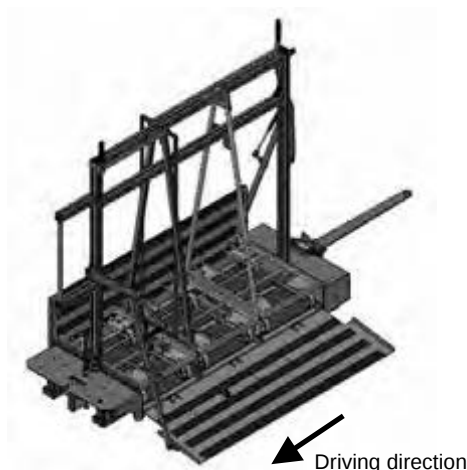


Economic perspective:

			
 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

MATERIAL IN FLOW

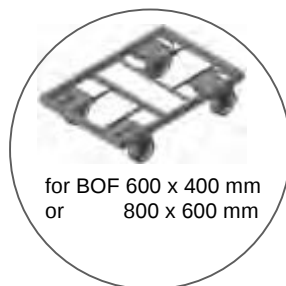
TRANSPORT LOGISTICS MILKRUN



Item no. 138632-3 Zell



Item no. 138632-3 Zell



for BOF 600 x 400 mm
or
800 x 600 mm



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 its routing.

Drawbars adapted to your tractor at extra charge

Smooth-running opening and closing of ramps

Loading from one or both sides possible

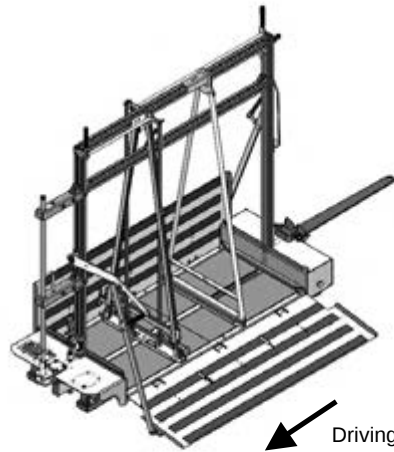
Designed for indoor transport only

Max. load capacity 750 kg

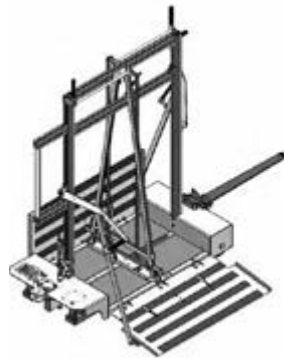
Item no.	Product to be transported	Features of wheels	Steering
138632-3 Zell	3 trolleys 600 x 400 mm or 1 trolley 800 x 600 mm and 1 trolley 600 x 400 mm loading and unloading from both sides	Ø 160 mm Polyurethan	trailing steering system
138632-4 Zell	4 trolleys 600 x 400 mm or 1 trolley 800 x 600 mm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

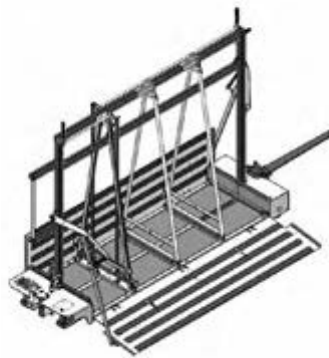
TRANSPORT LOGISTICS MILKRUN



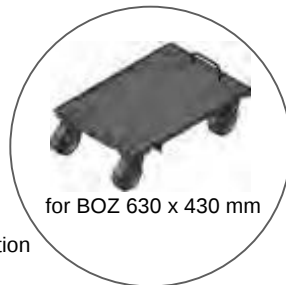
Item no. 201511-3 Zell



Item no. 201511-2 Zell



Item no. 201511-4 Zell



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

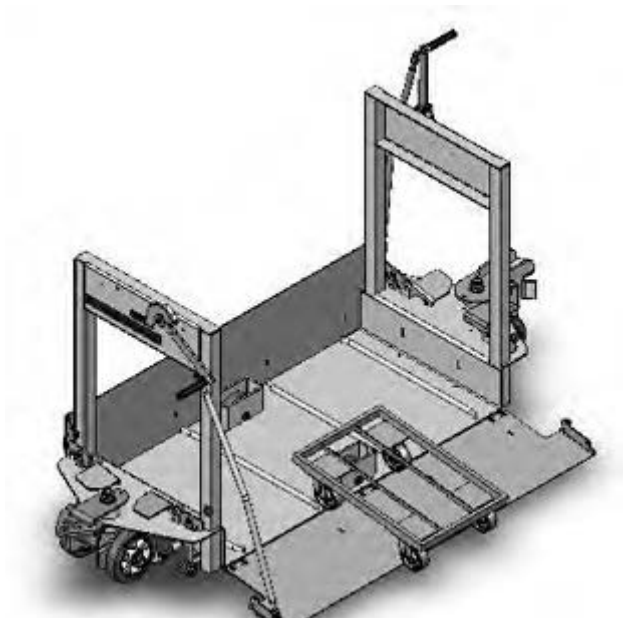
Max. load capacity 750 kg

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.

MATERIAL IN FLOW

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

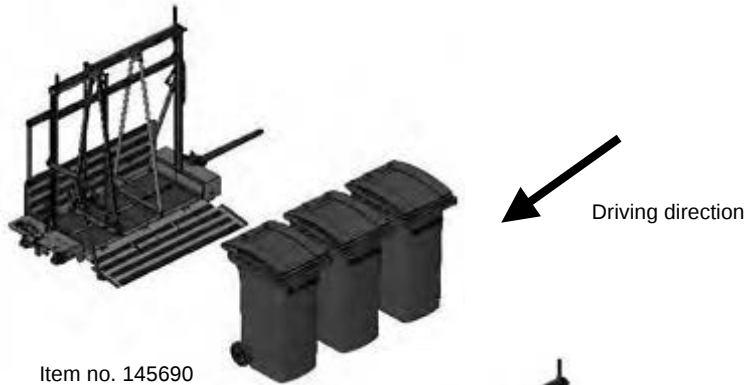
Designed for indoor transport only

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



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

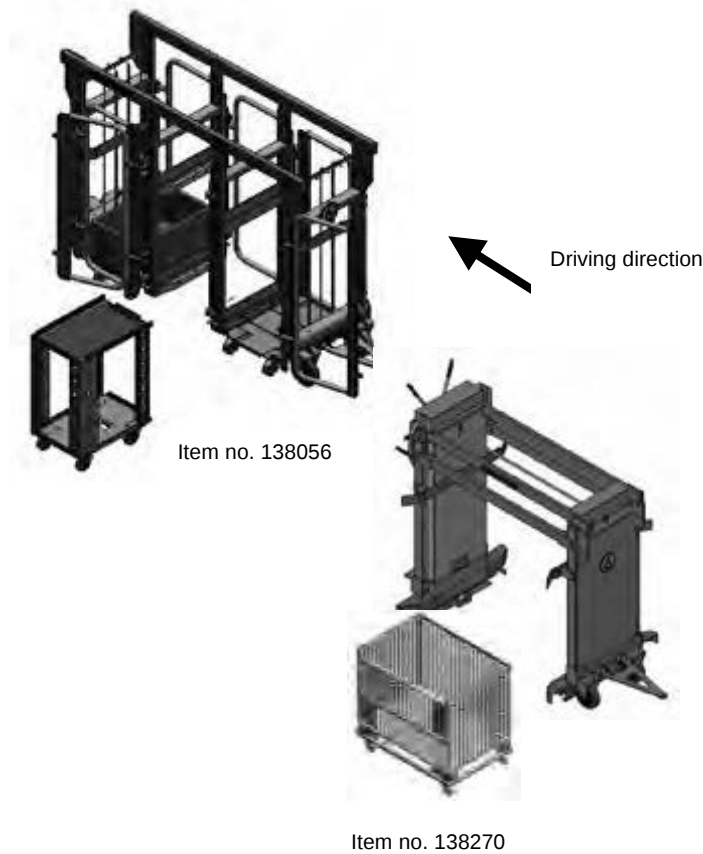
Max. load capacity 750 kg

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.

MATERIAL IN FLOW

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

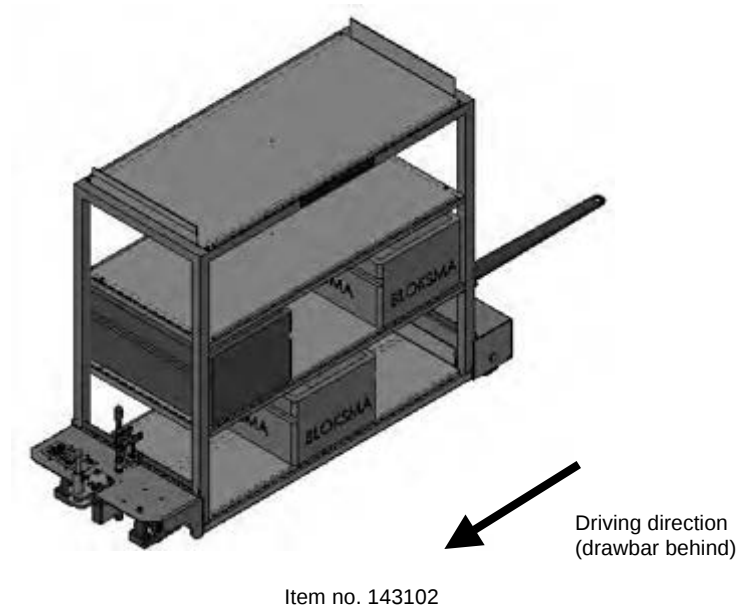
Item no.	Product to be transported	Features of wheels	Trolley with
138056	3 trolleys 600 x 400 mm up to 620 x 420 mm	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors
138270	1 trolley 1.265 x 865 mm	Ø 200 mm Polyurethan	2 swivel and 2 fixed castors

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



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)

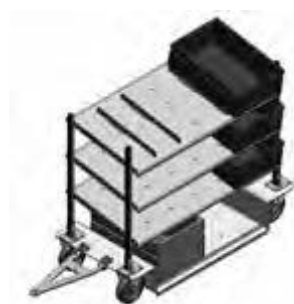
Max. load 350 kg

For indoor transport only

Various designs available (housing, colours, etc.)



Item no. 202673



Item no. 136240



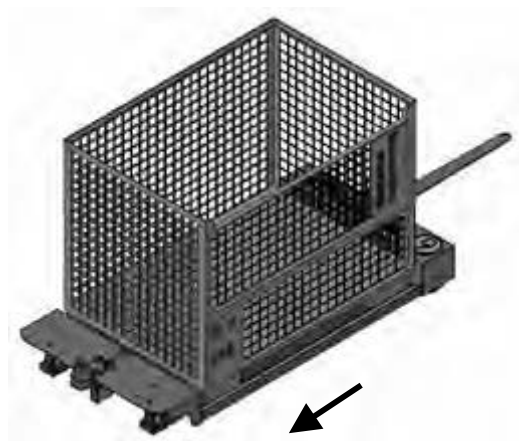
Item no. 202674

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.

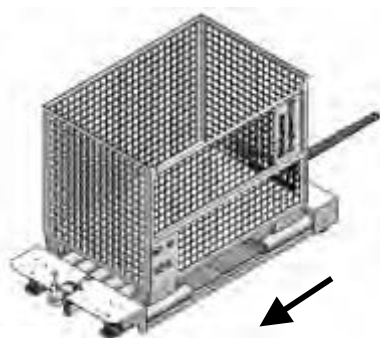
MATERIAL IN FLOW

TRANSPORT LOGISTICS MILKRUN



Driving direction

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

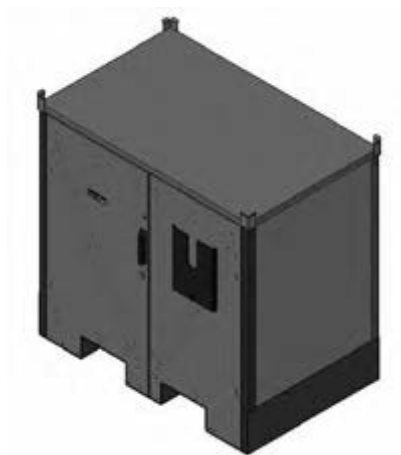


Item no. 139663

Other models / dimensions on request.

MATERIAL IN FLOW

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.

MATERIAL IN FLOW

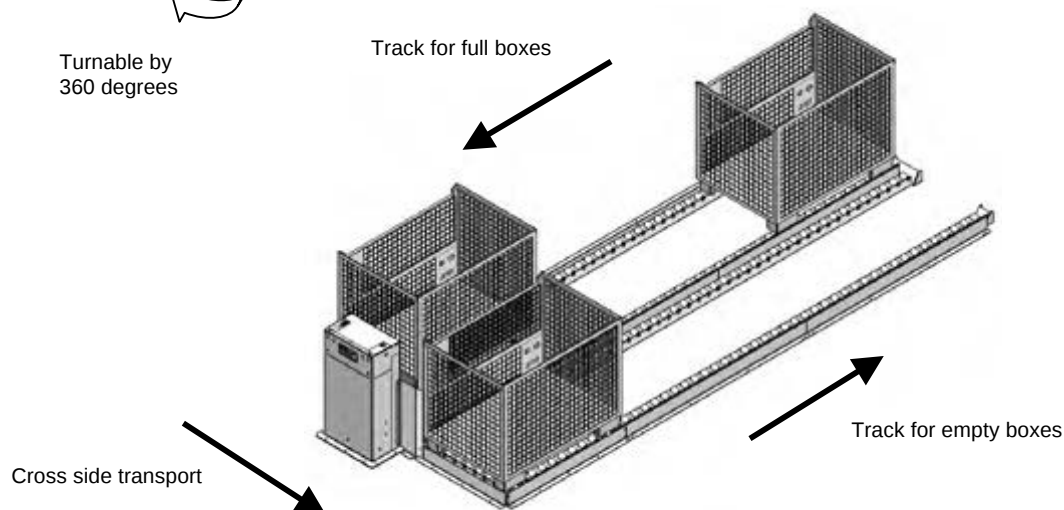
TRANSPORT LOGISTICS

Providing of Pallet Cages / Containers TRB



Item no. 143444

Turnable by
360 degrees



Item no. 202052

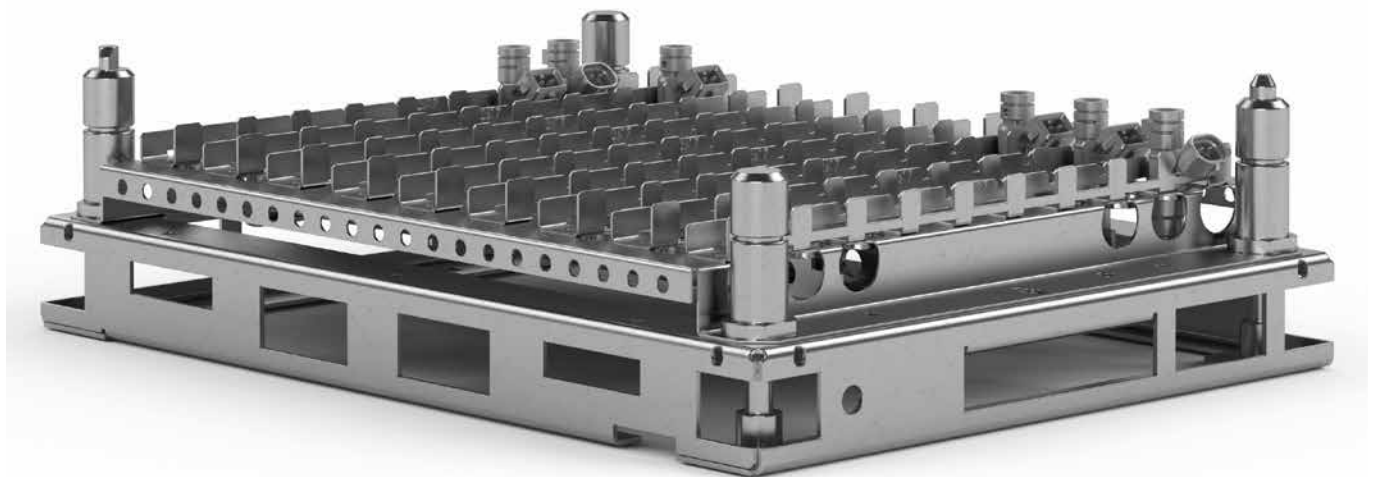
Item no.	Product to be transported	Remark
143444	pallet cage or pallet size 1.200 x 800 mm	turning device with roller track
202052	pallet cage or pallet size 1.200 x 800 mm	push-station with roller track

Other models / dimensions on request.

NOTES

MATERIAL IN FLOW

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:

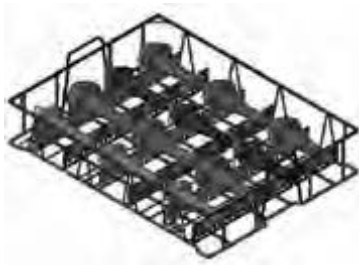
Depending on requirements of the parts to be transported you can choose among a wide range of materials – and of course in your required dimensions and with fix or variable partial removal.

WORKPIECE CARRIERS Product Overview



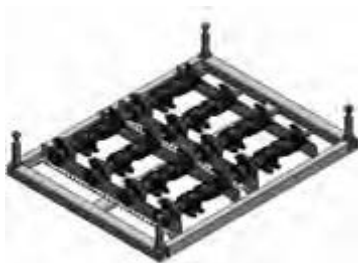
Workpiece carriers for light, small and high-precision components
WTB

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

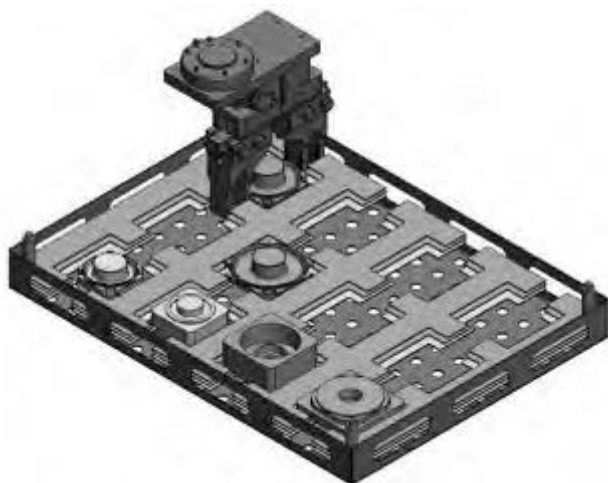


CHECKLIST WORKPIECE CARRIER (WPC)

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

MATERIAL IN FLOW

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



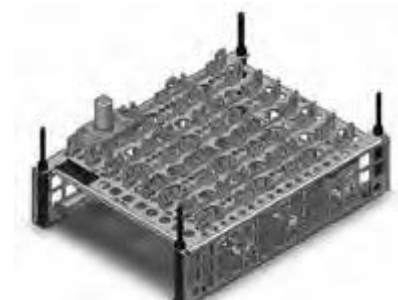
Item no. 132117



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.

MATERIAL IN FLOW

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

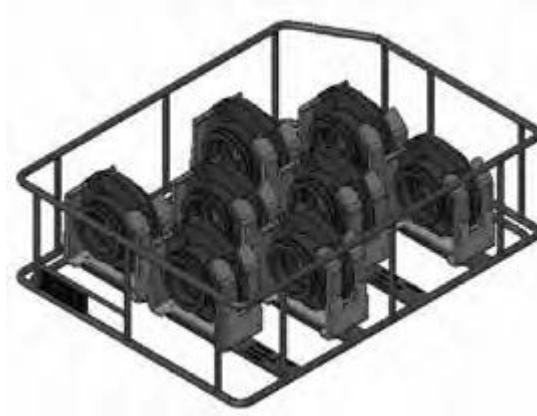


Item no. 131661

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

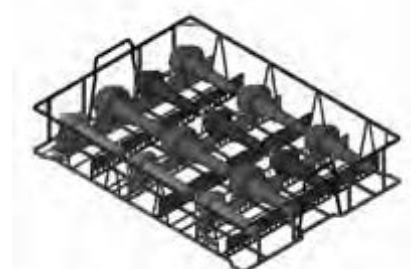
Made of steel, stainless steel, aluminium
or combinations



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.

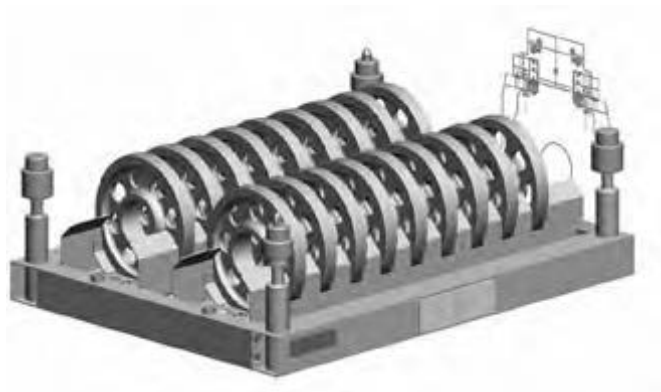
During the past 40 years, BLOKSMA has developed and produced more than 2.400 different kinds of workpiece carriers.

MATERIAL IN FLOW

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



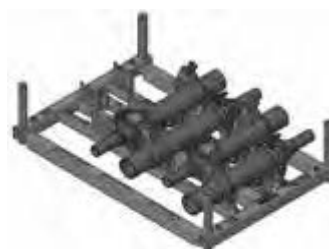
Item no. 131703



Item no. 142802



Item no. 141595



Item no. 128285

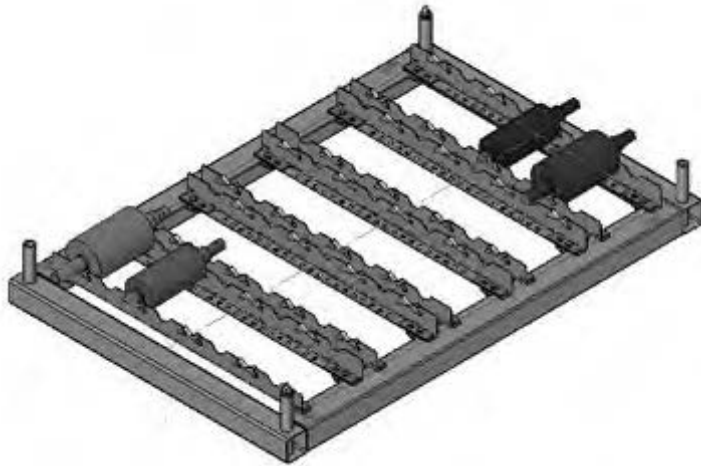
Due to the geometric shapes of the components / parts, the workpiece carriers are designed individually according to customer's requirements.

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



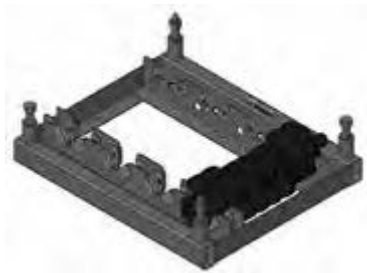
Item no. 131587

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



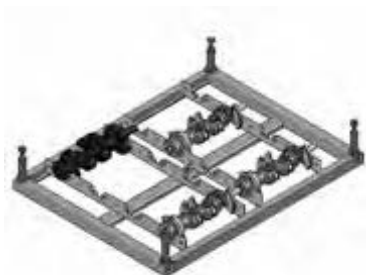
Item no. 131751



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.

MATERIAL IN FLOW

WORKPIECE CARRIERS

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



Suitable for automated production

Very high positioning accuracy

Good washing properties

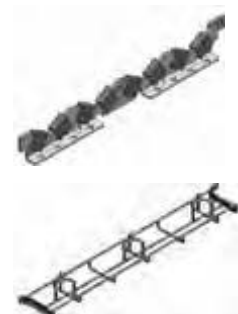
Pick-up elements (metal or plastic)
adapted to products to be carried

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

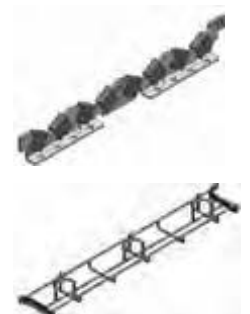
Made of steel, stainless steel, aluminium
or combinations

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



MATERIAL IN FLOW

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

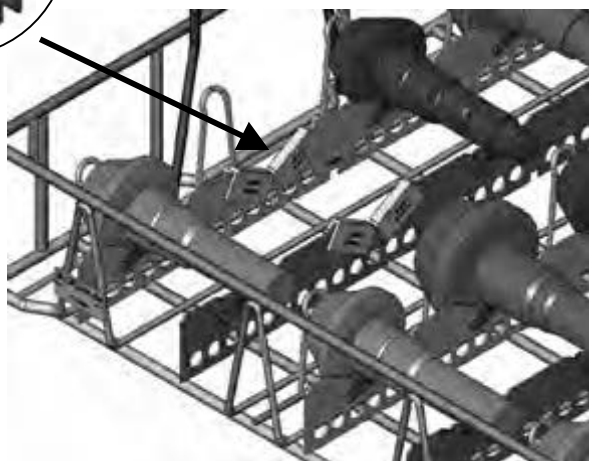
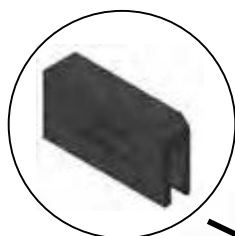
Item no.	WPC-size	Remarks
		Receiving profiles are customized



MATERIAL IN FLOW

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



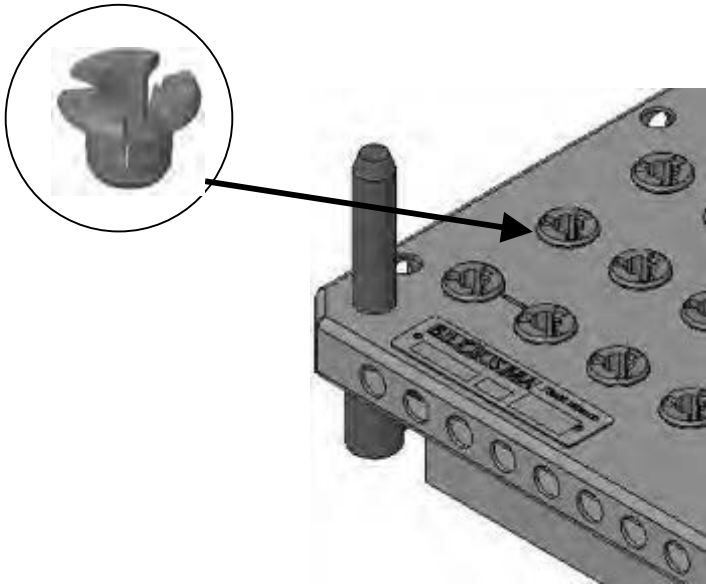
These products are also available in heat-resistant design.

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



WORKPIECE CARRIERS

Workpiece Carrier
Accessories II

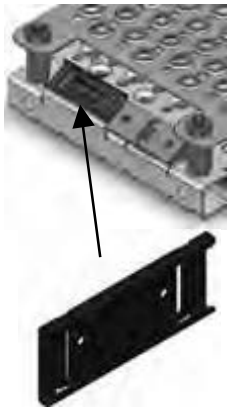


Delicate parts are picked up by receiving sleeves.
The receptacles are clipped.

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



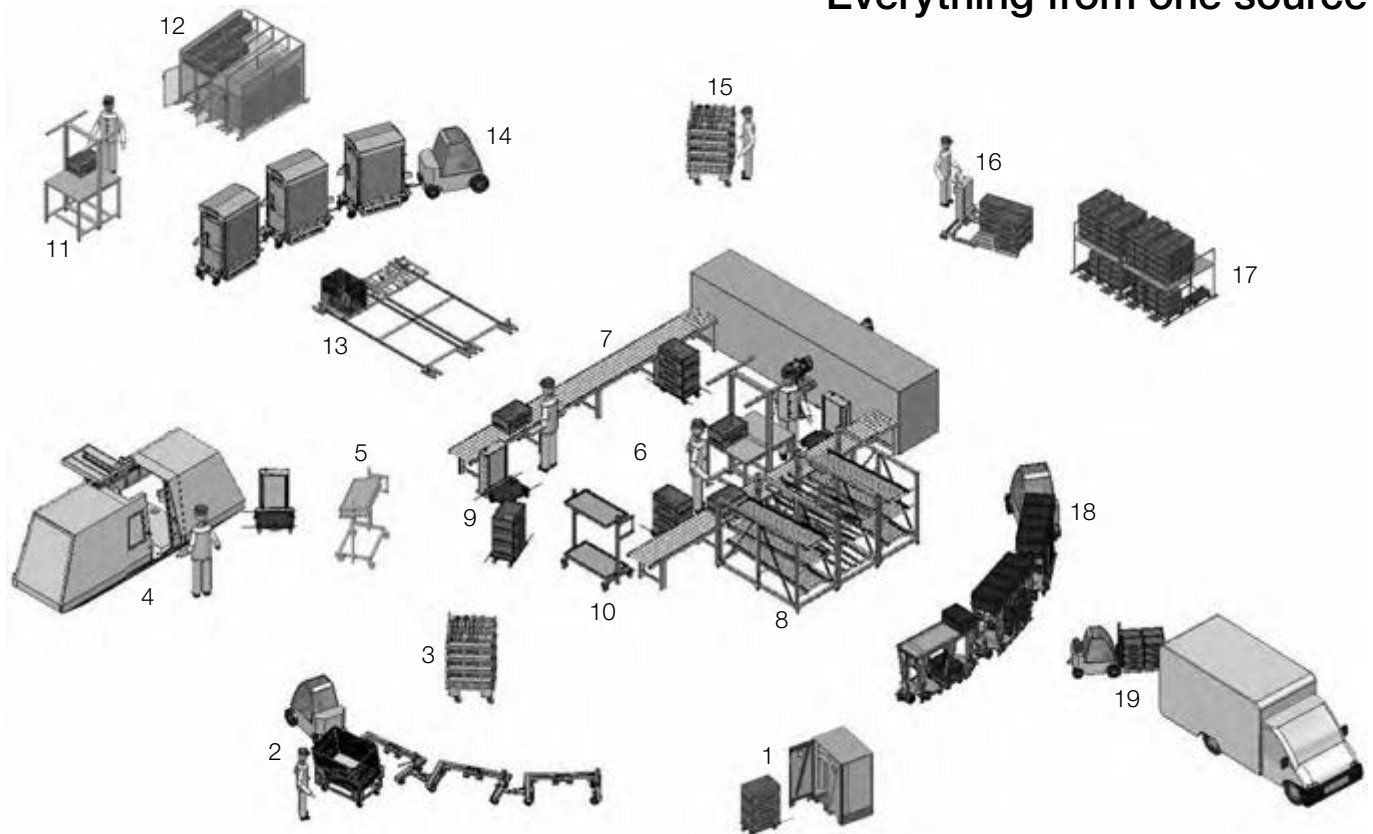
MATERIAL IN FLOW

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

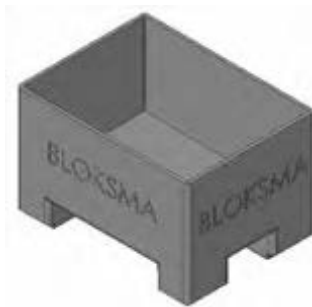
EVERYTHING FROM ONE SOURCE



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

MATERIAL IN FLOW

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



Trolley



Top tray



Handle



Transport pallet



Lifter, front loading



Lifter, side loading left



Lifter, side loading right



Transport Rack



Taxi Cart



Gantry Cart



Supermarket



Trolley parking

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



Supermarket



Trolley parking

MATERIAL IN FLOW

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

MATERIAL IN FLOW

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



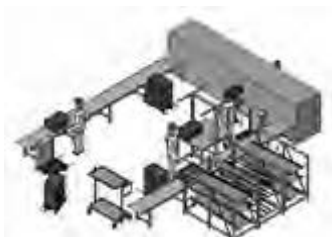
Rollracks – Material provision
MBR

157



Material provision trolley
MWA

158



Complete assembly lines
MLK

159

MATERIAL IN FLOW

FURTHER PRODUCTS

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. 139438



Item no. 138339



Item no. 137795

Other models on request.

Please ask for our checklist.

FURTHER PRODUCTS



Item no. 138813



Item no. 140556

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.



Item no. 138059

Other models on request.

Please ask for our checklist.

MATERIAL IN FLOW

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.

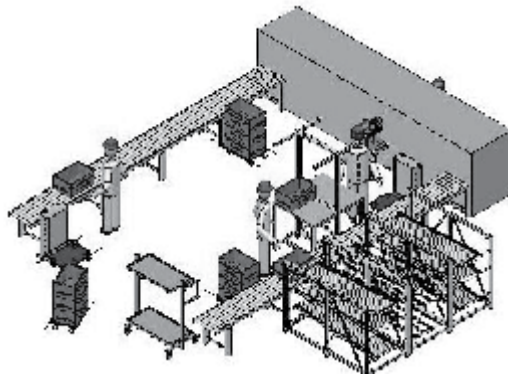
FURTHER PRODUCTS

Complete Assembly Lines

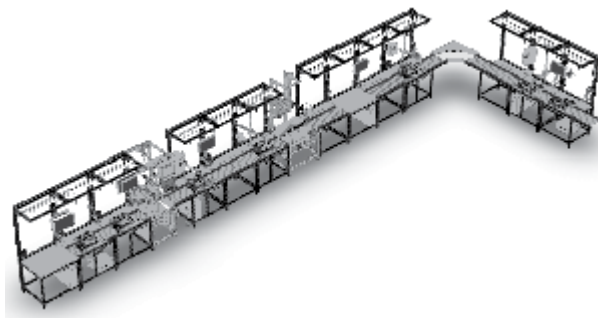
MLK

Adapted to your requirements and everything from one source

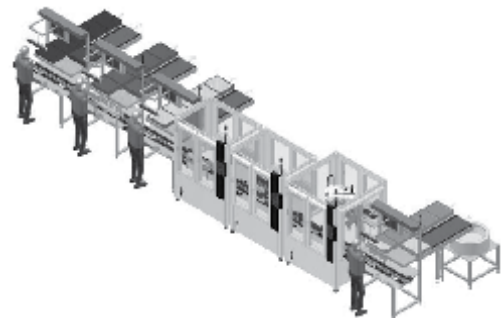
We will do the set-up – just let us know your task



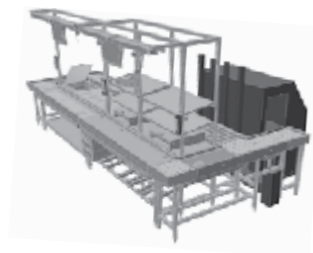
Item no. 138338



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



BLOKSMA

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