

# FIFO system



## FIFO Station

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## Park Station

- Park Station

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## Material Handling

- Dolly & Adaptor Pallet

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# FIFO system

## Kanban - Buffer



Information label  
DIN A3

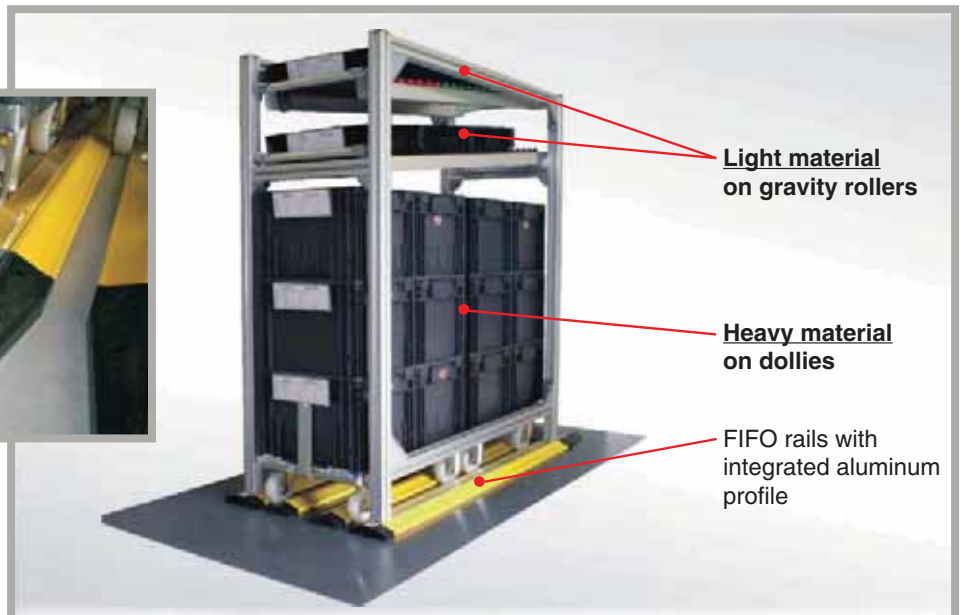
Aluminum  
profile

Containers on dolly

FIFO rail  
for dolly

LongLife FloorMarking

End cap for FIFO rail



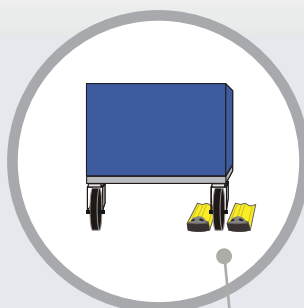
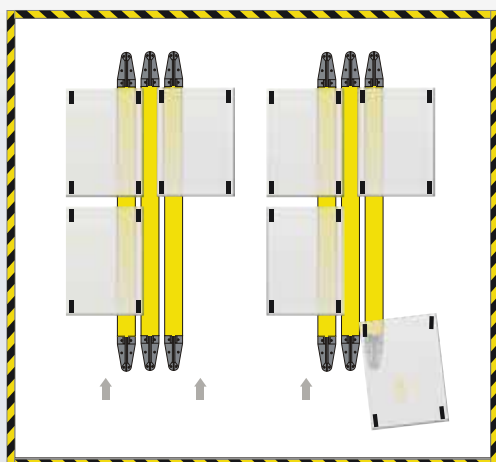
**Light material**  
on gravity rollers

**Heavy material**  
on dollys

FIFO rails with  
integrated aluminum  
profile

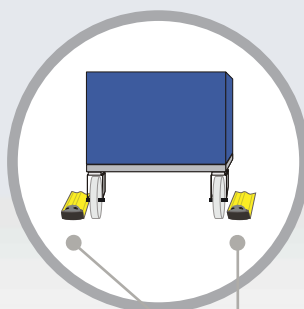
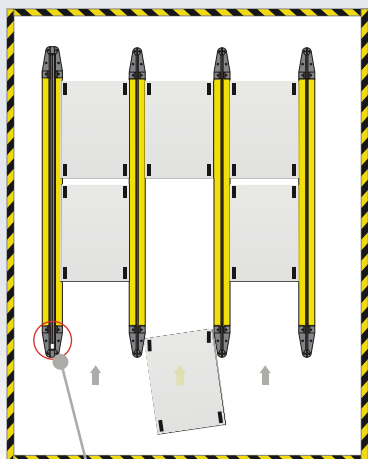
## Applications

Single rail guide, suitable for **rubber** wheels:

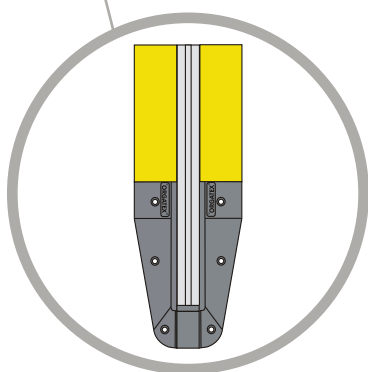


Single rail guide

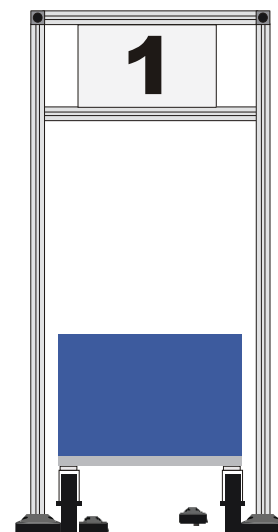
Double rail guide, suitable for **polyamid plastic** wheels:



Double rail guide



By using the double end caps, you can create a frame with aluminum profile for optimize the space above the dollies and make: gravity rollers for light components, protections, etc. ...



# FIFO system

## Applications pictures



## Application examples



Side "A" of the shelves:  
dollies are ready for use



Side "B": dollies are restored in the FIFO tracks



## Assembly and installation

### 1 Connect the rails and end caps



Connect the rails to the end caps by using the adapter.

### 1 Connect the rails, the profile and the double end caps



Connect the rails and the profile to the double end caps by using the adapter.



Remove the protection film of self-adhesive tape from back side.



Place the rail in desired position and press firmly.



Set up dolly near the rail.



Position the second rail and fix.



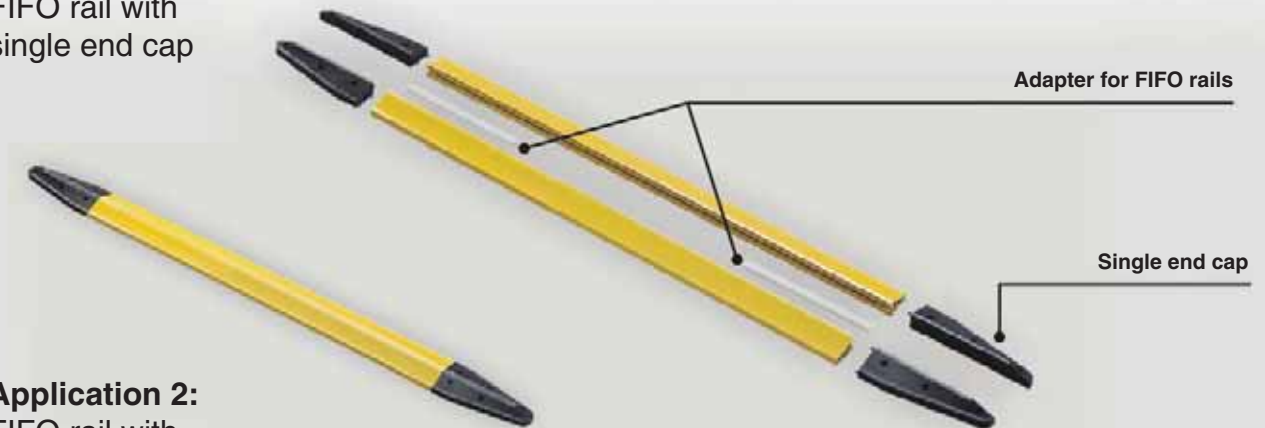
Fix permanently end caps to the floor by using plugs.

# FIFO system

## Application examples

### Application 1:

FIFO rail with  
single end cap



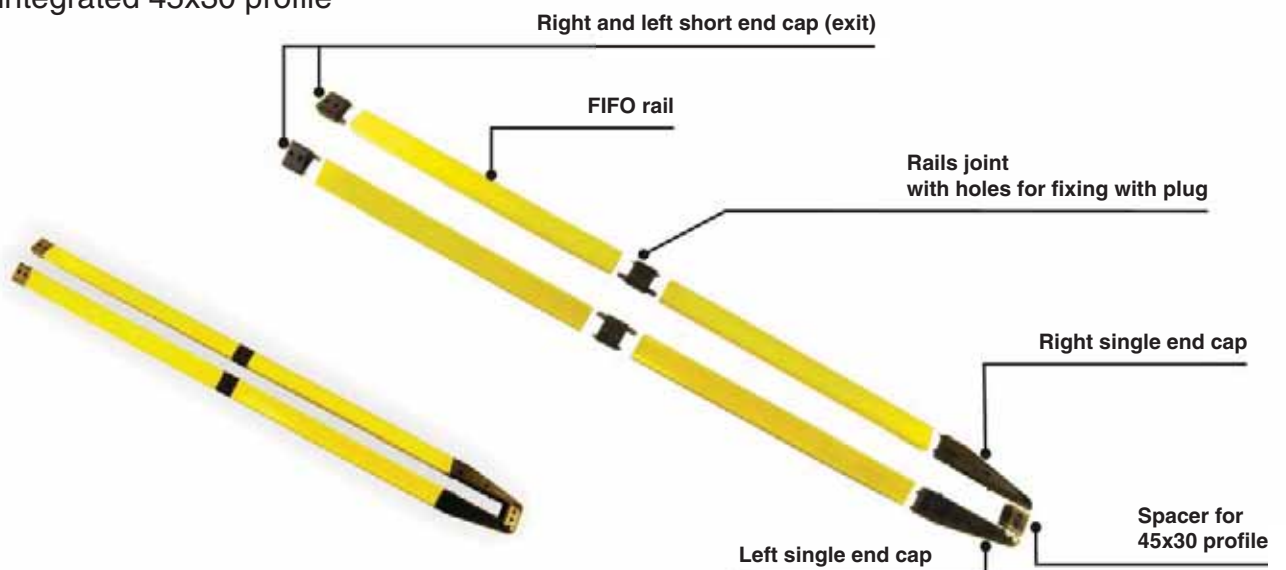
### Application 2:

FIFO rail with  
integrated 30x30 profile  
FIFO rail with  
double end cap



### Application 3:

FIFO rail with  
integrated 45x30 profile



## FIFO Station

<b>Left and right single end cap</b> 	Order-no.	Description	Pack	
	FIFO-EK-2L	Left end cap	1	
	FIFO-EK-2R	Right end cap	1	
<ul style="list-style-type: none"> <li>• Run-in-aid for FIFO rails</li> <li>• with 3 holes for fixing</li> </ul>				
<b>Double end cap</b> 	Order-no.	Description	Pack	
	FIFO-EK-1	Double end cap	1	
<ul style="list-style-type: none"> <li>• Run-in-aid for FIFO rails with profile integration (30 x 30)</li> <li>• with 6 holes for fixing</li> </ul>				
<b>Left and right short end cap</b> 	Order-no.	Description	Size (W x D x H) mm	Pack
	FIFO-PAK-L	Left short end cap	45 x 50 x 30	10
	FIFO-PAK-R	Right short end cap	45 x 50 x 30	10
<ul style="list-style-type: none"> <li>• with holes for fixing</li> <li>• short end cap</li> </ul>				
<b>Rails joint</b> 	Order-no.	Description	Size (W x D x H) mm	Pack
	FIFO-PV	Rails joint	45 x 50 x 30	10
<ul style="list-style-type: none"> <li>• with holes for fixing</li> <li>• for rails joint</li> </ul>				
<b>Spacer for 45x30 profile</b> 	Order-no.	Description	Size (W x D x H) mm	Pack
	FIFO-EKV	Spacer for 45x30 profile	45 x 50 x 30	10
<ul style="list-style-type: none"> <li>• with holes for fixing</li> <li>• for 45x30 profile use</li> </ul>				
<b>Screw for FIFO Station fixing</b>	Order-no.	Description		
	FIFO-SCHR-K	Screw for FIFO Station fixing		
<b>Adapter for FIFO rails</b> 	Order-no.	Description	Lenght (mm)	Pack
	FIFO-ADAPTER	Adapter	250	5
<ul style="list-style-type: none"> <li>• adapter to connect FIFO rails</li> </ul>				
<b>FIFO rail</b> 	Order-no.	Description	Lenght (mm)	Pack
	FIFO-BP-1200	FIFO rail	1200	1
	FIFO-BP-1800	FIFO rail	1800	1
	FIFO-BP-2400	FIFO rail	2400	1
	FIFO-BP-3000	FIFO rail	3000	1

# FIFO system

Park Station



Combination of extruded aluminum and side plastic

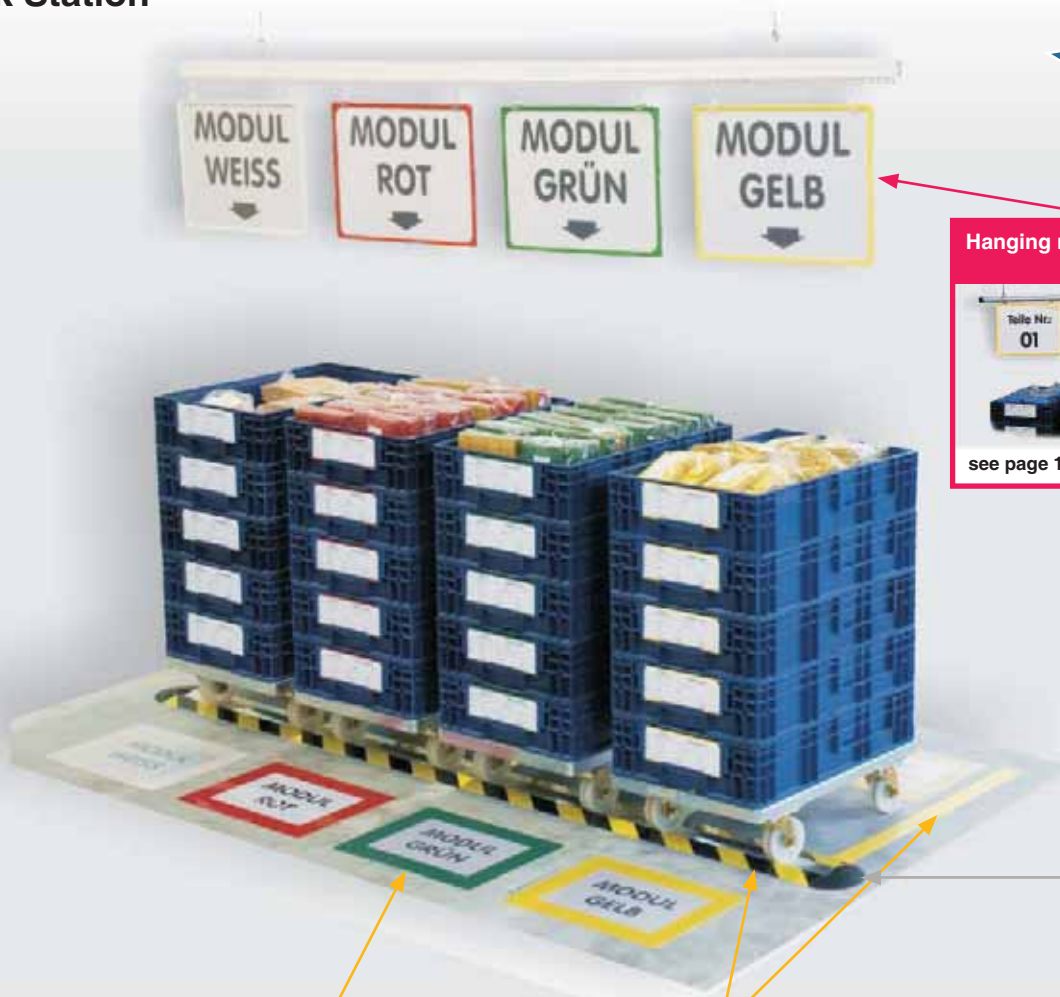


Secure dolly in proper position



In position

# Park Station



**Hanging message frames**

see page 164

Park Station

**LongLife - Protective screen**

see page 89

**LongLife FloorMarking, self-adhesive**

see page 80

Option: 50 mm wide FloorMarking can be applied to Park Station rails for identify and protect



Set the dolly in position



With a light push the dolly is positioned on the Park Station

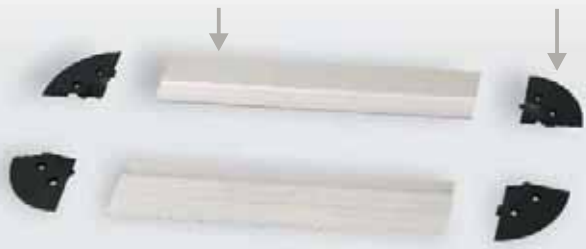
# FIFO system

## Park Station



Aluminum Park Station rail,  
self-adhesive

Park Station  
end cap



Components



Complete Park Station



Standard solution  
for wheels with a  
diameter up to 100  
mm



Components



Complete Park Station

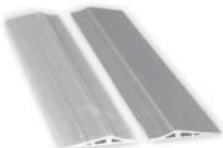
Aluminum Park Station  
spacer for wheels with  
a diameter > 100 mm





Solution for  
wheels with a  
diameter > 100mm



## Park Station

Aluminum Park Station rail, self-adhesive	Order-no.	Description	Length (mm)
 <span style="color: blue; font-weight: bold;">New</span>	<b>PAB-400</b>	Aluminum Park Station rail	400
	<b>PAB-800</b>	Aluminum Park Station rail	800
	<b>PAB-1200</b>	Aluminum Park Station rail	1200
	<b>PAB-2400</b>	Aluminum Park Station rail	2400
			<b>Pack = 2 pcs.</b>
<ul style="list-style-type: none"> <li>• Park Station for dolly with wheels with a diameter up to 100 mm.</li> </ul>			

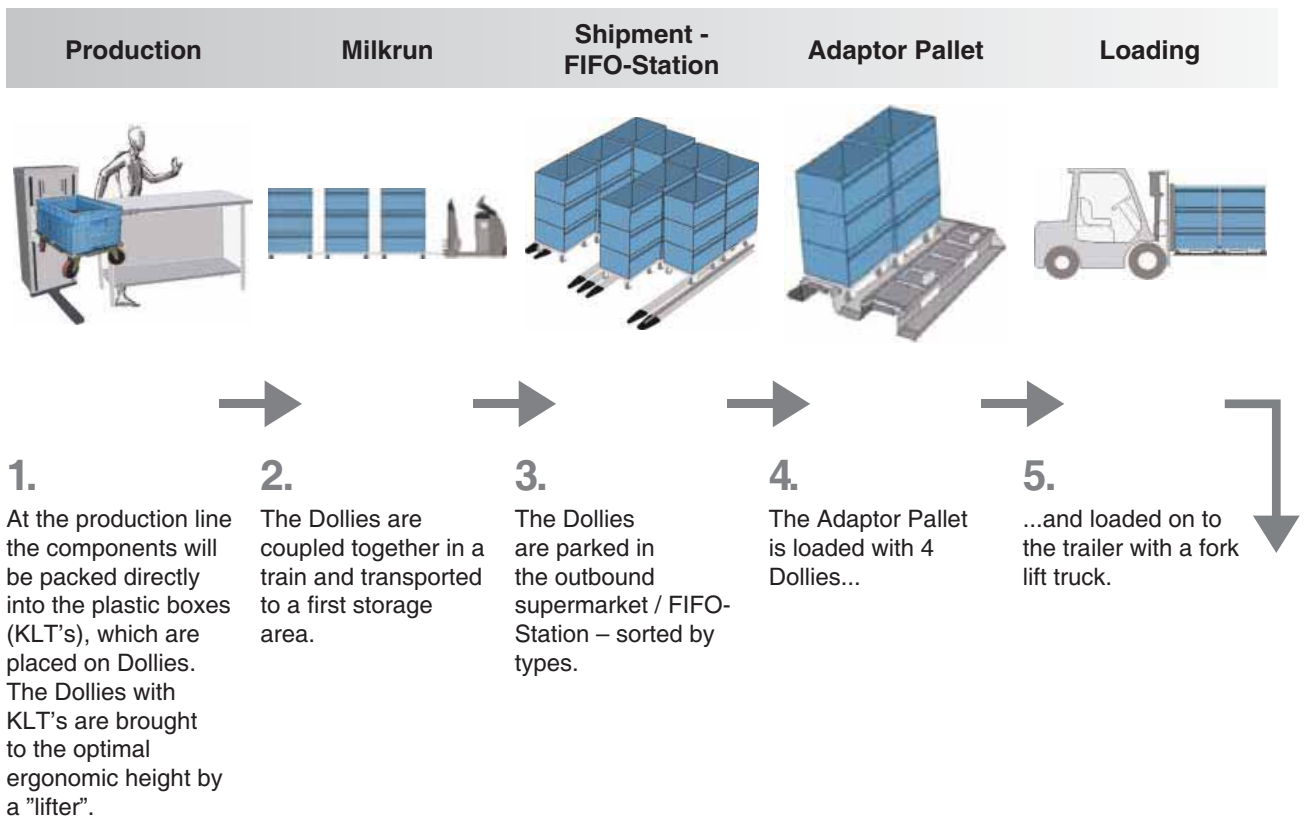
Aluminum Park Station spacer, self-adhesive	Order-no.	Description	Width (mm)
 <span style="color: blue; font-weight: bold;">New</span>	<b>PAB-ZW2</b>	Aluminum Park Station spacer	20
	-	Aluminum Park Station spacer	30
	-	Aluminum Park Station spacer	40
			<b>Pack = 2 pcs.</b>
<ul style="list-style-type: none"> <li>• Park Station for dolly with wheels with a diameter &gt; 100 mm.</li> </ul>			

Park Station end caps	Order-no.	Description
 <span style="color: blue; font-weight: bold;">New</span>	<b>PAB-EK1</b>	Park Station end caps

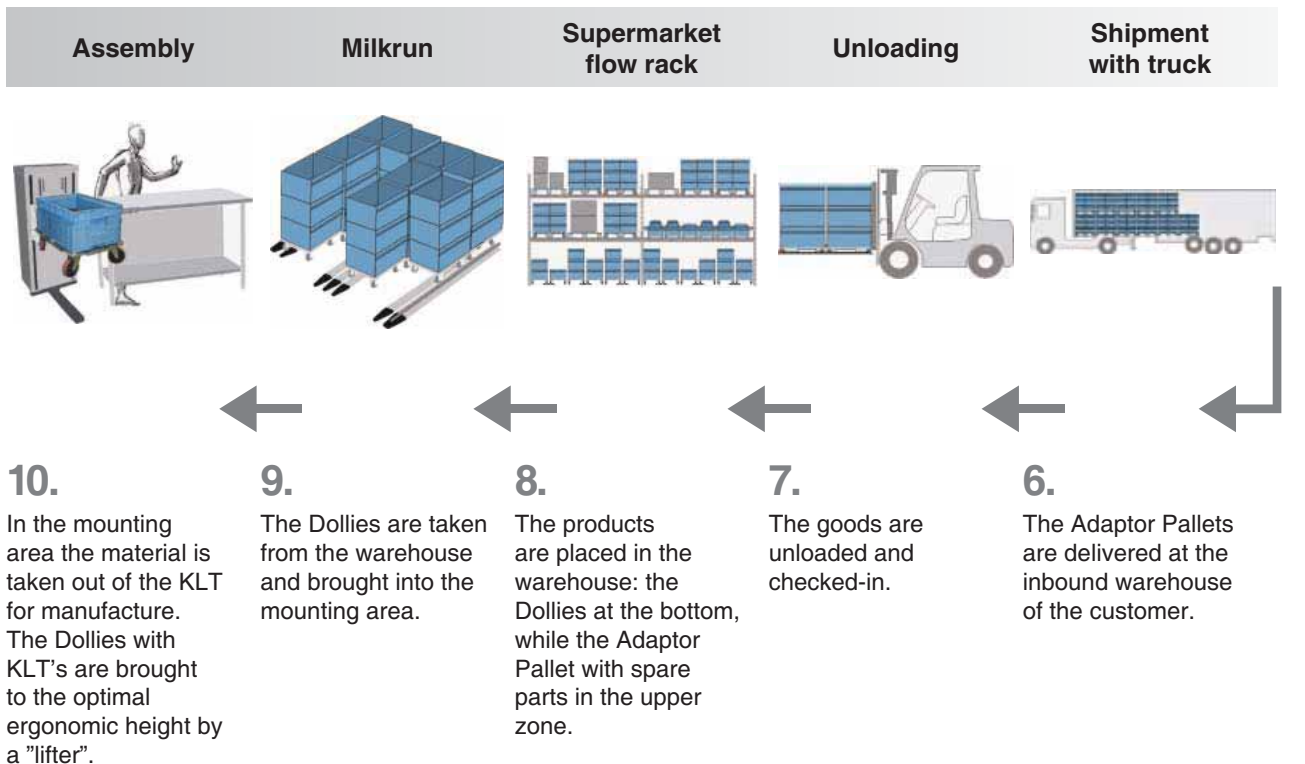
Screw for Park Station fixing	Order-no.	Description
	<b>FIFO-SCHR-K</b>	Screw for Park Station fixing

## Material Handling - Material flow

### The process at the supplier



### The process at the customer



**Material Handling - Dolly & Adaptor Pallet**



**Functioning**



**Disable the brake**



**Enable the brake**



**Dollies stacking**


*Electric lift for containers*



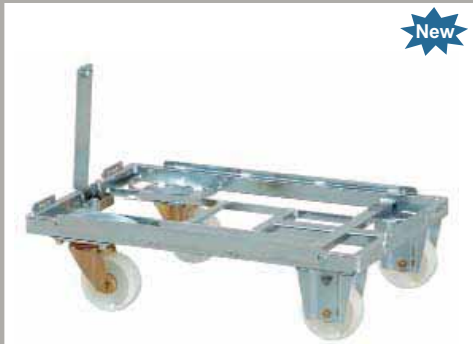
Components always at ergonomic height

**TARGET:**  
one manual handling  
of components and boxes  
from production to final use.


## Material Handling - Dolly & Adaptor Pallet

Dolly - Type I		Order-no.	Description	Ext. dim. (mm)	Payload (kg)	Wheels
	New	60.0002.0001	Dolly - Type I	600 x 400	250	polyamid
		60.0002.0002	Dolly - Type I	600 x 400	250	rubber

- Wheels: 2 fixed- and 2 swivelling wheels, in polyamid white plastic or rubber
- Can be stacked to a height of 18 units (~2,3 m)
- Compatible with Adaptor Pallet
- Compatible with "VDA KLT": 400x600, 400x300, 300x200 mm containers
- The Dolly-construction is patented by K. Hartwall A/S

Dolly - Type VII		Order-no.	Description	Ext. dim. (mm)	Payload (kg)	Wheels
	New	60.0002.0021	Dolly - Type VII	604 x 404	250	polyamid
		60.0002.0022	Dolly - Type VII	604 x 404	250	rubber



- Wheels: 2 fixed- and 2 swivelling wheels, in polyamid white plastic or rubber
- Jolly connector for the transport in a "milkrun" train
- Can be stacked to a height of 18 units (~2,3 m)
- Compatible with Adaptor Pallet
- Compatible with "VDA KLT": 400x600, 400x300, 300x200 mm containers
- The Dolly-construction is patented by K. Hartwall A/S



Dolly - Type 800 x 600		Order-no.	Description	Ext. dim. (mm)	Payload (kg)	Wheels
	New	60.0002.0051	Dolly - Type 800 x 600	800 x 600	500	polyamid
		60.0002.0052	Dolly - Type 800 x 600	800 x 600	500	rubber



- Wheels: 2 fixed- and 3 swivelling wheels, in polyamid white plastic or rubber
- Jolly connector for the transport in a "milkrun" train
- Very safe and simple stacking
- Compatible with Adaptor Pallet
- Compatible with "VDA KLT": 400x600, 400x300, 300x200 mm containers
- The Dolly-construction is patented by K. Hartwall A/S



## Material Handling - Dolly & Adaptor Pallet

Adaptor Pallet - Type III		Order-no.	Description	Ext. dim. (mm)	Payload (kg)
		60.0002.0000	Adaptor Pallet - Type III	1200 x 800 x 120	1000
		<ul style="list-style-type: none"> <li>• With integrated brake system to fix the dollies individually</li> <li>• Stackability: 3 units in a stack with a max. load of 1000 kg per unit</li> <li>• Compatible with K. Hartwall Dollies with polyamid wheels</li> <li>• Manipulation: shortside: fork lift, pallet truck/stacker and hand pallet truck; longside: fork lift</li> <li>• Electroplated material</li> </ul>			

Dolly Pallet		Order-no.	Description	Ext. dim. (mm)	Payload (kg)	Wheels
		-	Dolly Pallet	-	1000	polyamid
		-	Dolly Pallet	-	1000	rubber
<ul style="list-style-type: none"> <li>• Internal dimensions: Euro Pallet compatible</li> <li>• Jolly connector for the transport in a "milkrun" train</li> <li>• Handle for manual handling</li> <li>• Wheels: 2 fixed- and 4 swivelling wheels</li> <li>• Payload: 1000 Kg per Dolly; 4 x 1000 Kg in a train</li> <li>• <b>Rotation: 360°</b></li> <li>• <b>For further information visit our website: <a href="http://www.LeanProducts.eu">www.LeanProducts.eu</a></b></li> </ul>						

Dolly Taxi		Order-no.	Description	Ext. dim. (mm)	Payload (kg)	Wheels
		60.0002.0101	Dolly Taxi	1000x720x1560	500	polyamid
		60.0002.0102	Dolly Taxi	1000x720x1560	500	rubber
<ul style="list-style-type: none"> <li>• Internal dimensions: 950 x 665 mm</li> <li>• Jolly connector for the transport in a "milkrun" train</li> <li>• 2 trays included: 935 x 685 mm</li> <li>• Wheels: 2 fixed- and 2 swivelling wheels</li> <li>• Types of wheels: Ø 125 mm polyamid; Ø 125 mm rubber</li> </ul>						

