Product Portfolio







LEAN LOGISTICS

The backbone of Lean manufacturing

Lean Dolly Type I







SGS





TECHNICAL SPECIFICATION	
External dimensions	600 x 400 x 162 mm
Tare weight with CPD wheels, no corners	6,5 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 2 swivel
Wheel material	CPD, rubber or PU
Working capacity - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	250 kg 250 kg 250 kg
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1950 mm)
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID and Tracking compatibility
- Corner supports
- ESD compatibility

ALSO AVAILABLE IN ISO- AND US-DIMENSIONS

- 600 x 500 mm
- 24" x 15"
- 24" x 22.5"

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 400 mm
- 2 stacks of 300 x 400 mm
- 4 stacks of 300 x 200 mm

- Ergonomic handle
- Strapping device
- Oil dripping pan

Lean Dolly Type II













TECHNICAL SPECIFICATION	
External dimensions	600 x 400 x 162 mm
Tare weight with CPD wheels, no corners	7,0 kg
Wheel size	100 mm wheels
Wheel configuration	4 swivel
Wheel material	CPD, rubber or PU
Working capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	250 kg 250 kg 250 kg
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1950 mm)
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID and Tracking compatibility
- Corner supports
- ESD compatibility

ALSO AVAILABLE IN ISO- AND US-DIMENSIONS

- 600 x 500 mm
- 24" x 15"
- 24" x 22.5"

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 400 mm
- 2 stacks of 300 x 400 mm
- 4 stacks of 300 x 200 mm

- Ergonomic handle
- Strapping device
- Oil dripping pan

Lean Dolly Type III







TECHNICAL SPECIFICATION	
External dimensions	400 x 400 x 178,5 mm
Tare weight with CPD wheels	6 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 2 swivel or 4 swivel
Wheel material	CPD, rubber or PU
Working capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	160 kg 160 kg 160 kg
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 8 units (1200 mm)
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- ESD compatibility

DESIGNED TO CARRY SLC'S AND TRAYS

• 1 stack of 400 x 400 mm

- Ergonomic handle
- Strapping device

Lean Dolly Type V



HADP10045)









TECHNICAL SPECIFICATION	
External dimensions	604 x 404 x 157 mm
Tare weight with CPD wheels, with corners	7,5 kg
Wheel size	100 mm wheels
Wheel configuration	4 swivel
Wheel material	CPD, rubber or PU
Working capacity: - CPD – standard and ESD - Rubber– standard and ESD - PU – standard and ESD	250 kg 250 kg 250 kg
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1950 mm)
Compatibility with	- Next Generation (HADP10030, HADP10032,

Compatibility with Lean Adaptor Pallets

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- ESD compatibility

ALSO AVAILABLE IN ISO- AND US-DIMENSIONS

- 600 x 500 mm
- 24" x 15"
- 24" x 22.5"

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 400 mm
- 2 stacks of 300 x 400 mm
- 4 stacks of 300 x 200 mm

- Ergonomic handle
- Strapping device
- Oil dripping pan

Lean Dolly Type VII



TECHNICAL SPECIFICATION	
External dimensions	604 x 404 x 162 (382) mm
Tare weight with CPD wheels, no corners	7 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 2 swivel
Wheel material	CPD, rubber or PU
Maximum Load Capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	250 kg 250 kg 250 kg
Working capacity in tugger train Max amount per tugger train	1000 kg 7–8 units
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1955 mm)
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)
Recommended max speed	6 km/h

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- Corner supports
- Stealth version sliding tow system
- ESD compatibility

ALSO AVAILABLE IN ISO AND US-DIMENSIONS

• 600 x 500 mm, 24" x 15", 24" x 22.5"

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 400 mm
- 2 stacks of 300 x 400 mm
- 4 stacks of 300 x 200 mm

- Ergonomic handle
- Strapping device
- Oil dripping pan

Lean Dolly Type VIIC with Elevated Deck



EURO

TECHNICAL SPECIFICATION

External dimensions	612 x 404 x 683 mm
Tare weight with CPD wheels, no corners	18 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 2 swivel
Wheel material	CPD, rubber or PU
Maximum Load Capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	70 kg 70 kg 70 kg
Working capacity in tugger train Max amount per tugger train	1000 kg 7–8 units
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 3 units (1955 mm)
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)
Recommended max speed	4 km/h

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- ESD compatibility

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 400 mm
- 2 stacks of 300 x 400 mm
- 4 stacks of 300 x 200 mm

- Ergonomic handle
- Oil dripping pan

Lean Dolly 600 x 800 mm



TECHNICAL SPECIFICATION	
External dimensions	600 x 806 x 158 (495) mm
Tare weight with CPD wheels	12 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 3 swivel or 5 swivel
Wheel material	CPD, rubber or PU
Maximum Load Capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	500 kg 500 kg 500 kg
Working capacity in tugger train Max amount per tugger train	1600 kg 5–6 units
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1955 mm) with towing arm 2,3 m
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)
Recommended max speed	6 km/h

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- Corner supports
- Draw bar
- ESD compatibility

ALSO AVAILABLE IN ISO-DIMENSIONS

• 600 x 1000 mm

DESIGNED TO CARRY SLC'S AND TRAYS

- 1 stack of 600 x 800 mm
- 2 stack of 600 x 400 mm
- 4 stacks of 300 x 400 mm
- pallets, foldable cages and stillages

- Strapping device
- Multipurpose plywood deck

Lean Dolly 1200 x 800 mm





TECHNICAL SPECIFICATION	
External dimensions	1212 x 800 x 162 (502) mm
Tare weight with CPD wheels	19 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed & 4-5 swivel
Wheel material	CPD, rubber or PU
Maximum Load Capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	4 swivel 300 kg5 swivel 500 kg4 swivel 300 kg5 swivel 500 kg4 swivel 300 kg5 swivel 500 kg
Working capacity in tugger train Max amount per tugger train	1600 kg 5–6 units
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1955 mm) with towing arm 2,3 m
Compatibility with Lean Adaptor Pallets	- Next Generation (HADP10030, HADP10032, HADP10045)

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- Corner supports
- Draw bar
- ESD compatibility

DESIGNED TO CARRY SLC'S AND TRAYS

- 3 stacks of 800 x 400 mm
- 4 stack of 600 x 400 mm
- 8 stacks of 300 x 400 mm
- pallets, foldable cages and stillages

ACCESSORIES

6 km/h

- Strapping device
- Multipurpose plywood deck

Lean Dolly 800 x 600 mm





TECHNICAL SPECIFICATION	
External dimensions	800 x 600 x 162 (499) mm
Tare weight with CPD wheels	10,5 kg
Wheel size	100 mm wheels
Wheel configuration	2 fixed and 2 swivel
Wheel material	CPD, rubber or PU
Maximum Load Capacity: - CPD – standard and ESD - Rubber – standard and ESD - PU – standard and ESD	500 kg 500 kg 500 kg
Working capacity in tugger train Max amount per tugger train	1600 kg 5–6 units
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking	up to 15 units (1955 mm) with towing arm 2,3 m
Recommended max speed	6 km/h

OPTIONS

- Total brake on 1 or 2 swivel wheels
- RFID & Tracking compatibility
- Corner supports
- Draw bar
- ESD compatibility

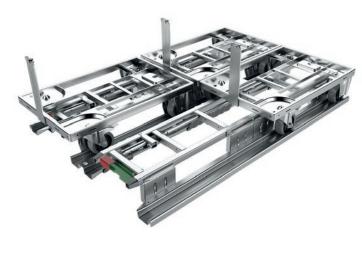
DESIGNED TO CARRY SLC'S AND TRAYS

- 2 stack of 600 x 400 mm
- 4 stacks of 300 x 400 mm
- pallets, foldable cages and stillages

- Strapping device
- Multipurpose plywood deck

Lean Adaptor Pallet











EURO ISO US

TECHNICAL SPECIFICATION	
External dimensions	1210 x 800 x 149 mm
Tare weight	32 kg
Working capacity	1000 kg
Surface treatment	Blue zinc plated acc. to EN-ISO2081
Safe stacking - loaded in transport - loaded at warehouse - empty	2 units 3 units 15 units

DESIGNED FOR ALL STANDARD LEAN DOLLIES

OPTIONS

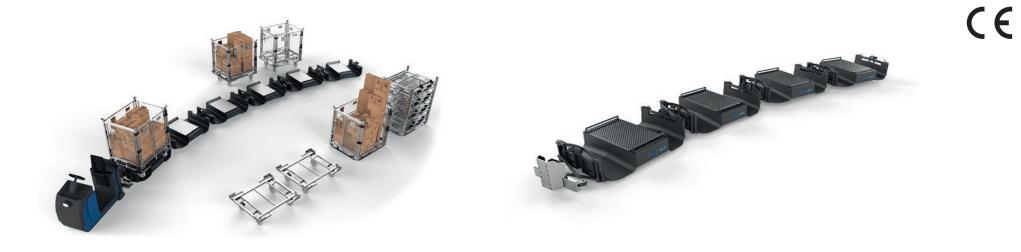
- Non-slip features
- RFID & Tracking compatibility
- ESD compatibility

ALSO AVAILABLE IN ISO AND US-DIMENSIONS

- 1200 x 1000 mm
- 48" x 30"
- 48" x 45"

- EasyStrap
- Compatible with industry standard lids

LiftLiner®

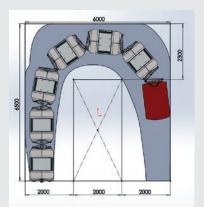


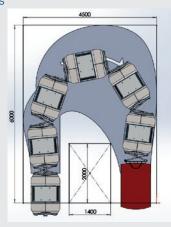
TECHNICAL SPECIFICATION	
External dimensions	820 x 620 mm, height when down/up 290/350 mm 1220 x 820 mm, height when down/up 290/350 mm 1220 x 1010 mm, height when down/up 290/350 mm
Ground clearance when down/up	0/60 mm
Tare weight with CPD wheels, no corners	18 kg
Wheel size	200 mm wheels
Wheel configuration	2 per wagon
Wheel material	PU
Maximum Load Capacity	1000 kg
Tare weight	approx. 180 kg
Coupling: - Lenght - Type	200 mm A&A crossbar coupling system
Maximum speed	16 km/h
Surface treatment	Powder coating
Time to lift	Less than 3 seconds

BENEFITS

- Easy one man operationNo turnaround needed

- Extremely manoeuvrable
 No additional routing needed
 Safe and high track stability
 Loading/unloading from both sides





elephantboard® and Daughter Cart for the LiftLiner



TECHNICAL SPECIFICATION E	ELEPHANIBUARD (4 SHELVES)
External dimensions	820 x 1450 x 1810 mm
Maximum working capacity	500–1000 kg
Shelf material	Rotomoulding plastic
Number of shelves	1–4
Distance between shelves	365 mm
Tare weight	65 kg
Wheel type	2 swivel and 2 fixed
Wheel material	Heavy-duty polyurethane wheels
Wheel size	200 mm
Surface treatment	Blue Zinc Plated
Amount per LiftLiner	1 unit

TECHNICAL SPECIFICATION FLEPHANTROARD (4 SHELVES

TECHNICAL SPECIFICATION DAUGHTER CART	
External dimensions	840 x 1240 x 318 mm
Maximum working capacity	1000 kg
Tare weight	29 kg
Wheel type	2 fixed and 2 swivel or 4 swivel
Wheel material	Polyamide wheels
Wheel size	200 mm
Surface treatment	Blue Zink Plated
Amount per LiftLiner	1 unit

Also available in ISO size.

OPTIONS

- Eliminate the need for forklifts and reduce the risk of accidents at manufacturing and assembly lines
- Lower maintenance costs
- Reduce overall operator costs
- Require only one operator making multiple deliveries on one route trip
- Enable to carry smaller and kitted loads in addition to pallet units in the same train
- Faster delivery rates takes seconds to unload

Accessories – Wheel overview

\varnothing 100 MM WHEELS



CPD WHEEL



RUBBER WHEEL



POLYURETHANE WHEEL



ESD RUBBER WHEEL



ESD HYBRID WHEEL NON-MARKING



ESD POLYURETHANE WHEEL



POLYURETHANE WHEEL

SOLID WHEEL PA

- All our wheels are equipped with ball bearings to ensure
 - lower rolling resistance
 - lower noise
 - long life span
- Very high load capacity and quality
- The wheels are designed to be used also in a tugger train



CLEAN WHEEL



Accessories – Safety and ergonomics

S



MULTIPURPOSE DECK FOR 600 X 800 MM LEAN DOLLIES

TECHNICAL SPECIFICATION	
External dimensions	598 x 798 mm
Material	Coated plywood
Max. load	500 kg
Supplied	Ready to use

DESIGN

• Compatible with 600 x 800 Lean Dollies

BENEFITS

- Provides a close deck for smaller packages
- Easy to use
- Equipped with two ergonomic handles





EASY STRAP FOR LEAN ADAPTOR PALLET

TECHNICAL SPECIFICATION	
External dimensions	470 (L) x 405 (W) x 900 (H) mm
Surface treatment	Blue zinc plating
Weight	5 kg
Wheel type and size	CPD 100 mm
Supplied	Ready to use

DESIGN

• Both for 600 x 400 and 600 x 800 Lean Dollies

BENEFITS

• Ergonomic and safe way to move the dollies

ECHNICAL SPECIFICATION	
Iodular length	2300 – 3800 mm
laterial	Textile with metal hook
lax. load to be tripped	1000 kg = max. load to be distributed on one or more Adaptor Pallets
lax. load by stacking	1000 kg in total
Supplied	Ready to use and to be attached to the Adaptor Pallet.

To be used in connection with the Lean Adaptor Pallet and secure the transported boxes.

DESIGN

- Adjustable length
- Directly attached to the Lean Adaptor Pallet

BENEFITS

- Safer transportation
- Easy to attach
- Reusable

Accessories – Dirt prevention



COVER FOR LEAN SHELF WAGON

TECHNICAL SPECIFICATION	
External dimensions	806 x 1260 x 1680 mm
Material	PVC (polyvinyl chloride)
Packing	Delivered as complete kit for 1 unit
Supplied	Delivered ready for use and to be attached to the Adaptor Pallet

Designed for closed transportation of the Lean Shelf Wagon between warehouses or from for example unloading areas outside to inside. The cover is very easy to flip over and open as well as closing.

DESIGN

- Access from both long and short sides if needed
- Easy manual handling due to Velcro-closing
- Flip-up and attach sides for less space consuming handling

BENEFITS

- Weather protection
- Protection against contamination
- Transport safety under truck transportation
- Internal transport safety
- Easy manual handling
- Space friendly solution



TECHNICAL SPECIFICATION	
External dimensions	604 x 404 mm
Material	PVC (Polyvinyl chloride)
Supplied	Ready to use

Designed to be placed between the Dolly and the packages transported.

BENEFITS

- Prevents liquid dripping from boxes on the floor
- Prevents accidents
- The solution stays stackable while being attached with the dripping pan

DRIPPING PAN FOR 600 X 400 MM LEAN DOLLIES



TOW TRACTOR DRAW BAR

TECHNICAL SPECIFICATION	
Max. load on the draw bar	6000 kg
Max. load on the pin	2000 kg
Compatible with	Lean Dolly 600 x 500 mm Lean Dolly 600 x 400 mm Lean Dolly 600 x 800 mm Lean Dolly 600 x 1000 mm Lean Pallet Size Dolly Lean Shelf Wagon
Surface treatment	Blue zinc plated
Supplied	Assembled ready to mount on the tugger

DESIGN

For the tractor types: Jungheinrich EZS350 and Linde P30/P50. It can also be adjusted for other tractor types.

BENEFITS

• Enable towing of all Lean Dollies in various combinations.





