

# ***BT LEVIO***

S-series  
LSI200



# ***BT STAXIO***

S-series  
SSI160LN, SSI200D



## Product presentation BT Levio & Staxio S-series

### Content

#### Product Range Overview

- Main specifications & design principles

#### Product Features & Benefits

- Ergonomics
- Energy-efficiency
- Safety
- High Performance



## The new Levio and Staxio S-series

Electric 24V powered pallet truck and stackers  
Developed and manufactured in Europe (Sweden)

### ***BT LEVIO***

- LSI200 – BT Levio 2t Stand-in Powered Pallet Truck

### ***BT STAXIO***

- SSI200D – BT Staxio 2t Stand-in Double Stacker Truck
- SSI160LN – BT Staxio 1.6t Stand-in Narrow Stacker Truck with elevated support arms





## Applications BT Levio/Staxio S-series range

### Applications BT Levio/Staxio S

- Suits a wide range of applications: Ideal for horizontal transport for medium and long distance, double-load handling, block stacking, stacking at elevated height and levelled-off loading/unloading. Also suited for cold store applications
- Used at many different customers: Multi-purpose trucks suitable for a wide range of customers, as part of a large fleet comprising order pickers and reach trucks, in industries and distribution centers where safety, ergonomics and performance is focus
- Their size and short turning radius make them fit easily in narrow spaces or narrow aisles

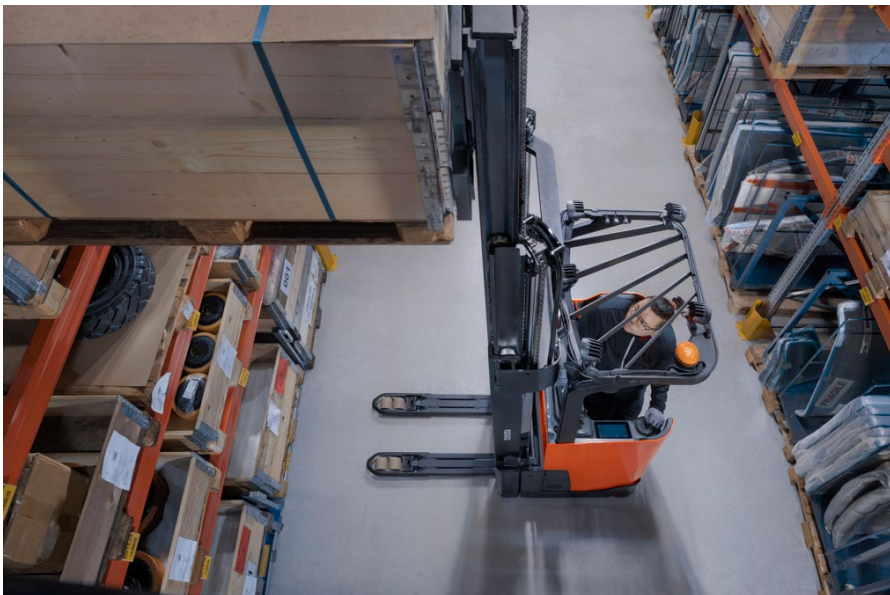




## Applications BT Levio/Staxio S-series range

**TOYOTA**

MATERIAL HANDLING



## Built around You – Designed with the operator in mind, in terms of Ergonomics, Energy-efficiency, Safety and High performance



ERGONOMICS



ENERGY-EFFICIENCY



SAFETY



HIGH PERFORMANCE

# Built around You – Built around Li-Ion

The main lines for the future development of the new Levio/Staxio S-series was to take product leadership in this segment and transforming the product offer to something that is unique and sustainable:

- Using Li-Ion as energy source enables specifically important product features on these models that are:
  - Compact dimensions – short length and low aisle width requirement
  - Superior ergonomics and operator room
  - Quick, easy and safe re-charging
  - Perfect match for usage hours and charging pattern

***LI-ION***  
Lithium-Ion Energy System





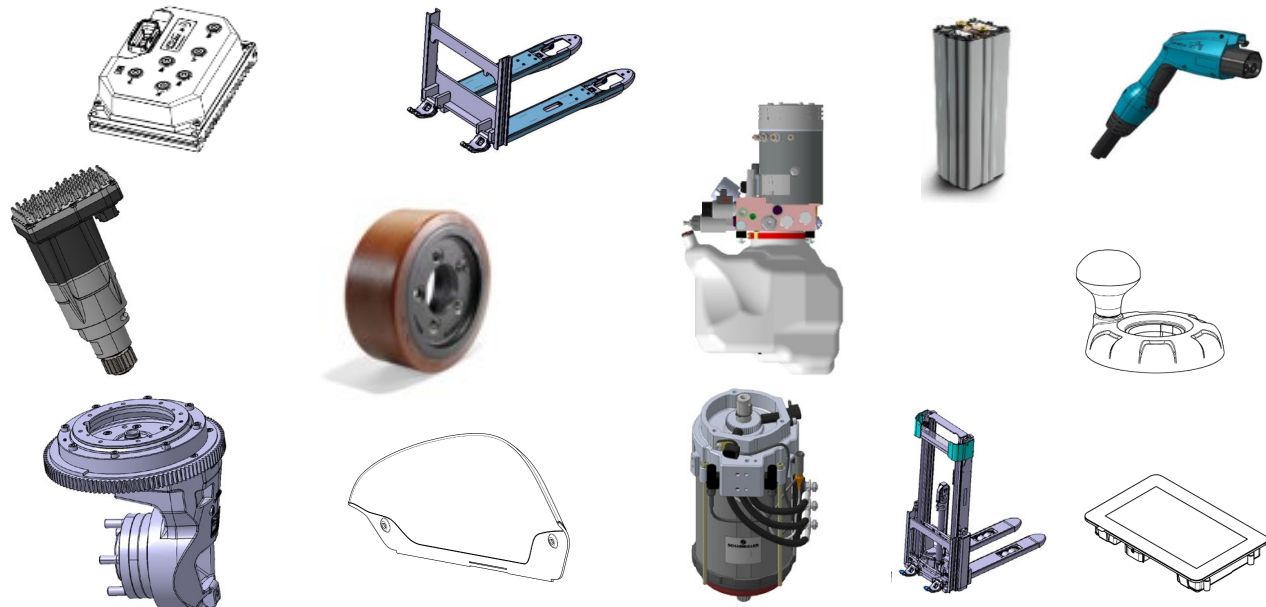
# Built around You – Built around proven components

One other main driver during the development has been “Modularisation”.

This means that we have used as many proven components from other ranges as possible as building blocks for the S-series, without doing any compromise on required specifications.

- Thanks to the modular approach we will have a competitive price, high level of recognition for our service and parts business, easy to upgrade and beneficial for our production. Here's some examples:

- Motor from LPE250
- Gear from LPE220/250
- Updated Power steering – will also be on OSE/LPE/SPE
- Motor controller from SPE
- Drive/fork wheels from LPE/SPE
- MCU from RRE
- Hydraulics from LPE/SPE
- Same lift interface as SPE L
- Fork/Fork carriage from LPE/SPE
- Same masts and mast interface as on SPE
- Chassis/support arms for Support Arm Lift
- TMHMS Li-Ion battery modules
- Chargers / Charge connector / Charge inlet
- Steering wheel from RRE
- Display from RRE
- Wind shield from RRE-B





BT Levio S-series Range model

## BT Levio 2.0t stand-in powered pallet truck

### LSI200

Rated capacity	2000 kg
Fork lengths	1000 - 2350 mm
Fork widths	520, 536, 550, 570, 685 mm
Max Speed	12,5 km/h
Body width $b_1$	790 mm
Truck length $l_2$	822 mm

For effective handling of goods and ideal for long horizontal transport in distribution centers, warehouses and industries. Unloading/loading of lorries is also possible if the transition between the loading bay and the lorry is levelled off.

# BT LEVIO



BT Staxio S-series Range models

## BT Staxio 2.0t stand-in double stacker

### SSI200D

Rated capacity 1000 + 1000 kg  
Support arms capacity 2000 kg

Max lift height 2500 mm  
Max Speed 11,5 km/h  
Body width  $b_1$  790 mm  
Truck length  $l_2$  1022 mm

Double load handling of goods in warehouses, distribution centers and industries, block stacking and for horizontal transport. Unloading/loading of lorries is also possible if the transition between the loading bay and the lorry is levelled off.

**BT STAXIO**



GOLD  
AWARD  
2024

BT Staxio S-series Range models

## BT Staxio 1.6t narrow stand-in stacker with elevated support arms

### SSI160LN

Rated capacity	1600 kg
Support arms capacity	2000 kg

Max lift height	5400 mm
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Max Speed	10 km/h
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Body width $b_1$	790 mm
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Truck length $l_2$	1030 mm
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Stacking in warehouses, distribution centers and industries for effective handling of goods and for horizontal transport, block stacking and stacking at elevated heights.

**BT STAXIO**







**ERGONOMICS**



## Comfortable operator compartment

### Features

- Foldable and height-adjustable standing seat
- Dampened floor
- Adjustable right-hand module
- Easy reachable levers and controls
- Easy access to E-bar accessories and power outlet
- Intuitive color touchscreen display
- Excellent visibility all around
- Enclosed operator compartment

### Benefits

- The enclosed driver compartment offers a safe and comfortable workstation for enhanced productivity





## Grab handle

### **Features**

- Ergonomic grab handle for safe and easy hop on and off
- Handle to hold on to when putting in and out the charging connector
- Protects the left hand from outside

### **Benefits**

- Easy and safe access







## Foldable and height-adjustable standing seat

### Features

- Foldable seat pad for two positions:
  - Down – for standing work position
  - Up – for semi-sit work position
- Height/Depth adjustable - 200 mm – in one movement
- Backrest with side support for comfort and to keep operator inside the compartment

### Benefits

- Easily switch between working positions during the shift
- Easily adopted to operator's length



Handle for height adjustment



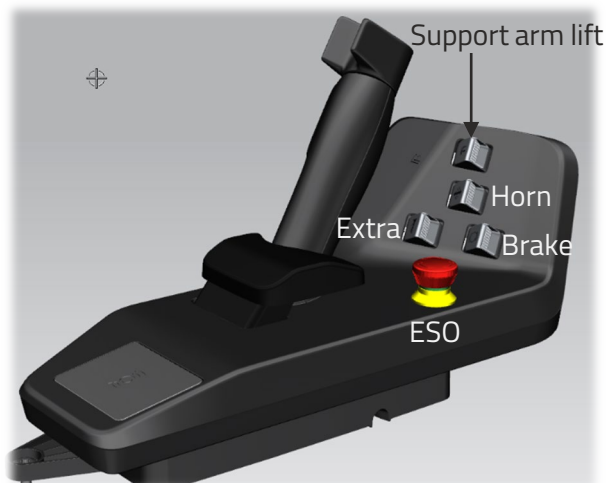
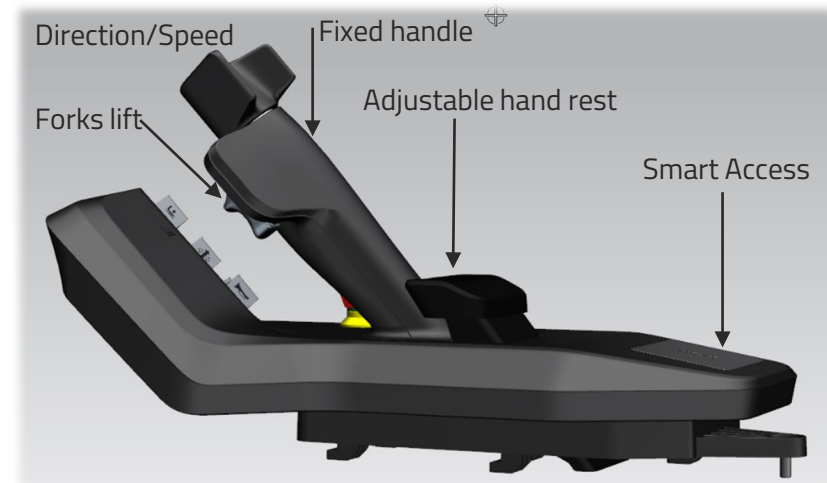
## Adjustable right-hand module

### Features

- Adjustable hand rest to fit the operator's hand size
- Ergonomic module with all functions within easy reach
- Fixed handle to hold on to when doing rapid change of direction or acceleration

### Benefits

- Enhanced driver comfort and productivity with ergonomic operator controls





## Dampened floor

### Features

- No left foot pedal as on previous trucks and competitor trucks – the whole floor acts as presence sensor
- Springs and rubber elements to absorb vibrations for the operator
- Low full body vibration levels,
  - LSI200 - 0.65 m/s<sup>2</sup>
  - SSI200D - 0.74 m/s<sup>2</sup>
  - SSI160LN - 0.64 m/s<sup>2</sup>

### Benefits

- Possibility to change working position
- Less fatigue for the operator







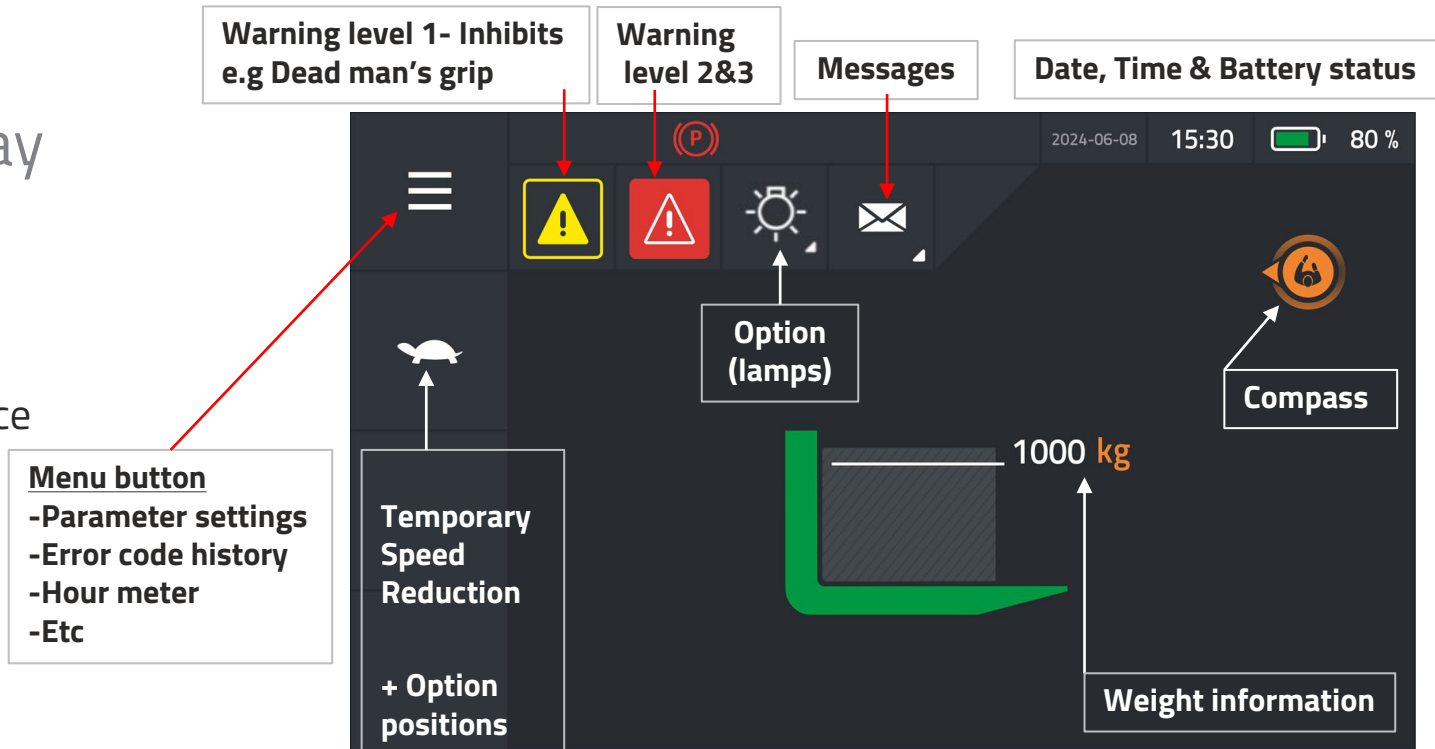
## Intuitive color touchscreen display

### Features

- Color touch display with intuitive user interface
  - Battery status
  - Time HH:MM
  - Steering compass
  - Operator alerts
  - Menu system for settings etc
  - Load weight indication

### Benefits

- Effective interaction between truck and operator is essential for productive operations





## Electrical outlet

### Features

- 5V USB electrical outlet as standard
- 12V or 24V outlet as option (in combination with DC/DC converter)
- Outlet in close connection to the left E-bar

### Benefits

- Simple electricity/charging for terminals, smart phones, tablets or other external equipment





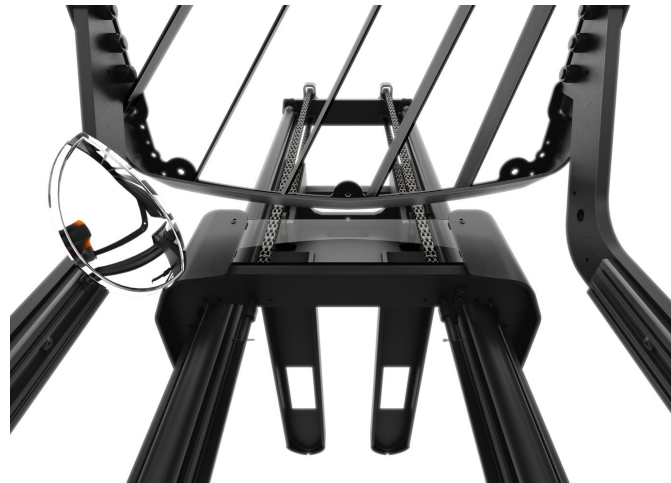
## Excellent visibility all around

### Features

- Clear visibility on the forks and goods being handled thanks to the reduced truck dimensions
- The high standing position of the driver offer high visibility all around
- As the operator is sideways positioned it means optimized view in both drive direction and forks direction

### Benefits

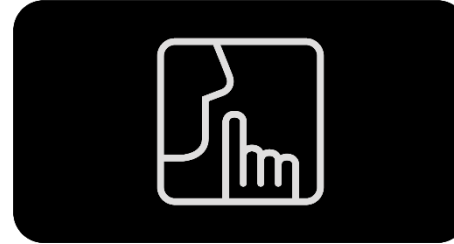
- Excellent visibility in all situations







## Quiet and smooth operation

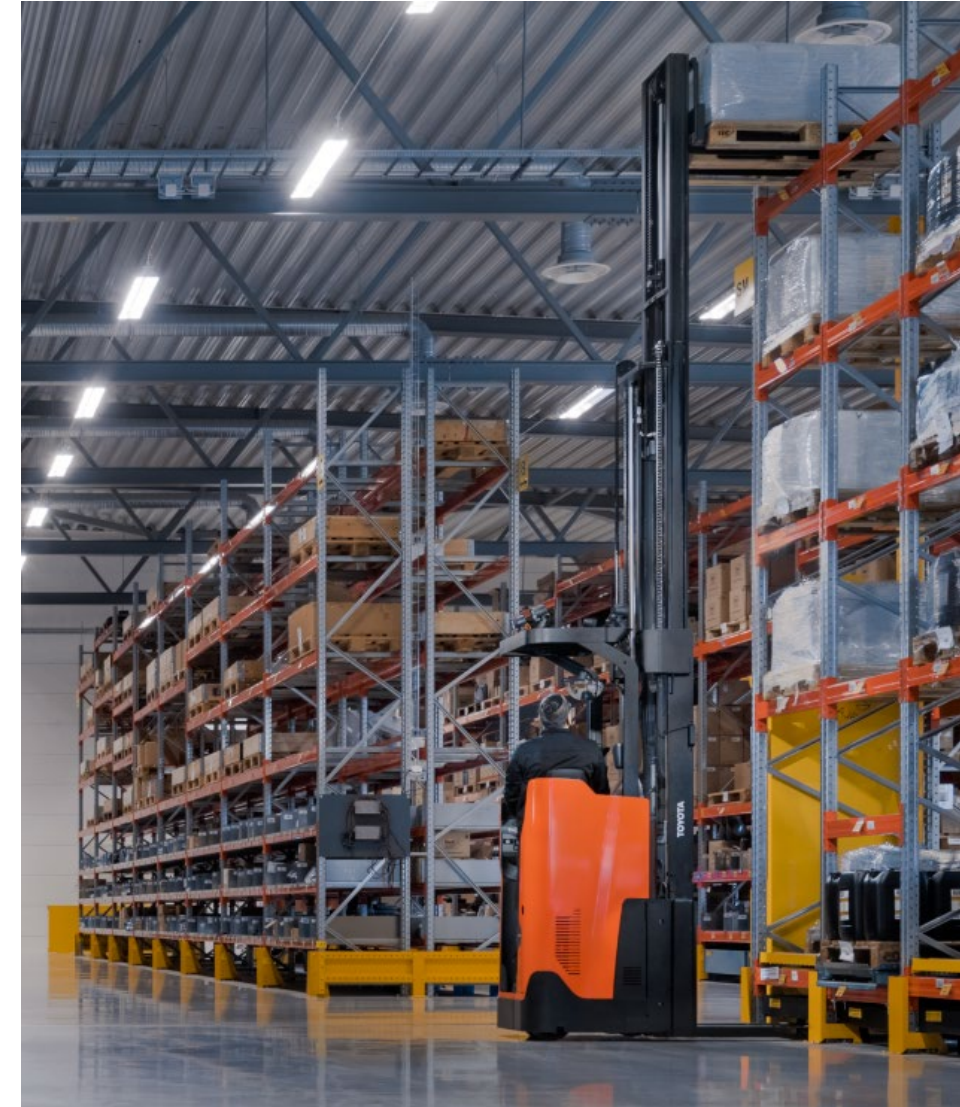


### Features

- Quiet and smooth impression of the models
- Low noise levels:
  - LSI200 66 dB(A)
  - SSI200D 67 dB(A)
  - SSI160LN 67 dB(A)
- Optional Silent Hydraulics option on SSI-models

### Benefits

- Enhanced driving experience and solid impression
- Lower risk of disturbing other operators and people in the surrounding area
- Strong selling point in low noise environments





## ENERGY EFFICIENCY



## All the benefits of Li-Ion



No battery  
exchange  
necessary



No charging  
room  
needed



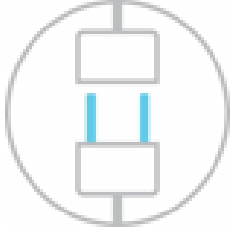
Zero  
maintenance  
required



Using 30%  
less energy



3x the life  
of Lead acid



Quick and  
easy charging



Less  
emissions



Cost  
reduction

***LI-ION***  
**Lithium-Ion Energy System**



## 3 intelligent Li-Ion energy packs

### Features

- TMHMS Li-Ion battery modules
  - 210 Ah, 300 Ah or 420 Ah
  - Heated batteries for coldstore also available

### Benefits

- Energy efficient battery solution
- Different energy packs to customize the energy need together with a wide range of chargers
- Chassis size remains the same for all the different energy packs

**LI-ION**



210Ah



300Ah



420Ah







## Wide range of chargers

### **Features**

- Micropower Li-Ion chargers available in price list:
  - 24V chargers between 40A – 300 A
  - 3-Phase 400V, 3-Phase 230V or 1-Phase 230V
- The trucks are also compatible with Micropower 48V and 80V Li-Ion chargers

### **Benefits**

- Energy efficient charger solutions
- Different chargers to customize the energy need together with the different battery capacities

See options presentation for more information





## Class leading low energy consumption

### **Features**

- Energy consumption according to EN 16796:2016
  - LSI200 0,375 kWh/h
  - SSI200D 0,620 kWh/h
  - SSI160LN 0,772 kWh/h
- Li-Ion more energy efficient than traditional batteries
- No lifting of heavy traditional batteries
- Regenerative motor braking
  - Energy is generated back to the battery at every deceleration

### **Benefits**

- Cost and energy savings
- Improved uptime
- Decreased CO2 emissions





## Quick, easy and safe re-charge

### Features

- Protected and safe charging point at an ergonomic work height
- Power supply to external equipment is left on during charging procedure
- Compatible with a wide range of chargers
- Charging status feedback on the display, charger, battery button and the charging plug

### Benefits

- Quick opportunity charge
- Easy, safe and fast charge handling with no power cut-off for external equipment





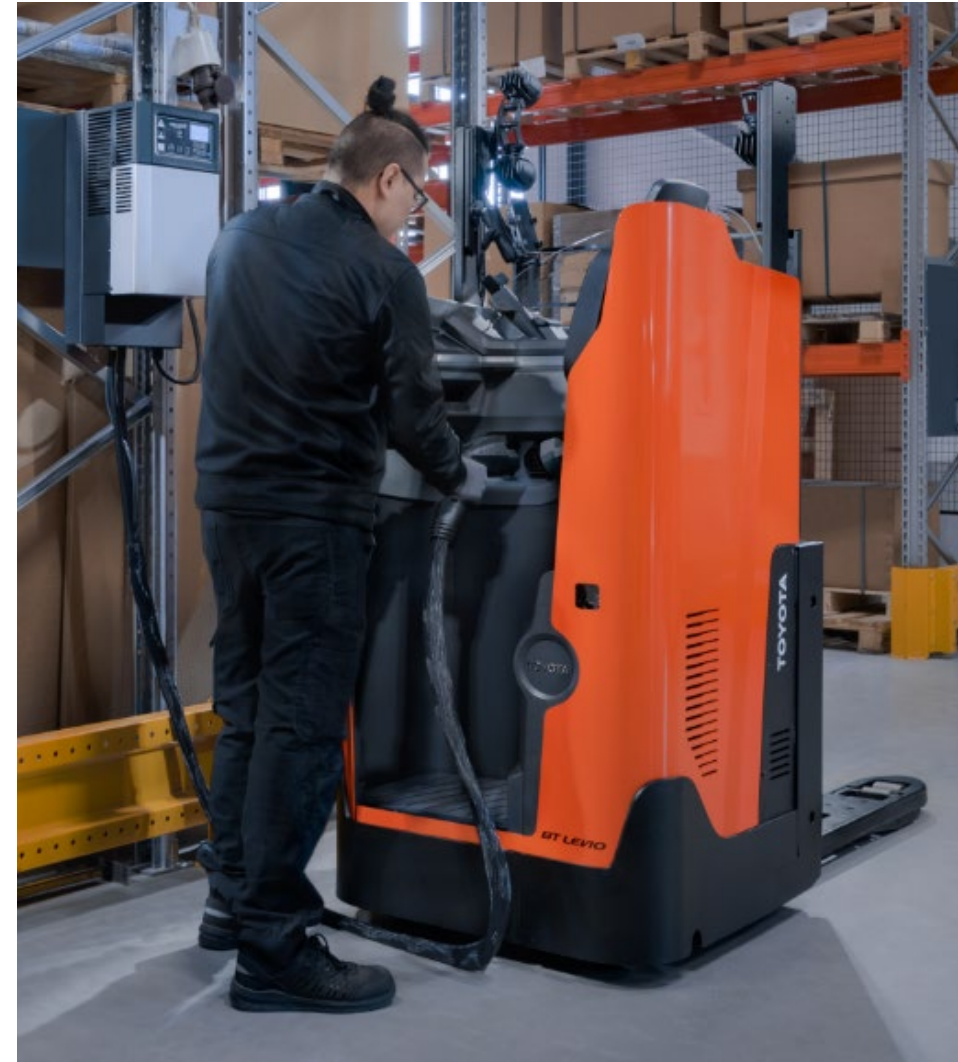
## Quick, easy and safe re-charge

### **Features**

- Easy push-in procedure
- Ergonomic one-hand operation
- Push-in locking with button release
- SW-key to prevent wrong combination - charger<>truck
- LED light on plug indicates charge status The release button on plug stops the charger

### **Benefits**

- Easy, safe and fast charge handling







## Battery saving mode

### Features

- The battery will enter sleep mode after a period based on an algorithm of inactive time and state of charge
- A button to wake up the battery from sleep mode or actively put it to sleep mode
- Parameter #105 sets the shut down time

### Benefits

- Holds the state of charge for a longer time
- Protects the battery from being fully discharged if truck has been left idle for a long time





# High uptime

## Features

- Energy efficient system for high uptime
- Energy customization on battery and charger
- Energy simulator available to support the decision on which battery pack and charger to go for.

## Benefits

- High autonomy - High productivity in the working place
- Flexible energy system to suit the need for the customer
- Choose the energy solution that suits the operational and charging habits best

*Based on the optimal combination of Lithium-ion batteries and chargers.*



Autonomy



Charging breaks



Usage

### BT LEVIO

#### Powered pallet truck - Toyota BT Levio LSI200

210Ah - Standard Pack	24 hours	1 x 30 m	at 60%
300Ah - Intensive Pack	36 hours	1 x 30 m	at 60%
420Ah - Max Pack	48 hours	1 x 30 m	at 60%

### BT STAXIO

#### Stacker truck - Toyota BT Staxio SSI200D

210Ah - Standard Pack	16 hours	1 x 30 m	at 60%
300Ah - Intensive Pack	24 hours	1 x 30 m	at 60%
420Ah - Max Pack	32 hours	1 x 30 m	at 60%

#### Stacker truck - Toyota BT Staxio SSI160LN

210Ah - Standard Pack	12 hours	1 x 30 m	at 60%
300Ah - Intensive Pack	18 hours	1 x 30 m	at 60%
420Ah - Max Pack	24 hours	1 x 30 m	at 60%



**SAFETY**



## Operator presence sensors

### Features

- Smart presence sensing for maximum Safety Onboard:
  1. Man-on-platform sensor that covers the whole floor
  2. Dead-man's grip on fixed handle
  3. Left foot photo-cell sensor
  4. Steering wheel sensor\*
- The truck will come to a controlled stop if any of these sensors are not in normal state and inhibit symbol will be shown on the display together with an audio signal

### Benefits

- The operator will stay safe within the compartment and prohibited operation of the truck is prevented

1



2



3



4



\*)The lifting or lowering will stop if no signal from the steering wheel is detected. Only for lower masts than 2501 mm





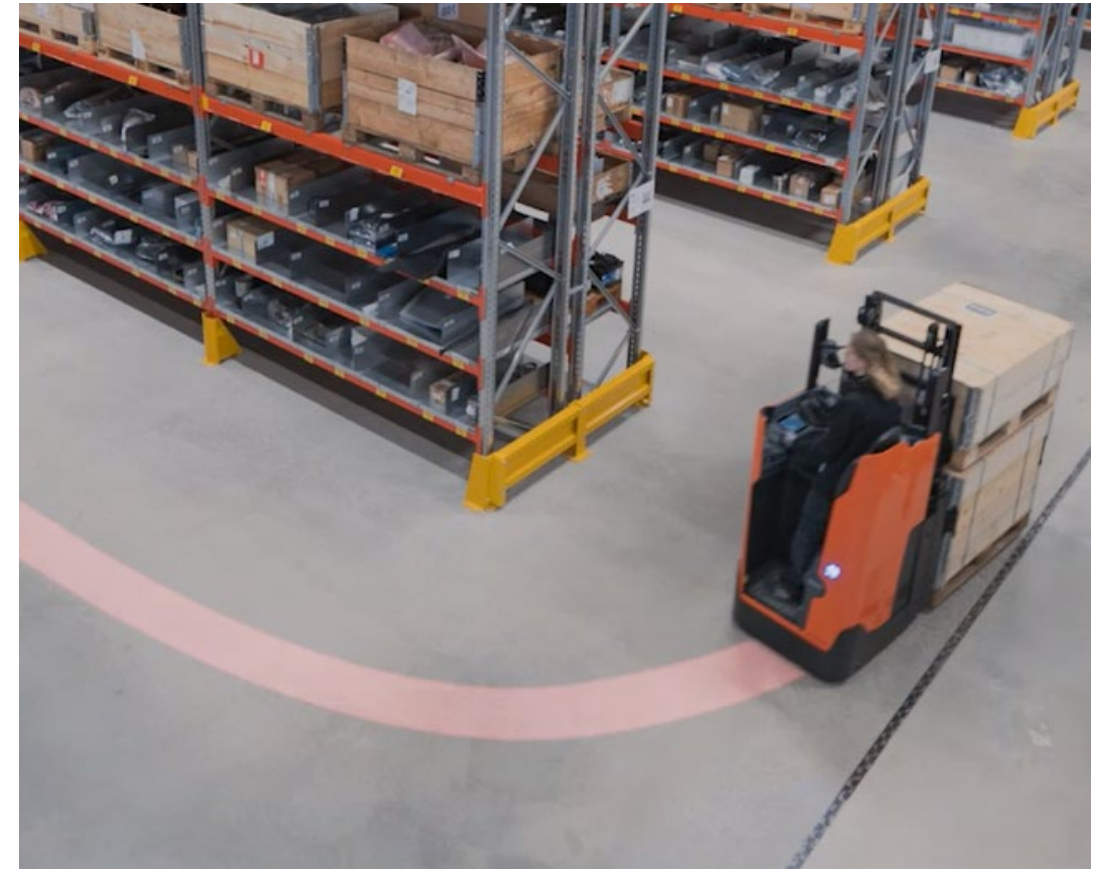
## Optimized Truck Performance (OTP)

### Features

- Advanced electronic steering system designed to assist operators for optimized safety and productivity.
  - Automatic speed reduction when cornering
  - Controlled steering wheel / drive wheel relation
  - Controlled Starting acceleration
  - Controlled Braking deceleration
  - Soft stacking behavior in acceleration and speed

### Benefits

- Ensures smooth and safe driving
- Ensures stable driving characteristics for high productivity and safety
- Reduced risk of accidents





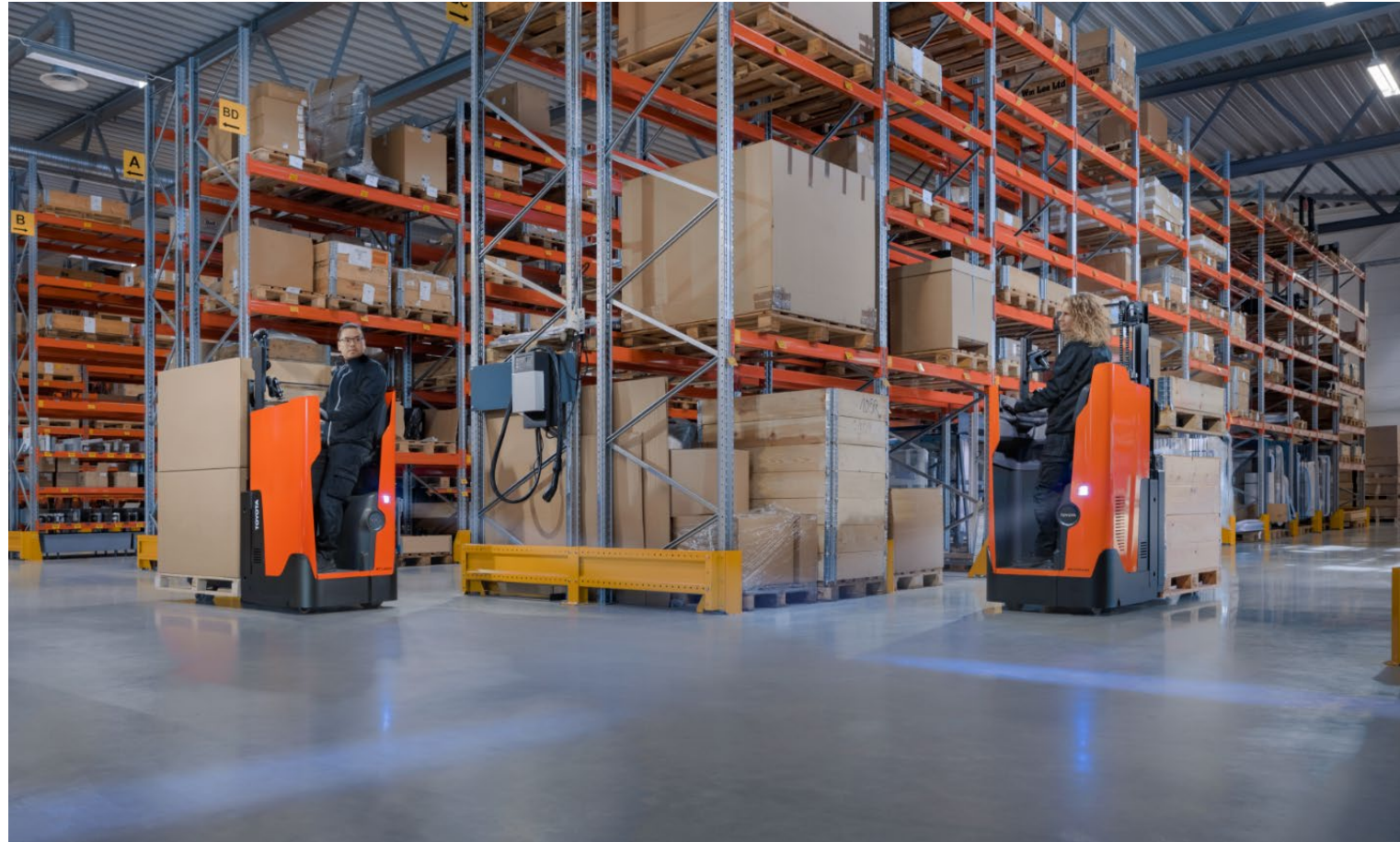
## Blue/Red LED warning light

### Features

- Displays a dot in front of the truck to pay attention to the surroundings about the truck movement
- Both drive wheel direction and fork direction
  - Fully integrated in drive wheel direction
  - On OHG or E-bar pillar in forks direction
  - Can be combined
- Adjustable to customer need via parameter. Activated depending on speed (0 km/h to 6 km/h) and direction (Parameters 219, 222, 224, 227)

### Benefits

- Increased safety and awareness of moving trucks





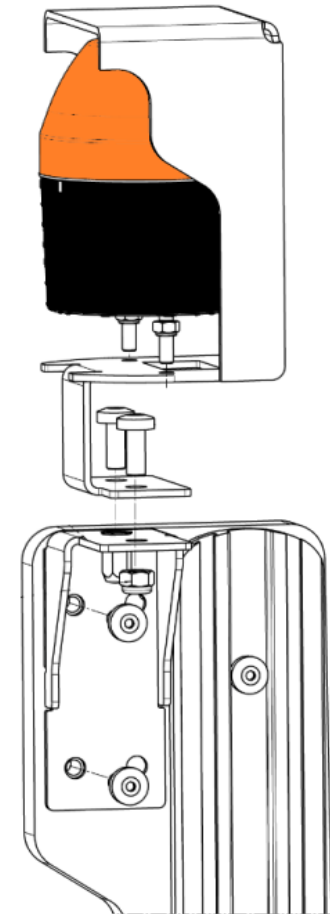
## Flashing Warning Light

### **Features**

- An orange warning light that flashes when the machine is active – depending on parameter #115
- Placed on the Overhead Guard or the left E-bar pillar

### **Benefits**

- Alerts people around the machine
- Visible from all directions around the machine
- Placement is chosen to avoid the light blinding the driver







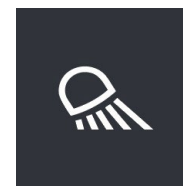
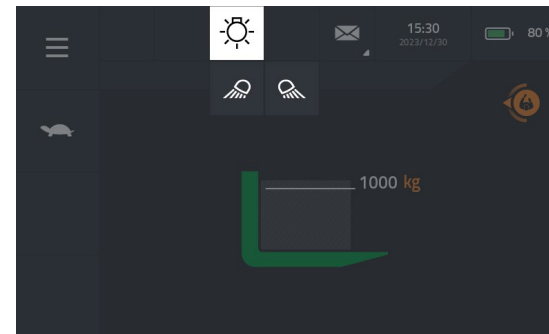
## Head-lights

### Features

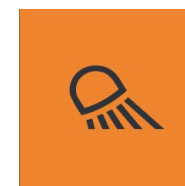
- Head lights
  - Forks direction (2 lamps)
  - Drive direction (2 lamps) – (Only on Overhead Guard)
- Placed on the Overhead Guard or on the E-bar pillars
- The on/off switches are in the display
- Pre-set from factory but could be adjusted by a service technician afterwards

### Benefits

- Alerts people around the machine
- Visible from all directions around the machine
- Placement is chosen to avoid the light blinding the driver



Inactive



Active







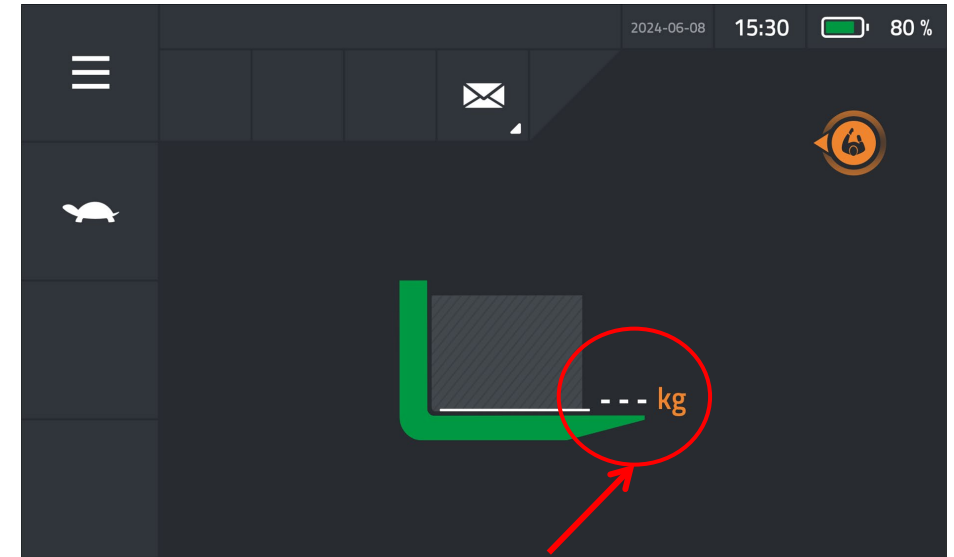
## Weight indication

### Features

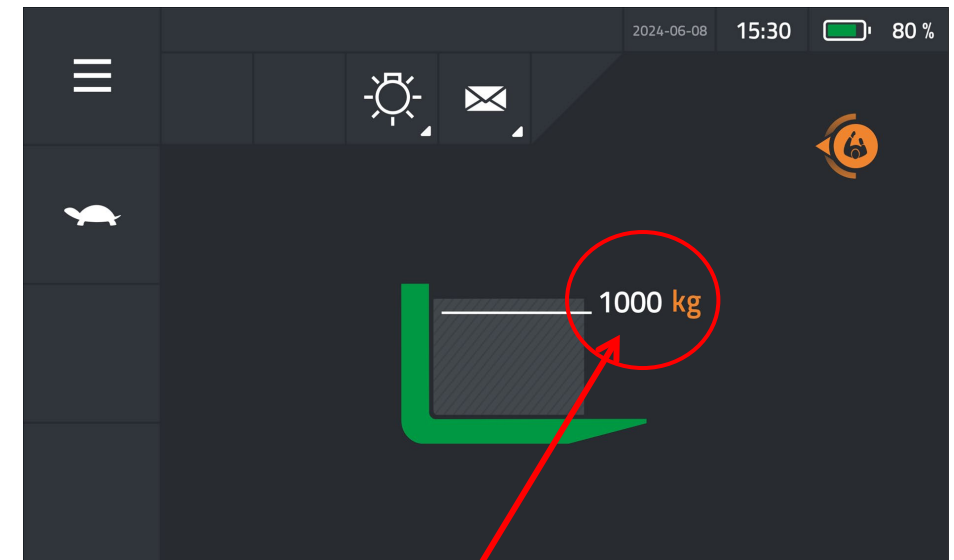
- Indication of the load weight on the forks as standard
  - Accuracy SSI: +/- 25 kg
  - Accuracy LSI: +/- 50 kg
- On SSI the weight indicator is active at lift heights 0 – 1800 mm combined with lowered support arms

### Benefits

- Supports the driver in the daily use to work safe and effective when handling load. The driver gets an indication of the load weight and helps to avoid lifting heavy loads beyond the permitted lift height. This also contributes to preventing overload in racks, elevators, on lorries, on loading docks and similar areas where there is a max. weight limit to consider



Example showing no load/load not known



Example showing 1000 kg



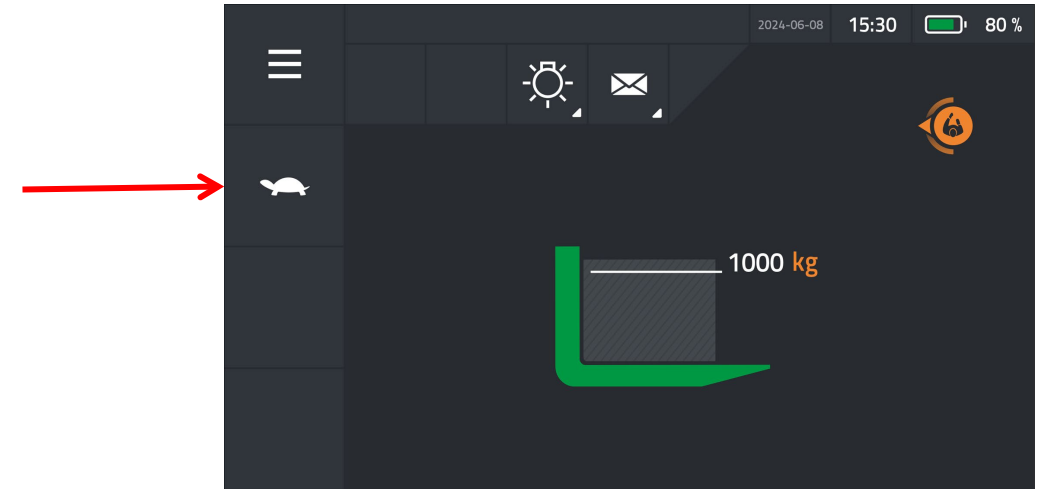
## Temporary speed reduction (Turtle)

### Features

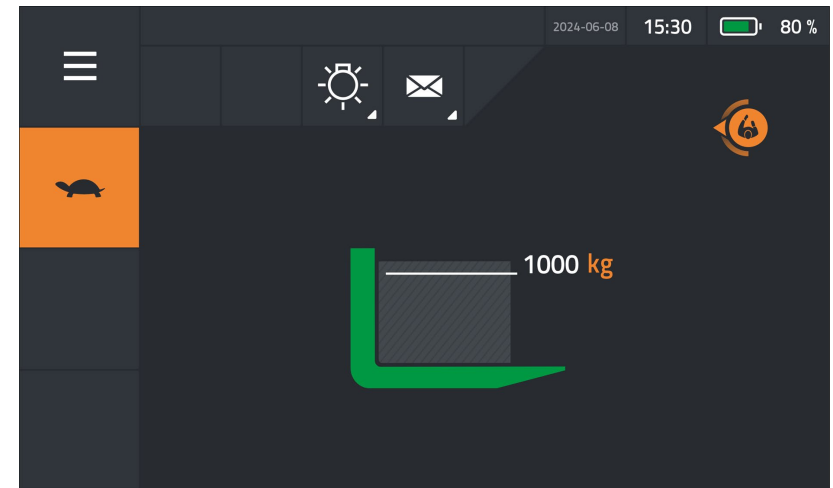
- Turtle button to temporarily reduce speed
- Turtle speed can be adjusted by service parameter #202

### Benefits

- Safe and easy maneuvering in confined and crowded areas



Press the turtle button to reduce the speed temporarily



Activated; orange button



## Operator access control

### Features

- PIN code or Card/Fob Smart Access to start up the truck
- Access via the display for PIN code
- Access via the display and Right-hand module for Smart Access

### Benefits

- Prevents unauthorized use
- Enables easy access and safety





## I\_Site

### Features

- The DHU3 as standard
- Including the Shock sensor, GPS and pin code as standard and optional Smart access

### Benefits

- Near real time reporting on topics like driver, battery, shock and much more
- All accessible via the I\_Site web interface (no software required) and mobile App.
- Supporting a better service offer to our customers (e.g service based on real hours, error codes, etc.)

# I\_Site







## Pre-operation check

### Features

- Pre-Operation Check (Pre-Op Check or POC)
  - Available in combination with I\_site on the standard display
  - Ensures that drivers comply with safety routines in force
- POC is based on check lists for control of the truck condition
  - The lists are created by means of a Toyota I\_Site web interface and transmitted to the truck
  - The check list has to be completed directly after the operator has logged on
  - If a control response indicates hazardous operation, the truck will automatically be limited to creep speed



### Benefits

- Ensures that defective trucks are not being operated



## Automatic shut off

### **Features**

- If the truck is left unattended, it will automatically shut off
  - The time can be set to between 1-20 minutes or 4 hours via parameter #104

### **Benefits**

- Automatic shut off prevents unauthorized use of the truck
  - In environments where there's a lot of people moving around the truck, it is possible to have a very short shut off time for safety reasons





## Slope control

### **Features**

- When starting uphill or in an inclination, the forward travel mode can be selected without any risk of the truck rolling backwards when the brakes are released. In this case, the motor controller ensures the truck is kept stationary.

### **Benefits**

- It is always safe to start the trucks in inclinations.





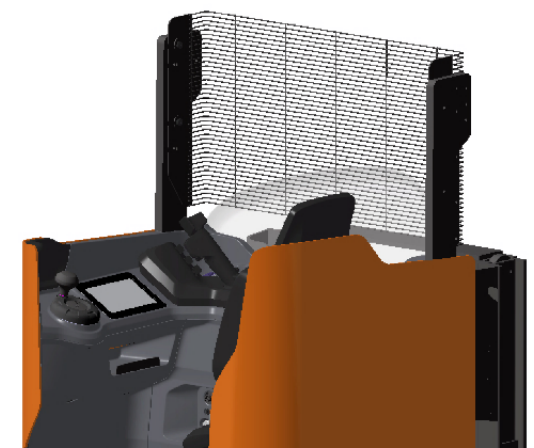
## Finger protection

### Features

- Finger protection in mast is available in two versions
- Extra protection will apply for lower masts than 2501 mm. Upper edge is 1560 mm from platform level. See pictures below.
  - Net, to avoid dust build-up in dirty applications
  - Plexi, for excellent view in normal applications

### Benefits

- Optimized compromise between safety and visibility







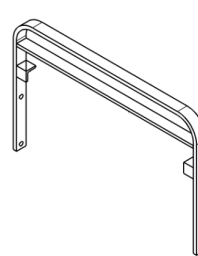
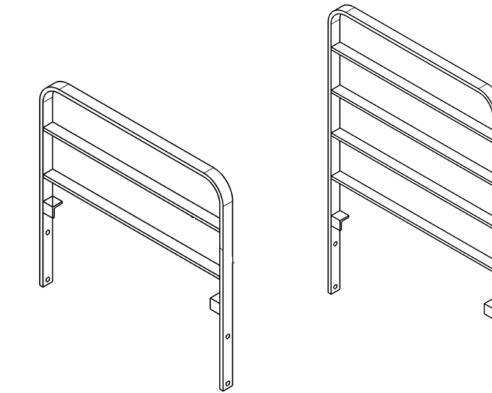
# Load support

## Features

- Load support to stabilise and secure high loads when raised on the forks
- Different heights above forks level depending on load and application:
  - 1400 mm (LSI200)
  - 1000 mm (SSI200D, SSI160LN)
  - 700 mm (SSI200D)
  - 500 mm (SSI200D)

## Benefits

- Additional safety for the driver
- Stabilise loads
- Reduces the risk of falling objects





## Overhead Guard

### Features

- Overhead guard to protect from falling goods.
- Fan shaped design for best visibility
- Optional added protection from smaller objects placed upon the roof cassette :
  - Polycarbonate cover, or
  - Metal guard
- Comply with ISO 6055 norm for overhead guards

### Benefits

- Improved safety for the operator
- Good view on forks through the overhead guard
- Robust design





# HIGH PERFORMANCE



## Programmable Driver parameters

### **Features**

- Easy programming of driver parameters
- Parameters are linked to individual driver profiles
- 10 different driver profiles and 100 different PIN codes possible

### **Benefits**

- Suit individual needs
- Easy to use and change
- The truck can be fitted to the driver's skill level and/or the application

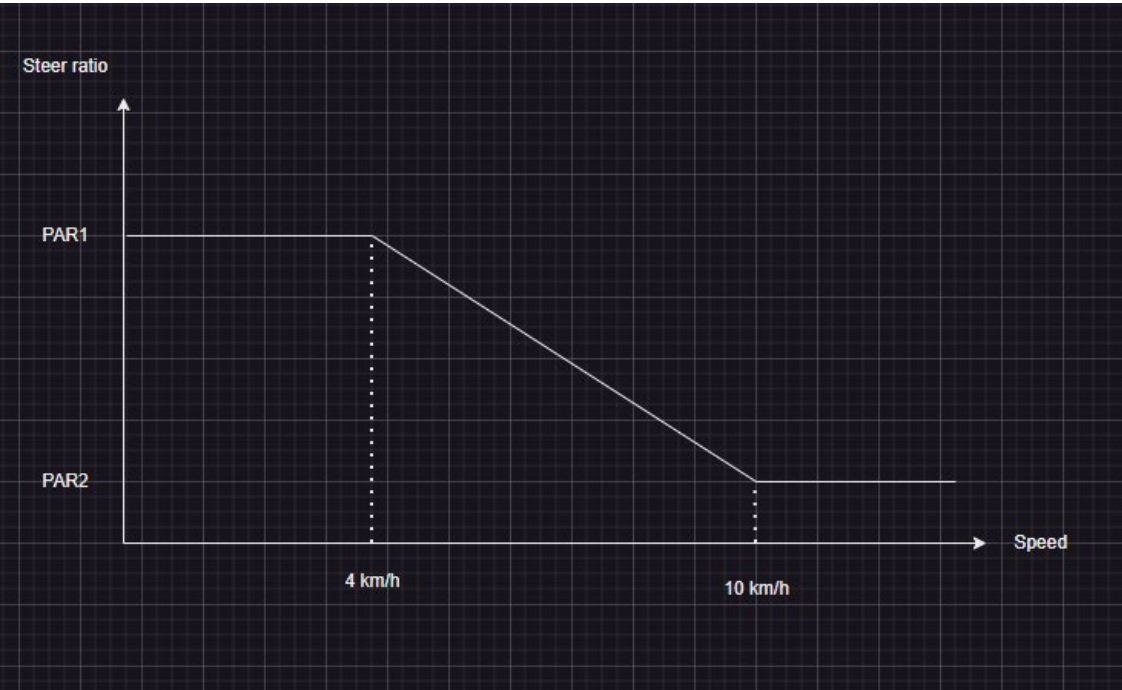
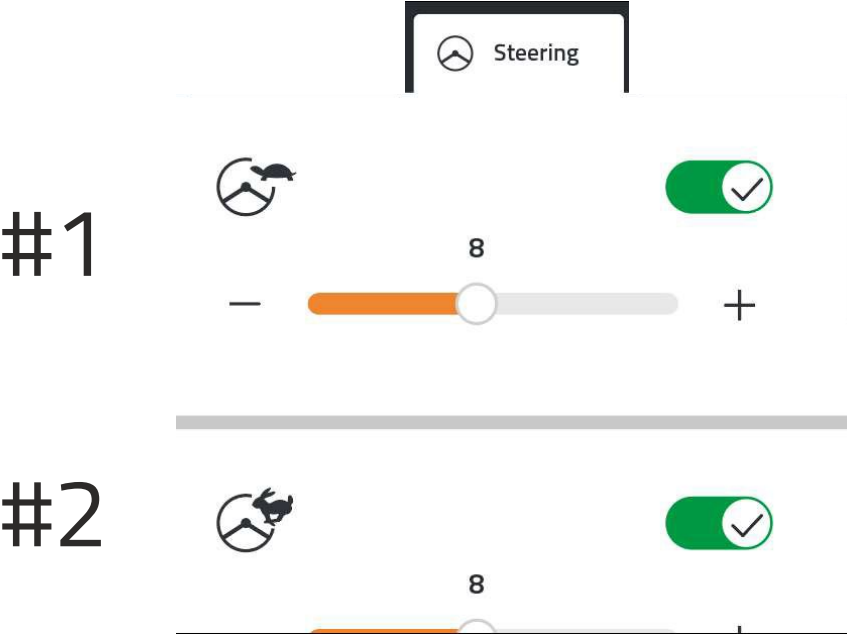






# Programmable Driver Parameters – Steering sensitivity

#	Parameter type	Unit	Min./Max.	Std. value	Notes
1	Steering sensitivity, steer ratio at low speed	Number of turns for 360°	8-20 (Steps of 1)	13	Steer/Gear ratio at low speed (up to 4 km/h) Number of turns on steering wheel that turn drive wheel 360 degrees For speeds between 4 and 10 km/h the steer ratio is linear between par 1 and par 2
2	Steering sensitivity, Steer ratio at high speed	Number of turns for 360°	20-26 (Steps of 1)	20	Steer/Gear ratio at high speed (above 10 km/h) Number of turns on steering wheel that turn drive wheel 360 degrees For speeds between 4 and 10 km/h the steer ratio is linear between par 1 and par 2





# Programmable Driver Parameters - Travel

#	Parameter type	Unit	Min./Max.	Std. value	Notes
3	Speed drive wheel direction	%	1-10 (Steps of 1)	10	Max speed in drive wheel direction in steps of 10% (percent of max speed of truck)
4	Speed forks direction	%	1-10 (Steps of 1)	10	Max speed in fork direction in steps of 10% (percent of max speed of truck)
5	Acceleration	%	3-10 (Steps of 1)	8	Max acceleration in steps of 10% (percent of max acceleration of truck)
6	Auto brake	%	0-10 (Steps of 1)	8	Max autobrake (release of throttle) in steps of 10%

(Service parameter #213 sets limitation on max speed of truck)





# Compact dimensions

## Features

- One compact chassis size for all battery capacities – 210, 300 or 420 Ah
- As reference – up to 550 mm shorter than LPE/SPE with Fixed side protection or Platform down - equal length with Platform up. See table.
- Chassis width – 790 mm

## Benefits

- Compactness offers easy maneuvering in confined areas and excellent visibility over forks
- Drivers have clear visibility on the forks and goods being handled thanks to the reduced truck dimensions



Length difference (mm)	Battery compartment			Configuration
	S	M	L	
LSI200 vs LSE200	+16	-52	-125	-
LSI200 vs LPE200/220	-364	-412	-508	Fixed sides
	-354	-402	-499	Platform down
	+96	+48	-49	Platform up
SSI200D vs SSE160D	-	-31	-107	-
SSI200D vs SPE200D	-456	-	-553	Fixed sides
	-443	-	-540	Platform down
	+7	-	-90	Platform up
SSI160LN vs SSE160L	-	-	-90	-
SSI160LN vs SPE160L	-402	-	-499	Fixed sides
	-385	-	-485	Platform down
	+74	-	-23	Platform up





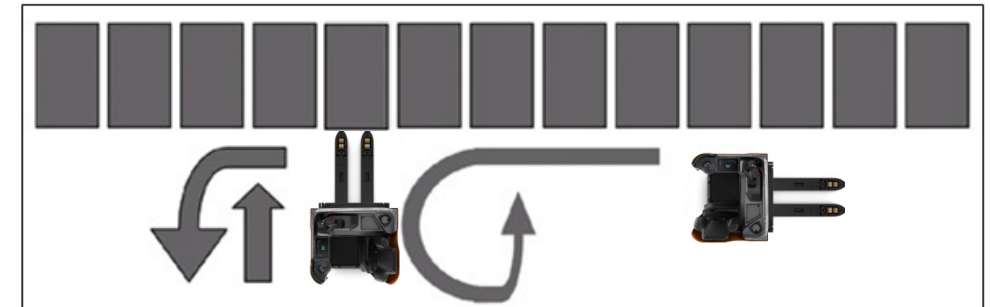
## Excellent maneuverability

### Features

- Inherited steering principles from BT Reflex
- 360° steering for professionals
- Intuitive 180° steering for beginners
- Set by factory parameter #1127 – (180°=1), (360°=0)

### Benefits

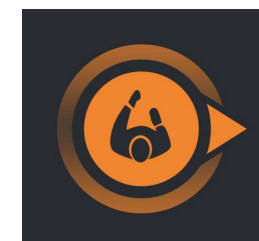
- 360° benefits:
  - Enables smooth and fast maneuvering
  - An advantage over 180° steering, especially when taking goods
  - Travel direction can be changed in a continuous movement
  - Overall higher productivity
- 180° benefit:
  - More intuitive and shorter learning process



180° Steering  
Stop – change direction – start



360° Steering  
Continuous movement without stop







## Powerful AC drive

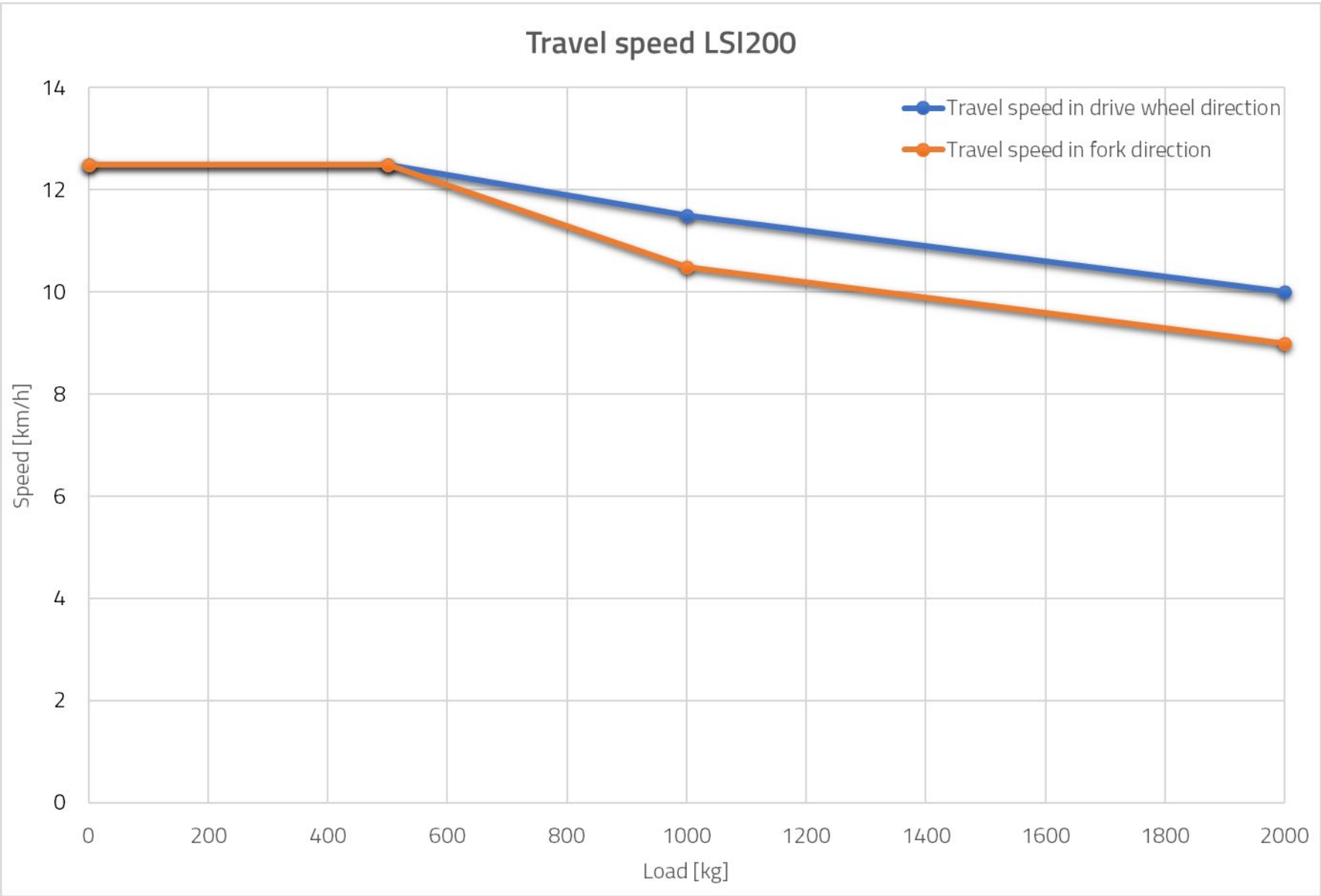
### Features

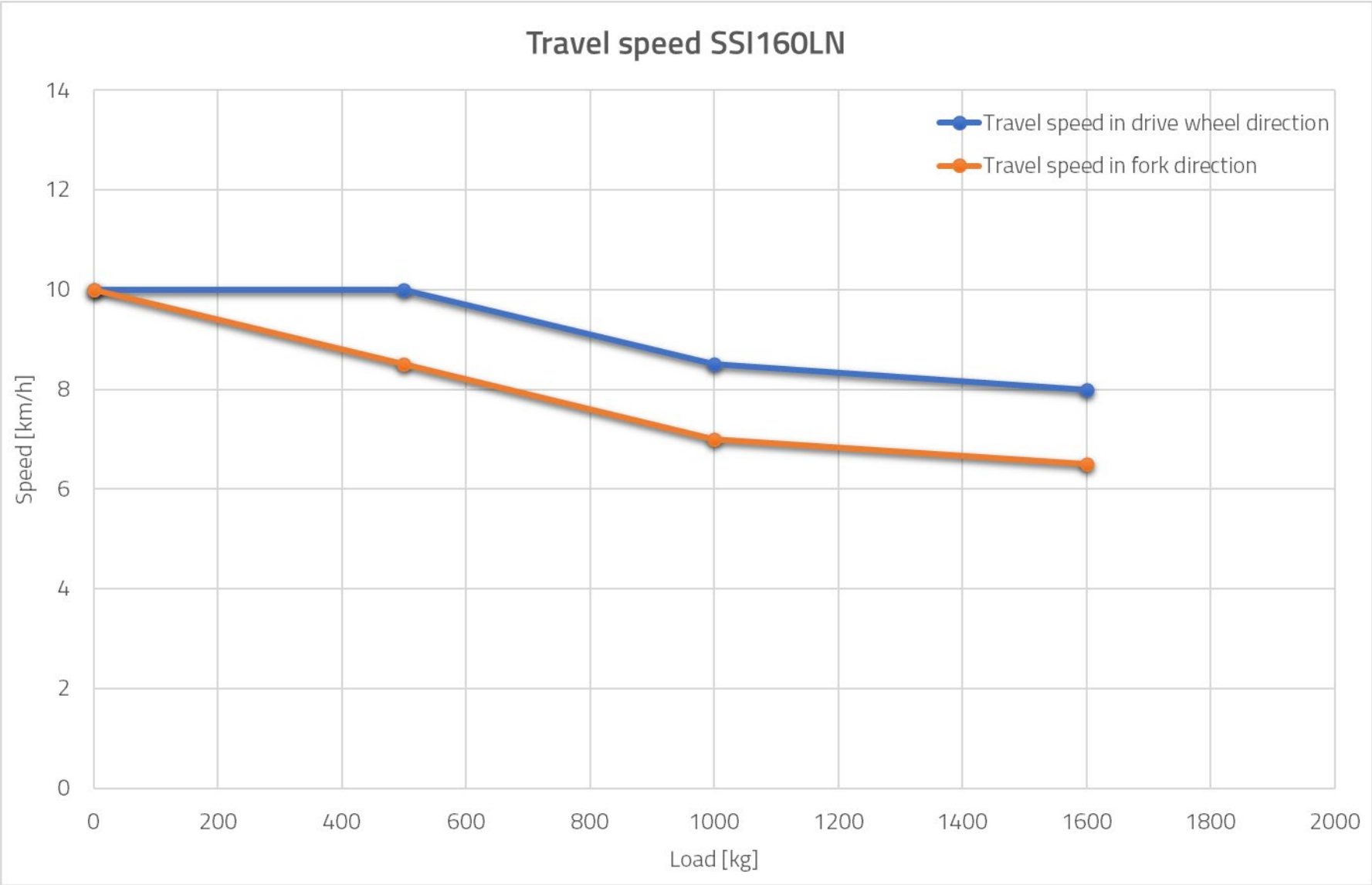
- 2.8 kW AC motor
- Speeds up to:
  - LSI200: 12.5 / 10.0 km/h (unloaded/loaded)
  - SSI200D: 11.5 / 8.0 km/h (unloaded/loaded)
  - SSI160LN: 10.0 / 8.0 km/h (unloaded/loaded)
  - See next slides for more speed details on speed / load weight relation

### Benefits

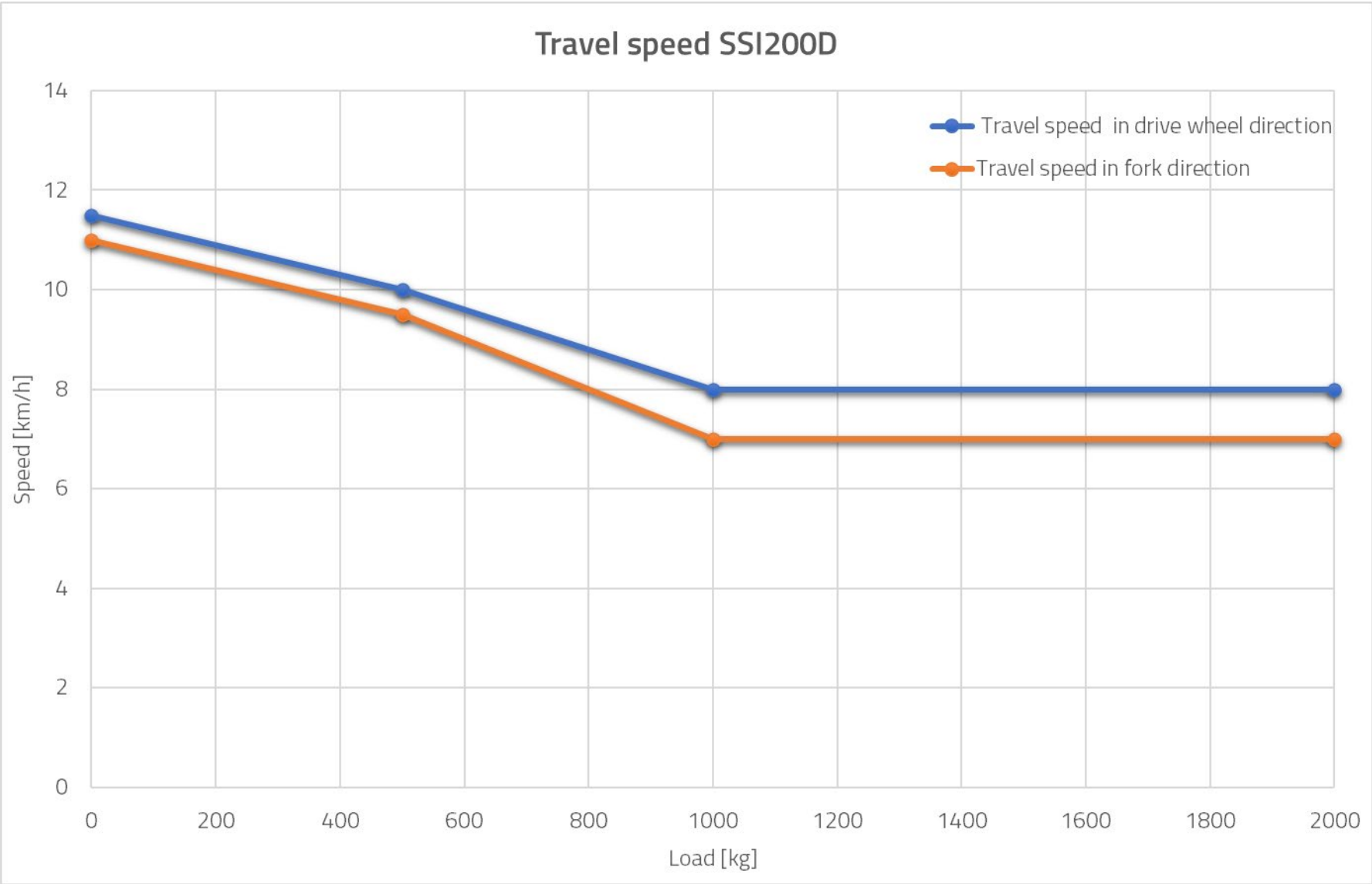
- Suitable for high-intensity applications including long-distance horizontal transportation of heavy loads.
- Higher speeds enables increased productivity







When lifting forks above 1.8 m the speed is reduced to 2 km/h







Wide range of mast configurations \*

Wide range of fork widths/lengths \*

### **Features**

- Duplex Tele Panoramic masts
- Duplex HiLo masts
- Triplex HiLo masts
- Wide range of fork configurations

### **Benefits**

- All possibilities to customize lift height, capacity and visibility
- Correct fork width/length for the handled load contributes to safety and productivity

\* See options presentation for more details





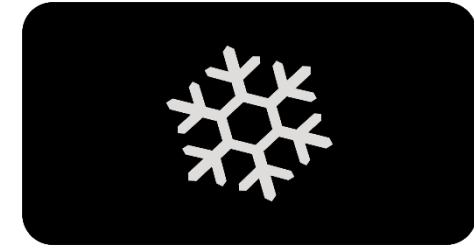
## Cold store ready

### Features

- Custom components for Cold store use down to -30°C
- Low temperature oil
- Heated Li-Ion batteries

### Benefits

- Ensures good performance in Cold store applications.





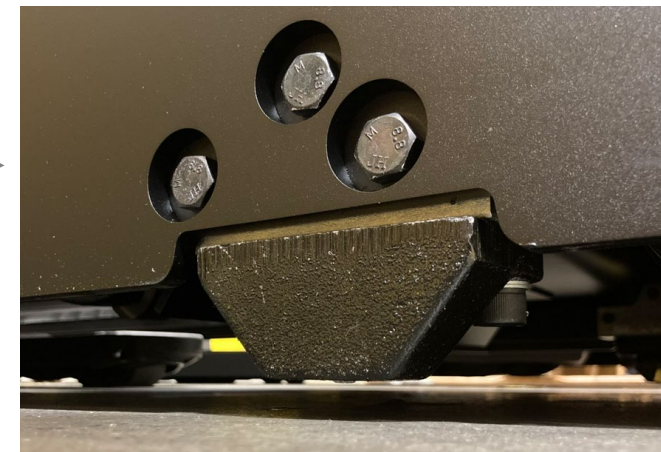
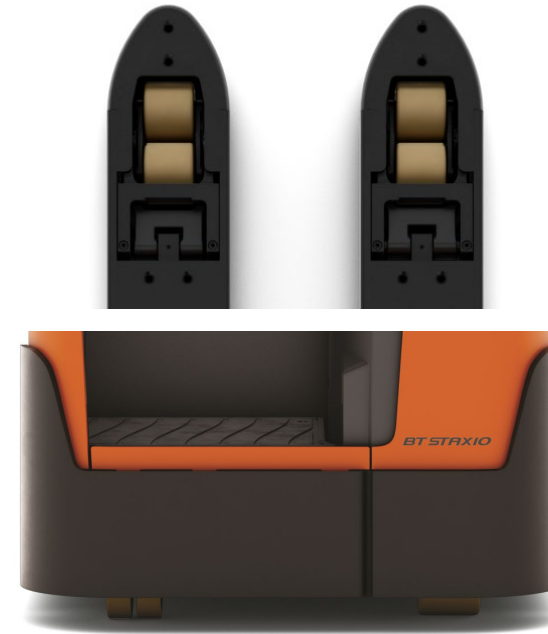
## 4-wheel configuration

### Features

- 4-wheel configuration
- Drive wheel on the right side
- Adjustable twin castor wheel
- Spring-loaded castor wheel (LSI200)
- Single or Bogie fork/support arm wheels
- Support studs are standard on SSI160LN with lift heights above 3700 mm. Stud ground clearance is 12 mm. —————>

### Benefits

- 4-wheel configuration for best stability
- Support studs on SSI160LN enables high speed and residual capacities





# Wide range of drive wheels

## Features

- Depending on the application different drive wheels are available:
- Friction – High friction (not on SSI160LN)
- Prime – Heavy-duty and allround (known as Vulkollan)
- Prime Quartz – Prime mixed with sand

## Benefits

- All possibilities to customize to customer conditions



92 mm  
ø250 mm

	Prime	Prime Quartz	Friction
Normal	😊 (R)	😐	😊
Heavy Duty	😊 (R)	😐	😞
Cold store	😐	😐	😊 (R)
Wet and slippery floors	😞	😊	😊 (R)
Floors sensitive to marks	😊	😞	😊
Fish industry and similar	😐	😊 (R)	😊



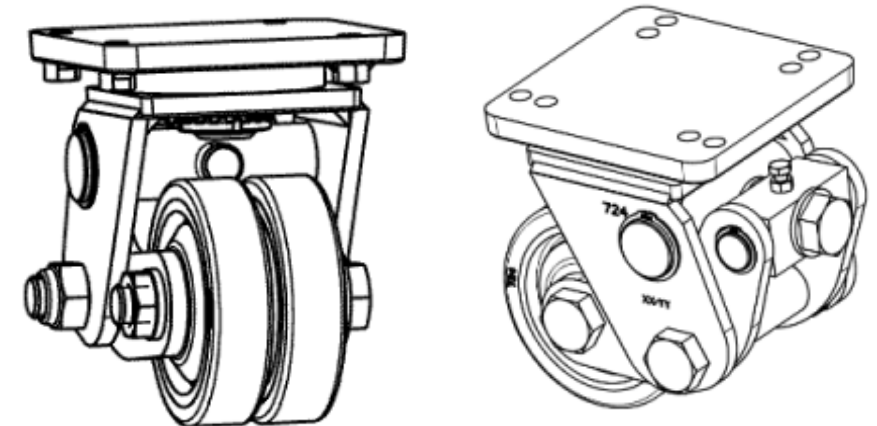
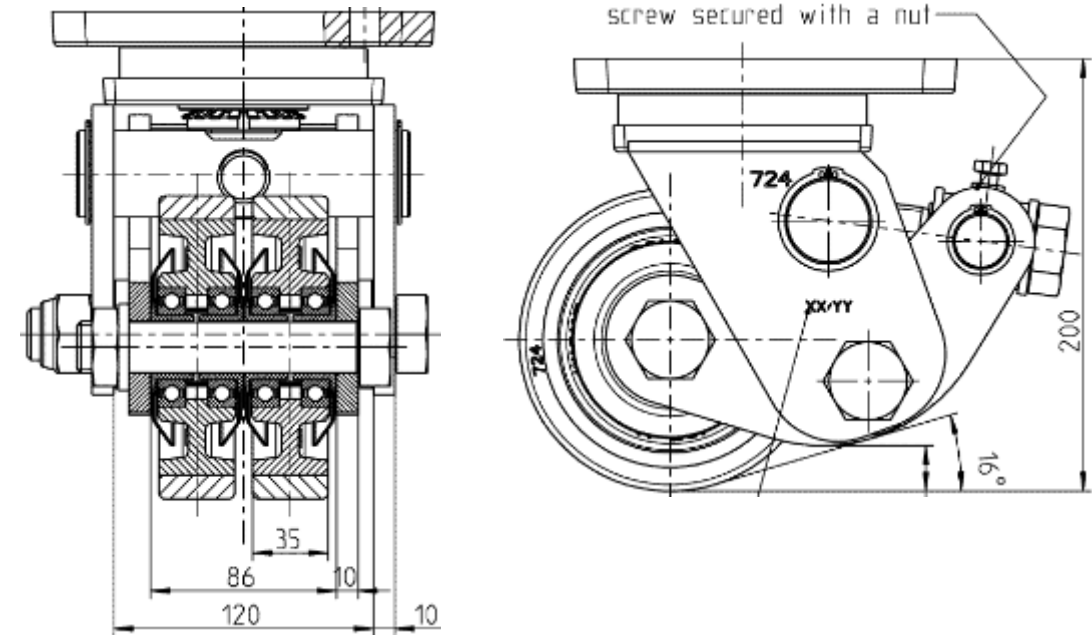
## Adjustable castor wheel

### Features

- Adjustable twin castor wheel
- Vulkollan 92 Shore A,  $\varnothing 140 \times 35$  mm (x2)

### Benefits

- The adjustable twin castor wheel reduces the shear in the wheel when turning. This results in reduced wear and improved driving characteristics, but also an increased lateral stability. For longer fork lengths,  $\geq 1590$  mm on LSI200, it improves the lateral stability vs the spring-loaded one and will at the same time adapt to ramp driving in a good way. If the application is pure horizontal transport on good floor conditions, then the adjustable castor wheel can always be recommended.







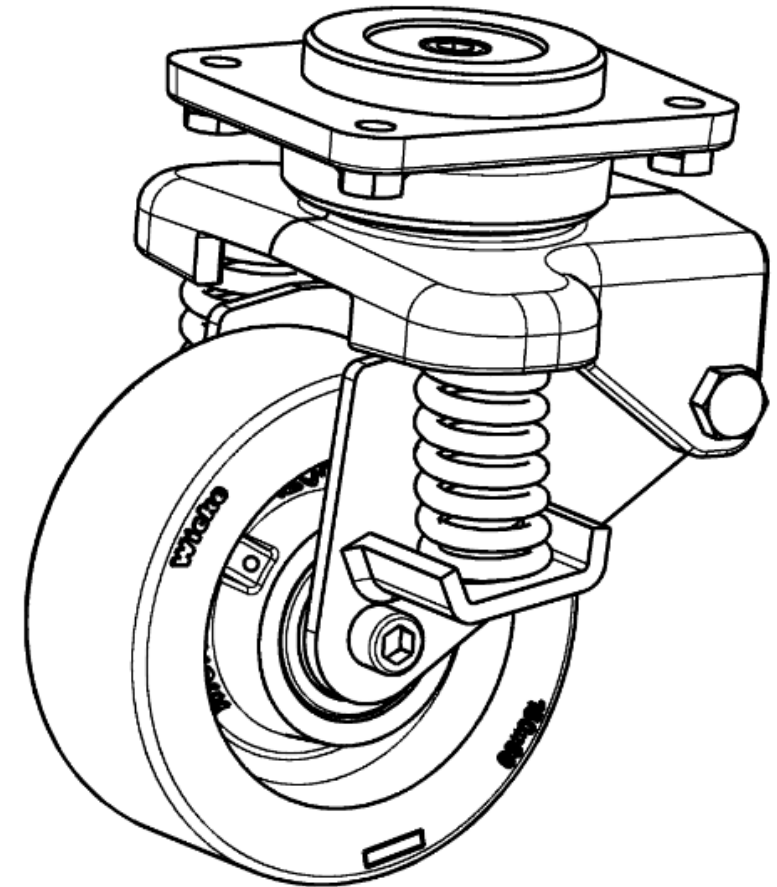
## Spring-loaded castor wheel

### **Features**

- Spring-loaded castor wheel
- NDIIthane® 92 Shore A, ø150 x 60 mm

### **Benefits**

- Reduces the amount of shock and impact load on the truck
- Adjusts to the rough or uneven floor and driving on ramps, in a beneficial way in terms of accessibility.





## Wide range of fork wheels

### **Features**

- Standard bogie fork wheel
- Heavy Duty single fork wheel (only on LSI200)
- Heavy Duty bogie fork wheel
  - HD wheel has a harder Prime material that has better heat resistance in combination with improved sealing and a re-designed steel hub

### **Benefits**

- HD wheel offers a longer lifetime. Especially in applications with heavy loads and long horizontal transports
- Boogie for easy climbing on uneven surfaces and heavy loads
- The single wheel provides good manoeuvrability and facilitates easy positioning of the forks during long side handling of pallets.



ø85 mm





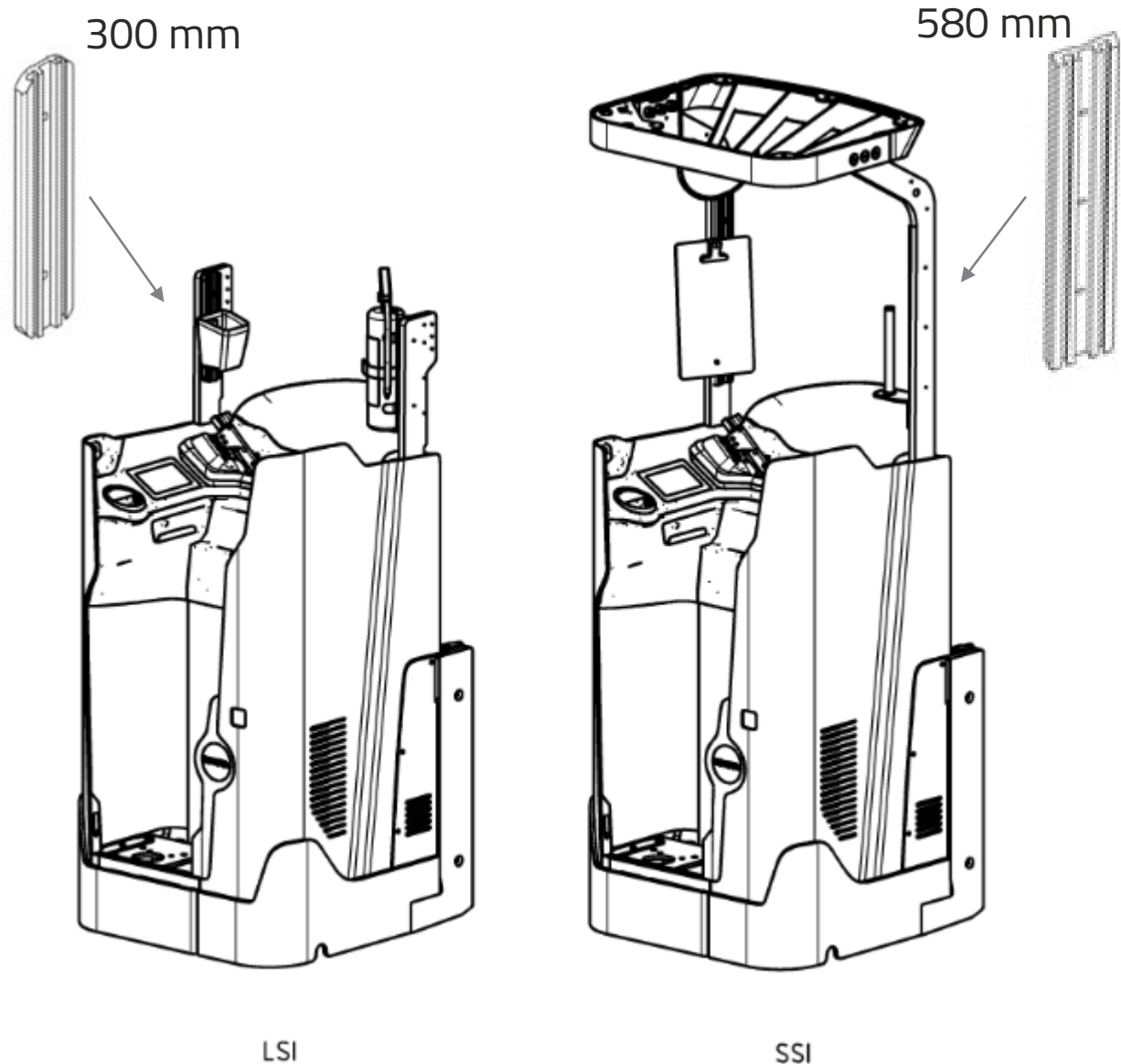
## Vertical E-bar

### Features

- The E-bar facilitates a flexible, simple and elegant installation of accessories such as computer equipment (WMS System), keyboard, scanner, writing table etc.
- Robust design for strong fixation
- In close connection to the power outlet
- Placed on robust pillars
- Can be booked on Left and/or Right side

### Benefits

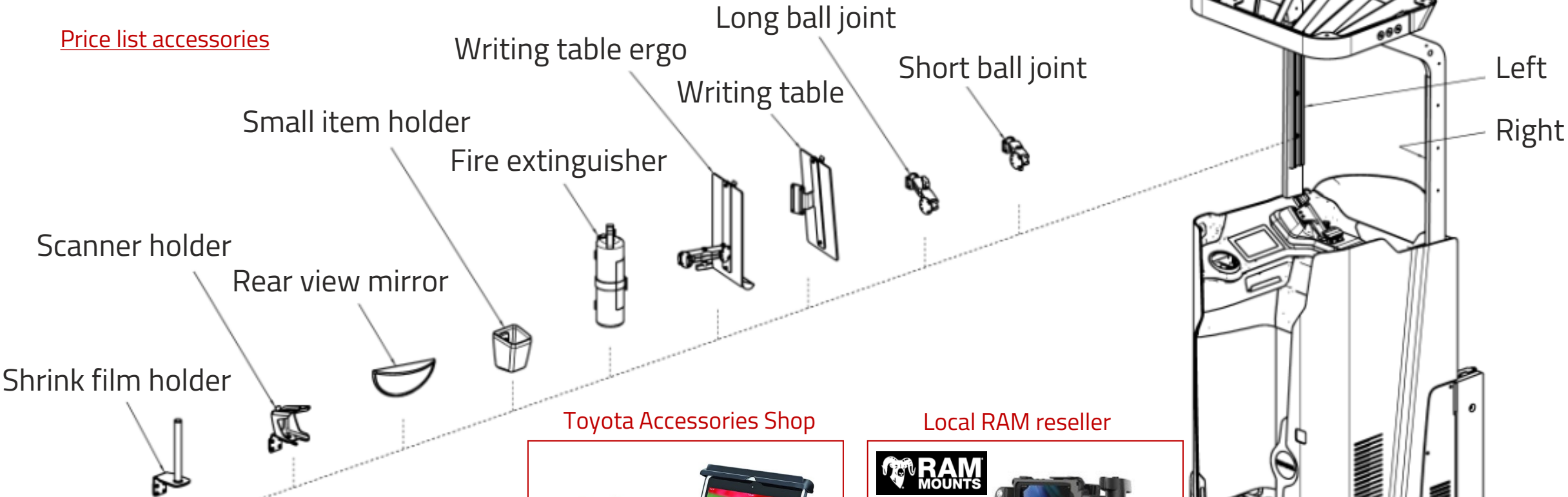
- Accessories are easily accessible from the driver position
- Accessories can be fixed with standard brackets
- Safe fixation also for tough applications





# E-bar accessories

Price list accessories



E-Bar recommendation table  
Levio Staxio S

Toyota Accessories Shop



Local RAM reseller



# Other features





## Reduced speed with lowered forks/support arms

### Features

- Driving speed will be reduced when the forks or support arms are in lowered position. Normal speed can be achieved when the support arms are raised approximate 10-15mm
- Activated through service parameter #239 and #240 or pre-set from factory.

### Benefits

- This option is to encourage the driver to rise the forks to reduce the wear of the fork linkage and also reduce sound from the machine



### Procedure:

1. When the forks or support arms are completely lowered the truck will get reduced speed according to parameter #239. The icon for reduced speed is displayed.
2. Press the lift button.
3. The truck will enable the normal set speed.

## Soft Stop Lowering (Standard on SSI160LN)

### **Features**

- When the forks are lowered completely, they will automatically slow down the last bit and land softly on the support arms. This is done by means of an inductive sensor that will recognize the fork carriage and command the main system to decelerate the lowering.
- Parameter #367 sets the soft stop lowering speed as percentage of max lowering speed

### **Benefits**

- The function enables a smooth, silent and controlled handling while lowering the load to the ground. This feature can help to prevent very fragile goods being damaged thanks to the soft behavior just before the pallet hits the ground. It will also reduce the peak noise level. For instance, when empty forks land upon support arms the peak noise is reduced with ~25dB





## Design for Service

### Features

- Easy access to components for repair and maintenance work
- Flexible lift jack positioning
- Dedicated lifting points
- Improved access to hydraulic unit for easy filter exchange
- Drive wheel bolts access
- Known components from other models
- CAN-connection from outside
- Service interval 1 000 hours

### Benefits

- Easy and quick maintenance

