

BT lifter

0.75-3.0 tons
Hand Pallet Trucks and Stackers





BT Lifter – *the complete range of hand pallet trucks and stackers that stand the test of time*

Built on the core values of Durability, Simplicity and Environment, the BT Lifter complete range of hand pallet trucks and stackers has been setting high standards in reliability and performance for over 60 years.

The BT Lifter leaves no doubt as to its unequalled durability in time. Lasting up to five times longer than other brands in work-cycle tests, the BT Lifter offers by far the lowest lifetime cost.

Simplicity of use is also central to the design of the BT trucks, allowing people to move goods safely and with minimum effort. For heavier-loads, the range offers models with easy-start facility as well as electrically-powered trucks.

TMHE is committed to minimising environmental impact through sustainable material handling. This is reflected in the care with which trucks are built: engineered for a long operating life, they reduce renewal rates and therefore, the need and cost linked to truck disposal.

The BT Lifter **L-series** of low lifting hand pallet trucks has been designed for horizontal pallet transport, loading/unloading lorries and order picking. With load capacities of up to 3 tonnes, these versatile trucks can easily be customised to suit a great variety of material handling needs, amongst which operations in corrosive and hygienic environments. They are also convenient for numerous load carriers.

The innovative BT **Pro Lifter L-series** offers significant innovation by majorly facilitating the operator's work: thanks to its BT Pro Start technology, up to two-thirds less effort is required to move the load.

The BT Lifter **H-series** hand-truck with lift height of over 80 cm as an extra feature makes it usable as a work table next to production lines. The electric lift model with optional automatic height adjustment is the ideal ergonomic workstation at the end of conveyor lines or in process environments.

The BT Lifter **S-series** is a light-duty pallet truck and stacker made for low frequency stacking up to 1.6 metres. Perfect for use in small stores and shops, this compact machine is also ideal for block stacking, racking, or as a work-table.

For any special application requirements, the BT Lifter range can be customised at our factory following our Toyota Production System (TPS) quality process.



A long, reliable working life

Our trucks are designed for a long lifetime of safe, reliable service. In carefully controlled and continuous tests we have measured how many work cycles can be accomplished by a BT Lifter. Comparable tests have shown that most hand trucks wear out and need to be replaced up to five times to carry out the same amount of work.

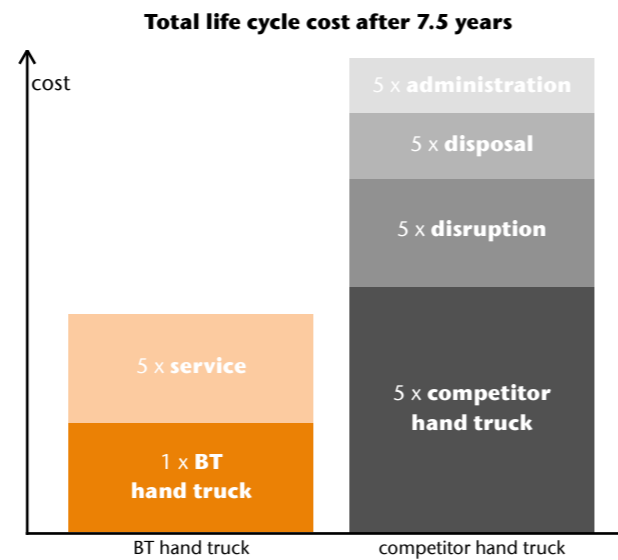
Lifetime guarantee

So confident are we in the results of these tests that we provide a unique guarantee. The BT Lifter LHM230 comes with a lifetime (99-year) guarantee on the fork frame – a clear demonstration of our commitment to durability

Direct commercial benefits

The long, guaranteed working life of a hand truck from BT gives direct commercial benefits. However low the cost of alternative hand trucks, the reality is that they are likely to be replaced up to five times during the life of a single BT unit which demonstrates the economic advantages of choosing BT. We achieve these outstanding levels of quality and durability by combining our 60-year commitment to the manufacture of quality hand trucks with the benefit of the Toyota Production System philosophy.

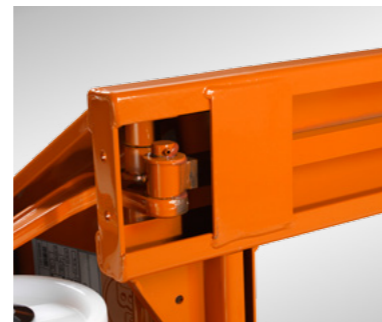
The result is evident. Trustworthy, reliable hand trucks that save you money



LHM230's robust welded tow bar increases uptime and reduces product life cycle costs



LHM230's solid steel push rods improve maintenance and increase uptime



LHM230's robotized chassis welding points increase durability



Robust LHM230 fork tips with high strength folded steel

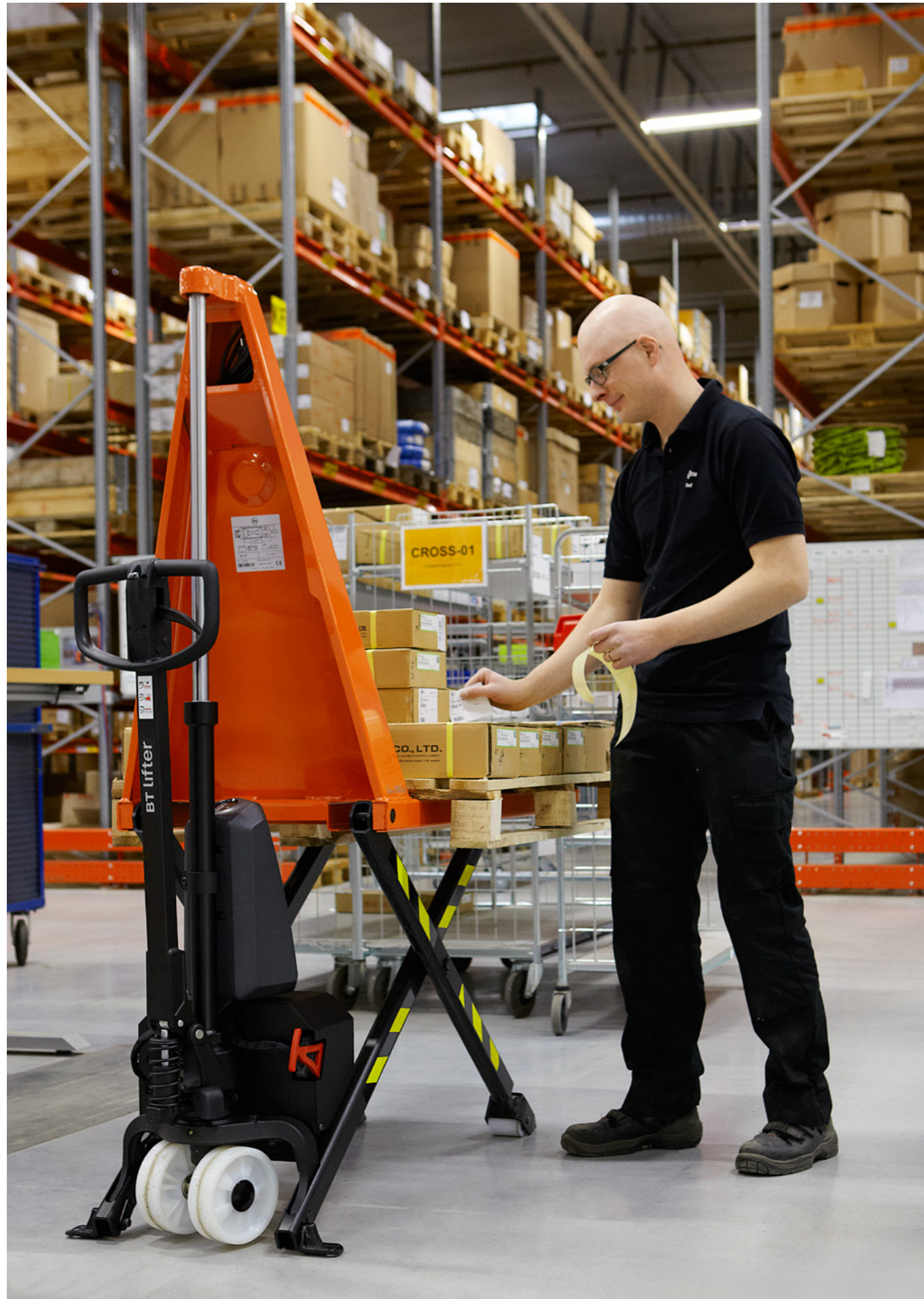


LHM230's climber wheels eliminate fork wear and ease pallet entry and exit



10/12 grease points for longer working life of the LHM230, reduced wear and effective maintenance





Ease-of-use, through innovation

BT hand trucks have evolved over decades. The control handle has been carefully designed to provide a comfortable grip without stress to the arms and hands. Innovation has been central to the development of the range.

The easy-start BT Pro Lifter

Recent innovations include the unique BT Pro Lifter, which makes getting a heavy load moving easy. By simply engaging the manual control lever, the steering arm provides leverage to get the load in motion, reducing effort by up to 67%.

Motorized load movement

For nearly effortless movement of goods, the BT Pro Lifter M has an electric motor built into the main wheel. This means that loads of up to one ton can be moved at the touch of a button.

Quick-lift models

BT Lifters are available with ‘quick-lift’ specification, which means that it takes just two strokes of the pump unit to elevate the load. The easy-start BT Pro Lifter is also available as a quick-lift model.

Weigh the load on the move

BT Lifters L-series are available as both a ‘weight indicator’ version, offering +/-20 kg accuracy, and a full legal-for-trade ‘scale’ truck that allows accurate measurement of loads during the handling process. An optional printer means documentation can be produced at the point of weighing.

High Lifter trucks

With 800 mm lift heights, BT High Lifter models not only move loads quickly and easily, but they can elevate loads to a comfortable height for load transfer, or to function as a height-adjustable work table. Electric lift and Inox/PhotoCell models are also available.

Ultra low

BT’s Ultra Low Lifter models LHM100UL and LHM100ULF have a minimum fork height of just 38 mm, making it ideal for applications using low-clearance pallets and load ledges to maximize space, whether with double or single forks.

Performing in Silence

With an operating noise lower than 60 dB, the BT Silent Lifter is ideal in after-hour deliveries and residential areas. The LHM230SI wears the Quiet Mark label since 2012 and is PIEK certified.

For wet/ corrosive/hygienic environments

Made of long-lasting high-grade stainless steel, the BT Lifter LHM200ST is perfect for use in corrosive environments and application that require a high level of hygiene. The galvanised BT Lifter LHM230G can be used in semi-wet environments.



The BT Pro Lifter LHM230P reduces starting force with 67%



Frame, push rod, axles and fork wheel bearings made of stainless steel give the LHM200ST reliability and a long life



The BT High lifter may be used as a working table, making goods handling more comfortable



The LHM230SC’s weighing scale allows accurate measurement of loads during the handling process

Our commitment to the environment

Low environmental impact during product life cycle

The BT Lifter is manufactured in TMHE's production centre in Sweden - ISO 14001 certified. The manufacturing process respects the Toyota Production System (TPS), resulting in quality products, high efficiency, low energy consumption, low waste output, and no toxic pollutants. The factory produces standard hand pallet trucks and fully customised models.



Environmental calculation

In any typical life cycle five other hand pallet trucks would be required to do the work of one BT Lifter:
 = 5 x less manufacturing process
 = 5 x less distribution
 = 5 x less disposal cost
= 5 x less negative environmental impact

Eco-label

The BT Lifter LHM230 carries the ECO label, which demonstrates TMHE's commitment to minimising the environmental impact of its hand trucks by following the ISO14020 type II certification.



Noise levels and the environment

In some situations the noise associated with moving goods can be a problem. This can typically occur in urban areas where, for example, daily goods deliveries take place late at night or early in the morning. The BT Lifter Silent addresses this problem, by ensuring that noise levels do not exceed 60 dBA, or the noise of two people in normal conversation. The BT Lifter Silent wears the Quiet Mark label recognition for being among the quietest and hence most environmentally conscious products in the industry.



Materials handling for Europe

Toyota Material Handling Europe (TMHE) has a strong European presence with its Toyota and BT brands, establishing close geographic links with its customers in order to better respond to their needs. TMHE has operations in more than 30 countries, and production centres in Ancenis (France), Bologna (Italy) and Mjölby (Sweden).

Toyota Production System

The Toyota Production System (TPS) empowers team members to optimize quality by constantly improving processes and eliminating unnecessary waste of resources. TPS includes a common set of knowledge, values and procedures, entrusts employees with well-defined responsibilities in each production step, and encourages each staff member to strive for overall improvement. Today, TPS is the acknowledged reference among automotive manufacturers and related industries. Our methods enable businesses to achieve sustained gains in productivity while satisfying customer expectations for quality and reliability.

Research & Development

Toyota Material Handling Europe benefits from Toyota's vast experience in the automotive industry, especially in engine development. By taking full advantage of the group's massive R&D facilities and engineering expertise, Toyota has developed a number of world-class technologies. Intelligent use of electronic and computer controlled devices has also made a significant contribution to creating more ergonomic and user-friendly operator environments, contributing to safety in the workplace.

Empowering your business

Our services and solutions are designed to provide different levels

and types of support in response to individual customer's needs. This approach gives our customers the power to focus on their core business.

Our commitment to the environment

TMHE believes that getting the job done should never be at the expense of our environment. Our long-term commitment is to develop and deliver environmentally friendly and economically viable materials handling solutions that respect present and future energy needs. TMHE strives to reduce environmental impact throughout the product life cycle, from design, manufacturing and operation through to recycling at end-of-life. TMHE's production centres are all ISO 14001 certified. A declaration of the emissions and waste during the manufacturing process and typical life cycle is available on request.

With its emphasis on eliminating waste, TPS also helps to reduce the environmental impact of our manufacturing activities. CO₂ emissions, water consumption, waste-water generation and landfill quantities have all been reduced, while recycling levels for packaging, water and scrap have been raised. Hazardous substances and air pollutants have also been reduced. Moving towards the creation of a recycling-oriented society, TMHE seeks to continuously improve the recyclability levels of its products.

A complete range

BT Lifter L-series LHM230 ^{1,2)}
 When everyday performance is required
 The standard BT Lifter has a lift capacity of 2300 kg.



BT Lifter L-series LHM230U ¹⁾
 When handling low pallets
 The BT Lifter LHM230U has a 75 mm fork height and a maximum load capacity of 2300 kg.

BT Lifter L-series LHM300
 When the heaviest goods need to be moved
 The BT Heavy Lifter, with its lift capacity of 3000 kg, can handle the heaviest loads.

BT Lifter L-series LHM100LF
 When handling low profile load carriers
 The BT Lifter is designed to operate with low-clearance pallets. It comes with fork height of only 38 mm and single fork design. Maximum lift capacity 1000 kg



BT Lifter L-series LHM230SI
 For 'after-hours' deliveries
 The BT Lifter Silent operates with a noise level that does not exceed 60 dBA, making it perfect for applications such as early morning and night deliveries in residential areas. Maximum lift capacity 2300 kg



BT Lifter L-series LHM100UL
 When handling low profile load carriers
 The BT Lifter Ultra Low is designed to operate with low-clearance pallets and disposable pallets, which are increasingly common in containers which have been loaded by conventional forklifts. Maximum lift capacity 1000 kg



BT Lifter L-series LHM200L / LHM200Z
 When handling carriers with low tunnel clearance
 The BT Lifter LHM200L/Z offers 55/65 mm fork height to enter low pallet tunnel. Maximum load capacity 2000 kg

Custom designs
 When your application has unique requirements
 We can meet them. All modifications done at our factory.



Personalisation
 When wanting to personalise your trucks
 Coloured or stamped for security, area of use, or for company branding. We do it

BT Lifter L-series LHM075H
 When handling different types of half pallets
 The BT Lifter has a maximum lift capacity 750 kg



BT Lifter L-series with scale LHM200SC
 When the load weight needs to be measured
 The BT Lifter with scale is designed to provide high-accuracy weighing during the handling process. Maximum lift capacity 2000 kg



BT Lifter L-series with weight indicator LHM230WI
 For applications in which +/-20 kg accuracy is acceptable.
 The BT Lifter has a maximum lift capacity of 2300 kg



BT Lifter L-series LHM200ST
 When operating in corrosive or clean environments
 The BT Stainless Lifter is intended for corrosive environments and applications that demand a high standard of hygiene. Its structure is long-lasting high-grade stainless steel. Maximum lift capacity 2000 kg



BT Lifter L-series LHM230G
 When operating in semi-wet environments
 An economical alternative to the Stainless Lifter for 'semi-wet'-environments. Maximum lift capacity 2300 kg

BT Pro Lifter L-series LHM230P
 When the starting force needs to be minimal
 The BT Pro Lifter requires up to 67% less force than a standard hand pallet truck to start moving when loaded. Maximum lift capacity 2300 kg



BT Pro Lifter L-series LHT100
 When close to effort-free travel is required
 The BT Pro Lifter features an electric drive motor for powered travel in either direction. Maximum lift capacity 1000 kg



BT Lifter H-series HHM100
 When an ergonomic workstation is required
 BT High Lifter models offer hand-truck versatility with the extra feature of a lift height of over 800 mm. Maximum lift capacity 1000 kg



BT Lifter H-series HHL100
 When an ergonomic workstation is required
 The electric lift model of the BT High Lifter is the ideal ergonomic workstation. Add the optional automatic height adjustment for effort-free automatic lift/lower, keeping the top of the load at the same height, for easy working and picking. Maximum lift capacity 1000 kg



BT Lifter H-series Galvanized/Inox HHM100I / HHL100I
 When an ergonomic workstation is required in corrosive clean environments
 The BT High Lifter Inox intended for environments and applications that demand a higher standard of hygiene and where corrosion can occur. Its structure is long-lasting high-grade stainless steel. Maximum lift capacity 1000 kg



BT Lifter S-series SHM080 / SHL080
 When needing to stack loads
 The BT stacker is ideal for small stores. Maximum lift capacity 800 kg, maximum lift height 1600 mm. The SHL080 version features electric lift.



Choose the features that suit your needs

● standard ○ option

	LHM 230	LHM 230U	LHM 300	LHM 100UL	LHM 100LF	LHM 200L	LHM 200Z	LHM075H	LHM230P	LHT100	LHM 230SI	LHM 200ST	LHM 230G	LHM 200SC	LHM 230WI	HHM100	HHL100	HHL100PH	HHM100I	HHL100I	SHM080	SHL080
Truck features																						
Automatic height adjustment																						
Bogie fork wheels	○	○	●	●	●	●	●		○	○	●	○	○	○	○							
Choice of chassis/fork widths	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Choice of fork lengths	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Choice of wheel materials/types	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Climber wheels*	● ¹	● ¹				● ¹	●	●	● ¹	● ¹	● ¹	● ¹	● ¹	● ¹	● ¹							
Overload limitation version	○	○	●	●	●	○	○	○		●	○		○		○	●	●					
Quick-lift version	○	○		●	●	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○
Markers on the forks**	● ²	● ²							● ²	● ²	● ²	● ²	● ²	● ²	● ²	● ²						
Safety features																						
Foot protection										●												●
Automatic parking brake										●												
Emergency collision button										●												
Emergency stop/cut-off										●												●
Driving features																						
BT Lowering Control (BLC)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
180° steering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Electronic braking system										●												
Electronic speed control										●												
Support wheels	○					○	○			○												
Controls and instruments																						
Electronic fingertip controls										●									●	●	●	●
Tiller arm steering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Weighing scale with optional printer														●								
Weight indicator															●							
Accessories																						
Handbrake	○	○	○					○	○						○	○	○	○	○			
Load support	○	○						○	○	○	○											
Parking brake	○	○	○					○	○	○	○	●			○	○	○					●
BT Parklock	○	○				○	○	○	○	○												●
Stackerstop	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Pen and paper holder	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Maintenance features																						
Lubrication points	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Battery management features																						
Battery change facility																						
Battery status indicator										●												
Built-in charger										●												
Special applications																						
Coldstore oil	○	○	○					○	○	○			●	○						●	●	
Wet specification version	○	○																				
Corrosive environment version													●	●						●	●	
Reel/drum handling	○	○	○							○												
Tow Train / Conveyor version	c	c																				
Low noise version											●											

1) Standard on single fork wheels
 2) Standard on 1150 mm fork models
 C) Customisation

How to choose the right wheel type

- Nylon** An easy-rolling wheel on hard floors. Hard and durable; the best choice when the load is heavy
- Rubber** Quiet and provides good grip on wet/slippery floors
- Steel** Suitable for heavy industry. Easy-rolling wheel that resists damage and dirt and has a very long life
- Powerthane** Combines noiseless travel with high wear resistance
- Polyurethane** Softer and quieter in use than nylon



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TOYOTA

MATERIAL HANDLING