



Product Information

BT Radioshuttle System

High Density Storage Systems

Maximum use of warehouse volume, while maintaining flexibility and handling capacity — the concept of BT Radioshuttle.

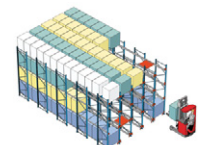
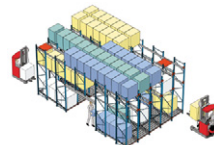
Electrically powered load carriers conveying goods in and out of deep storage tunnels within specially designed racks. Each unit has rechargeable batteries, is operated by wireless remote control, and can be quickly and easily transferred between different storage tunnels by a conventional fork lift truck.

The system provides ultra-high density storage with individual access to each storage tunnel.

- While the BT Radioshuttle transports the load within the racking the truck driver is free to work elsewhere.
- Different types of goods can be stored in different tunnels in the racking system.
- Built-in wheels with large diameter and vulkollan surface. Smooth and silent ride with low surface pressure.
- Easy battery change. The batteries can be charged on board or outside of the shuttle. Ideal for coldstore and 3-shifts operations.
- Can be handled by all types of fork lift trucks.
- Several Radioshuttles can be handled from one radiotransmitter.
- One set of batteries, one battery charger, one radio transmitter and an aerial with truck cassette (max. 24 V) are included in the delivery.
- Combi version for handling two different pallet sizes.
- Cold store version down to -30°C.
- Ability to handle the pallets FiFo, with or without reorganization of the pallets, or FiLo.

Options

- Radioshuttles for different pallet sizes.
- Many possibilities to organize the racks, e.g. order picking tunnel in combination with gravity flow, mezzanine construction and truck- or emergency aisle.

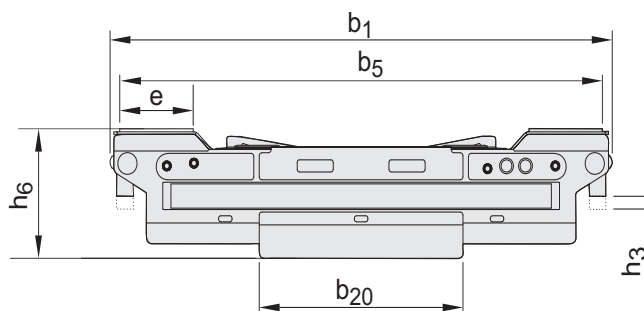
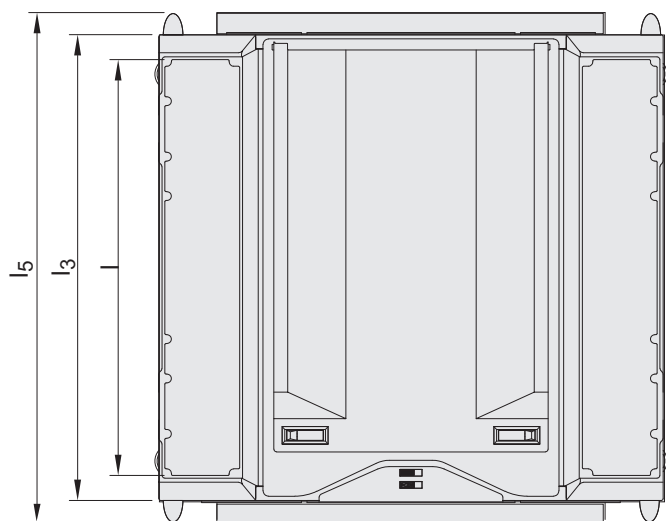


Technical Details		RS 10	RS 15
Power unit		electrical, battery	electrical, battery
Operating type		shuttle	shuttle
Rated capacity	kg	1000	1500
Travel speed, without/ with rated load	m/s m/s	0.95/ 0.65	0.65/ 0.65
Drive motor	kW/rpm	0.16/182	0.16/182
Lift motor	kW/rpm	0.16/27,5	0.16/27,5
Battery			
Battery, type		gel-acid lead battery	gel-acid lead battery
Battery capacity	V/Ah	24/50	24/50
Charging time	h	<8	<8
Battery weight	kg	2 x 24	2 x 24
Battery charger			
Charging rate	V/A	24/15	24/15
Power supply	V/A	230/10	230/10
Remote control			
Type		radiotransmitter	radiotransmitter
Frequency	MHz	433	433
Power supply	V/mA	12—24 DC/100	12—24 DC/100

Dimensions, mm		RS 10	RS 15
h ₃	Lift height	21	21
h ₆	Chassis, height	213	213
h ₁₁	Lift height, pallet	10	10
e	Fork width	135	135
b ₁	Chassis, width	1024	1024
b ₅	Width across fork	988	988
b ₂₀	Fork channel	450	450

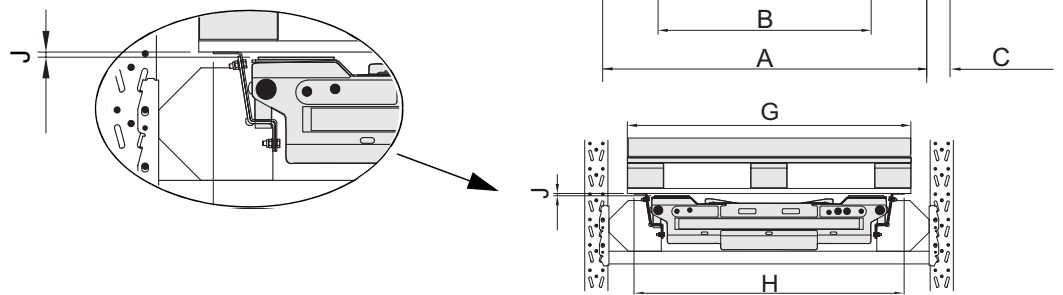
Dimension — depending on pallet size			RS 10 / RS 15		
	Pallet size	mm	1200 x 800	1200 x 1000	1200 x 1000/800
l ₃	Chassis, length	mm	840	1040	1040
l	Fork length	mm	750	950	950
l ₅	Chassis, length, incl bumpers	mm	920	1120	1120
	Weight without battery	kg	168	180	180

Truck performance and dimensions are nominal and subject to tolerances.
BT Products AB products and specifications are subject to change without notice.



Frontview levels racking system

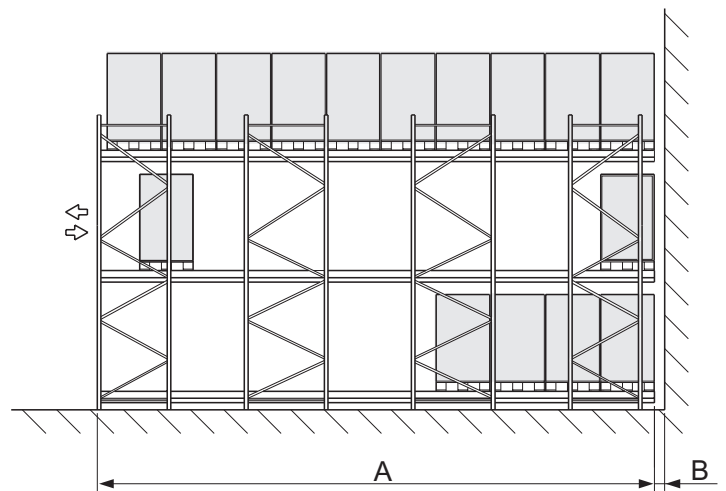
- A Section dimension: 1350mm
(other dimensions possible)
- B Free dimension between rails: 922mm
- C Upright width 90mm or 110mm
- D Lowest level above floor 300mm
- E Pallet height
- F Minimum distance between the pallets = 300mm
- G Pallet width = 1200mm
- H Width over rail = 1148mm
- J Clearance = 9mm



Sideview — depth of channel FiLo

(first in, last out)

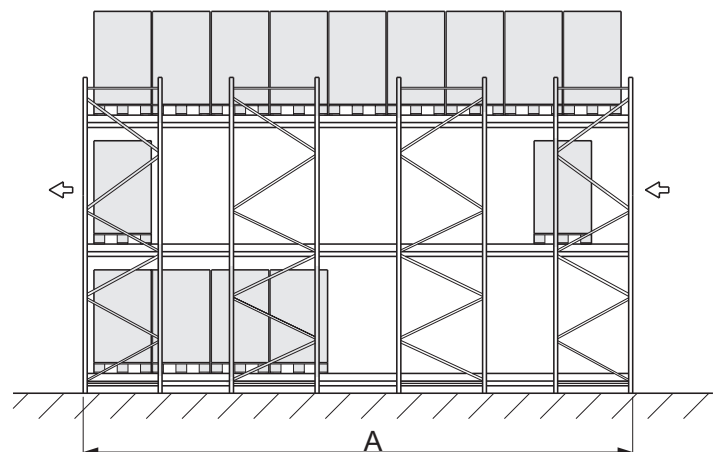
- A Depth of channel $300\text{mm} + (n \times (\text{pallet depth} + 20\text{mm}))$
- B Free space behind racking 150mm



Sideview — depth of channel FiFo

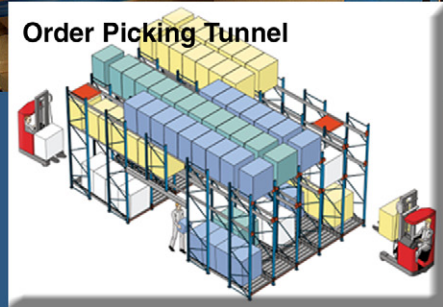
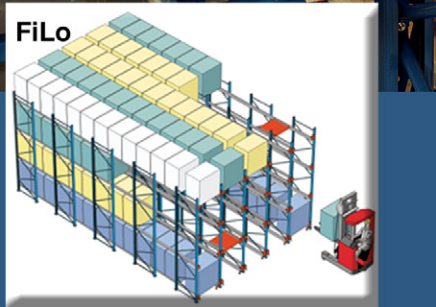
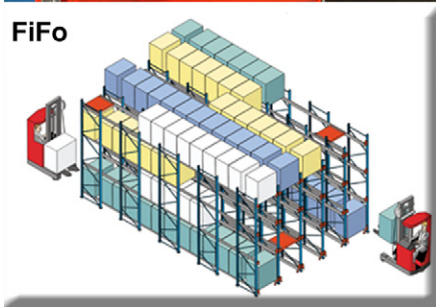
(first in, first out)

- A Depth of channel $300\text{mm} + (n \times (\text{pallet depth} + 20\text{mm})) + 300\text{mm}$





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