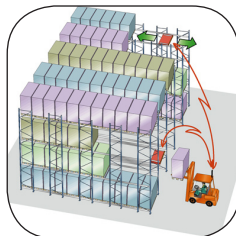


High density storage systems

BT radioshuttle

RS150



TOYOTA

MATERIAL HANDLING

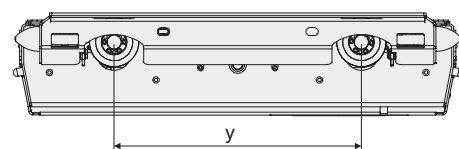
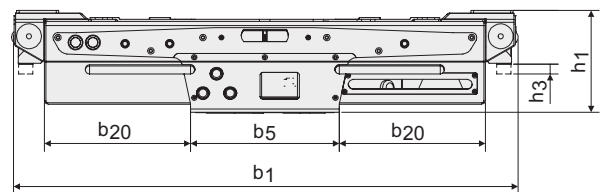
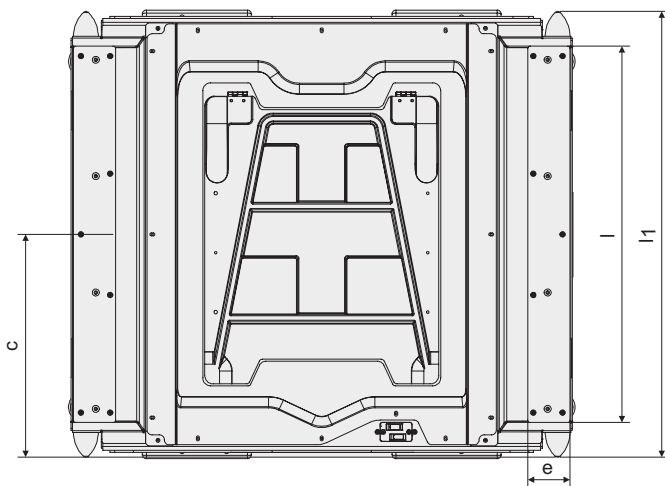
stronger together

High density storage system

| Shuttle specifications | | | | | RS150 | | |
|------------------------|------|---|----------|-------|------------------------------------|---------------------|---------------------|
| Pallet size* | | | | mm | 800x1200 | 1000x1200 | 1200x1200 |
| Identification | 1.2 | Model | | | RS150 | RS150 | RS150 |
| | 1.3 | Drive | | | Electric | Electric | Electric |
| | 1.4 | Type of operation | | | Rail guided shuttle | Rail guided shuttle | Rail guided shuttle |
| | 1.5 | Load capacity/rated load | Q | kg | 1500 | 1500 | 1500 |
| | 1.6 | Load centre | c | mm | 450 | 550 | 650 |
| | 1.9 | Wheel base | y | mm | 500 | 700 | 900 |
| Weight | 2.1 | Service weight including battery acc to 6.5 | | kg | 220 | 250 | 280 |
| Wheels | 3.1 | Drive/support wheels | | | Polyurethan | Polyurethan | Polyurethan |
| | 3.2 | Wheels size, front | | mm | 100 | 100 | 100 |
| | 3.3 | Wheel size, rear | | mm | 100 | 100 | 100 |
| | 3.5 | Wheels, number front/rear (x=driven wheels) | | | 2/2/x | 2/2/x | 2/2/x |
| Dimensions | 4.4 | Lift height | h_3 | mm | 22 | 22 | 22 |
| | 4.7 | Overall height | h_1 | mm | 208 | 208 | 208 |
| | 4.19 | Overall length* | l_1 | mm | 900 | 1100 | 1300 |
| | 4.21 | Overall width* | b_1 | mm | 1022 | 1022 | 1022 |
| | 4.22 | Lift surface dimensions | e/l | mm | 85/760 | 85/960 | 85/1160 |
| | | Width between fork | b_5 | mm | 300 | 300 | 300 |
| | | Fork channel | b_{20} | mm | 295 | 295 | 295 |
| | | Pallet width* | K | mm | 1200 | 1200 | 1200 |
| | | Pallet length* | L | mm | 800 | 1000 | 1200 |
| Performance | 5.1 | Travel speed, with/without load | | m/s | $0,7/ \leq 1,1$ | $0,7/ \leq 1,1$ | $0,7/ \leq 1,1$ |
| | 5.2 | Lift speed, with/without load | | s | 1,5 | 1,5 | 1,5 |
| | 5.3 | Lowering speed, with/without rated load | | s | 1,5 | 1,5 | 1,5 |
| Electric motor | 6.1 | Drive motor rating S2 60 min | | kW | 0,23 | 0,23 | 0,23 |
| | 6.2 | Lift motor rating S3 15% | | kW | 0,23 | 0,23 | 0,23 |
| | 6.4 | Battery voltage, nominal capacity K_5 | | V/Ah | 24/50 | 24/50 | 24/50 |
| | 6.5 | Battery weight | | kg | 2x24 | 2x24 | 2x24 |
| Others | 8.1 | Type of drive control | | | Variable AC | Variable AC | Variable AC |
| | 8.4 | Sound level at the driver's ear acc to EN12 053 | | dB(A) | <70 | <70 | <70 |
| Radio transmitter | | Frequency | | MHz | 433 | 433 | 433 |
| | | Power supply | | V/mA | 12-24 DC/100 | 12-24 DC/100 | 12-24 DC/100 |
| | | Battery | | | 9V alkaline battery type no: 6LR61 | | |

*) Other alternatives are available

All data are based on table configuration. Other configurations may give other values.
Performance and dimensions are nominal and subject to tolerances.
BT products and specifications are subject to change without notice.

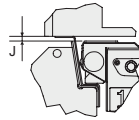
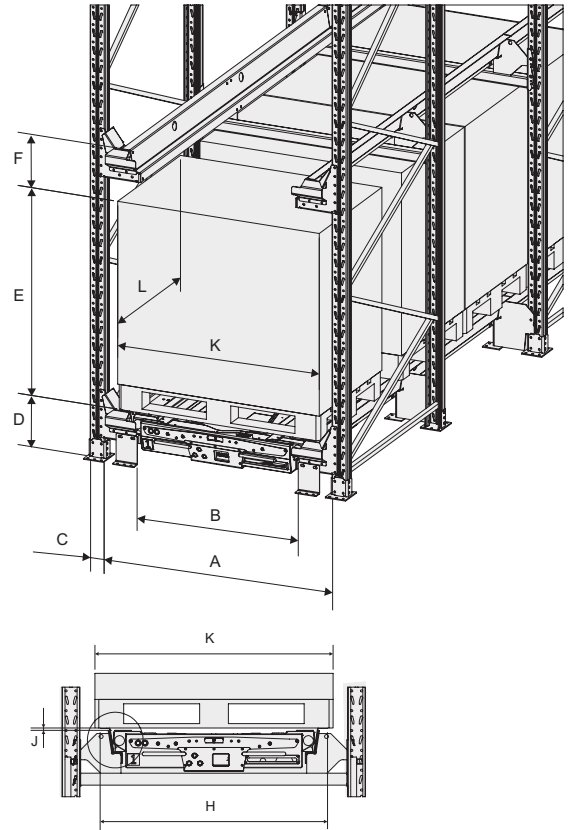


BT radioshuttle

Frontview levels racking system

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

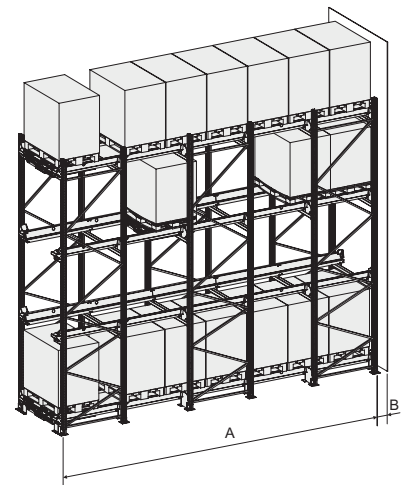
* Other dimensions possible



Sideview — depth of channel FiLo

(first in, last out)

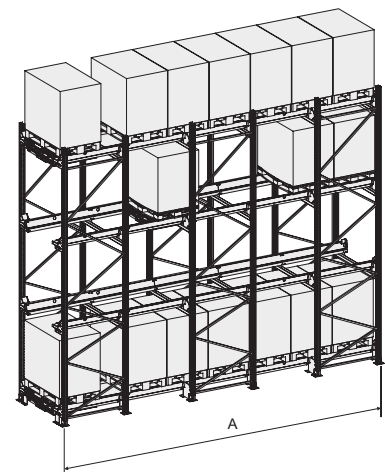
- A Depth of channel 300mm +
(n x (pallet depth + 20mm))
- B Free space behind racking 150mm



Sideview — depth of channel FiFo

(first in, first out)

- A Depth of channel 300mm +
(n x (pallet depth + 20mm)) + 300mm



Shuttle system features:

- Proven system reliability with over 15 years of experience
- Improved storage utilization (more pallets on less space)
- Enable smaller SKU sizes
- More pallet movements in less time
- Virtually no goods damages
- Superior HMI functionality
- Inventory function
- Adaptive software design
- Pallet ordering system

