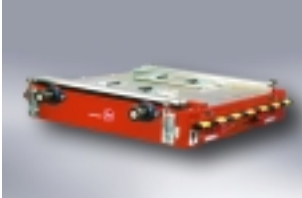




Product Information

BT Radioshuttle System



High Density Storage Systems

The BT Radioshuttle system provides ultra-high density storage suitable for unit loads. It is particularly suitable for bulk storage, and cost effective use of expensive warehouse space, e.g. temperature controlled facilities.

The concept is based upon 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 locations by a conventional fork lift truck.



- Built in sensors precisely control shuttle “parking” in the storage tunnels to ensure maximum density of storage.
- 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.
- Maximum capacity / pallet is 1200kg/2640 lbs.
- 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.



Options

- Special freezer model for Coldstore installations.
- Radioshuttles for different pallet sizes.
- Combi version for handling two different pallet sizes.
- Ability to handle the pallets FIFO (first in, first out), with or without reorganization of the pallets.

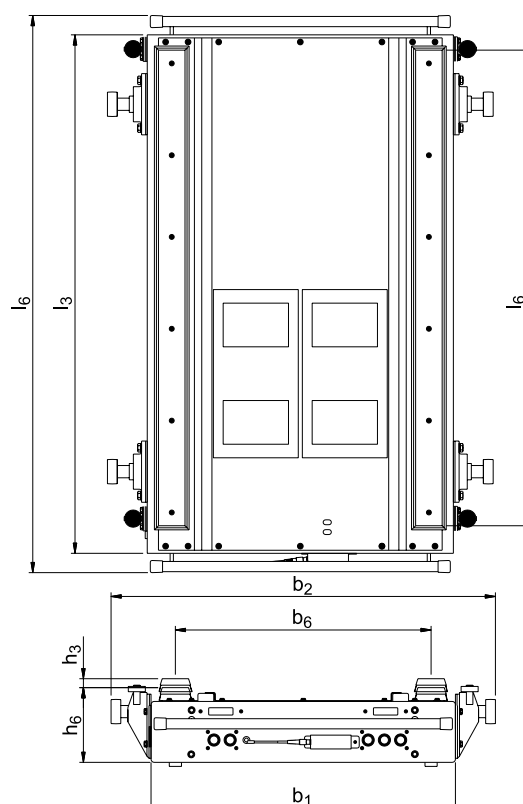
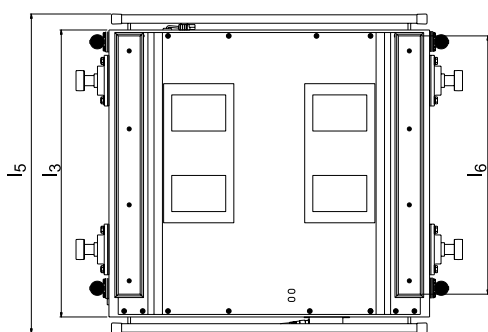


Technical Details	Unit	RS 1208	RS 1210	RS 1210C	Unit	RS 1012 US-version
Power unit		electrical, battery				
Operating type		shuttle				
Rated capacity	kg	1200	1200	900/1200	kg/lbs	1200/2640
Weight without battery	kg	140	150	150	kg/lbs	150/330
Pallet size	mm	1200x800	1200x1000	1200x800/1000	mm/in	1016x1219/ 40"x48"
Travel speed, without/ with rated load	m/s m/s	0.67/ 0.67	0.67/ 0.67	0.67/ 0.67	m/s m/s	0.67/ 0.67
Drive motor	kW/rpm	0.15/3000	0.15/3000	0.15/3000	kW/rpm	0.15/3000
Lift motor		SKF Linear actuator				
Battery						
Battery, type		gel-acid lead battery				
Battery capacity	V/Ah	24/48	24/48	24/48	V/Ah	24/48
Charging time	h	<8	<8	<8	h	<8
Battery weight	kg	2 x 22	2 x 22	2 x 22	kg/lbs	2 x 22/2x48,5
Battery charger						
Charging rate	V/A	24/25	24/25	24/25	V/A	24/25
Power supply	V/A	230/10	230/10	230/10	V/A	230/10
Remote control						
Type		radiotransmitter				
Frequency	MHz	433	433	433	MHz	433
Power supply	V/mA	12—24 DC/100			V/mA	12—24 DC/100

Dimensions, mm		RS 1208	RS 1210	RS 1210C	mm/ in	RS 1012 US-version
h_3 Lift height		22	22	22		22\55/64"
h_6 Chassis, height		198	198	198		198\7" 51/64"
h_{11} Lift height, pallet		10	10	10		10\25/64"
l_3 Chassis, length		850	1050	1050		1270\4'-2"
l_5 Chassis, length, incl bumpers		930	1130	1130		1350\4'-3" 31/32"
l_6 Lifter length		765	965	965		1165\3'-9" 55/64"
b_1 Chassis, width		950	950	950		750 2'-5" 17/32"
b_2 Chassis, width, incl. wheel		1150	1150	1150		950 3'-1" 13/32"
b_6 Lifter, width, c/c		830	830	830		630 2'-51/64"

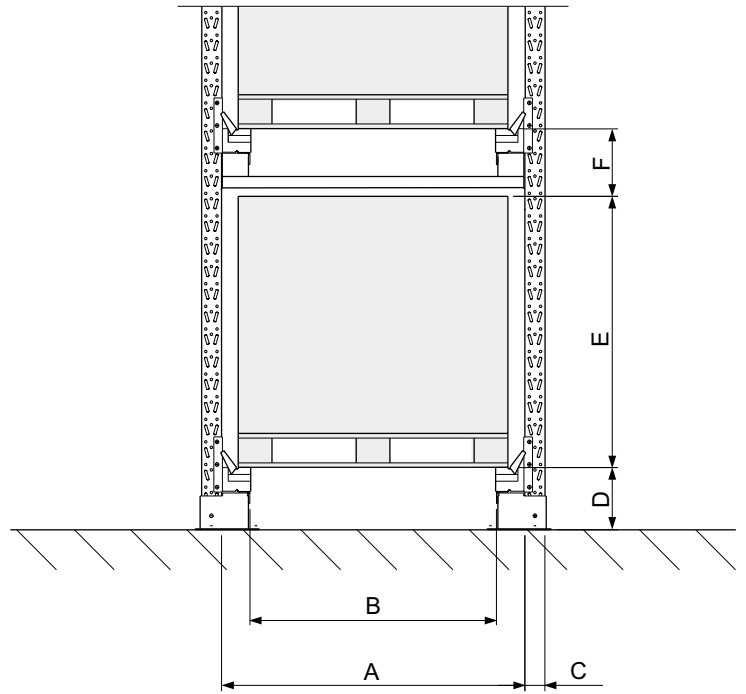
RS 1012 (US-version)

R 1208, 1210, 1210C



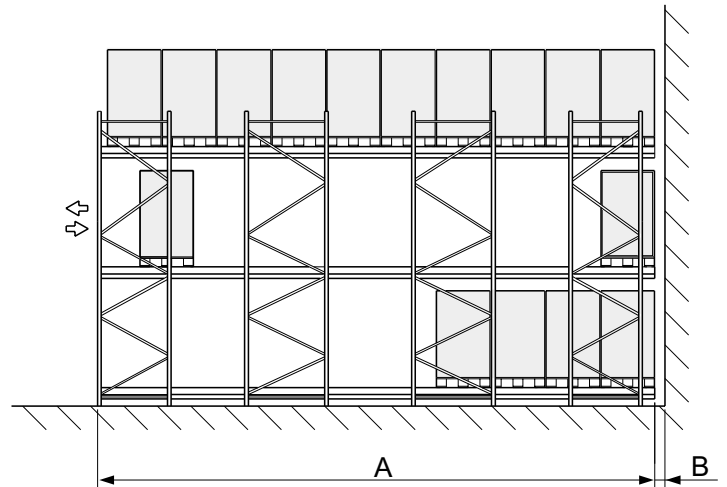
Frontview levels racking system

- A Section dimension:
 RC 1208, 1210. 1210C 1350mm
 RC 1012, US-version: 1250mm /
 4'-1" 7/32"
 (other dimensions possible)
- B Free dimension between rails:
 RC 1208, 1210. 1210C 1065mm
 RC 1012, US-version: 867mm /
 2'-10" 9/64"
- C Upright width 90mm or 110mm /
 3" 35/64" or 4" 21/64"
- D Lowest level above floor 275mm /
 10" 53/64"
- E Pallet height
- F Minimum distance between the pallets =
 300mm / 11" 13/16"



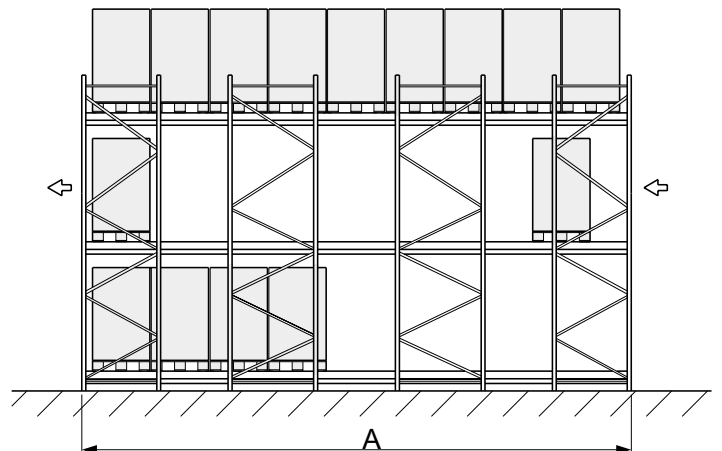
Sideview — depth of channel FiLo

- A Depth of channel 300mm +
 $(n \times (\text{pallet depth} + 20\text{mm})) /$
 $11" 13/16" + (n \times (\text{pallet depth} + 25/32"))$
- B Free space behind racking 150mm /
 5" 29/32"



Sideview — depth of channel FiFo

- A Depth of channel 300mm +
 $(n \times (\text{pallet depth} + 20\text{mm})) + 300\text{mm} /$
 $11" 13/16" + (n \times (\text{pallet depth} + 25/32")) +$
 $11" 13/16"$





The product complies with
the EC-directives



BT Industries AB
SE-595 81 MJÖLBY
Tel: +46 - (0)142/860 00
Fax: +46 - (0)142/860 80