



SMALL PARTS & SLC TRANSPORT MAX. 260 KG **rexroth**

AUTONOMOUS PRODUCTION LOGISTICS NEXT LEVEL

WITH MOBILE ROBOTS & ACTIVE SHUTTLE PLUG & GO TO FACTORY 4.0

The flow of materials in modern production plants is complex, demand locations are diverse and distances are sometimes long. More and more individualized products, a greater variety of components, and at the same time fluctuating production figures - the competitive pressure of production plants is increasing.

In this context, manual material transports are finally a thing of the past. The ActiveShuttle from Bosch Rexroth ensures the robust and fully automatically controlled, efficient transport of loads weighing up to 260 kilograms. Thanks to robust, reliable laser navigation and 3D obstacle detection, the ActiveShuttle can move freely around the plant without the need of adapting your factory infrastructure.

In practical use, compatible floor rollers with a base area of 600 x 400 mm or 400 x 400 mm are autonomously driven under and easily lifted with the integrated lifting platform. These floor rollers can be equipped with a variety of load carriers: small load carriers (SLC), blisters or other containers.

Once a fleet is implemented, the AMRs communicate wirelessly and react in time to changing environmental details and possible bottlenecks.

TYPICAL SECTORS & INDUSTRIES FOR THE USE OF THE ACTIVESHUTTLE

• **Automotive** • **Engineering** • **Electronics** • **Consumer Goods** • **Medical Technology**



FEATURES, FACTS & BENEFITS

YOUR PRODUCT ADVANTAGES

- **Easy & transparent integration**
through fast setup, standard interfaces & real-time monitoring
- **Collaborative & safe**
for autonomous transport in dynamic environments & interaction with people
- **Contactless intralogistics**
across departments & the entire site
- **Flexible use**
does not require infrastructural or process adjustments, WIFI communication
- **Easy handling & scalability**
through intuitive operation, central fleet configuration & communication
- **Robust & transparent**
designed for 24/7 use in mixed operation with man & machine
- **Full system compatibility**
for integration with your ERP/GMS
- **Economical & efficient**
Avoidance of bottlenecks through efficient job management; higher productivity

TECHNICAL SPECIFICATIONS REXROTH ACTIVE SHUTTLE *

Dimensions (LxWxH):	1,015 x 405 x 900 mm	Max. load capacity:	260 kg
Lifting platform (LxW):	612 x 235 mm	Transport cargo:	floor rollers with small load carriers (SLC)
Empty weight:	70 kg	Safety:	CE conformity Performance Level: D
Load dimension (LxWxH):	max. 600 x 400 x 1,200 mm	Safety system:	Laser scanner Type3, SIL2; inductive safety scanner (floor roll detection); 2 stereo cameras for 3D obstacle detection; emergency stop switch; Acoustic & visual signaling
Lifting height (min/max):	118 mm / 135 mm		
Ground clearance:	14 mm		
Position accuracy:	< 100 mm regular, < 10 mm through opt. track guidance		
Speed:	max. 3.6 km/h (1.0 m/s)		
Battery & Power:	Li-Ion, 48 V, 17 Ah		
Charging time:	90 minutes for 20-100% (Station)		
Communication:	WIFI fully integrable with ERP/GMS fleet suitable	ESD (Electrostatic Discharge) Touchscreen-Display 10.1 inch, 1,280 x 800 pixels	

* Specifications as provided by the manufacturer at the time of printing; subject to change & errors excepted.



OUR COMPREHENSIVE SERVICES AS AMR INTEGRATOR

 Test Installation

 Commissioning

 Fleet Management

 Maintenance & Service

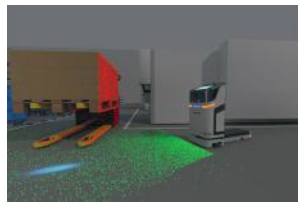
 Safety & Consulting

 Education & Training

GET TO KNOW US

As the largest manufacturer-independent integrator of automated guided vehicles in Europe, we deliver the perfect solution for the automation of your intralogistics tasks in industry, service, trade & crafts.

Let us talk about your challenges and get your company's logistics future-ready with our strong team!



MOBILE ROBOTS

by DAHL ROBOTICS