TR500 Top Roller

The ROEQ TR500 is a heavy-duty top roller for your MiR500, MiR600 or MiR1000, MiR1350 robot. It can pick up and deliver heavy goods between conveyor stations on your production line.

All ROEQ top modules come with ROEQ Assist software that includes setup tools, making it easy for you to quickly get your solution up and running. The software creates missions and sets the robot footprint. ROEQ Assist is fully compatible with MiR software and ensures consistency throughout the installation.

Features

- Can handle payloads of up to 500kg/1102lbs.
- Side rails can be detached to allow cargo to extend over the sides
- Built-in barriers on rollers protect fingers
- Built-in position sensor confirms correct position of robot before transfer of goods
- Cargo sensors on the front and back ensure safe transfer and transport of cargo
- Compatible with ROEQ GuardCom system for additional safety and quick transfer to/from conveyor stations. Wireless communication without reliance on Wi-Fi

Use the ROEQ GuardCom for additional safety when transferring loads

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Specifications

Robot compatibility:
MiR500, MiR600, MiR1000, MiR1350

ROEQ product compatibility:
DS Standalone, GuardCom System

Payload:
MiR500/600: 440kg/970lbs
MiR1000/1350: 500kg/1102lbs

Size (l x w):
1435mm x 938 mm / 56.5 x 36.9"

Roller area:
1320mm x 820mm/ 52" x 32.3"

Height from floor to rollers:
450mm/ 17.7"

Weight:
158kg/348lbs

Sensors:
Position sensors and cargo sensor

Roller speed:
can be adjusted between: 0.01[m/s]-0.17[m/s]

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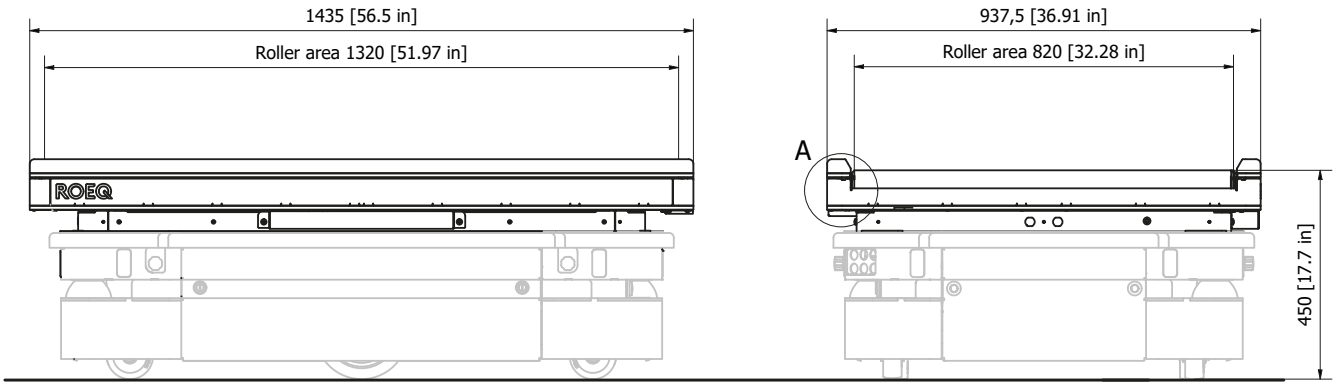
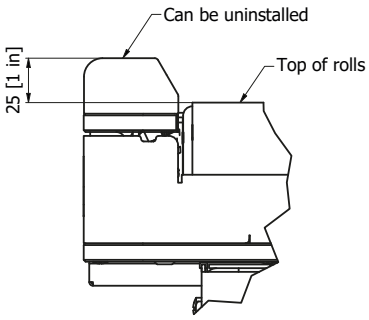
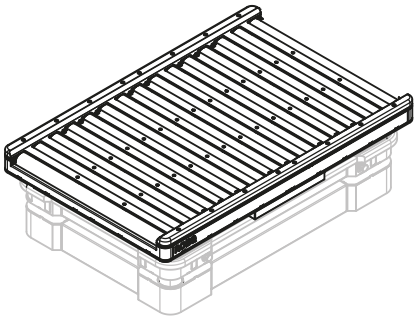


Detail A





Product no.	Product name	Description	
268a5200	TR500	Top roller with fixed height. Payload 500 kg	
273a1000	GuardCom	GuardCom unit to mount on stationary conveyor, for additional safe transfer of goods	
273a2000	GuardCom Connect	Communications unit to mount on top rollers. Wireless communication with GuardCom, not using Wi-Fi	
265a5040	DS Standalone	Floor mounted docking station for top roller series TR125, TR500 and TR1000	
268a8000	I/O Kit 500/1000	Input/output to the MiR500/1000 for equipment like light tower, extra emergency stop etc.	
272a8001	I/O Kit 600/1350	Input/output to the MiR600/1350 for equipment like light tower, extra emergency stop etc.	

Visit roeq.dk for more information or to see films of products in action.

Contact your local ROEQ Partner for more guidance

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