



# Mecanum Wheels

## Applications

- Omnidirectional wheels, allowing full 3 DOF movements
- AGV's (Automated Guided Vehicles)
- Custom built vehicles

## Features

- Heavy duty aluminum wheel
- High strength aluminum (Yield strength 460 MPa)
- 8 free rotating polyurethane rollers on each wheel
  - Aluminum core with Vulkollan™ covering (95 Shore A)
  - Excellent load bearing capability
- Planetary gearboxes
- Typical applications use at least 3 such wheels
- DC or AC motors can be provided (\*)

## Technical specifications

Model No.	Omni Wheel 200	Omni Wheel 270	Omni Wheel 600
Wheel Diameter	200 mm	270 mm	600 mm
Weight	5,5 kg	14 kg	146 kg
Load Carrying Capacity	200 kg	600 kg	2500 kg
Gearbox Ratio	1:25	1:25	1:88
Motor Power	250 W	800 W	2000 W
Nominal Motor Speed	3000 RPM	3000 RPM	3000 RPM
Maximum Vehicle speed	1,2 m/s	1,6 m/s	1,0 m/s

(\*) In option

