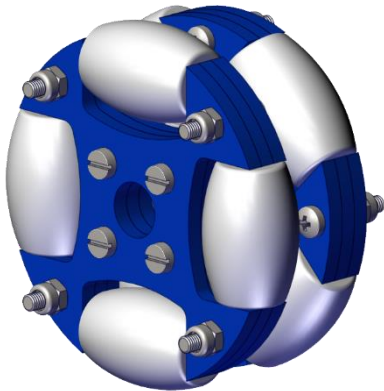




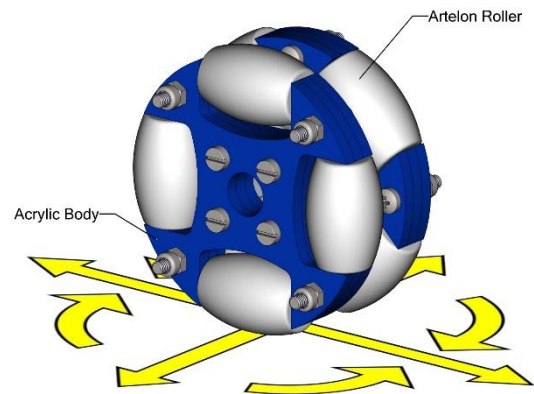
P/N: OM.065PD

Specification

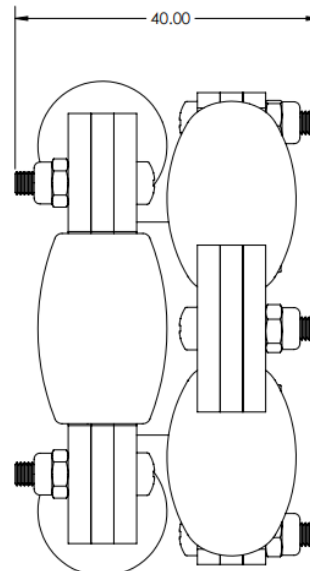
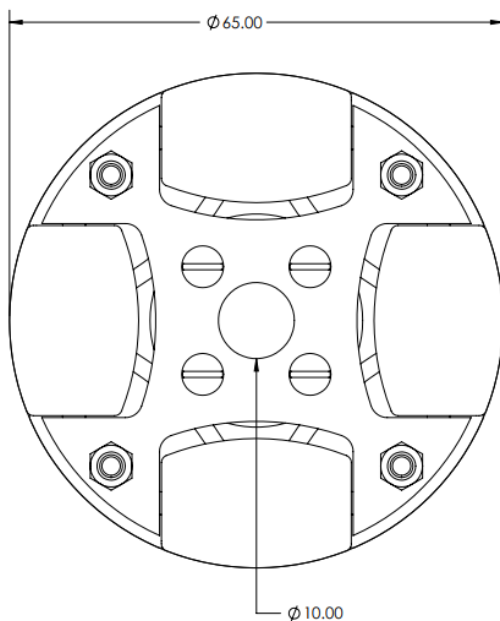
Outer Diameter	: 65 mm
Width	: 40 mm
Chassis Material	: Acrylic Blue
Overall Weight	: 100 grams
Number Of Rollers	: 8/wheel
Roller Material	: Nylon
Safe Working Load	: 20 Kg.f
Hub Diameter	: 10 mm

Description

- Double layer to reduce vibration.
- Light weight for small robots.
- Suitable for 3WD robots and 4WD robots.
- Can move in all direction based on control system.



Overall Dimensions

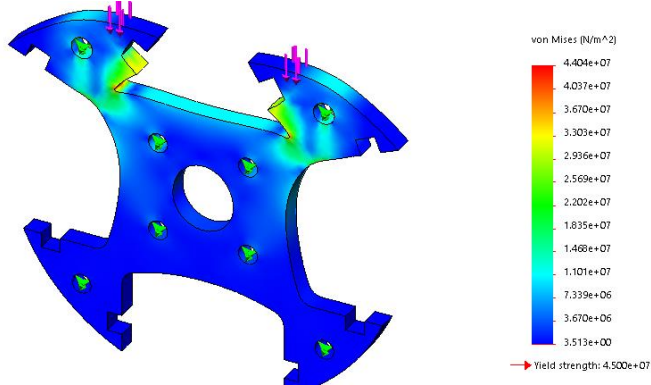


Finite Element Analysis

Assumptions

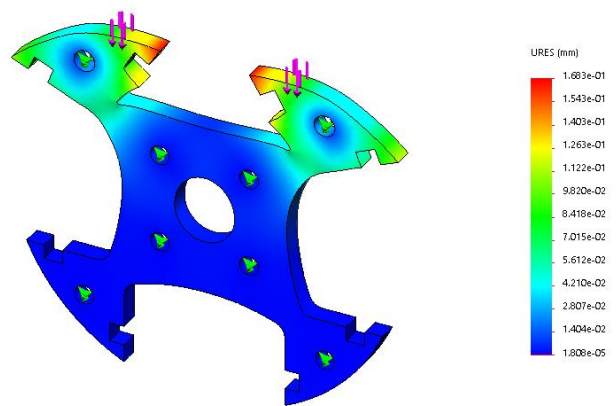
- The test considers the full payload applies on a single Middle Plate.
- Payload 20Kg.F
- Fixture on the spacer holes, and the contact area of Cover Plates.
- The payload applies on the roller shoulder as the roller touches the ground

Stress



The maximum Stress 44 MPa
Yield Strength 45 MPa

Displacement



At the maximum payload the cover displacement
0.17mm