

2890 The Hawk Collective

Mechanical Level 3 - Chassis

Wheels

Grip

High Traction Wheels are used where you need to transmit as much power from the motors to a surface or object.



Grippy Wheels

Waffle

Also known as Plaction wheels. Treds are typically replaceable, and come in many profiles.



Smooth

Can be varying in profiles and hardness. Can have shaped profiles.



Pneumatics

Air filled tubes inside a rubber body around a solid hub.



Specialty

Specially engineered wheels allow for extra grippy or extra slick depending on the design.

Often these wheels give a different type of maneuverability.



Specialty Wheels

Mechanum

Allow for moving in all directions without changing the direction of the chassis. Come in left and right



Omni

Allows for traction in one direction but rolls (slips) in the other.



Compliant

Rubbery plastics that have varying degrees of hardness (grip).



Chassis Identification

6 wheel (drop Center)

Forklift

Crab / Swerve

Mechanum

Butterfly