

WHEEL ASSEMBLY

Technical Specifications

Electrical	2 wire motor @ 24 V DC approximately 200 watts continuous, with short duration intermittent 2000 watts capacity.
Gear reduction	25-to-1. The hypocyclic or hypocycloid gear reduction consists of one gear rolling inside another. A cam drives the inner gear which produces one wheel revolution for 25 motor revolutions. Two sets of gears form a redundant pair.
Load	Individual WA 453.6kg or approx 1000 lbs.
Mounting bracket	Select a square or round mounting bracket according to your design needs.
Speed	Maximum linear speed is similar to fast walking. 1.5m/sec or approx 5 ft/sec.
Weight	Under 17 lbs.
Wheel diameter	200 mm or approx 8 in.
Wheel tread	For indoor use, red colored UV-Resistant polyurethane. Wheel tread is replaceable. Wheel tread can be custom ordered for outdoor applications.
Wheel width	24 mm or approx 1 in.
Width	95 mm or 3.75 in, depending on motor and terminal configuration.

Options *(May not be required for some applications. Some items available through Cycogs or your supplier.)*

Built-in encoder	180 count. Used for track wheel rotations and position.
Controller user interface	
Custom length motor cable	Distance from Servo Amp to motor.
Inductors	May be needed if your Servo Amp minimum inductance requirement (e.g. 0.2 mH) does not match our motor.
Servo Amp / motor controller	For speed control of the motor.



Pricing: Please contact us for a quote.

Delivery: 2-8 weeks depending on quantity ordered and inventory.

