

INTRODUCING
GT e-WHEEL TECHNOLOGY



POWERING
THE POSSIBLE

LITTLE POWERHOUSE

TRANSMISSION MEETS MOTOR MEETS ECONOMY OF MOTION

In the world of electric motorization, GT technology focuses on the heart of the matter. The hub. This revolutionary new motor and transmission technology introduces a common sense solution for making moving products electric.

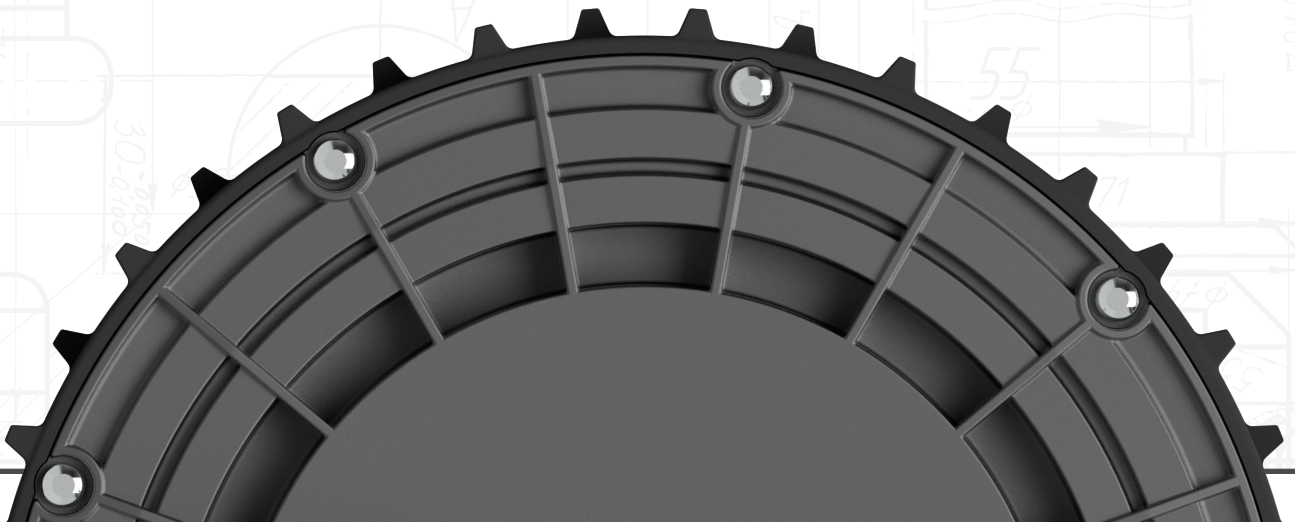
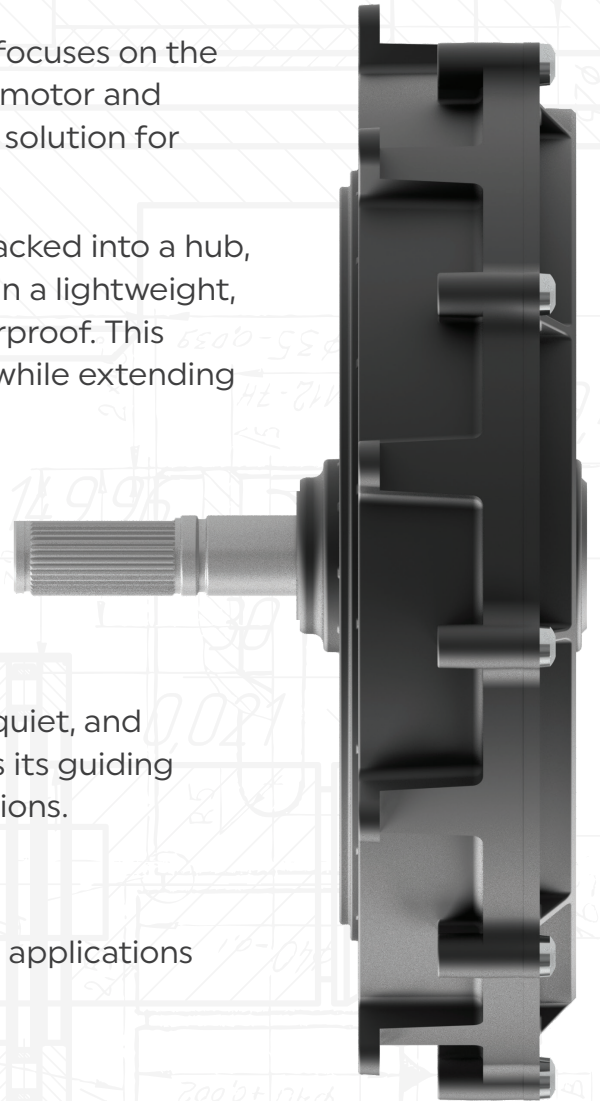
It's a powerful new drive and motor system smartly packed into a hub, delivering an outstanding torque-to-weight ratio. All in a lightweight, durable, sealed casing that is also dust-free and waterproof. This reduces space and weight without sacrificing power, while extending the life of the product.

GT's compact design opens new doors for product improvement, new-concept designs, and imagining ways that products could benefit from electrification.

Bringing relevant innovation to the marketplace, GT leads the way with products that are serviceable, quiet, and recyclable. Rather than adding complexity, GT follows its guiding principle of creating simple, strong, and durable solutions.

FULL WHEEL WITH TIRE AVAILABLE

The hub can be customized to include a tire in certain applications and in particular quantity levels.



BRUTALLY LIGHTWEIGHT

The GT e-wheel technology eclipses traditional transaxle-style and other systems. It offers an ideal approach to electrifying new products.

COMPACT

The use of a high reduction hypoid gear allows you to reduce the motor size, resulting in a compact design and an optimal power-to-size ratio.

SAFETY

All Direct Drive models automatically brake the motor when the power supply is cut, preventing the machine from rolling downhill if battery supply is on "empty."

LIGHT

Because the design includes reduced space, reduced diameter of the shaft, appropriate-sized motor, and injection-molded rims, the weight is significantly reduced, offering new options for engineers.

EFFICIENT

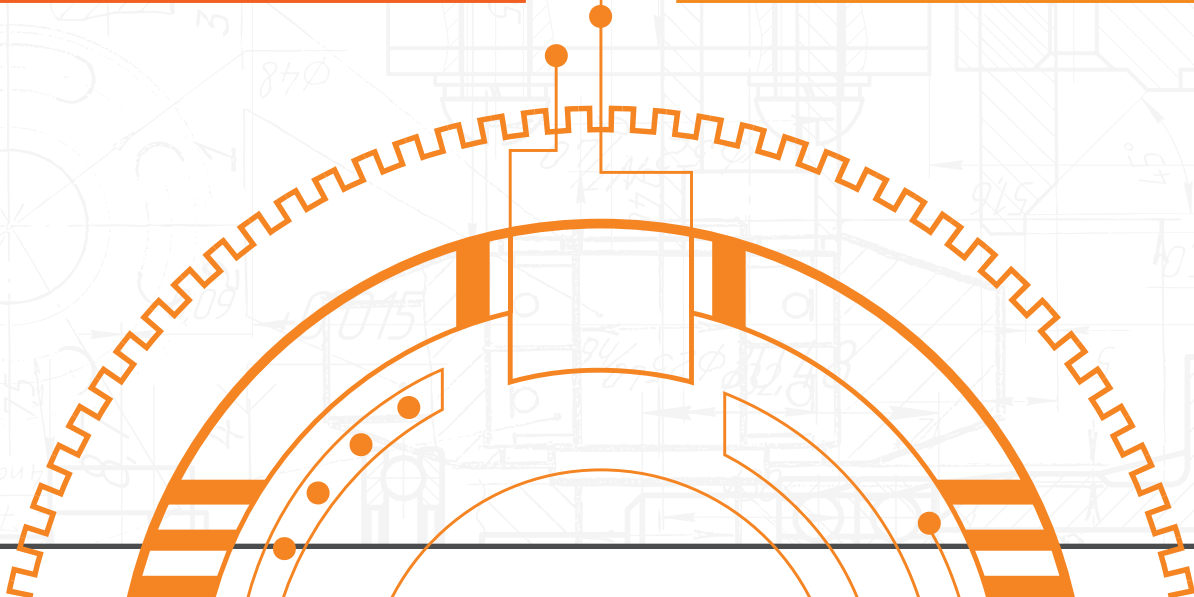
A specific teeth angle achieves high efficiency and quiet operation. The motor design, combined with high reduction ratio, delivers better resolution that results in improved positioning accuracy.

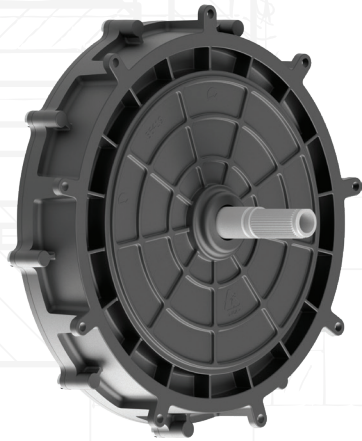
DURABLE

Designed and tested to last, all hubs are sealed to protect the internal components from dust, debris, and moisture.

SERVICE

Because the number of components has been reduced, there is less risk of failure. All components can easily be replaced, further extending the life of the hub.

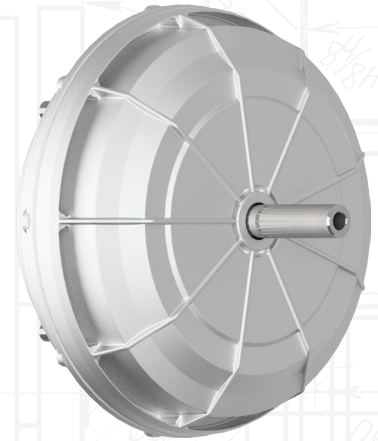




LHD



MHD



DHD

MODEL	RESIDENTIAL LONG LIFE					
	LHD 160		LHD 200		LHD 240	
Minimum Tire Diameter	6.3" - 160mm		8" - 200mm		9.3" - 240mm	
Thickness	1.8" - 45mm		1.8" - 45mm		1.8" - 45mm	
Load Capacity	one side: 22lbs - 10kg / both sides: 33lbs - 15kg					
Continuous Torque	0.75ft.lbs - 1.0N.m		1.20ft.lbs - 1.6N.m		2.20ft.lbs - 3.0N.m	
Peak Torque	1.85ft.lbs - 2.5N.m		2.75ft.lbs - 3.7N.m		5.15ft.lbs - 7.0N.m	
Stall Torque	5.15ft.lbs - 7.0N.m		7.75ft.lbs - 10.5N.m		14.75ft.lbs - 20.0N.m	
Max Speed	70 rpm					
Motor Platform	PM28	BL32	PM28	BL32	PM28	BL32
Max Voltage	36 V	72 V	36 V	72 V	36 V	72 V
Life Span	2000 h	5000 h	2000 h	5000 h	2000 h	8000 h
Hall Sensors	Option	Yes	Option	Yes	Option	Yes
Connector: upon customer specification	2 Pins (Option 6 Pins)	8 Pins	2 Pins (Option 6 Pins)	8 Pins	2 Pins (Option 6 Pins)	8 Pins
Rim Material	Composite					

PRODUCT RANGE

The GT e-wheel puts new opportunities on the drawing board for engineers developing products like electric garden carts, wheelbarrows, lighter electric golf carts, or other applications that add convenience or effortless utility for end users.

The three platforms offer different combinations of wheel size, life-of-product and power options to match the project. Hubs can be used in a wide variety of applications in multiple industries including outdoor power, construction, leisure, and materials handling. All hubs are sealed to ensure IP65 protection. Contact us to discuss options, such as automatic clutch, e-clutch, and parking brake (depending on hub model).

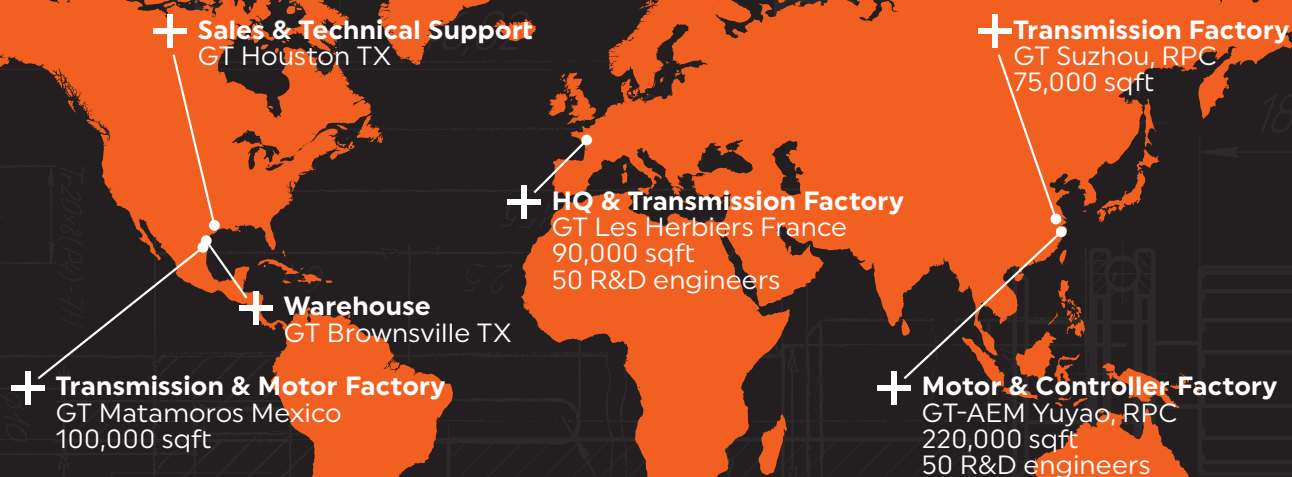
MODEL	RESIDENTIAL MEDIUM DUTY					
	MHD 200			MHD 250		
Minimum Tire Diameter	8" - 200mm			10" - 250mm		
Thickness	2" - 50mm					
Load Capacity	one side: 55lbs-25kg / both sides: 77lbs - 35kg					
Continuous Torque	3.7ft.lbs - 5N.m	5.9ft.lbs - 8N.m	4.4ft.lbs - 6N.m	7.4ft.lbs - 10N.m		
Peak Torque	5.9ft.lbs - 8N.m	9.6ft.lbs - 13N.m	7.4ft.lbs - 10N.m	11.8ft.lbs - 16N.m		
Stall Torque	25.8ft.lbs - 35N.m	39.8ft.lbs - 54N.m	31.0ft.lbs - 42N.m	51.6ft.lbs - 70N.m		
Max Speed	140 rpm			120 rpm		
Motor Platform	PM36	PM36+	BL38	PM36	PM36+	BL38
Max Voltage	36 V		72 V	36 V		72 V
Life Span	200 h	200 h	500 h	200 h	200 h	500 h
Hall Sensors	No		Yes	No		Yes
Connector: upon customer specification	2 Pins		8 Pins	2 Pins		8 Pins
Rim Material	Composite					

MODEL	HEAVY DUTY HUB		
	DHD 150-18	DHD 150-35	DHD 200
Minimum Tire Diameter	6" - 150mm		8" - 200mm
Thickness	3.4" - 85mm		4.3" - 110mm
Load Capacity	220lbs - 100kg		440lbs - 200kg
Continuous Torque	6.0ft.lbs - 8N.m	12.5ft.lbs - 17N.m	26 ft.lbs - 35N.m
Peak Torque	13.3ft.lb - 18N.m	25.8ft.lbs - 35N.m	52ft.lbs - 70N.m
Stall Torque	43.0ft.lbs - 58N.m	85.0ft.lbs - 115N.m	150ft.lbs - 200N.m
Max Speed	80 rpm	140 rpm	140 rpm
Motor Platform	BL38		BL48
Max Voltage	72 V		
Life Span	10000 h	1000 h	250 h
Hall Sensors	Yes		
Connector: upon customer specification	8 Pins		
Rim Material	Aluminum		



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