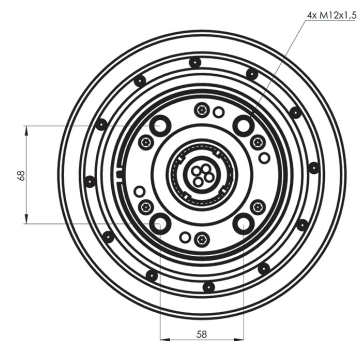
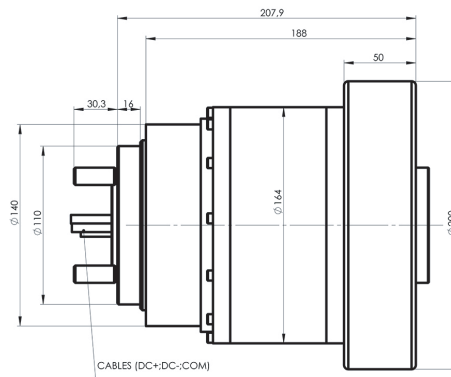


GEM in-wheel drive

Synchronous GEM® in-wheel multiphase electric motor with permanent magnets and integrated controller.

Type G0



	Standard	Custom
GEM drive	Integrated motor controller and integrated EM brake	
EM brake	40 Nm holding torque, 12 - 48 V	
Nominal power	700 W	300 ~ 1000 W
Nominal torque	30 Nm	15 ~ 50 Nm
Peak power (20 sec)	1000 W	500 ~ 1200 W
Peak torque (20 sec)	80 Nm	50 ~ 80 Nm
Speed	200 rpm at 48 V	100 ~ 400 rpm
Battery-to-wheel efficiency	up to 92%	up to 92%
Voltage	48 V	36 V ~ 72 V
Wheel rim	Rubberized wheel D200 x 50 mm	Per customer request
Mounting	One sided flange mounting	Per customer request
Nominal wheel load	400 kg	Up to 400 kg
Cooling	Air	
Dimensions	Width 210 mm, diameter 164 mm	width 160 ~ 210 mm
Active motor weight	8 kg	4 ~ 8 kg
Total motor weight (active + housing + brake)	12 kg	8 ~ 12 kg
Standard functions	4Q operation, torque and speed regulation, regenerative braking	
Signal interface	CAN	
IP Protection	IP 54	Up to IP 67
Temperature range	-5 ~ +50 °C	-40 ~ +50 °C
Applications	AGV, industrial utility vehicles, trolleys, carts, pallet movers, wheel chairs, mobility scooters, ground support equipment	

For more information please contact us at sales@gemmotors.si or call +386 (0)59 023 893.