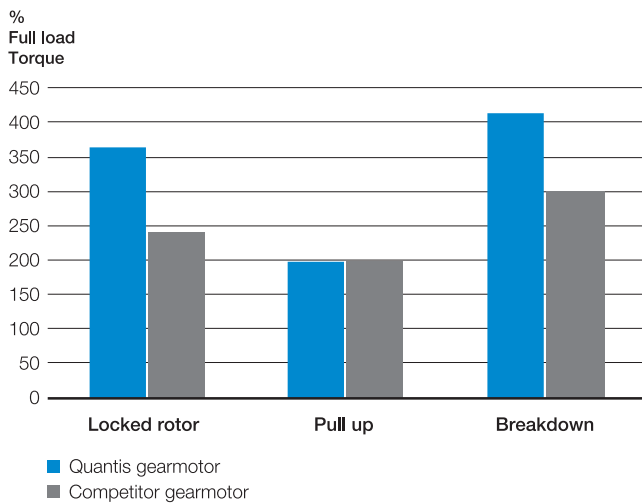


Gearing Dodge® Quantis® gearmotors

Engineered for higher performance

Dodge Quantis gearmotors provide the highest starting torque and easiest shaft mounting of any major gearmotor available. Quantis gearmotors include IEC rated motors which have NEMA Design B torque characteristics that deliver up to 50% more starting and overload torque versus competitive products. This means more torque is available when cold or fully loaded starting is required, ensuring your equipment gets moving.

Torque comparison 3kW motor



Performance specifications

- Helical or bevel gearing per DIN 7 standards
- 98 percent efficient per gear stage
- IE3 efficient motors
- 10:1 constant torque inverter ready
- IP55 rated motor protection per IEC 60529
- Class F insulation system
- Class B temperature rise
- CE, CSA, and UL markings
- Brakemotors from 4 to 68 Nm

Product offering

- Right angle (RHB), inline (ILH), or offset parallel (MSM)
- Ratings from 0.18 kW – 7.5 kW
- Up to 14,000 Nm output torque
- Ratios up to 350:1
- Foot, flange or shaft mounting
- Solid shaft, taper bushed or straight hollow bore
- Keyed or keyless bushings
- Factory-filled with lubrication
- Ideal for pumping, material handling, conveying and mixing

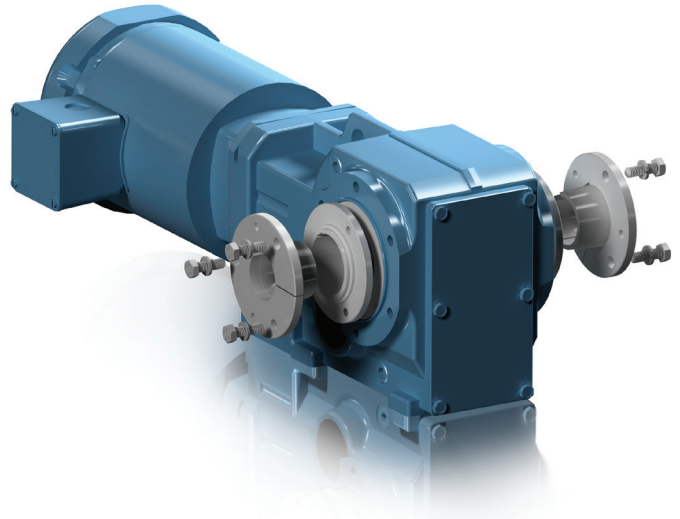


Quantis gearmotor design features

Easy installation and easy removal

For shaft mounted applications, Quantis gearmotors feature the patented twin-tapered bushing system that provides easy installation and removal of the reducer from the shaft.

- Available for RHB and MSM styles
- Removable after years of service
- Concentric grip on the shaft
- No special tools required



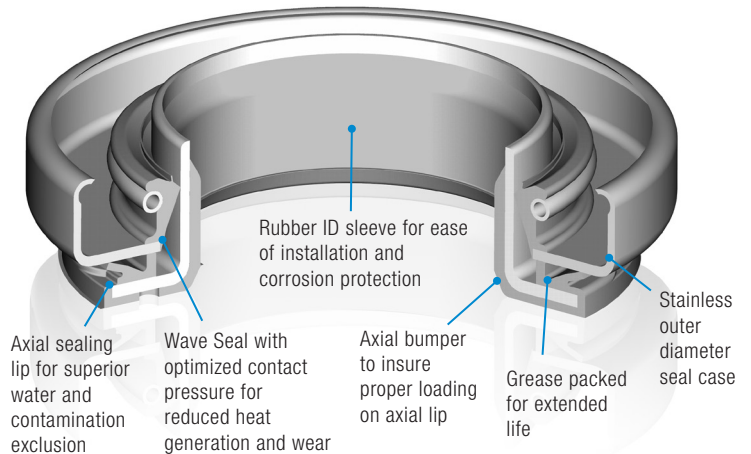
Quantis gearmotor output shaft options

Reducer style	Solid shaft (mm)	Hollow bore (mm)	Twin-tapered bushings (mm)	Shrink disc (mm)
ILH	20 - 120			
RHB	25 - 120	30 - 110	25 - 110	30 - 105
MSM	25 - 120	30 - 110	25 - 110	30 - 105
	(in)	(in)	(in)	(in)
ILH	0.875 - 4.750			
RHB	1.000 - 4.750	1.250 - 4.000	1.000 - 4.4375	
MSM	1.000 - 4.750	1.250 - 4.000	1.000 - 4.4375	

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Optional XT harsh duty output seal

For reducers operating in wet, dirty or dusty environments, the exclusive XT two-piece harsh duty output seal provides industry leading protection against high pressure sprays and abrasive materials. The seal is IPX9K certified for 100 bar high pressure spray, and with an inner sleeve that prevents water and contaminants from reaching the oil seal the XT harsh duty output seal provides extended life in challenging conditions.



Basic motor rating

Rating (kW)	Base speed	Hz	Voltage	Nominal efficiency (%)	Inverter capability	Enclosure	Optional brake (Nm)
0.18	1450	50	220/440	78.5	10:1 CT	TEFC	4.1
0.25	1450	50	220/440	80	10:1 CT	TEFC	4.1
0.37	1450	50	220/440	81.5	10:1 CT	TEFC	4.1
0.55	1450	50	220/440	82.5	10:1 CT	TEFC	8.1
0.75	1450	50	220/440	84	10:1 CT	TEFC	8.1
1.1	1450	50	220/440	85.5	10:1 CT	TEFC	13.6
1.5	1450	50	220/440	86.5	10:1 CT	TEFC	13.6
2.2	1450	50	220/440	86.5	10:1 CT	TEFC	20.3
3	1450	50	220/440	87.7	10:1 CT	TEFC	33.9
4	1450	50	220/440	88.6	10:1 CT	TEFC	33.9
5.5	1450	50	220/440	91	10:1 CT	TEFC	47.4
7.5	1450	50	220/440	91	10:1 CT	TEFC	67.8