

# Coreless DC Motors

## ABOUT TELCO MOTION

With over 20 years experience in the motion-control industry, we're proud to offer our new product lines – high precision and cost effective **coreless dc motor** for your design demand. You're sure to find a product to suit your applications!

- ➔ **COMPACT SIZE**
- ➔ **LOW INERTIA**
- ➔ **HIGH EFFICIENCY**
- ➔ **RELIABILITY**



## APPLICATIONS

- **Military Industry** - Tracking aiming, missile system and automatic aiming machine
- **Medical Equipment** - X-Ray, Peristaltic pumps, and ophthalmic tools
- **Instrumentation** - Laser leveling devices, precision balances and gas analyzing device
- **Security Equipment** - Air sampling, camera platforms and electronic lock
- **Office Equipment** - Card readers, scanners and printers
- **Machinery & Equipment** - Robot, electric tools and miniature pumps

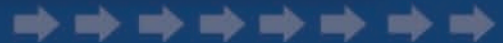
## FEATURES

- Precise long life motors
- Double Winding Technology
- High efficiency and high torque in a small package
- Sizes from 16mm to 36mm diameter
- Perfect for battery operated applications
- Excellent for use when space is a premium
- Size is 1/3 less when compared with a standard type brushed motor of same power
- Gear heads, Encoders, Shafts modifications available

## CORELESS DC MOTORS



Model	Diameter (mm)	Length (mm)	Rated Voltage (VDC)	No Load Speed (rpm)	Output power (Watts)	Max. Torque mN.m (Oz.in)	Spur Gear head	Planetary Gear head
TCM 16	16	25,30,43	4.5~24	Up to 10800	0.75~3.78	4.8 (0.68)	SG16	PG16
TCM 20	20	30,43	6~12	Up to 12500	1.50~4.11	6.7 (0.95)	SG20	PG22
TCM 22	22	30,43	4~24	Up to 10000	1.32~6.59	10.6 (1.50)	SG27	PG22
TCM 28	28	45	12~36	Up to 6070	5.39~13.0	28.1 (3.98)	SG27,30,37	PG32
TCM 36	36	72	6~36	Up to 5070	30.0~40.0	118.0 (16.71)	SG37	PG38,42



## PRECISION GEARHEADS



Series	Diameter (mm)	Type	Reduction Ratio	Max. Allowable Torque Nm(lb.in)	Motor Model
SG16	16	Spur	1/16 ~1/723	0.10 (0.89)	TCM 16
SG20	20	Spur	1/10 ~1/866	0.18 (1.59)	TCM 20
SG27	27	Spur	1/6 ~1/1153	0.15 (1.33)	TCM22,28
SG30	30	Spur	1/20~1/1000	0.44 (3.89)	TCM28
SG37	37	Spur	1/6 ~1/3000	0.56 (4.96)	TCM28,36
PG16	16	Planetary	1/4 ~1/3373	0.69 (6.11)	TCM16
PG22	22	Planetary	1/4 ~1/1996	1.47 (13.01)	TCM20,22
PG32	32	Planetary	1/5 ~1/721	4.51 (39.92)	TCM28
PG38	38	Planetary	1/5.4~1/1734	15.0 (132.76)	TCM36
PG42	42	Planetary	1/4 ~1/3600	4.00 (35.40)	TCM36



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