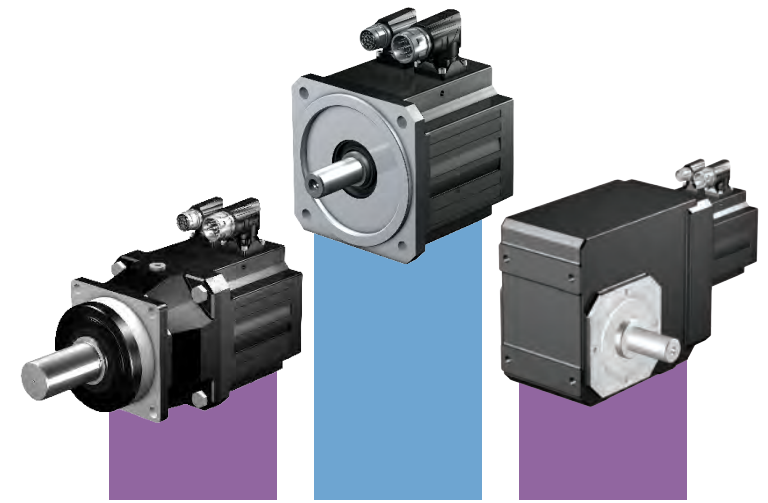




STÖBER MOTORS AND GEARED MOTORS



Servo Geared Motors

Breadth of Product - *Solutions for Every Application*

ACCELERATION TORQUE

Up to 43,000 Nm

BACKLASH

≤1-25 arcmin



P_EZ



PH_EZ
PHQ_EZ



PE_EZ



C_EZ



F_EZ



K_EZ



KL_EZ



PK_EZ



PKX_EZ



PHKX_EZ



PHK_EZ



KS_EZ

Options

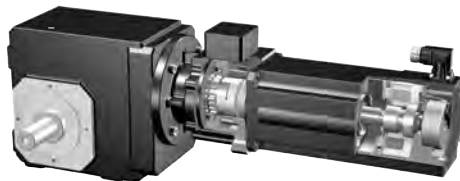
Packages for Different Environments

STOBER has multiple hardware, coating and lubrication options to suit the needs of your application.



Integrated Safety Brake - ServoStop™

- Dynamic braking during power stops or emergency stops in hazardous situations
- Ideal for applications with vertical axes with gravity loads
- Allows for dismounting of servo motor even with brake engaged
- Meets EN ISO 13849 safety standard



Rack and Pinion Drives

- Options for high force or high speed
- Reduce linear backlash
- Optimize inertia mismatch through various sizes and pinion options
- Mod. 2-10

available



PLUG 'N PLAY CONNECTIVITY WORKS WITH YOUR DRIVE

STOBER motors and geared motors work with B&R, Beckhoff, Bosch, Control Techniques, Kollmorgen, Rockwell, and Siemens drives, as well as other third-parties compatible with EnDat, Hiperface DSL, and resolver feedback types!

Benefits of STOBER



MORE COMPACT

- Save up to 45% on length with a STOBER geared motor
- Eliminate extra components for an even smaller envelope



ADAPTABILITY – OPTIONS FOR EVERY APPLICATION

- Planetary, helical, inline, and right angle
- Mounting flexibility with various output options and housing styles
- More ratios
- Higher speeds
- Variety of encoder options
- Multiple brake options



PACKAGED UNIT

- Eliminate extra components
- No premature failure due to installation errors
- Aftermarket repair and sizing support readily available
- Order with one part number



MORE DYNAMIC

- Higher torque density
- 160% reduction in required torque for acceleration/deceleration
- Less inertia and heat due to fewer wear components



RUNS COOLER

- Up to 14° F cooler than competitors
- Save on energy and machine components



STOBER



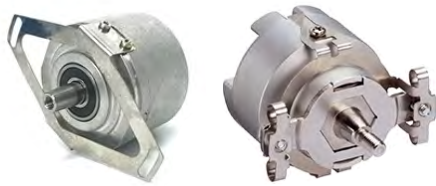
CONFIGURATOR

With the STOBER Configurator, engineers and designers will save time in product selection and designing. Everything is a simple click away!

Servo EZ Motor

STOBER's EZ is a brushless, permanent magnet, and electronically commutated motor with different power profiles. The optimized design of the stator and rotor allow for for extremely low torque ripple and high power density.

VARIETY OF OPTIONS



- Multiple windings
- Absolute feedback types
- Single cable technology
- Holding brakes
- Output shaft configurations
- Thermal winding protections
- Cooling methods

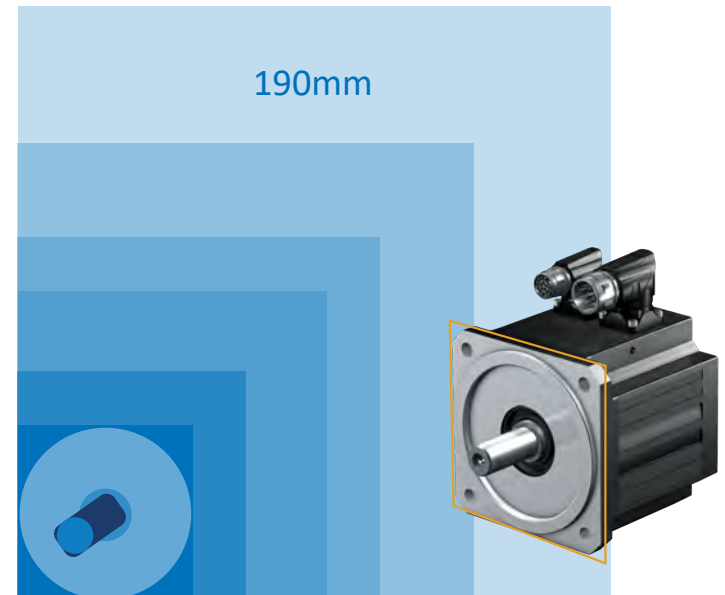
RANGE OF PERFORMANCE

Model	Flange Size (mm)	Number of Available Stack Lengths	Nominal Torque Range (Nm)
EZ2	55	2	0.40 – 0.61
EZ3	72	3	0.89 – 2.07
EZ4	98	3	2.30 – 6.90
EZ5	115	4	3.40 – 13.50
EZ7	145	4	5.20 – 16.40
EZ8	190	3	10.50 – 43.70

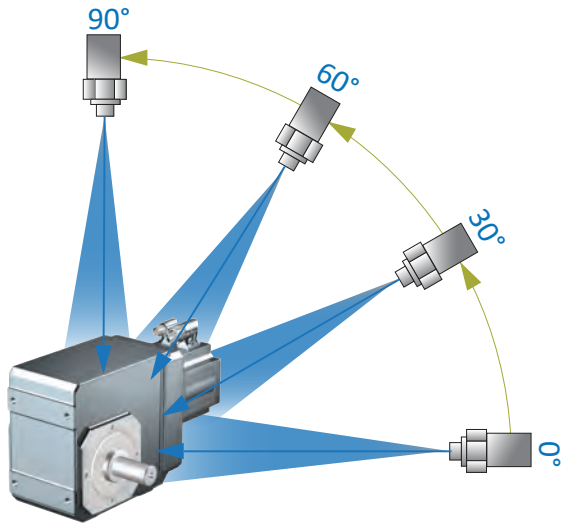
Maximum Torque Range (Nm)	Maximum Speed (RPM)	Drive Input Voltage (VAC)
1.48 – 2.70	6000	220-480
2.80 – 7.00	6000	220-480
8.50 – 29.00	6000	220-480
16.00 – 37.00	6000	220-480
20.00 – 104.00	6000	220-480
100.00 – 205.00	4500	220-480



RANGE OF SIZE



ASSEMBLED IN
USA WITH 1 WEEK
LEAD TIME



WASHDOWN OPTIONS

Regardless of your application washdown requirements, STOBER geared motors are designed to last in harsh environments such as food and beverage, pharmaceuticals, and more.

Options exist for:

- Hardware (output, connectors, etc.)
- Coatings
- Lubrication



STOBER motors and geared motors have component-wise ingress protection rating of IP66, but with the utilization of environmentally sealed cables, you can achieve greater protection in your application.

**OVER 80+ FIELD
REPS ARE
JUST ONE
CALL AWAY**

(606) 759-5090
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www.stober.com

