



Cone Drive  
BY TIMKEN

# CYCLOIDAL SERVO MOTOR INTEGRATION

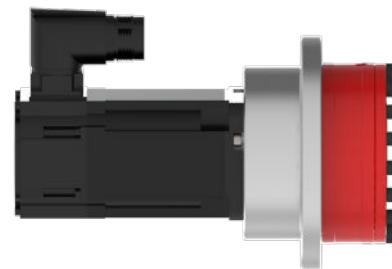
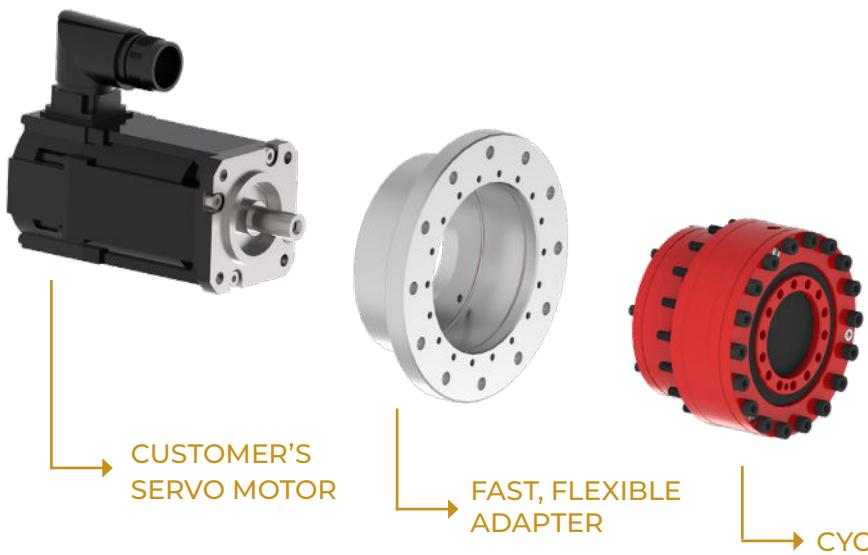
## WHEN TIMING IS CRITICAL, CONE DRIVE DELIVERS

When integrating a gearing solution into your application, timing is critical. Leverage the expertise of Cone Drive's seasoned engineers to design and manufacture a custom adapter that seamlessly integrates your servo motor with a Spinea high-precision cycloidal gear. Our team can rapidly develop solutions compatible with a wide range of servo motors, ensuring you meet your performance standards while maintaining the efficiency required to meet even the most demanding project timelines.



### RAPID GEAR INTEGRATION

-  **SPINEA** BY TIMKEN G series cycloidal gears
- **FAST** lead times
- Sizes: 085 to 225
- Ratios: 43:1 to 137:1 (size dependent)
- Rated torque: 75Nm to 1,270Nm
- Allowable tilting moment: 336Nm to 4,380Nm
- Ease of integration



VISIT US TODAY AT

[www.ConeDrive.com](http://www.ConeDrive.com)



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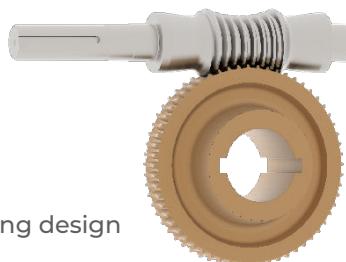
## PRECISION • MOTION CONTROL • TECHNOLOGY

We design and manufacture worm gears, worm gearboxes, slew bearings, slew drives, harmonic, and cycloidal gearing. With a history of gearbox manufacturing that spans nearly 100 years, we are a world leader in precision motion control technology. With Cone Drive you can always find the right solution for your application with the highest quality products and the lead times you require.

### WORM GEAR POWER TRANSMISSION

#### Double-Enveloping Worm Gearing

- Higher load capacity
- Lower contact stress
- Greater shock capacity
- Fully supported, two bearing design
- Zero backlash design available



#### NEMA Driven Worm Gearing

- Single, double, and triple reductions
- Non-fretting motor connection
- IP69k rated, 316 stainless steel models
- Dual gear, pinch roll models



#### Servo Driven Worm Gearing

- Large variety of servo motor adapters
- High speed angular contact bearings (select models)
- IP69k rated, 316 stainless steel models



### IN-LINE PRECISION CONTROL

#### Harmonic Gearing

- Made in the USA
- Low to Zero backlash
- High transmission accuracy



#### Cycloidal Gearing

- High tilting stiffness
- Low friction
- High torque density



#### Planetary Gearing

- Quiet operation
- Low backlash
- High efficiency



#### Timken Magnetic Encoders

- High-resolution Absolute and Incremental encoders
- 3x larger air gap than competitors
- Environmentally robust



### SLEWING SOLUTIONS

#### Slew Drives and Bearings

- Select sizes available from stock
- Low profile design
- Strong shock resistance



CONFIGURE & DOWNLOAD YOUR MODEL AT

[www.ConeDrive.com/Tools](http://www.ConeDrive.com/Tools)



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