



CYCLOIDAL SERIES



TwinSpin® and DriveSpin® cycloidal reducers are designed for high precision, torque density, and weight reduction. The G & GH series provide high tilting stiffness, low friction, and high torque overload capacity with a high precision output bearing. In addition the DS & DSH series provide rotary motion and transfer output torque with high radial-axial load capacity.

AUTOMATION & ROBOTICS | MEDICAL | SATELLITE COMMUNICATION | MILITARY | MACHINE TOOLS

HIGH TORQUE PRECISION

TwinSpin®

- High reduction ratio and high kinematic accuracy
- Low lost motion
- High moment capacity and stiffness
- Compact and lightweight

DriveSpin®

- Dynamic, high performance actuator
- Compact design
- High torsional and tilting stiffness
- Zero backlash



DEDICATED NORTH AMERICAN STOCKING PROGRAMS



CONFIGURE & DOWNLOAD YOUR MODEL AT

www.ConeTools.com

Cycloidal Solutions

S P E C I F I C A T I O N S

TwinSpin®

Sizes: 065 thru 285

Ratio: 35:1 thru 137:1

Lost Motion: < 1 arc min

Rated Output Torque: ≤ 1,700 Nm

Max. Accel./Decel. Torque: ≤ 4,250 Nm

DriveSpin®

Sizes: 050 thru 170

Rated Output Torque: ≤ 460 Nm

Max. Acceleration Torque: ≤ 1,150 Nm

(ratings vary by size and style)



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06122024



Cone Drive

BY TIMKEN

SERVO DRIVEN POWER PRECISION MOTION CONTROL

Cone Drive's precision gearing solutions exceed the most demanding needs in motion control applications. Available in both right angle and in-line configurations, we have a variety of products to fit your precision and power needs.

RIGHT ANGLE, DOUBLE ENVELOPING WORM GEAR



SERIES FS

- Low or standard backlash
- IP69k
- 316 stainless steel adapter and housing
- Viton™ output seals
- 5 year warranty



SERIES W

- Zero, low, or standard backlash
- Aluminum housing
- Angular contact ball bearings (worm shaft)
- Zero backlash bellows style coupling
- 5 year warranty



SERIES RG

- Low or standard backlash
- Cast iron housing
- White epoxy or stainless steel paint available
- 5 year warranty



SERIES S

- Conex proprietary worm gearing
- Aluminum housing
- USDA white epoxy paint available
- Optional wash down design
- 2 year warranty



SERIES HP

- Low or standard backlash
- Vented, cast iron housing
- Bellows or jaw style coupling
- 5 year warranty

IN-LINE PRECISION



CONE DRIVE HARMONIC SOLUTIONS®

- Low to zero backlash
- High transmission accuracy
- Customizations available upon request
- 1 year warranty



SPINEA BY TIMKEN CYCLOIDAL TWINSPIN®

- Low backlash
- High reduction ratio
- High kinematic accuracy
- High moment capacity and stiffness
- Compact and lightweight



SPINEA BY TIMKEN CYCLOIDAL DRIVESPIN®

- Zero backlash
- Dynamic, high performance actuator
- Compact design
- High torsional and tilting stiffness



PLANETARY GEARING


- Quiet operation
- Low backlash, high efficiency
- Stainless steel option
- Competitive interchanges
- 5 year warranty



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