Cone Drive Harmonic Solutions® offers the ultimate in precision motion control technology.

Harmonic gearing is low to zero backlash by design. It provides high transmission accuracy and can support a high ratio reduction in a single stage, with lower inertia. The highly accurate, torque dense design makes harmonic gearing the perfect solution for precision motion control applications.

AUTOMATION & ROBOTICS | MEDICAL | SATELLITE COMMUNICATION | MILITARY & DEFENSE

Ring Component

PRODUCT SPECIFICATIONS
Sizes: 14, 17, 20, 25, 32
Flex Spine Sizes: Single & double input bearing
Configuration: Component set only. No gearhead option
Continuous Output Torque: Up to 136.5 Nm (1208 in. lb)
Peak Output Torque: Up to 329.5 Nm (2916 in. lb)
Gear Ratios: 50:1 to 160:1
Standard Input Options: Keyed or set screws
Custom Input Options: Throughbore, Dowel Pins, Tapped Holes, Piloted, Stepper/Servo Motor Ready, Special Materials and Coatings

Hat Component

PRODUCT SPECIFICATIONS
Sizes: 14, 17, 20, 25, 32
Configuration: Component gearset or gearhead. Sealed, throughbore, lightweight, and other options available
Continuous Output Torque: Up to 171.9 Nm (1521 in. lb)
Peak Output Torque: Up to 823.9 Nm (7292 in. lb)
Gear Ratios: 50:1 to 160:1; ratio offerings are size dependent
Standard Input Options: Keyed or set screws. Includes Oldham style coupling
Custom Input Options: Throughbore, Solid Input, Dowel Pins, Tapped Holes, Piloted, Stepper/Servo Motor Ready, Special Materials and Coatings

Cup Component

PRODUCT SPECIFICATIONS
Sizes: 11, 14, 17, 20, 25, 32
Configuration: Component gearset or gearhead. Large bore (lightweight) and other options available
Continuous Output Torque: Up to 171.9 Nm (1521 in. lb)
Peak Output Torque: Up to 823.9 Nm (7292 Nm)
Gear Ratios: 50:1 to 160:1; ratio offerings are size dependent
Standard Input Options: Keyed or set screws. Includes Oldham style coupling
Custom Input Options: Solid Input, Dowel Pins, Tapped Holes, Piloted, Stepper/Servo Motor Ready, Special Materials and Coatings

CONFIGURE & DOWNLOAD YOUR MODEL AT ConeTools.com

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PRODUCT FEATURES & BENEFITS

- Custom precision motion control solutions for many applications
- Our product range includes gearheads and component sets
- Harmonic gearing is available in low backlash and zero backlash
- High transmission accuracy, high ratio reduction in a single stage of gearing with low inertia
- Best-in-class lead times

PRODUCT SPECIFICATIONS

Sizes: 11-32
Input Adapters: Servo, Stepper, Frameless Servo, Solid Shaft, Hollow Shaft, Custom
Gear Ratios: 50, 80, 100, 120, 160, Custom
Output Options: Solid, Hollow, or Custom

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