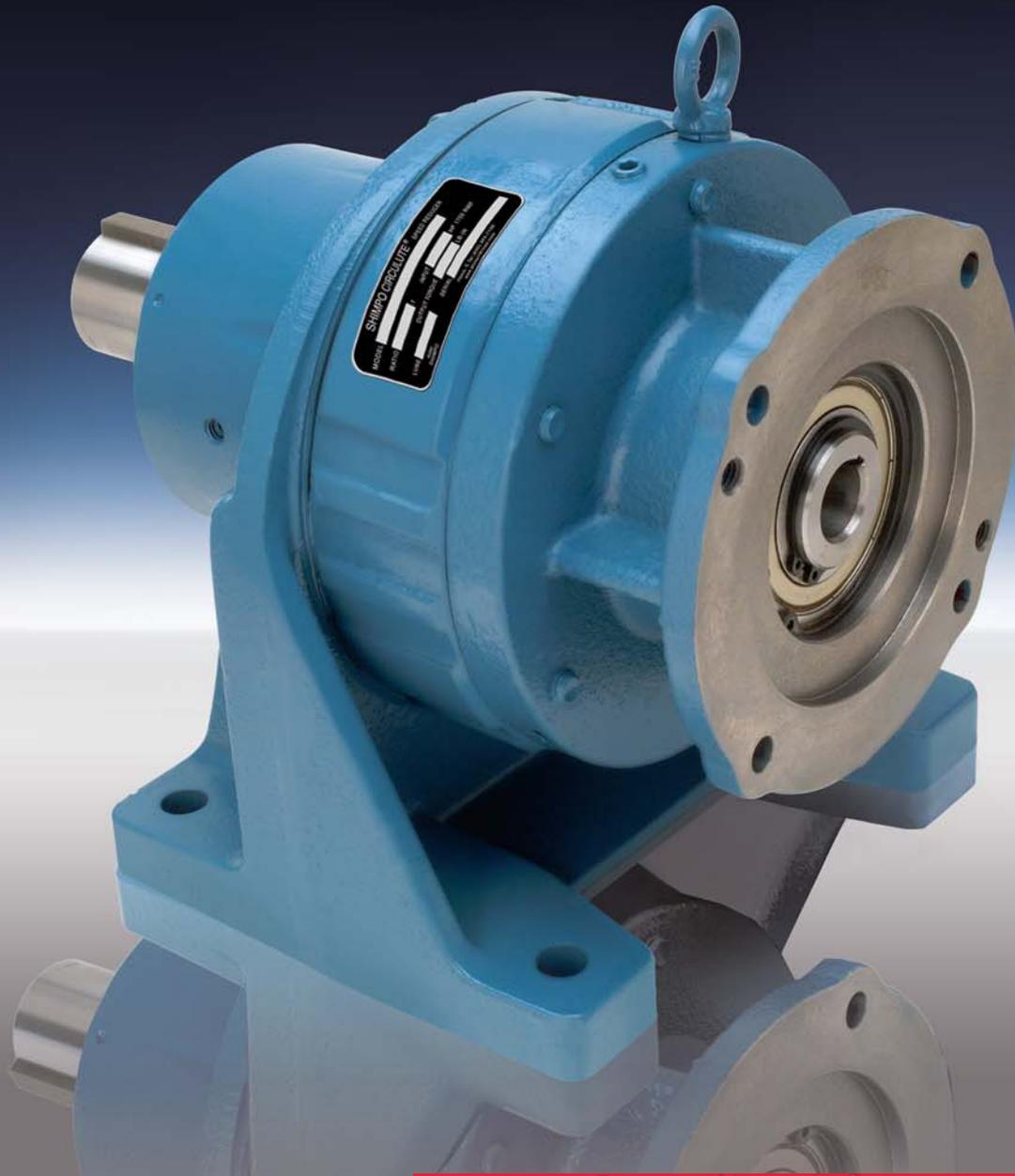


CIRCULUTE 3000[®]

***The ideal reducer for both induction
and servo motor applications...***



**Optional Mounting Base Matches
Industry-Standard Dimensions**

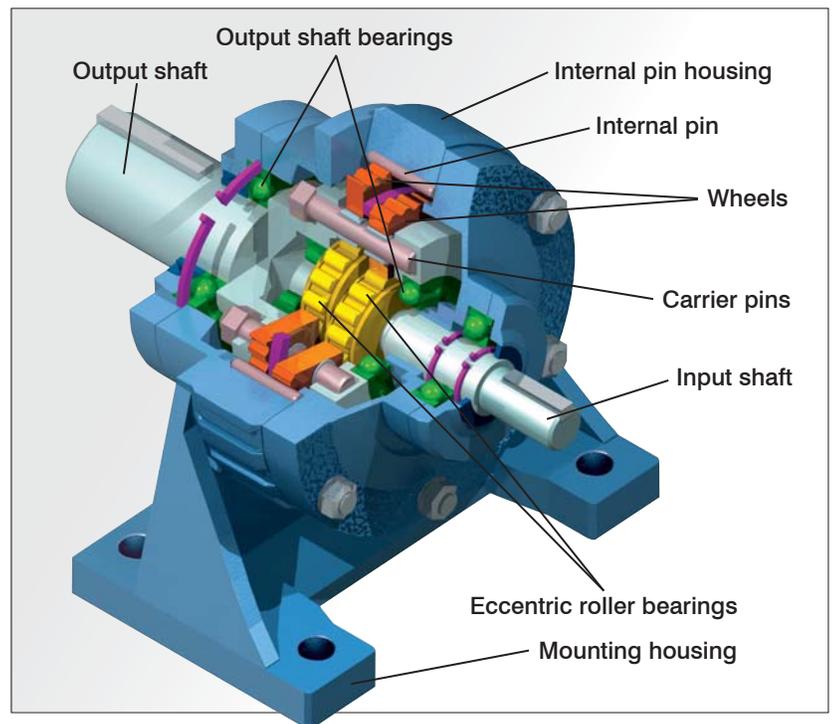
A *Nidec* Group Company

SHIMPO

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Great Features, Precision Backlash!

The Circulate 3000 Speed Reducer delivers the features today's industry needs. High reduction ratios, without sacrificing efficiency. Compact designs, without requiring special motors. Exceptional shock load capacity, without having to oversize. Greater overhung load capacities, without using expensive special components. A precision backlash option, without resorting to special gearing. All of this, while requiring minimal maintenance.



Features & Benefits

High Efficiency Cycloidal Reducer Design

- Single stage reduction ratios up to 71:1 saves space
- Rolling motion minimizes friction and wear, reducing heat, and results in a 95% efficiency rating, per stage
- 500% shock load capability as there are only compressive forces rather than shear forces on the tooth
- Low speed of cycloidal wheel results in minimal reflected inertia, less wear, and extremely long service life
- Due to the large overall "tooth / pin" contact area, select a Circulate Reducer using smaller mechanical service factors

Two Backlash Ratings

- Standard backlash offers the highest available torque rating at an economical price
- Low backlash results in tighter positional tolerances

Multiple Inputs: NEMA C-Face, Servo Square Flange, Shaft Input, Shovel Base, Top Mount

- Versatility to fit whatever prime mover is needed for the application
- NEMA and Servo input flanges are compact "quill-style" hollow-bore configuration, eliminating input couplings and guards
- Quill-style input features an input support bearing to control fretting corrosion between motor shaft and reducer hub, and permit tighter internal tolerances
- NEMA input flange includes threaded back-off holes for easy motor removal

Straddle Mount Output Shaft Bearings sizes D, E, F)

- Supports output shaft and drive pins to provide exceptional overhung and thrust load capability, without the need for special bearings or housings

Multiple Mounting Options: Foot, Flange, Ring

- Versatility to fit anywhere on your machine
- Ring style allows output bearing to extend well within the machine for greatest overhung load rating