

Anti-Backlash Gear-Bearings

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DESCRIPTION

The invention is an anti-backlash speed reduction system for fixed ratio transmission. A gear bearing having central axis includes gear teeth and a roller, and comprises top and bottom halves, each biased against each other. The gear teeth extend radially outward from the central axis, and have first contact points disposed at first distance from the central axis. The roll surface component includes a second contact point disposed at first distance from the central axis.

FEATURES AND BENEFITS

- Eliminates backlash associated with all gear systems.
- Improves mechanical efficiency, strength and structural rigidity.
- Has simpler construction and lower number of components.
- Superior in bearing strength. Easy to assemble, locate and stabilize.
- Allows armature and stator of electric motor to function properly, and provides high mechanical advantage output.

APPLICATIONS

- Transportation
- Power Tools
- Medical Equipment
- Farm Equipment
- Industrial Machinery

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-14603-1, please contact:

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