

# 1-Way Bearing

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## DESCRIPTION

The bearing has rollers disposed between an inner race and an outer race for transmitting radial, tilt and axial loads between the races, and sprags also disposed between the inner and outer races. The rollers and sprags are positioned for engaging the concentric grooves formed on the inner and outer races. The outer race is concentrically disposed around the inner race and spaced from the inner race. The sprags can be set in two orientations to allow free rotation of the outer race relative to the inner race in a first direction and to effectively prevent rotation of the outer race relative to the inner race in a direction opposite the first direction.

## FEATURES AND BENEFITS

- The technology has minimized size, provides sufficient locking force when rotated in non-preferential direction, and withstands axial, radial and tilt force. Ensures a more compact one-way bearing design.
- The bearing provides separate engagement surfaces for anti-rotation components and rolling bearings to reduce wear, provide smooth operation and increase bearing life.
- Includes spring to maintain sprags and rolling bearings operationally separate, thereby eliminating the need for separate carrier.

## APPLICATIONS

- Automobiles
- Transmissions
- Elevators
- Forklifts
- Cranes

## FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-13905-1, please contact:

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