

There are three types of shaft retention methods utilized in Eskridge geardrives.

Retaining Ring

The retaining ring method of shaft retention is a widely accepted method of shaft retention for most industrial applications. As shown in (figure A), a retaining ring is seated in a close tolerance groove.

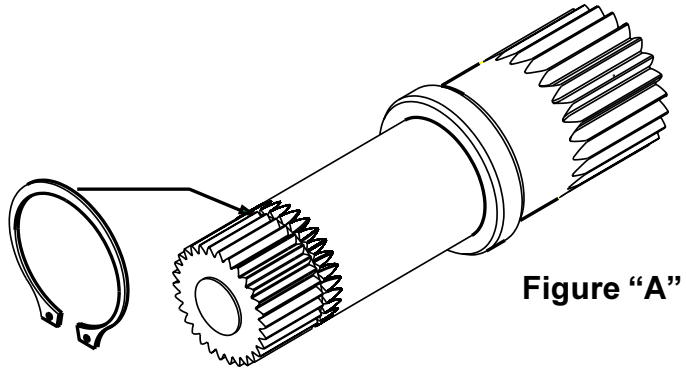


Figure "A"

Retainer Nut

The retainer nut shaft retention method (figure B) is used in applications where high shaft side loads are present. This system also offers the capability of establishing pre-load on the bearings when required.

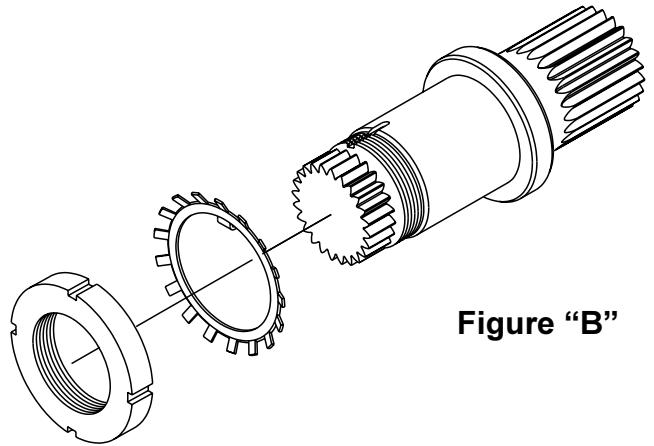


Figure "B"

Load-N-Lock™

Exclusively from Eskridge, The Load-N-Lock™ shaft retention system (figures C & D) is available. This method offers positive shaft retention, accommodates bearing pre-loading and is equally effective in bi or uni-directional applications. The components are manufactured from heat-treated steel. Eskridge holds U.S. Patent 5,746,517 for the Load-N-Lock™ shaft retention system .

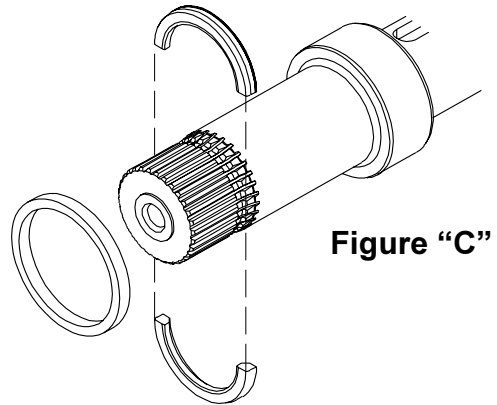


Figure "C"

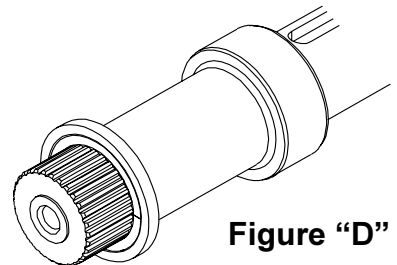


Figure "D"