

**PATENTED**

## A superior way to fasten rotating components

Excelling because of its simplicity, it contains all structural features in only two parts. This new development is the Shaftloc™ – a patented device (United States Patent No. 5,087,848)

### Shaftloc™ has only two parts:

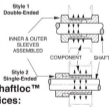
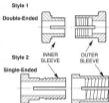
a slotted outer sleeve and a slotted inner sleeve, both of which have hexagonal heads. The outer sleeve is cylindrical on its outside diameter, and threaded on its inside diameter. Conversely, the inner sleeve is threaded on its outside diameter, and cylindrical on its inside diameter. The thread is unique in that it is not symmetrical and that it creates a continuous inclined surface.

### How Shaftloc™ works

The shallow angle of the thread produces large amplifications of forces, resulting in substantial torque transmission capability between the component and the shaft.

**Style 1: Double-Ended.** When the two sleeves are threaded into each other with a component placed between them, tightening the sleeves will cause the outer one to expand and the inner one to contract.

**Style 2: Single-Ended.** When the two sleeves are threaded into each other and slipped into the component, tightening the sleeves will cause the outer one to expand and the inner one to contract.



### Distinct advantages of Shaftloc™ over other fastening devices:

- Simplicity of design – few parts
- No marring of shafts
- Easy repositioning or synchronizing of rotating components
- Ease of assembly
- Applicability to small shaft diameters
- Availability in all stainless construction
- Ability to be used for stationary breadboard or production structures
- Low cost