



## REDI-SLEEVES

Redi-Sleeves are precision stainless steel wear sleeves designed to be press fit on a shaft where seal wear such as tracks or grooves is evident.

Redi-Sleeves provide fast, inexpensive repairs for grooved shafts. For shafts from 1/2" diameter to 8" diameter, Redi-Sleeves combine stainless steel construction with a 0.010" wall thickness. The thin construction of the sleeves allows the original seal size to be used with minimal additional lip loading.

The surface provided by a Redi-Sleeve is the best possible sealing surface, ground to a 10-25 micro-inches finish without lead. The stainless steel material offers a corrosion free sealing surface as well.

Redi-Sleeves are easily pressed on a shaft via a removable flange to provide a new seal running surface. An installation tool designed to work with the flange is provided with each Redi-Sleeve.

### Redi-Sleeve Sizing:

To select the proper size of Redi-Sleeve, measure the shaft diameter where the sleeve will be positioned *ahead* of the wear path. Do not measure in the track worn by the seal.

Measure in three positions (12 o'clock to 6 o'clock, 2 o'clock to 8 o'clock; and 4 o'clock to 10 o'clock), and average the readings to compensate for out of round shafts.

### WEAR SLEEVES

Wear sleeves are precision devices that press fit onto a shaft, and actually become part of the shaft. The outside diameter is centerless ground to provide a surface finish of 10-25 micro-inches.

A radius on the I.D. facilitates installation of the shaft. The opposite end of the sleeve is also radiused on the O.D. to prevent damage to the seal during assembly.

The sleeves offer savings to original equipment manufacturers, who now must machine shafts to tight dimensional and finish tolerances in order to provide an adequate running surface for the seals.

Protection while transporting or moving the shaft from place to place is greatly simplified. Extreme care must now be taken to prevent damage to a finished shaft, but when wear sleeves are used, scratching or scoring of the prime shaft matters little, since the seal will run on the precision-finished sleeve.

### Installation

1. Remove all dirt and oil from the sealing surface.
2. Coat shaft surface with a liquid sealant or gasket cement.
3. Press wear sleeve into position with an installation tool, or use a flat plate against the sleeve. Do not hammer on the thin edge of the sleeve or the wear sleeve may become warped or out of round.
4. Remove excess sealant from the wear sleeve edges. None should be left on the finished working surface or seal leakage may result.

### Removal

1. The old wear sleeve may be removed easily by tapping with a flat hammer, by heating, or by careful use of a rounded, blunt chisel. *Caution: It is not necessary to cut the sleeve completely to remove it.*

