



ENGINEERING SERVICE BULLETIN

INSTALLATION INSTRUCTIONS & PARTS LIST

D-90® TYPE SE® HOLLOW SHAFT COVER

FOR USE WITH HOLLOW OUTPUT SHAFT MODELS

Read instructions carefully before attempting to install cover. Proper installation will insure safe operation of your WINSMITH® Speed Reducer. Retain these instructions for future reference.

Description

WINSMITH D-90 TYPE SE shaft covers provide an economical method for covering the exposed end of the output shaft on hollow shaft models. This serves two purposes: protection from the rotating shaft and isolating the seal from outside contaminants. All shaft covers are made from corrosion resistant stainless steel and fit over either shaft end while allowing at least one half inch of clearance for a driven shaft keeper plate.

All WINSMITH D-90 TYPE SE units are designed to accommodate two seals. The cover design takes advantage of this by using the outer seal area as a mounting surface, allowing for field installation without the need for any additional unit modification. Covers are installed in the housing as shown in the diagram using a press fit. When using the cover, only one seal can be accommodated.

Installation

1. First determine if the unit has one or two seals where the cover is being installed. This can be done by checking the serial number on the nameplate for an "X" in the eleventh position, denoting a special unit. Standard units are normally built with only one seal. If there is an "X" in this position, contact the factory Sales Department at 716/592-9310 for a status on how many seals are in the unit.
- 2a. If only one seal is present, use the appropriate installation tool (available from Peerless-Winsmith, see chart), and push the seal inward until the tool bottoms out on the casting surface. The seal face must be kept perpendicular to the shaft axis to avoid future seepage at the OD. If resistance is met, it probably

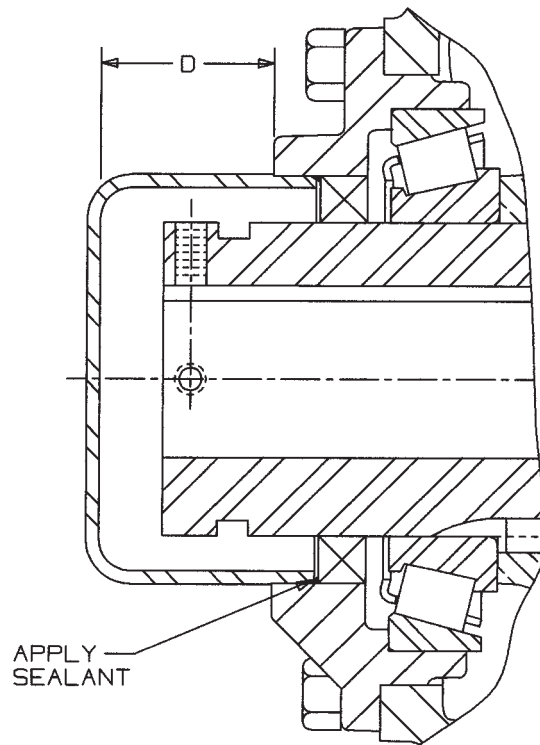
means there are two seals and the inner seal is being pushed against the bearing. Installation tools can be retained for future use.

- 2b. If two seals are present, remove the outer seal, being careful not to damage the inner seal. This can be done by drilling two small holes in the metal casing, installing small screws and pulling outward. Use the installation tool to properly position the inner seal (see 2a).
3. Clean the exposed mounting surface for the cover, being careful to avoid

contact with the seal lip material. Apply a bead of pliable sealant, such as Permatex or liquid gasket, around the OD of the seal and adjacent to the housing. Make sure all set screws and keys are properly located and secured before installing the cover.

4. Position the cover evenly on the casting surface and carefully press or drive it into the bore until evenly seated against the step on the cover. The engagement depth is approximately equal to one seal width.





DIMENSIONS

Unit Size	Dim "D"
917	1.31
920	1.25
924	1.31
926	1.38
930	1.56
935	1.56
943	1.25

KIT PART NUMBERS

Unit Size	Cover	Installation Tool*
917	CKIT917	CTKIT917
920	CKIT920	CTKIT920
924	CKIT924	CTKIT924
926	CKIT926	CTKIT926
930	CKIT930	CTKIT930
935	CKIT935	CTKIT935
943	CKIT943	CTKIT943

*Optional—purchased separately

Parts included in Cover Kit:

- Cover
- Installation Instructions



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PWS-18775—6/00—5M
Printed in U.S.A.