

How to Use This Manual

This manual provides detailed instructions on installation and maintenance of gear drives and couplings. Use the table of contents below to locate required information.

CAREFULLY FOLLOW THE INSTRUCTIONS IN THIS MANUAL FOR OPTIMUM PERFORMANCE AND TROUBLE FREE SERVICE.

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Introduction

Credit for long service and dependable operation of a gear drive is often given to the engineers who designed it, or the craftsmen who constructed it, or the sales engineer who recommended the type and size. Ultimate credit belongs to the mechanic on the job who worked to make the foundation rigid and level, who accurately aligned the shafts and carefully installed the accessories, and who made sure that the drive received regular lubrication. The details of this important job are the subject of this manual.

NAMEPLATE — Operate Falk gear drives only at horsepower, speed and ratio shown on nameplate. Before changing any one of these, submit complete nameplate data and new application conditions to the Factory for correct oil level, parts and application approval.

DISASSEMBLY & ASSEMBLY — Disassembly and assembly instructions and parts guides are available from the Factory or Falk Representatives. When requesting information, please give complete data from the nameplate on the gear drive: Model, M.O. Number, Date, RPM, and Ratio.

WARNING: Consult applicable local and national safety codes for proper guarding of rotating members. Lock out power source and remove all external loads from drive before servicing drive or accessories.

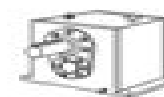
Falk Factory Warranty

We're so confident in the performance and reliability of our latest generation of Falk heavy-duty products that we're backing this comprehensive offering with the best standard warranty in the business. Our full, 3-year Heavy-Duty Warranty provides "shaft-to-shaft" protection on all Falk Components — including bearings and seals. It's an industry first...and one more powerful reason why Falk is your ultimate bottom-line drive and coupling value. ★

★ Warranty extends for 3 years from date of shipment. Does not apply to Falk Overbore®, Fluid Couplings, Renew® and spare parts. Warranty applies to Sealflex® and Lifeline® couplings with the use of Falk Long Term Grease.



Type FZ



Type FC

Installation Instructions

The following instructions apply to standard Falk Type FC & FZ drives shown above. If a drive is furnished with special features, refer to the supplementary instructions shipped with the drive.

WELDING — Do not weld on the gear drive or accessories without prior approval from The Falk Corporation. Welding on the drive may cause distortion of the housing or damage to the bearings and gear teeth. Welding without prior approval could void the warranty.

EFFECTS OF SOLAR ENERGY — If the gear drive operates in the sun at ambient temperatures over 80°F (27°C), then special measures should be taken to protect the drive from solar energy. This protection can consist of a canopy over the drive or reflective paint on the drive. If neither is possible, a heat exchanger or other cooling device may be required to prevent the sump temperature from exceeding the allowable maximum.

HORIZONTAL MOUNTING — Mount gear drive with base horizontal, unless it has been specifically ordered for mounting in another position. If it is necessary to mount the drive in a different position from that for which it was ordered, consult The Falk Corporation for changes necessary to provide proper lubrication.

NON-HORIZONTAL MOUNTING — For gear drives with non-horizontal mounting, including tilted, vertical and wall mounted, refer to instructions provided with the drive for oil levels and bearing lubrication.

LIFTING INSTRUCTIONS — Lift UltraMax drives by means of a sling (with adequate lifting capacity) wrapped around the high speed and low speed shaft extensions for drive Sizes 2040 through 2090 and Sizes 2100 through 2130 when equipped with an electric fan. Standard drive Sizes 2100 through 2130 are equipped with lifting lugs welded to the side of the drive. Refer to Figure 1. When lifting a drive with a sling, make certain that the shaft extension keyways do not come in contact with the sling as the sharp corners could cut the sling.

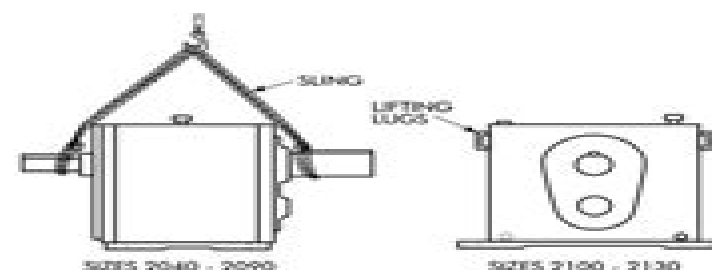


Figure 1

Falk Ultramax Manual

Terry C. Jones



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