

Crown Gear Drives

Crown Gear Drives Installation Instructions

TOOLS REQUIRED

- Ratchet and socket set
- Box wrench set
- Hex key allen wrench set

INSTALLATION

- Crown Gear Drives are shipped filled with grease.
- Confirm shaft rotations are correct for proper operation of equipment. A Three-Way Crown Gear Drive is symmetrical and can be flipped over to reverse the relative rotation of shafts #2/#3.
- Maximum rotational speed of any shaft is 2000 RPM. If shaft #2/#3 is selected as the input shaft in a 2:1 ratio model, it can turn a maximum of 1000 RPM.
- Check your load requirements and refer to the catalog for Crown Gear Drive ratings.
- Crown Gear Drives can be installed in any mounting orientation without concern for lubrication changes.

- Use either the housing mounting holes or the flange mounting holes to mount the Crown Gear Drive (see sketch below). DO NOT use both methods. It is recommended to use all available mounting holes for the method chosen. Shim as necessary during installation.
- Properly secure the coupling, pulley, sheave, or other mounted components to the Crown Gear Drive shafts.
- Check the following carefully:
 - Mount load as close to flange as possible.
 - Accurately align all coupling shafts.
 - DO NOT over-tension belt drives.
 - DO NOT use flat belt drive.
 - DO NOT reverse rotation while unit is loaded.
 - DO NOT hammer on shafts while installing couplings or sprockets.
 - DO NOT use on high shock or starting loads.

LUBRICATION

- Crown Drives are shipped filled with the correct amount of grease. If necessary to relubricate, use table below for amounts and DO NOT overfill Crown Gear Drive with grease.
 - Standard Crown Drives: use Beacon 325, or equivalent.
 - IP65-Rated Crown Drives: use Mobil Food-Grade Grease, FM222, or equivalent.

Models With Shaft Diameters As Listed Below	Grams	Ounces
3/8" dia	11	0.4 oz
1/2" dia	22	0.8 oz
5/8" dia	34	1.2 oz
3/4" dia	46	1.6 oz
1" dia	238	8.4 oz

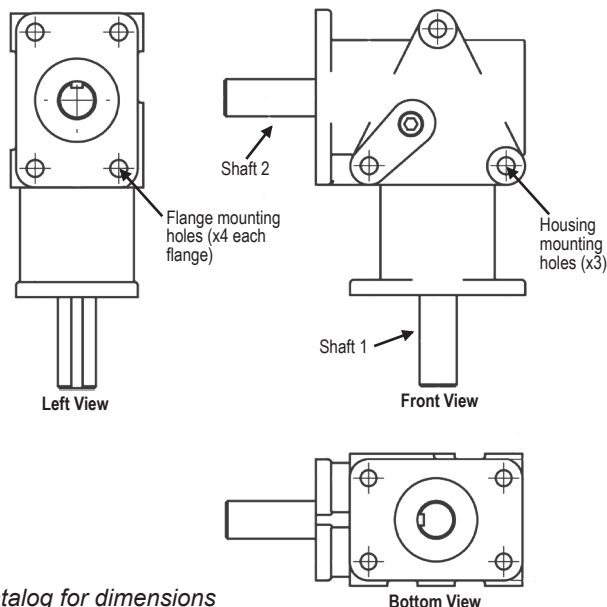
Weight of Lubricant (Approx.)*

**Assuming unit is totally empty of grease.

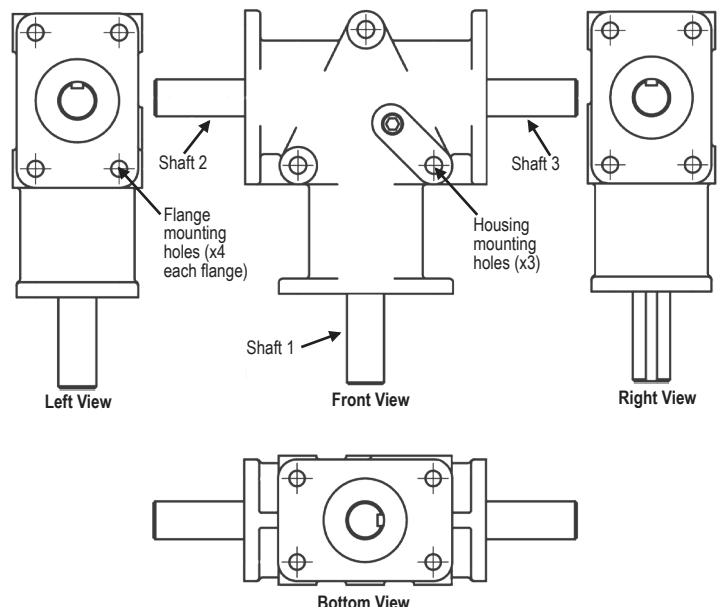


CAUTION: ROTATING EQUIPMENT IS POTENTIALLY DANGEROUS AND SHOULD BE PROPERLY GUARDED. IT IS THE RESPONSIBILITY OF THE MACHINE BUILDER, USER, OR OPERATOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND PROVIDE A SUITABLE GUARD. MAKE SURE THE MACHINE IS "LOCKED OUT" AND CANNOT BE ACCIDENTALLY STARTED DURING INSTALLATION OR MAINTENANCE OF CROWN DRIVE.

TWO WAY MODELS



THREE WAY & COUNTER ROTATING MODELS



*See catalog for dimensions