

# Slide-Rite™ Gearbox

## LUBRICATION & INSTALLATION REQUIREMENTS



MODELS:	Compact	Standard
	0120-0400	0220-0400
	0121-0400	0221-0400
	0122-0400	0222-0400
	0123-0400	0223-0400
	0124-0400	0224-0400
	0125-0400	0225-0400
		0226-0400
		0227-0400
		0228-0400
		0229-0400
		0230-0400
		0231-0400

### LUBRICATION:

#### DO NOT FILL WITH GREASE!

The Slide-Rite™ Gearbox has been lubricated at the factory and is ready for installation. For most applications the unit is greased for life.

- For light to moderate duty use, no additional lubrication is required.
- For severe duty use, periodic re-lubrication will be necessary to maintain optimum performance. Grease should be added to preserve the unit's performance every 1,500 hours of operation.
- When re-lubricating, inject Mobilith® SHC 460 or equivalent EP grease (maximum operating temperature of 300°F [149°C] or higher and EP rated) into gear case via the grease zerk provided. Re-lubrication amounts are as follows:
  - Standard Series; 1.0 oz. [30 ml]
  - Compact Series; 0.4 oz. [12 ml]
- Overfilling will cause a reduction in performance, excessive heat build up and potential failure.

### INSTALLATION:

- **SHAFT DIAMETER:** Tolerance of plus 0.000 in. to minus 0.002 in. is recommended and should have TIR runout within 0.002 in.
- **RECOMMENDED SHAFT MATERIAL:** Alloy steel or stainless steel shafting having a minimum hardness of RC40 or transmission grade shafting like 4140 or equivalent.
- **SHAFT FINISH:** In stationary applications the shaft finish should be 64 RMS or better. For traversing applications, the shaft finish should be at least 32 RMS.
- **SHAFT STRAIGHTNESS:** Should be straight within 0.0015 in. TIR per foot.

- **KEYWAY:** Should be made up to 0.001 in. oversize with respect to nominal. See table.

	Bore Size [in.]	Nominal Keyway W x D [in.]
<b>Compact Series</b>	1/2	1/8 x 1/16
	5/8	1/8 x 1/16
<b>Standard Series</b>	3/4	3/16 x 3/32
	1	1/4 x 1/8
	1-1/4	1/4 x 1/8

(Sharp edges of keyway should be avoided.)

- **SHAFT SUPPORT:** The shaft should be supported rigidly with either bearing blocks or pillow blocks to avoid excessive deflection.

### SERVICE:

- The Slide-Rite™ Gearbox is a non-serviceable item and should not be disassembled.
- Any damage caused while attempting to service or make modifications will invalidate the gearbox warranty.

### NOTE:

- Final selection/approval of the Slide-Rite™ Gearbox must be made by the end user after testing in their application to ensure acceptable performance.

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