

## Inspection and Preparation

- Upon delivery of the gearbox, confirm that you received the exact model specified on your purchase order.
- Inspect for shipping damage.
- Remove the protective covering from the output shaft.
- Clean and degrease the motor mounting surface and shaft, as well as the gearbox mounting surface, input hub bore, and shaft bushing (if included). This cleaning is very important for the shaft and bushing, to prevent slip during motion.

## Motor Mounting

- Remove the access hole plug, allowing access to the motor shaft clamp.
- Carefully align the input bore shaft bushing (if included) so that the gap in the bushing aligns with the gap in the input hub. It is also recommended that the motor shaft keyway (if present) aligns with the gap in the input hub clamp.
- Rotate the gearbox input hub so that the clamp bolt is aligned with the access hole. Loosen the clamp bolt.
- Remove the motor key (if supplied), as it is not required for proper installation and operation.
- Carefully slide the motor shaft into the gearbox input hub with motor shaft keyway (if present) aligned with gearbox input shaft clamp gap. Install the four motor flange bolts in a cross-wise pattern, to ensure proper alignment of motor to gearbox, tightening appropriately.
- Tighten the gearbox input shaft clamp bolt to the proper torque using a torque wrench (see table).
- Re-install the access hole plug into the motor adapter plate. Assembly is complete.

BOLT SIZE	TORQUE TIGHTENING	
	(Nm)	(in lbs)
<b>M3</b>	1.9	16.8
<b>M4</b>	4.3	38.1
<b>M5</b>	8.7	77
<b>M6</b>	15	133
<b>M8</b>	36	318
<b>M10</b>	71	628
<b>M12</b>	125	1106

## Safety Precautions

- Avoid use in wet or corrosive areas, unless the gearbox is specified for these environments.
- Ambient temperature in the area of the gearbox must be in the range of 0° to -40°C.
- The gearbox has been lubricated for its lifetime with appropriate grease and can be operated immediately. No re-lubrication is required.
- The gearbox must be firmly attached to a vibration-free frame or fixture.
- Items mounted to the output shaft must be installed carefully to avoid damage to the shaft, bearings, and seal.
- Ensure that the motor speed does not exceed the maximum RPM specified for the gearbox. Avoid excessive loads.
- Make sure driven machine is clear of all obstructions and all safety guards and covers are in place. At initial operation, check the direction of shaft rotation, then apply the load gradually.
- The gearbox is not designed to be disassembled.

## IP 65 Versions

For IP65 version of the gearbox, be sure to seal between the gearbox and motor interface with a sealant to ensure an IP65 rating of the gearbox / motor assembly. Also apply sealant to the shaft clamp access hole plug.