

Shaft Mount Speed Reducer

GEARBOX INSTALLATION

Satisfactory performance depends on proper installation, lubrication and maintenance. Therefore it is important that the instructions in the Installation and Maintenance leaflet, supplied with each gearbox, are followed carefully. Some of the important aspects of belt and torque-arm installation are listed below.

INSTALLATION

1. Install pulley on gearbox input shaft as close to the reducer as possible. See fig. 1. Failure to do this will cause excess loads in the input shaft bearings and could cause their premature failure.
2. Install motor and wedge belt drive with the belt pull at approximately 90° to the centre line between driven and input shafts. See fig. 2. This will permit tensioning of the wedge belt drive with the torque-arm which should preferably be in tension. If output hub runs anti-clockwise the torque arm should be positioned to the right. See fig. 3.
3. Install torque-arm fulcrum on a rigid support so that the torque-arm will be at approximately right angles to the centre line through the driven shaft and the torque arm case bolt. See fig. 4. Make sure there is sufficient take up in the turn-buckle for belt tension adjustment.

