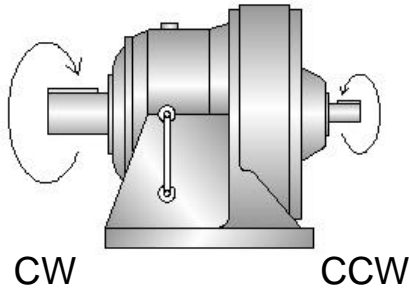


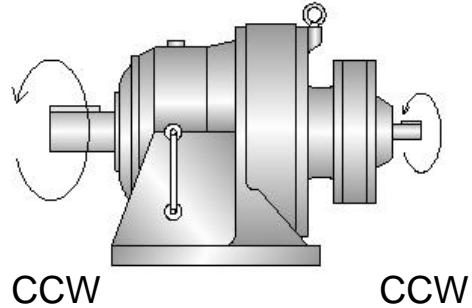
# Preventive Maintenance

## NOTE !

Single Reduction, 6:1 ~ 87:1  
Output Direction = Opposite of Input Direction



Double Reduction, 102:1 ~ 7569:1  
Output Direction = Input Direction



### □ PROPER LUBRICATION

Treat the DARALI® Cycloidal Reducer as your most precious automobile! The quality of lubricating oil has a direct influence on the service life of any speed reducer. Use appropriate type and amount of lubrication. Depending on ambient temperature, use high viscosity oil for high ambient temperature environment (i.e. summer), and use low viscosity oil for low ambient temperature environment (i.e. winter).

### □ RIGID INSTALLATION

Use bolts of ISO grade 8.8 minimum when mounting the foot or flange of the DARALI® Cycloidal Reducer to your equipment. Please make sure the foot or flange of speed reducer is tightened down rigidly to the mounting base. Loosened mounting bolts may cause the vibration of speed reducer which could eventually contribute to foot breakage. **Observe the mounting condition frequently.** If necessary, use higher grade fasteners and double nuts on each bolt.

### □ CORRECT INSTALLATION OF SPROCKET, CHAIN, SHEAVE, AND BELT

Proper installation of sprocket and chain can minimize overhung load on input and output shafts. **Apply anti-seize compound on the shaft before installing sheave and sprocket.** Sprockets and sheaves should be installed as close to the oil seal surface as possible. Chains should be slack on the non-pulling side. In addition, align sheaves and pulleys correctly. Practicing the above installation instructions can help decreasing the stress on shaft bearings. **Overtightening of chain or belt increases the overhung load on the speed reducer shaft dramatically.**

### □ ACCURATE ALIGNMENT OF COUPLING

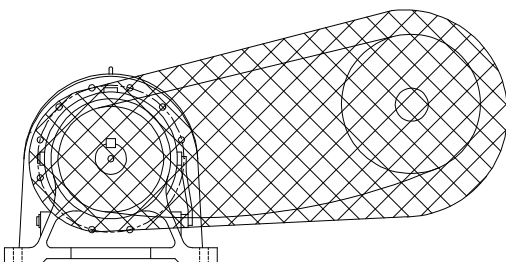
Make sure to align the shaft accurately when connecting the speed reducer to motor and/or driven machine. **Apply anti-seize compound on the shaft before installing coupling.**

### □ ALWAYS USE PROTECTION GUARDS FOR ROTATING SHAFTS

Protection guards for rotating shafts must be installed prior to use and thereafter must be used at all time. Install and operate DARALI®DRIVE in compliance with applicable local and national safety codes.

## ▲ WARNING

✓ SAFE !



✗ UNSAFE !

