

## Schmidt Offset Coupling L312C



### Mounting and Lubrication Instructions For Schmidt Offset Couplings

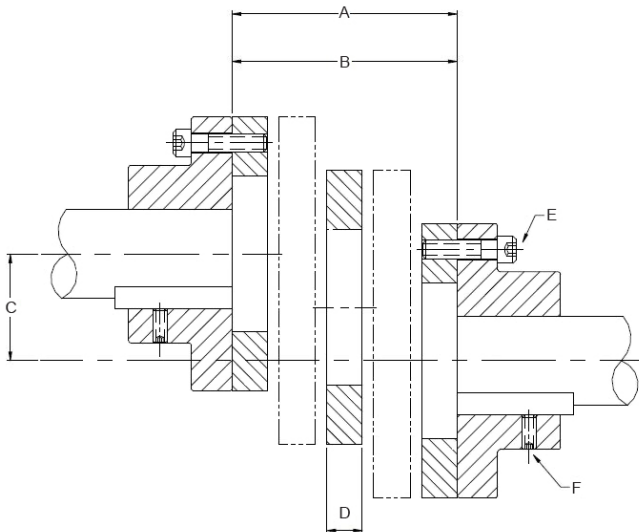
#### TOOLS REQUIRED

- Hex socket set
- Shaft alignment tools
- Cleaning cloth
- Caliper

The Schmidt Offset Coupling will function properly if these mounting, maintenance, and lubrication instructions are followed. Failure to observe these instructions may result in reduced coupling life.

**Note:** It is important that the following dimensions and tolerances are maintained before and during coupling operation.

#### MOUNTING



Position shafts and hubs according to the following values:

- **A:** Hub faces to be parallel within:..... 0.025 inch  
Speeds above **1000 rpm** should be **.015 inch** or less.  
**Note:** Minimizing angular misalignment will allow the coupling bearings to achieve their maximum lifetime.
- **B:** Distance between the hub faces: 7.62+/- .032 inch

- **C:** Minimum shaft displacement not less than: 2.500 inch  
Maximum shaft displacement not more than: 9.000 inch

**Note:** The Schmidt Offset Coupling cannot operate properly outside these limits.

- **D:** Mount coupling between hubs. After installation of the coupling, check that the center disc is free to move laterally a small amount (approximately 0.15"-.025"). Remove the handling bolt after coupling has been fixed to the hubs.
- **E:** Tighten hub bolts to the end of the coupling.
- **F:** Tighten setscrews in hub.

#### LUBRICATION INSTRUCTIONS

The Schmidt Offset Coupling should be lubricated after the first 200 hours of operation, and again as specified by the lubrication schedule below.

RPM	Under 500	500 to 1000	Over 1000
Lube Cycle	Every 1000 Hours	Every 500 Hours	Every 200 Hours

**Note:** Always make certain that the lubrication fittings are clean before adding lubricant to prevent the introduction of foreign matter into the bearings. Use standard Alemite flush-type fitting Z-737.

Recommended lubricant: Lithium Base NLGI #2.  
Use in very dusty or moist environments may require more frequent lubrication to purge out contaminants.

**⚠ 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 coupling.**

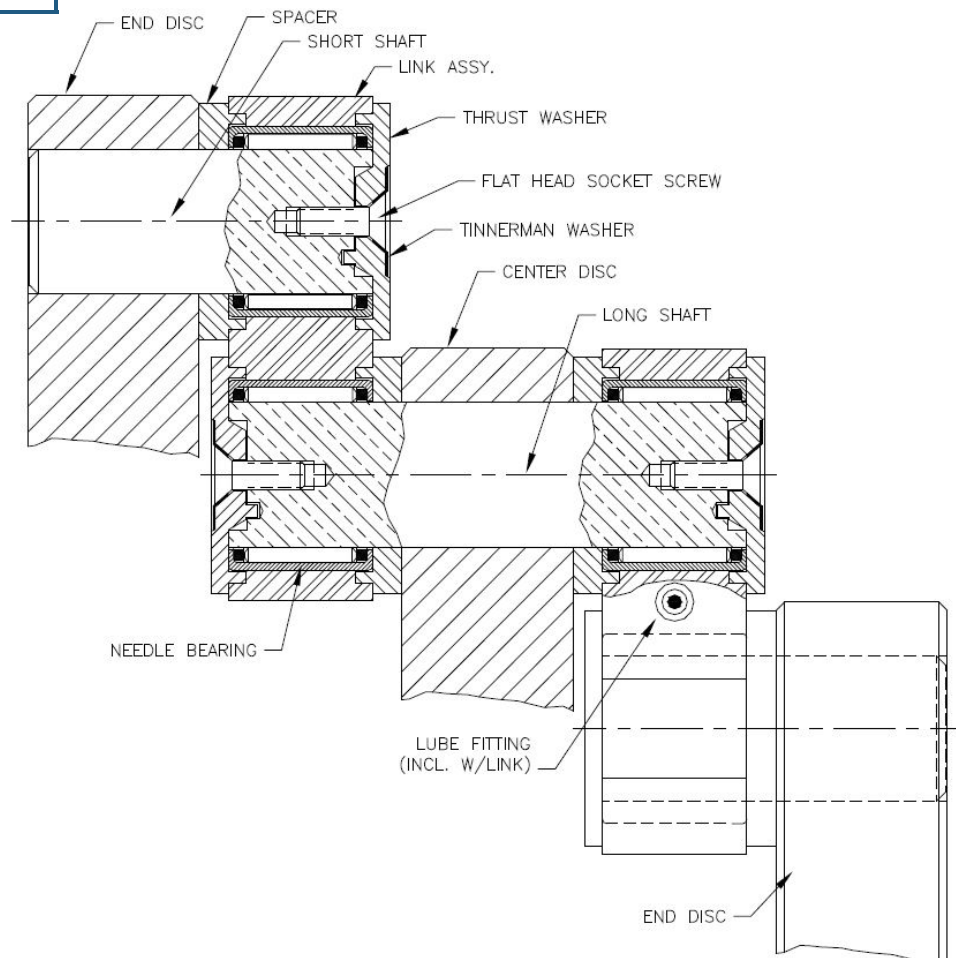
## Spare Parts For Schmidt Offset Coupling

Item Description	Item Number	Quantity Required Per Coupling
		L312C
Spacer	S953400	12
Thrust washer	S953500	12
Flat head screw	S457600	12
Tinnerman washer	S952300	12
Needle bearing	S501700	12
Link Assembly	S702250	6
Long shaft	S854400	3
Short shaft	S854600	6

## Rebuild Kits For Schmidt Offset Coupling

Standard rebuild kits are available for standard Schmidt Offset Couplings. Rebuild kits consist of links with needle bearings, spacers, thrust washers, Tinnerman washers, and flat head screws.

Coupling Model	Repair Kit Part No
L312C	S040770



**ZERO-MAX**