

SERIES "S" - COUPLING INSTALLATION AND MAINTENANCE INSTRUCTIONS

INSTALLATION

- 1) Make sure that all the proper coupling parts, keys, etc. are on hand.
- 2) Make sure that the prime mover is disconnected from the power source so that it cannot be started accidentally during installation.
- 3) Remove dirt and burrs from the shafts and coat with a suitable anti-galling lubricant.
- 4) Place one (1) snap ring and one (1) seal on each shaft. Be sure that the groove in the seals face toward the center of the coupling, the mold mark will be visible after the seals are installed in the coupling.
- 5) Insert keys in shaft keyways. Keys should have a snug fit to the sides of the keyways with slight clearance top to bottom.
- 6) Mount hubs on the shafts.
- 7) Slide the sleeve over the hub mounted on the longest shaft.
- 8) Align the shafts by placing the machines in their approximate positions. (Refer to Table No. 1 on back of sheet for the correct shaft separation.) Best coupling performance is obtained when the alignment is checked with dial indicators.

NOTE: Always rotate the hub on which the indicator is mounted.

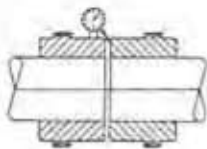


Figure 1.

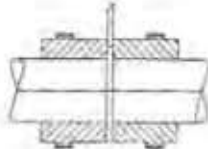


Figure 2.

A. Angular Alignment.

Check by mounting indicator on the body of one hub and placing the pointer on the end face of the other hub. (See Figure 1.) Adjust machines until the best possible alignment is obtained. As an alternate method, insert a feeler gage between the hubs at four points approximately 90° apart and adjust the machines. (See Figure 2.)

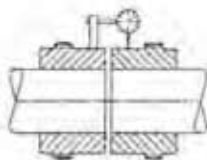


Figure 3.

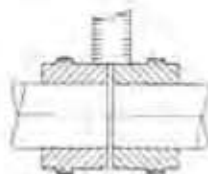


Figure 4.

B. Parallel Alignment.

Mount the indicator on the body of one hub and place the pointer on the body of the other hub. (See Figure 3.) Adjust machines until the indicator reading is the same at four points approximately 90° apart. As an alternate method, place a straight edge across one hub body and adjust the machines until the straight edge rests squarely on the other hub body. (See Figure 4.) This should be done at 90° intervals around the hub.

Securely tighten foundation bolts and recheck the alignment. Adjust the machines again, if necessary.

- 9) Assemble Coupling.
Coat hub teeth and body with coupling grease. Be sure sleeve teeth are free of dirt and burrs. Coat sleeve teeth with grease and lightly coat both seals with grease. Slide sleeve over hubs and center. Press seals in with a blunt tool until they are firmly seated against sleeve shoulders. Snap ring grooves should be completely visible. If the grooves are not visible, remove sleeve and carefully repeat steps 8 and 9. Insert snap rings in the grooves using a winding motion. Recheck to ensure that snap rings are positively seated and setscrews and lube plugs are tight.
- 10) Lubricate.
Remove pipe plugs from the sleeve with the position of the pipe plugs approximately 45° above and below horizontal and pump grease into the hole that is above horizontal until the grease flows from the hole that is below horizontal. Replace the pipe plugs making sure they are tightened firmly.

Note: Do not attempt to pump grease into the coupling by removing only one pipe plug.

CAUTION: INSTALL GUARDS AROUND COUPLING ACCORDING TO LOCAL AND NATIONAL CODES.