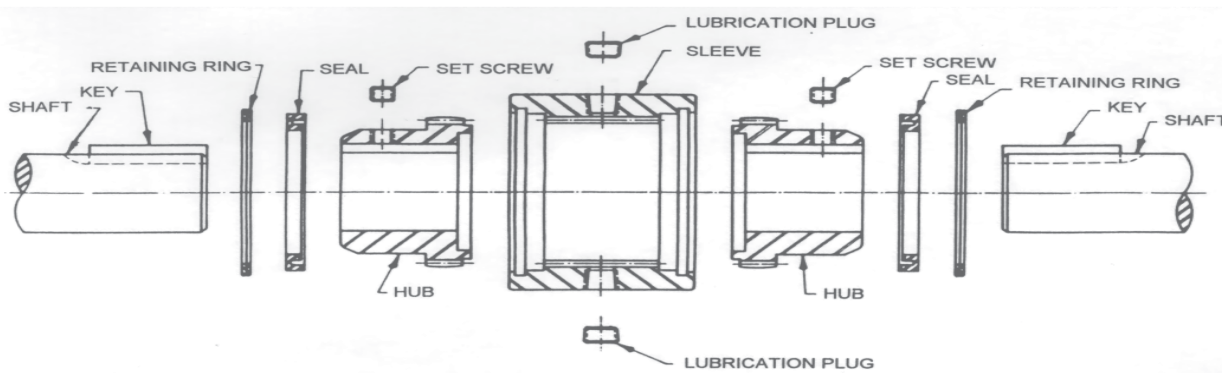


## C-Series Gear Coupling Installation And Maintenance Instruction



### Installation:

1. Check components to be the correct size and free of chips and burrs.
2. Place (1) retaining ring and (1) seal on each shaft. The seals need to be installed with the groove toward the shaft end and name toward the inboard side of the shaft.
3. Slide center sleeve over longest shaft. This sleeve and the above mentioned rings and seals should be slid far enough back not to interfere with hub installation.
4. Install the key into the shaft and the hubs on the shafts. If the hubs are interference fit to the shaft they will need to be heated in hot oil or an oven to 350° F to allow them to slide on the shafting. The gap between hubs should be between minimum and maximum gap for the coupling size as listed below. Tighten setscrews if present.

Gap	Size						
	7/8C	1-1/2C	2C	2-1/2C	3C	3-1/2C	4C
Min Gap	1/8	1/8	1/8	1/4	1/4	1/4	1/4
Max Gap	3/8	1/2	1/2	3/4	3/4	3/4	3/4

Gap	Size						
	4-1/2C	5C	6C	7C	9C	11C	12C
Min Gap	1/4	1/4	1/4	3/8	1/2	1/2	1/2
Max Gap	3/4	3/4	3/4	7/8	1	1	1

5. Check alignment of hubs with straight edge at 90° intervals. Adjust alignment by shimming or shifting driver or/and driven equipment.

Alignment	Size						
	7/8C	1-1/2C	2C	2-1/2C	3C	3-1/2C	4C
Angular	1°	1°	1°	1°	1°	1°	1°
Parallel	.005	.007	.007	.010	.012	.012	.007

Alignment	Size						
	4-1/2C	5C	6C	7C	9C	11C	12C
Angular	1/2°	1/2°	1/2°	1/2°	1/2°	1/2°	1/2°
Parallel	.007	.009	.010	.011	.013	.014	.014

6. Hand pack hubs and sleeve gear teeth with an coupling grease in compliance with AGMA9001-B97. Force some grease in between the hub ends to provide a lubrication reservoir. Lightly coat both seals.
7. Slide the sleeve into place over the two hubs. Using a blunt tool push the seals against the shoulder of the sleeve on each side. When the seal is properly seated the retaining ring groove is completely visible.
8. Insert retaining ring in groove on each end of the sleeve. Use a winding motion to install rings.
9. Prior to operation check retaining rings to be properly seated and the setscrews and grease plugs to be tight.
10. Install a coupling guard.

## Maintenance

Use a Grease that conforms with AGMA9001-B97

	Size						
Grease Capacity Weight (oz.)	7/8C	1-1/2C	2C	2-1/2C	3C	3-1/2C	4C
	1	1-1/2	2-3/4	5	8	12	16

	Size						
Grease Capacity Weight (oz.)	4-1/2C	5C	6C	7C	9C	11C	12C
	20	24	32	40	72	76	104

1. It is recommended that the coupling be completely flushed and relubricated after an initial break-in period of 3 million revolutions.
2. Under normal industrial conditions the coupling should be disassembled, cleaned, and inspected every year. More severe applications may require more frequent inspection.
3. To re-lubricate coupling without disassemble remove both lube plugs and position lube holes at 45° to horizontal. Force grease into top hole until clean grease flows from the bottom hole. Re-install plugs.
4. Should your coupling require disassembly for machinery maintenance, remove one of the snap rings and slide the sleeve off the hub. One seal will push off with the sleeve. Clean off all the old lubricant and inspect the parts and their teeth. If any of the parts or seals are worn replace before re-assembly. Re-install per the installation instructions.

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