

# Instruction Manual

## DODGE® Chain Couplings

These instructions must be read thoroughly before installation or operation.

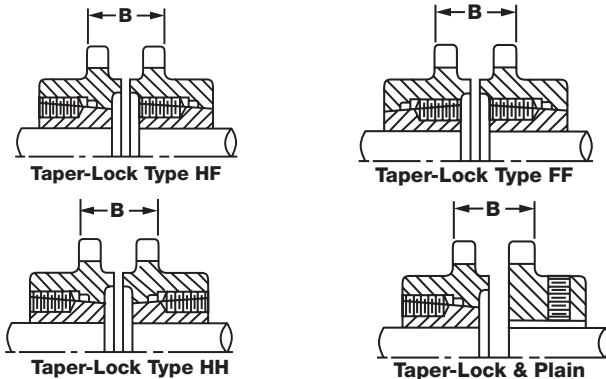
### INSTALLATION:

1. If cover is to be used slip one of the rubber rings on each shaft. For selection and direction of assembly of rubber rings see Figure 2 and 3 on page 2.
2. Install flanges on shaft. If flanges are Taper- Lock install per instructions on [www.dodge-pt.com](http://www.dodge-pt.com).
3. Locate connected machines. To allow for shaft "end float" space flanges "B" distance apart. Shaft ends must not project.

**Table 1**

Coupling No.	4012 4016	5012 5016 5018	6018 6020	8018 8020	10020	12020
"B"	27/32	1-1/32	1-11/32	1-11/36	2-1/16	2-11/16

4. Align shaft. Some parallel and angular misalignment usually develops in usage because of shifting of the driving end driven units. Therefore, the shaft must be aligned as accurately as possible during installation to minimize wear. It will result in far longer service life with lower maintenance and operating cost.
5. Wrap chain around flanges and secure ends. Chain should move freely on flanges when coupling is properly aligned.
6. If cover is to be used slide the rubber rings on the flange hubs and against the chain. Ring is designed larger than cover to provide a good seal.
7. Follow lubrication instructions on page 2.



**Figure 1**

**WARNING:** Because of the possible danger to persons(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by Baldor Electric Company nor are the responsibility of Baldor Electric Company. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

### Lubrication of Coupling without Cover

8. Brush thoroughly at least once a week with a medium body (30W) machine or engine oil or with a good quality roller bearing grease of medium consistency. Particular attention to lubrication is required for coupling operating at high speeds relubricate frequently as required.

**Note:** Operation above the following speeds without a cover is not recommended.

**Table 2**

Coupling No.	4016 4016 5012	5012 5016 5018	6018 6020	8018 8020	10020	12020
Speed (rpm)	875	800	675	500	450	400

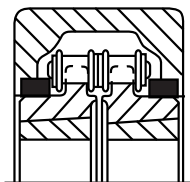
### Lubrication of Coupling with Cover

9. Work a good quality roller bearing grease of soft or medium consistency into the chain around its perimeter, being careful to completely lubricate the chain rollers and teeth. Apply a small amount of grease around the perimeter and the outside edge of the rubber rings.

10. Apply a coating of grease approximately 1/8" thick to the inside of the cover halves.

11. Place one cover half around the coupling and put the gaskets on the exposed cover ends. Put the remaining cover half in place, add cover screws and tighten alternately and evenly.

12. Inspect unit periodically for proper amount of grease.

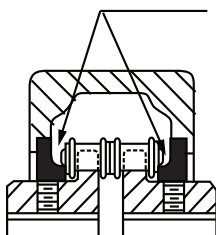


**Use Rectangular Shaped Rubber Ring for the Following Sizes:**

**Gaskets**

4016	—	099011	099006
5018	—	099012	099007
6020	—	099013	099008
8020	—	099014	099009
10020	—	099070	099010
12020	—	099071	099016

**Figure 2**



**Note: Extended Lip must turn in**

**Use "L" Shaped Rubber Ring for the Following Sizes:**

**Part #**

4012	—	099065
5016	—	099066
6018	—	099067
8018	—	099068
10018	—	099069

**Figure 3**



**BALDOR**

P.O. Box 2400, Fort Smith, AR 72902-2400 U.S.A., Ph: (1) 479.646.4711, Fax (1) 479.648.5792, International Fax (1) 479.648.5895

**Dodge Product Support**

6040 Ponders Court, Greenville, SC 29615-4617 U.S.A., Ph: (1) 864.297.4800, Fax: (1) 864.281.2433

[www.baldor.com](http://www.baldor.com)