

Cam Followers – Stud & Yoke Type

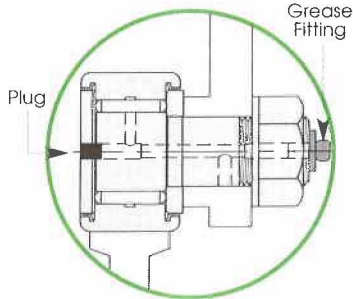


Fig. 1 Lubrication Through Thread-End

Fig. 1 shows the re-lubrication path through the threaded-end of the stud (white area). The head-end is properly closed off using one of the two the plugs provided with each cam follower. Due to diameter constraints of the stud, smaller cam followers cannot be re-lubricated through the threaded-end.

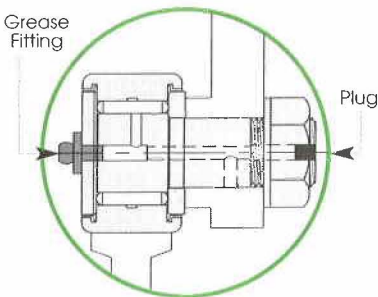


Fig. 2 Lubrication Through Head-End

Fig. 2 shows the re-lubrication path through the head-end of the stud (white area). The threaded-end is properly closed off using one of the two the plugs provided with each cam follower.

Note: Smaller cam followers with hex-drive socket can only be re-lubricated through threaded-end. See dimensional charts.

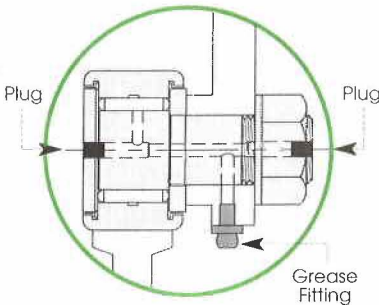


Fig. 3 Lubrication Through Center-Hole

Fig. 3 shows the re-lubrication path through the cross-drilled hole in the stud of the cam follower (white area). A lubrication grease fitting must be installed in the housing of the equipment. In this case, the threaded-end and head-end are properly closed off using both of the plugs provided with each cam follower.

Lubrication

Cam Followers and Cam Yoke Rollers are packed at the factory with a petroleum-base, lithium grease with extreme pressure and corrosive resistant additives. This lubricant is suitable for most bearing applications within a temperature range of -30 °F to 250 °F. Re-lubrication in service can be accomplished with any non-soap based roller bearing grease or oil. Special greases or oils can be specified if required.

Frequency of lubrication will depend upon the speed of bearing rotation, contaminants present in the application and the type of lubricant used. In continuously rotating applications, constant oil lubrication or frequent grease lubrication may be necessary.

Stud-Type Cam Followers can be re-lubricated in three areas: through either end of the stud (head-end or threaded-end) or through the cross-drilled hole in the stud. The four smallest size cam followers (CR-1/2, CR-9/16, CR-5/8, CR-11/16) can be re-lubricated through the head-end only due to the diameter constraints of the stud. The axial lubrication hole in the stud is linked to a radial hole in the raceway of the bearing allowing the lubricant to reach the needles. The ends of the stud are counter-bored and precision-reamed to accept a drive-type lubrication grease fitting (not furnished). Two precision-machined plugs are supplied with each cam follower and should be pressed into the unused re-lubrication holes in the end of the studs. The housing that the cam follower is mounted into serves to block the cross-drilled re-lubrication hole in the stud when the re-lubrication hole is not being used. (See Fig 1 & 2).

Yoke Rollers can be re-lubricated through the oil holes that are drilled in the inner race of the bearing. The mounting pin that supports the bearing must be drilled so that lubrication hole lines up with the oil hole in the bearing.

For grease re-lubrication of the Cam Follower **CR** Series and **HR** Series, the following drive type fittings are suggested:

Cam Follower Size	Lubrication Fitting
CR-1/2 to CR-11/16 HR-1/2 to HR-5/8	1/8" Alemite Fitting #3019
CR-3/4 to CR-23/4 HR-3/4 to HR-23/4	3/16" Alemite Fitting #1728-B, #1633, #1645-B, #3005, #3006, #3009, #3012-BB
CR-3 to CR-4 HR-3 to HR-4	1/4" Alemite Fitting #1743 or #1743-B
CR-5 to CR-6	1/4" N.P.T. fitting