

For the previous generation SKF HMV(C) Hydraulic Nuts

Application

The SKF Drive-up Method is the preferred method for mounting Spherical Roller and CARB® bearings on tapered seatings. The SKF hydraulic nut drive-up adapter allows the previous generation of HMV nuts to be used with the SKF Drive-up Method. The adapter can be used with nuts from size HMV(C) 42 to HMV(C) 200. The adapter kit is not required for the current generation of HMV(C)...E nuts. The adapter should not be used with other brands of hydraulic nuts, as there is a risk that the SKF drive-up values could be compromised.

Description

The SKF Drive-up Method is done in two stages. The first stage is to drive the bearing up the tapered seating to the starting position, by applying the correct hydraulic pressure to the HMV nut. The second stage is to drive the bearing up the required distance. The pressure and distance can be obtained from tables, the SKF Drive-up Method CD ROM (ref MP 3600) or from the internet site SKF.com/mount.

The adapter is used in conjunction with a dial indicator to monitor the second stage. A pump with a highly accurate digital pressure gauge monitors the pressure for the first stage.

The target piece must be mounted to the outer edge of the nut piston. Refer to the instructions for means of mounting the target pin. Note: Nuts from size HMV 42-54 have hardened pistons, use the appropriate drill type when fitting the pin.



Drill hole in piston



Tap in target pin



Mount the adapter on nut.

The adapter is fitted to the backside of the nut body by means of magnets. A dial indicator is fitted to the adapter. The end of the dial indicator presses against the target pin. The displacement of the target pin is displayed on the dial indicator. This movement corresponds to the piston displacement. Three target pins are supplied with the adapter

Maintenance

When the adapter is not in use, protect the magnetic surfaces from contamination. As the adapter is used in conjunction with measurement instruments, keep the adapter in a clean condition.

Designation	Description
HMVA 42/200	Hydraulic nut drive-up adapter

Use in conjunction with SKF dial indicator types, TMCD 1/2R, TMCD 10R or TMCD 5P



