SUBJECT: NEW DESIGN MAIN ROTOR DRIVE SHAFT THRUST BEARING.

MODELS EFFECTED: 269D/330 Model Helicopters.

Initially the 269A5050-63 main rotor drive shaft thrust bearing was used on all three Schweizer model helicopters: the 269C/300C, 269C-1/300CB and 269D/330. However, the model 269D/330SP helicopter has been certified with a new main rotor system (i.e. large hub and long tab main rotor blades) featuring both a higher gross weight and higher speed envelope. Therefore, to assure improved service life at these higher weights and speeds, Schweizer has introduced a new 269A5050-95 main rotor drive shaft thrust bearing for use on all 269D/330 helicopters using the new large main rotor hub.

All 269D/330 helicopters beginning with serial number 26 will be delivered with the new 269A5050-95 thrust bearing. When purchasing a replacement thrust bearing for helicopters equipped with the large main rotor hub, you must order the 269A5050-95 bearing. Earlier model 269D/330 helicopters equipped with small main rotor hubs and all 269C and 269C-1 helicopters manufactured by Schweizer Aircraft Corp. will continue to use 269A5050-63 thrust bearings. If the owner or operator so desires, the new 269A5050-95 may be used in these model helicopters.

In the 269D/330 helicopter, the installation, inspection, maintenance and lubrication of the -95 bearing is the same as the -63 bearing. The 269D/330 model helicopter main rotor drive shaft thrust bearing service life limit of 2000 hours applies to the -95 bearing. See the applicable maintenance publications for life limits when the bearing is installed in the other helicopters.

You can identify the difference in these bearings by looking at the exposed edge of the ball cage. If the cage has a grove in the middle of the edge, it is a -63 bearing. If the cage edge is flat or solid in appearance, it is a -95 bearing (see illustration).
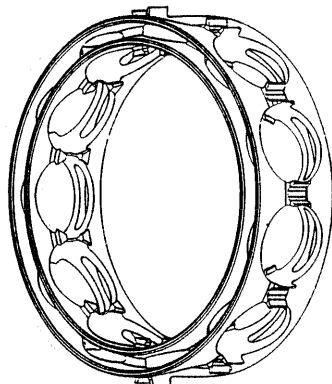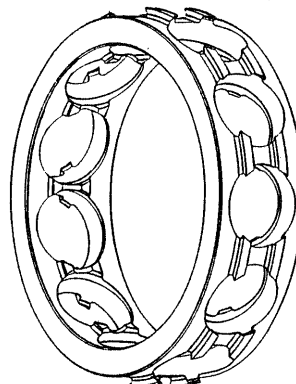
269A5050-63   269A5050-95

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