

Conveyor Bearing Mounting Tips



Before mounting a bearing, use the following tips to ensure smooth and efficient operation:

- Measure the dimensions of the shaft, housing and related parts and record on a journal inspection chart
- Measure the dimensions of the shaft and housing at four points circumferentially and three points axially
- The fit between the housing and bearing in conveyor pulleys is an ISO H8 fit (loose). To assist in inserting a bearing into its housing, cool the bearing or use the proper tool. Do not cool bearings below -40°F (40°C) when cooling them for fitting into the housing
- Obtain a straight bore bearing inner ring's interference fit on the shaft by using one of NSK's bearing heaters. If a bearing heater is not available, use a jack-up nut, a piece of tubing, a pusher, or other suitable contact with only the ring that is being fitted with an interference fit
- When heating a bearing for installation, never heat it over 250°F (120°C)
- Avoid applying a load to the cage or rolling elements during installation
- Fit the packing and oil seal in the seal plate only after the seal has been soaked in oil for several hours
- First pack the labyrinth grooves with grease, then install the spacing collar and balance the weight and pulley