

RBC Loader Slot Bearings

GENERAL FEATURES AND TECHNICAL SPECIFICATIONS

Outer Ring, Race

The outer ring is precisely machined to provide maximum race to ball conformity. Race can be furnished with face grooves or chamfers for staking either the race or the housing.

Construction

The loader slot configuration is of metal-to-metal design and may be used in areas where outer ring strength is critical. These bearings provide misalignment and high load carrying capacity, and the ability to remove and replace the spherical ball.

Inner Ring, Ball

A fully hardened ball provides strength when clamped in the application. Ball may contain a lubrication groove and holes to accommodate relubrication needs.

Materials

Various materials are used in loader slot bearings. Races: 17-4PH, 15-5PH, Inconel®-718 (high temp applications)

Balls: 440C, 52100 chrome plated, PH13-8Mo, Stellite® 6.

Design Features

Race and ball wear surfaces may also be provided with a dry-film lubricant to reduce friction.

