



SKF CARB® Toroidal bearing Cylindrical bore Full complement With sealing

CARB® bearings are single row bearings with long, slightly barrel-shaped symmetrical rollers. The outer ring has a torus-shaped raceway with a profile radius extending beyond the centre of the bearing. The inner ring raceway is shaped accordingly. CARB® toroidal roller bearings combine the self-aligning capability of spherical roller bearings with the axial displacement ability of cylindrical roller bearings. CARB® bearings can also have the compact cross section and high load carrying capacity normally associated with needle roller bearings.

They are intended exclusively as non-locating bearings. They can simplify locating/non-locating bearing arrangements because thermal expansion of the shaft can be accommodated within the bearing virtually without friction. Bearing arrangements consisting of a spherical roller bearing in the locating position and a CARB® bearing in the non-locating position provide a space- and weight-saving bearing arrangement with a low cost of ownership. CARB® bearings can reduce noise and vibration levels, for example, in paper machines and fans.

Sealed CARB® bearings

The assortment of sealed bearings consists of small and medium-size full complement bearings with a cylindrical bore. These bearings, which are typically used in applications where there are low speeds and very heavy loads, can accommodate inner or outer ring rotation. The seals are designed for long service life and make the bearings virtually relubrication-free. Sealed bearings have a double lip contact HNBR seal on one or both sides [designation suffix CS5 or 2CS5]. The seals are reinforced with a sheet steel insert. Sealed CARB® bearings are filled with a highquality grease that has good corrosion inhibiting properties.

Characteristics

Series: CARB®

Bore: Cylindrical bore

With sealing: Yes