



## SKF-Spherical roller bearings

### 1. Prefix:

BS2. Two row spherical roller bearing, special dimensions and/or features

ECB. Air melt carburized steel, inner ring only, replaced by HA3

ZE. Bearings with SensorMount feature

### 2. Internal design:

E. Two pressed window-type hardened steel cages, an inner ring without flanges and a floating guide ring centered on the inner ring ( $d \leq 65$  mm) or on the cages ( $d > 65$  mm). Optimized internal design for increased load carrying capacity. Includes the W33 feature.

CC. Two pressed window-type steel cages, an inner ring without flanges and a floating guide ring centered on the inner ring

CA, CAC. Machined double prong-type brass cage, an inner ring with a retaining flange on both sides and a floating guide ring centered on the inner ring

ECA, ECAC. Large CA design bearings with the designation suffix ECA and ECAC have an optimized internal design for increased load carrying capacity

### 3. Bore type:

- . Cylindrical bore

K . Bearing with 1 to 12 tapered bore

K30. Bearing with 1 to 30 tapered bore



#### 4. Cage designs:

J. Pressed steel cage, inner ring centered (usually omitted with E or CC suffixes)

JA. Hardened pressed steel cage, hardened outer ring centered guide ring (for vibratory applications)

M. Machined brass cage, rolling element centered (usually omitted with CA suffix)

MA. Machined brass cage, outer ring guided (usually omitted with CA suffix)

M2. Heavy duty machined brass cage for vibratory equipment F Machined steel cage, rolling element centered

FA. Machined steel cage, outer ring centered

#### 5. Seals:

-2CS. Contact seal, NBR, on both sides

-2CS2. Contact seal, FKM, on both sides

-2CS5. Contact seal, HNBR, on both sides

-2RS. Improved design contact seal, NBR, on both sides

-2RS2. Improved design contact seal, FKM, on both sides

-2RS5. Improved design contact seal, HNBR, on both sides

#### 6. Clearance / tolerance:

C1. Clearance < C2

C2. Clearance < Normal (C0)\* Normal clearance

C3. Clearance > Normal C4 Clearance >

C3C08. RBEC 5 running accuracy, inner & outer rings C083 C08 + C3 C084 C08 + C4

#### 7. Features:

W4. High point of eccentricity marked on inner ring or sleeve. W22. Special reduced outside diameter tolerance for outer ring. W26. Six lubrication holes in inner ring. W31. Bearing inspected to special quality requirement W33 Three oil holes and circumferential groove in outside diameter. W33X. Lubrication groove and six holes in outer ring. W502. Combination of W22 & W33 W507 Combination of W4, W31 & W33 W509 Combination of W26, W31 & W33 HA1 Case hardened outer and inner rings HA3 Case hardened inner rings (equal to ECB) VA405 Specification for vibrating applications VA406 PTFE-lined bore VA751- VA759 Specification for high precision applications (printing, embossing, coating) VT143 SKF grease LGEP2 supplied in sealed spherical roller bearings VE552(E) Outer ring with three equally-spaced threaded holes in one side face to accommodate lifting tackle. The E indicates that three appropriate hoist rings are supplied with the bearing. VT143 SKF grease LGEP 2 filled to 25 - 45% in sealed spherical roller bearing GEM9 SKF grease LGHB 2 filled to 70 - 100% in sealed spherical roller bearing W64 Solid Oil lubricants