BELGO BEARINGS

About Us

BELGO INDUSTRY is specialized in manufacturing high quality bearings for the needs of industrial applications.

Thanks to our advanced technology and specialization in bearings, which eventually bring high quality products in affordable prices and leading time.

We ensure you high quality and service in your industrial applications.You can always count on our expert advice and flexible service.

BELGO INDUSTRY - BELGIUM
Address: Breughelpark 1, 1731 Brussels / BELGIUM
Phone Number: +32 488 33 54 44
Fax: +32 485 99 92 60
E-Mail: info@belgo-bearings.com
Website: www.belgo-bearings.com

BELGO BEARINGS

SPHERICAL ROLLER BEARINGS

Go For Revolutionary Engineering

Spherical Roller Bearings

Spherical roller bearings which are self-aligning and consist of two rows of rollers common two inner ring raceway and a common sphered outer ring raceway that provides to be used for high loads in extreme severe applications.

This type of bearings can accommodate radial and axial loads in both directions.

Belgo spherical roller bearings are manufactured with the latest available technology so that they can easily handle contamination, high temperatures,shocks, misalignment at the time of high radial loads even at high speeds.

Belgo spherical roller bearings are available in many series and versions (from 25 mm bore up to 1 800 mm bore) :

213 / 222 / 223 / 230 / 231 / 232 / 239 / 240 / 241

C : Symmetrical rollers, flangeless inner ring, a non - integral guide ring and a floating rib with pressed metal cage

CA : Symmetrical rollers and retaining ribs with one - piece brass cage

MA : Retaining flanges guided on the inner ring and two - piece machined brass cage guided on the other ring

MAC4F80 : A special design for vibration applications with machined brass cage on the outer ring

MB : Retaining flanges guided on the inner ring central fixed rib with two - piece machined brass cage

Stability Designation	Maximum Operating Temperature	
	°C	°F
S0	150	302
SI	200	392
S2	250	482
S3	300	572
S4	350	662

ADVANCED FEATURES WITH BELGO SPHERICAL ROLLER BEARINGS

Manufacturing

All the Belgo spherical roller bearings are manufactured according to ISO & DIN standard with 3 lubrication holes on the outer ring as a standard lubrication groove (W33). Due to this advanced feature, the lubricant flows between the roller paths via a single lubrication fitting. The diameters of spherical roller bearings are indicated in ISO 15.

Also, Belgo spherical roller bearings can be manufactured in tailored - made which are larger clearances than standard C3, C4, C5 or smaller clearances than C2 upon our customers' requests.

In terms of their bore, they could have either cylindrical or tapered bore (1 :30 - suffix K30 for 240 and 241 series and 1: 12 - suffix K for other series).

Bearing Material limitations

Standard spherical roller bearings with an outside diameter above 240 mm are stabilized up to +200°C (392°F). Small sized bearings are able to be operated up to +120°C (250°F).

According to the DIN standard 623, the operating temperature list is indicated as here below :

MB : 2 piece Machined Brass cage 'Mth asymmetrical rdlers guided on the inner ring

CA : 1 piece brass cage with symmetiical rollers and a floating guided centre rib and side shoulders

C : Pressed metal cage with asymmetrical rollers and a floating centre rib

Spherical Roller Thrust Bearings

Spherical roller thrust bearings provide optimum performance at the time of high speeds for heavy loads due to accommodating heavy axial loads which are transmitted from one raceway to the other under angle of 45 degrees. In addition to that, this type of bearings have also carrying capacity up to 55 degrees for the thrust radial loads. The diameters of spherical roller thrust bearings are indicated in DIN 728 and ISO 104. Also, they are mainly lubricated with oil.

Belgo spherical roller thrust bearings provide low friction, roller alignment and high capacity as well as absorbing misalignment during the operation.

Belgo spherical roller thrust bearings are available in different series and versions :

292 / 293 /294

E : increased load ratings with steel cage

EM : increased load ratings with brass cage

M : with brass cage

Without any suffix : with steel cage