

FAG

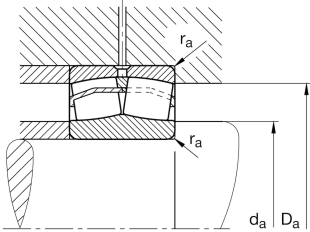
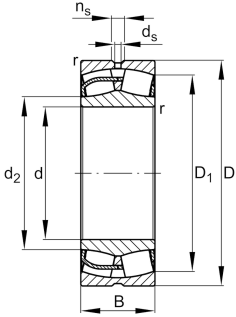
**23144-BE-XL-C3**

Spherical Roller Bearing

Spherical roller bearing 231...-BE-XL,  
symmetric with rib washer

X-life

## Teknik bilgiler



## Mevcut ürün modeliniz

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

## Main Dimensions &amp; Performance Data

d	220 mm	Bore diameter
D	370 mm	Outside diameter
B	120 mm	Width
C <sub>r</sub>	1.860.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.700.000 N	Basic static load rating, radial
C <sub>ur</sub>	223.000 N	Fatigue load limit, radial
n <sub>G</sub>	1.860 1/min	Limiting speed
n <sub>gr</sub>	1.080 1/min	Reference speed
≈m	50,625 kg	Ağırlık



### Mounting dimensions

$d_{a \min}$	237 mm	Minimum diameter shaft shoulder
$D_{a \max}$	353 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius

### Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$D_1$	323 mm	Bore diameter outer ring
$d_2$	254,8 mm	Raceway diameter of the inner ring
$d_s$	9,5 mm	Diameter lubrication hole
$n_s$	17,7 mm	Width of lubricating groove

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

### Calculation factors

$e$	0,31	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,15	Dynamic axial load factor
$Y_2$	3,2	Dynamic axial load factor
$Y_0$	2,1	Static axial load factor



### Özellikleri

-  Radyal yük
-  Tek yönde eksenel yük
-  İki yönde eksenel yük
-  Gres yağlama
-  Yağ ile yağlama
-  Kontaklı
-  Büyük rulman
-  Statik açısal hata ve yanlış hizalama
-  Dinamik açısal hata ve yanlış hizalama