

FAG

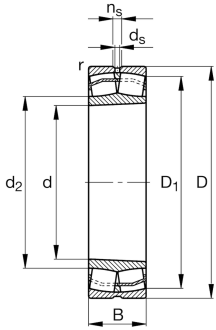
**22319-E1-XL-K-C4**

## Spherical Roller Bearing

Spherical roller bearings 223...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

## Teknik bilgiler



## Mevcut ürün modeliniz

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	

## Main Dimensions &amp; Performance Data

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	67 mm	Width
C <sub>r</sub>	670.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	700.000 N	Basic static load rating, radial
C <sub>ur</sub>	61.000 N	Fatigue load limit, radial
n <sub>G</sub>	3.700 1/min	Limiting speed
n <sub>gr</sub>	2.800 1/min	Reference speed
m	9,677 kg	Ağırlık



### Mounting dimensions

$d_{a \min}$	109 mm	Minimum diameter shaft shoulder
$d_{a \max}$	115 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	186 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$d_b \min$	105 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	171,2 mm	Bore diameter outer ring
$d_2$	116 mm	Raceway diameter of the inner ring
$d_s$	6,3 mm	Diameter lubrication hole
$n_s$	12,2 mm	Width of lubricating groove

### Temperature range

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

### Calculation factors









$e$	0,33	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,03	Dynamic axial load factor
$Y_2$	3,02	Dynamic axial load factor
$Y_0$	1,98	Static axial load factor

### Additional information

H2319	Adapter sleeve
AHX2319	Withdrawal sleeve



### Özellikleri

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