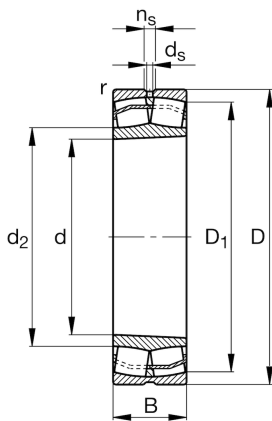
**22324-E1-XL-K-C3**

## Spherical Roller Bearing

Schaeffler ID:  
0190008710030

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

## Technical information



## Main Dimensions &amp; Performance Data

d	4,724 in	Bore diameter
D	10,236 in	Outside diameter
B	3,386 in	Width
C <sub>r</sub>	242.805,755 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	263.039,568 lbf	Basic static load rating, radial
C <sub>ur</sub>	23.606,115 lbf	Fatigue load limit, radial
n <sub>G</sub>	2.850 1/min	Limiting speed
n <sub>gr</sub>	2.000 1/min	Reference speed
	47,527 lbs	Weight

## Mounting dimensions

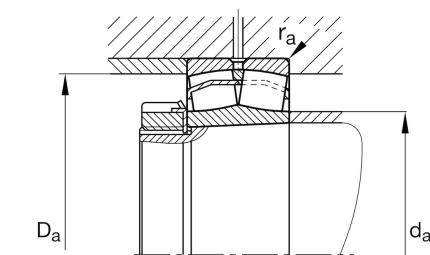
d <sub>a min</sub>	5,276 in	Minimum diameter shaft shoulder
d <sub>a max</sub>	5,906 in	Maximum diameter of shaft shoulder
D <sub>a max</sub>	9,685 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,098 in	Maximum recess radius
d <sub>b min</sub>	5,157 in	Minimum cavity diameter of the sleeve
B <sub>a min</sub>	0,276 in	Minimum cavity width of the sleeve

## Dimensions

r <sub>min</sub>	0,118 in	Minimum chamfer dimension
D <sub>1</sub>	8,756 in	Bore diameter outer ring
d <sub>2</sub>	5,933 in	Raceway diameter of the inner ring
d <sub>s</sub>	0,315 in	Diameter lubrication hole
n <sub>s</sub>	0,591 in	Width of lubricating groove

## Temperature range

T <sub>min</sub>	-22 °F	Operating temperature min.
T <sub>max</sub>	392 °F	Operating temperature max.



**Calculation factors**

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,06	Dynamic axial load factor
Y <sub>2</sub>	3,06	Dynamic axial load factor
Y <sub>0</sub>	2,01	Static axial load factor

**Additional information**

H2324	Adapter sleeve
AHX2324G	Withdrawal sleeve