

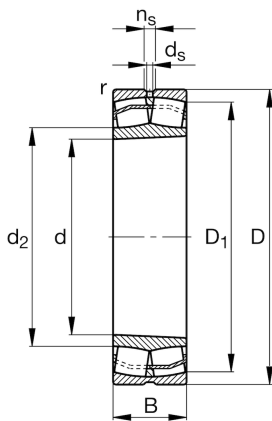
**22213-E1-XL-K-C3**

Spherical Roller Bearing

Schaeffler ID:
0167037740030

Spherical roller bearings 222...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information



Main Dimensions & Performance Data

d	2,559 in	Bore diameter
D	4,724 in	Outside diameter
B	1,22 in	Width
C _r	45.413,669 lbf	Basic dynamic load rating, radial
C _{0r}	47.212,23 lbf	Basic static load rating, radial
C _{ur}	5.957,734 lbf	Fatigue load limit, radial
n _G	7.000 1/min	Limiting speed
n _{gr}	4.200 1/min	Reference speed
	3,254 lbs	Weight

Mounting dimensions

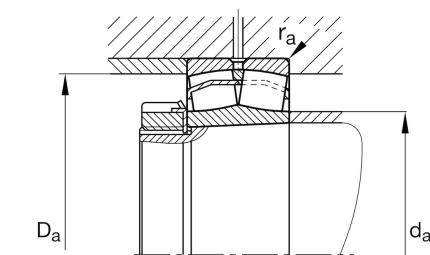
d _{a min}	2,913 in	Minimum diameter shaft shoulder
d _{a max}	3,11 in	Maximum diameter of shaft shoulder
D _{a max}	4,37 in	Maximum diameter of housing shoulder
r _{a max}	0,059 in	Maximum recess radius
d _{b min}	2,756 in	Minimum cavity diameter of the sleeve
B _{a min}	0,315 in	Minimum cavity width of the sleeve

Dimensions

r _{min}	0,059 in	Minimum chamfer dimension
D ₁	4,224 in	Bore diameter outer ring
d ₂	3,114 in	Raceway diameter of the inner ring
d _s	0,126 in	Diameter lubrication hole
n _s	0,256 in	Width of lubricating groove

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	392 °F	Operating temperature max.



Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,81	Dynamic axial load factor
Y ₂	4,19	Dynamic axial load factor
Y ₀	2,75	Static axial load factor

Additional information

H313	Adapter sleeve
AH313G	Withdrawal sleeve