



FAG

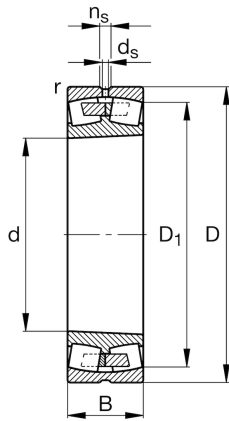
22224-E1A-XL-K-M

Spherical Roller Bearing

Schaeffler ID:
0190175370000Spherical roller bearing 222...-E1A-XL-K-M,
symmetric 2 outer ribs

X-life

Technical information



Main Dimensions & Performance Data

d	4,724 in	Bore diameter
D	8,465 in	Outside diameter
B	2,283 in	Width
C_r	143.884,892 lbf	Basic dynamic load rating, radial
C_{0r}	166.366,906 lbf	Basic static load rating, radial
C_{ur}	15.737,41 lbf	Fatigue load limit, radial
n_G	3.650 1/min	Limiting speed
n_{gr}	2.700 1/min	Reference speed
	19,07 lbs	Weight

Mounting dimensions

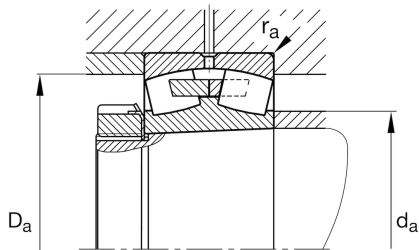
$d_{a \min}$	5,197 in	Minimum diameter shaft shoulder
$D_{a \max}$	7,992 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum recess radius
$d_{a \max}$	5,551 in	Maximum diameter of shaft shoulder
$d_{b \min}$	5,039 in	Minimum cavity diameter of the sleeve
$B_{a \min}$	0,433 in	Minimum cavity width of the sleeve

Dimensions

r_{\min}	0,083 in	Minimum chamfer dimension
D_1	7,559 in	Bore diameter outer ring
d_2	5,587 in	Raceway diameter of the inner ring
d_s	0,248 in	Diameter lubrication hole
n_s	0,48 in	Width of lubricating groove

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	392 °F	Operating temperature max.



Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,71	Dynamic axial load factor
Y ₂	4,04	Dynamic axial load factor
Y ₀	2,65	Static axial load factor

Additional information

H3124	Adapter sleeve
AHX3124	Withdrawal sleeve