



FAG

23126-E1A-XL-K-M-C3

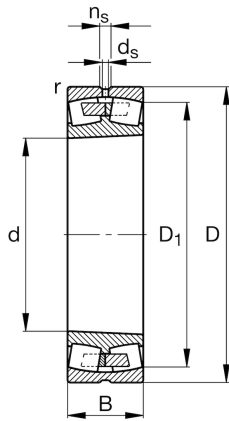
Spherical Roller Bearing

Schaeffler ID:
0190309080030

Spherical roller bearings 231..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

d	5,118 in	Bore diameter
D	8,268 in	Outside diameter
B	2,52 in	Width
C_r	152.877,698 lbf	Basic dynamic load rating, radial
C_{0r}	200.089,928 lbf	Basic static load rating, radial
C_{ur}	18.210,432 lbf	Fatigue load limit, radial
n_G	3.200 1/min	Limiting speed
n_{gr}	2.110 1/min	Reference speed
	18,519 lbs	Weight

Mounting dimensions

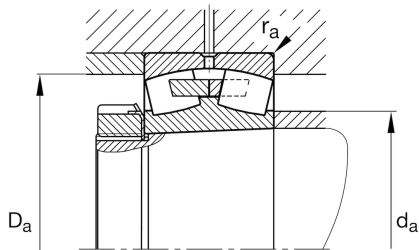
$d_{a \min}$	5,551 in	Minimum diameter shaft shoulder
$D_{a \max}$	7,835 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,079 in	Maximum recess radius
$d_{a \max}$	5,866 in	Maximum diameter of shaft shoulder
$d_{b \min}$	5,433 in	Minimum cavity diameter of the sleeve
$B_{a \min}$	0,315 in	Minimum cavity width of the sleeve

Dimensions

r_{\min}	0,079 in	Minimum chamfer dimension
D_1	7,374 in	Bore diameter outer ring
d_s	0,189 in	Diameter lubrication hole
n_s	0,374 in	Width of lubricating groove

Temperature range

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



Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,45	Dynamic axial load factor
Y ₂	3,64	Dynamic axial load factor
Y ₀	2,39	Static axial load factor

Additional information

H3126	Adapter sleeve
AHX3126	Withdrawal sleeve