

FAG

23024-E1A-XL-M-C4

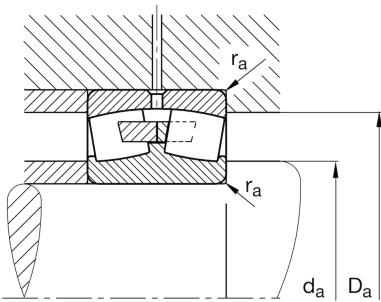
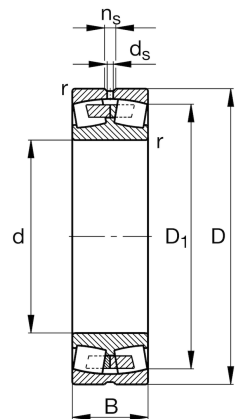
Spherical Roller Bearing

Schaeffler ID:
0167063400040

Spherical roller bearings 230...-E1A, main
dimensions to DIN 635-2

X-life

Technical information



Main Dimensions & Performance Data

d	4,724 in	Bore diameter
D	7,087 in	Outside diameter
B	1,811 in	Width
C _r	96.672,662 lbf	Basic dynamic load rating, radial
C _{0r}	130.395,683 lbf	Basic static load rating, radial
C _{ur}	13.489,209 lbf	Fatigue load limit, radial
n _G	3.950 1/min	Limiting speed
n _{gr}	2.800 1/min	Reference speed
	8,869 lbs	Weight

Mounting dimensions

d _{a min}	5,071 in	Minimum diameter shaft shoulder
D _{a max}	6,74 in	Maximum diameter of housing shoulder
r _{a max}	0,079 in	Maximum recess radius

Dimensions

r _{min}	0,079 in	Minimum chamfer dimension
D ₁	6,484 in	Bore diameter outer 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	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,04	Dynamic axial load factor
Y ₂	4,53	Dynamic axial load factor
Y ₀	2,97	Static axial load factor