

FAG

23126-E1A-XL-K-M

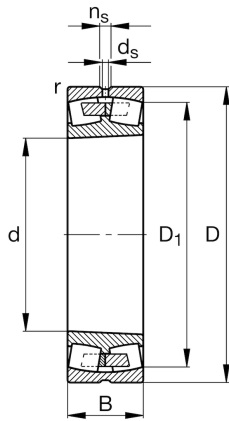
Spherical roller bearing

Schaeffler ID:
0190309080000

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	130,00 mm	Bore diameter
D	210,00 mm	Outside diameter
B	64,00 mm	Width
C _r	680.000,00 N	Basic dynamic load rating, radial
C _{0r}	890.000,00 N	Basic static load rating, radial
C _{ur}	81.000,00 N	Fatigue load limit, radial
n _G	3.200,00 1/min	Limiting speed
n _{gr}	2.110,00 1/min	Reference speed
	8,21 kg	Weight

Mounting dimensions

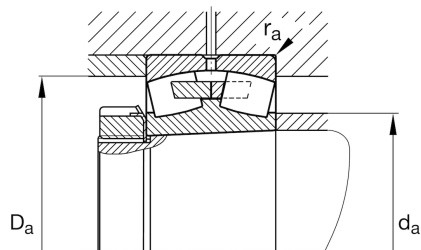
d _{a min}	141,00 mm	Minimum diameter shaft shoulder
D _{a max}	199,00 mm	Maximum diameter of housing shoulder
r _{a max}	2,00 mm	Maximum recess radius
d _{a max}	149,00 mm	Maximum diameter of shaft shoulder
d _{b min}	138,00 mm	Minimum cavity diameter of the sleeve
B _{a min}	8,00 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2,00 mm	Minimum chamfer dimension
D ₁	187,30 mm	Bore diameter outer ring
d _s	4,80 mm	Diameter lubrication hole
n _s	9,50 mm	Width of lubricating groove

Temperature range

T _{min}	-30,00 °C	Operating temperature min.
T _{max}	200,00 °C	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