

FAG

★ 23034-E1A-XL-K-M

Spherical roller bearing

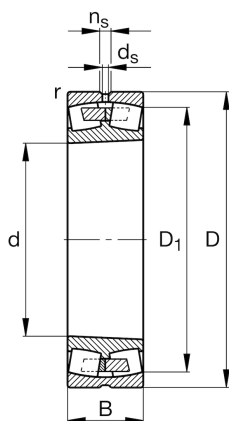
Schaeffler ID:
0190256290000

Spherical roller bearings 230...E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

★ Preferred product

X-life

Technical information



Temperature range

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

12,024 kg Weight

Main Dimensions & Performance Data

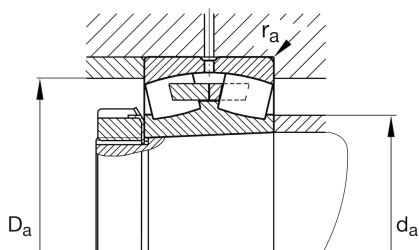
d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	67 mm	Width
C _r	880.000 N	Basic dynamic load rating, radial
C _{0r}	1.230.000 N	Basic static load rating, radial
C _{ur}	151.000 N	Fatigue load limit, radial
n _G	2.800 1/min	Limiting speed
n _{gr}	1.890 1/min	Reference speed

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
d _s	6,3 mm	Diameter lubrication hole
n _s	12,2 mm	Width of lubricating groove

Mounting dimensions

d _{a min}	180,2 mm	Minimum diameter shaft shoulder
D _{a max}	249,8 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
d _{a max}	190 mm	Maximum diameter of shaft shoulder
d _{b min}	179 mm	Minimum cavity diameter of the sleeve
B _{a min}	8 mm	Minimum cavity width of the sleeve



Additional information

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3034	Adapter sleeve
Y ₁	2,98	Dynamic axial load factor
	AH3034	Withdrawal sleeve
Y ₂	4,44	Dynamic axial load factor
Y ₀	2,92	Static axial load factor