

FAG

23122-E1-XL-K-TVPB

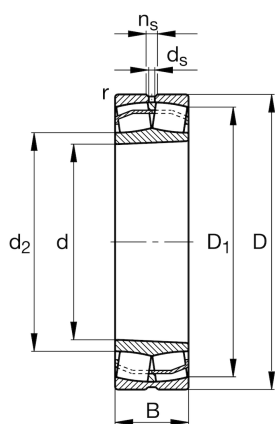
Spherical roller bearing

Schaeffler ID:
0190013040000

Spherical roller bearings 231...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

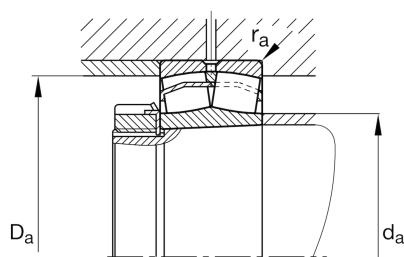
d	110 mm	Bore diameter
D	180 mm	Outside diameter
B	56 mm	Width
C _r	530.000 N	Basic dynamic load rating, radial
C _{0r}	680.000 N	Basic static load rating, radial
C _{ur}	62.000 N	Fatigue load limit, radial
n _G	3.700 1/min	Limiting speed
n _{gr}	2.550 1/min	Reference speed
	5,102 kg	Weight

Additional information

	H3122	Adapter sleeve
r _{min}	2 mm	Minimum chamfer dimension
D ₁	160 mm	Bore diameter outer ring
	AHX3122	Withdrawal sleeve
d ₂	124,6 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 mm	Width of lubricating groove

Mounting dimensions

d _{a min}	121 mm	Minimum diameter shaft shoulder
D _{a max}	169 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
B _{a min}	7 mm	Minimum cavity width of the sleeve
d _{a max}	124 mm	Maximum diameter of shaft shoulder
d _{b min}	117 mm	Minimum cavity diameter of the sleeve



Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,39	Dynamic axial load factor
Y ₂	3,56	Dynamic axial load factor
Y ₀	2,34	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.