

FAG

★ 23130-E1A-XL-K-M

Spherical roller bearing

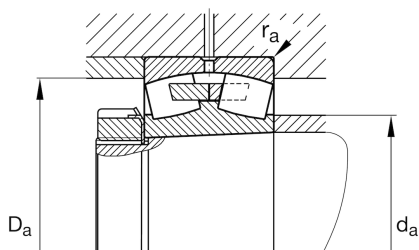
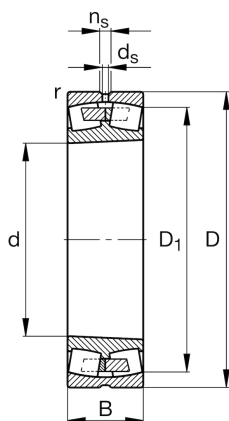
Schaeffler ID:
0190013550000

Spherical roller bearings 231...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.
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T_{max}	200 °C	Operating temperature max.
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	15,078 kg	Weight
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Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	250 mm	Outside diameter
B	80 mm	Width
C_r	1.000.000 N	Basic dynamic load rating, radial
C_{0r}	1.330.000 N	Basic static load rating, radial
C_{ur}	145.000 N	Fatigue load limit, radial
n_G	2.650 1/min	Limiting speed
n_{gr}	1.720 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	220,8 mm	Bore diameter outer ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	162 mm	Minimum diameter shaft shoulder
$D_{a max}$	238 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$d_{a max}$	170 mm	Maximum diameter of shaft shoulder
$d_{b min}$	160 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	8 mm	Minimum cavity width of the sleeve

Additional information

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3130	Adapter sleeve
Y ₁	2,32	Dynamic axial load factor
	AHX3130G	Withdrawal sleeve
Y ₂	3,45	Dynamic axial load factor
Y ₀	2,26	Static axial load factor