

FAG

★ 23122-E1A-XL-K-M

Spherical roller bearing

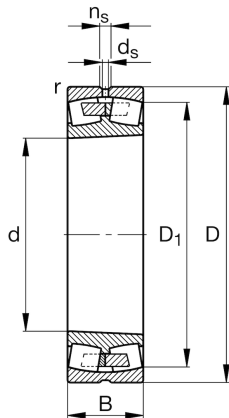
Schaeffler ID:
0190305090000

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.
T_{max}	200 °C	Operating temperature max.
	5,36 kg	Weight

Main Dimensions & Performance Data

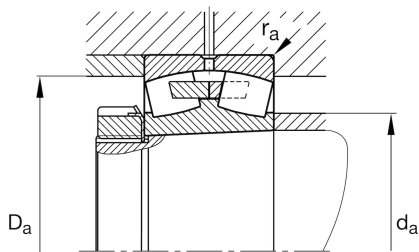
d	110 mm	Bore diameter
D	180 mm	Outside diameter
B	56 mm	Width
C_r	530.000 N	Basic dynamic load rating, radial
C_{0r}	680.000 N	Basic static load rating, radial
C_{ur}	62.000 N	Fatigue load limit, radial
n_G	3.700 1/min	Limiting speed
n_{gr}	2.550 1/min	Reference speed

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	160 mm	Bore diameter outer 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
$d_{a max}$	127 mm	Maximum diameter of shaft shoulder
$d_{b min}$	117 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	7 mm	Minimum cavity width of the sleeve



Additional information

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3122	Adapter sleeve
Y ₁	2,41	Dynamic axial load factor
	AHX3122	Withdrawal sleeve
Y ₂	3,59	Dynamic axial load factor
Y ₀	2,35	Static axial load factor