

FAG

★ 23144-BE-XL-K

Spherical roller bearing

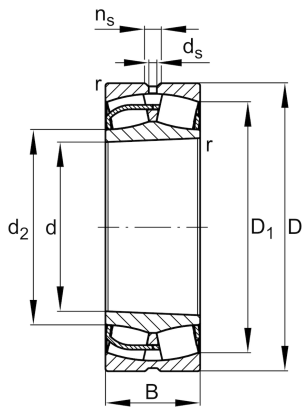
Schaeffler ID:
0617464870000

★ Preferred product

X-life

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

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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	49,05 kg	Weight
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Main Dimensions & Performance Data

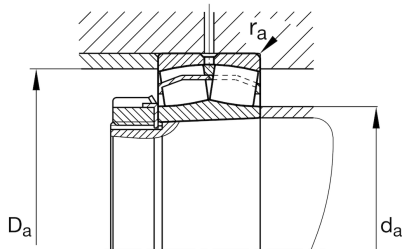
d	220 mm	Bore diameter
D	370 mm	Outside diameter
B	120 mm	Width
C_r	1.860.000 N	Basic dynamic load rating, radial
C_{0r}	2.700.000 N	Basic static load rating, radial
C_{ur}	223.000 N	Fatigue load limit, radial
n_G	1.860 1/min	Limiting speed
n_{gr}	1.080 1/min	Reference speed

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	323 mm	Bore diameter outer ring
d_2	254,8 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	237 mm	Minimum diameter shaft shoulder
$d_{a max}$	253 mm	Maximum diameter of shaft shoulder
$D_{a max}$	353 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius
$d_{b min}$	233 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	10 mm	Minimum cavity width of the sleeve



Additional information

	H3144X	Adapter sleeve
e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,15	Dynamic axial load factor
	AH3144	Withdrawal sleeve
Y ₂	3,2	Dynamic axial load factor
Y ₀	2,1	Static axial load factor