

FAG

★ 23040-E1A-XL-K-M

Spherical roller bearing

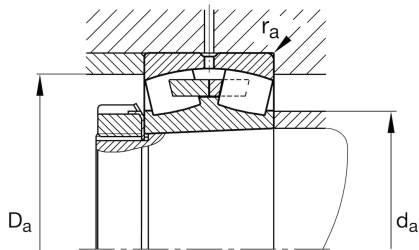
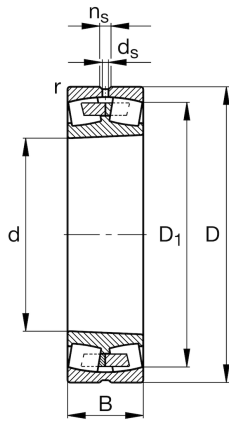
Schaeffler ID:
0167068890000

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.
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T_{max}	200 °C	Operating temperature max.
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	21,657 kg	Weight
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Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	310 mm	Outside diameter
B	82 mm	Width
C_r	1.270.000 N	Basic dynamic load rating, radial
C_{0r}	1.800.000 N	Basic static load rating, radial
C_{ur}	206.000 N	Fatigue load limit, radial
n_G	2.330 1/min	Limiting speed
n_{gr}	1.550 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	281,6 mm	Bore diameter outer ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	210,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	299,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$d_{a max}$	223 mm	Maximum diameter of shaft shoulder
$d_{b min}$	210 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	10 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
	H3040	Adapter sleeve
Y ₁	2,9	Dynamic axial load factor
	AH3040G	Withdrawal sleeve
Y ₂	4,31	Dynamic axial load factor
Y ₀	2,83	Static axial load factor