

FAG

★ 23138-E1A-XL-K-M

Spherical roller bearing

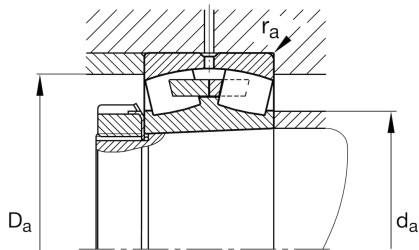
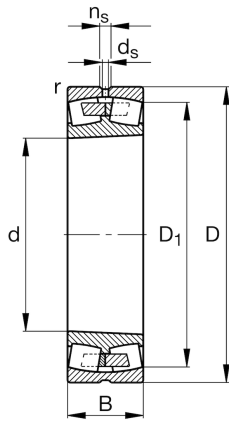
Schaeffler ID:
0167078500000

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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	32,723 kg	Weight
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Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	320 mm	Outside diameter
B	104 mm	Width
C_r	1.610.000 N	Basic dynamic load rating, radial
C_{0r}	2.220.000 N	Basic static load rating, radial
C_{ur}	222.000 N	Fatigue load limit, radial
n_G	2.070 1/min	Limiting speed
n_{gr}	1.260 1/min	Reference speed

Dimensions

r_{min}	3 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

$d_{a min}$	204 mm	Minimum diameter shaft shoulder
$D_{a max}$	306 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,5 mm	Maximum recess radius
$d_{a max}$	216 mm	Maximum diameter of shaft shoulder
$d_{b min}$	202 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	9 mm	Minimum cavity width of the sleeve

Additional information

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3138	Adapter sleeve
Y ₁	2,28	Dynamic axial load factor
	AH3138G	Withdrawal sleeve
Y ₂	3,39	Dynamic axial load factor
Y ₀	2,23	Static axial load factor