

FAG

★ 23220-E1A-XL-K-M

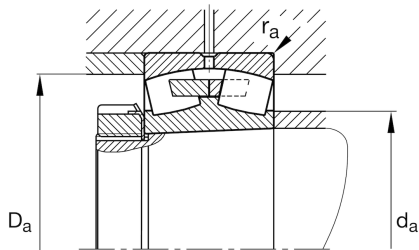
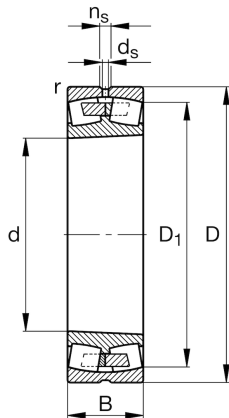
Spherical roller bearing

Schaeffler ID:
0190352760000Spherical roller bearings 232...-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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	6,39 kg	Weight
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Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60,3 mm	Width
C_r	560.000 N	Basic dynamic load rating, radial
C_{0r}	660.000 N	Basic static load rating, radial
C_{ur}	61.000 N	Fatigue load limit, radial
n_G	3.750 1/min	Limiting speed
n_{gr}	2.410 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	156,7 mm	Bore diameter outer ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	112 mm	Minimum diameter shaft shoulder
$D_{a max}$	168 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$d_{a max}$	120 mm	Maximum diameter of shaft shoulder
$d_{b min}$	110 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	19 mm	Minimum cavity width of the sleeve

Additional information

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2320	Adapter sleeve
Y ₁	2,15	Dynamic axial load factor
	AHX3220	Withdrawal sleeve
Y ₂	3,2	Dynamic axial load factor
Y ₀	2,1	Static axial load factor