

FAG

★ 23128-E1-XL-K-TVPB

Spherical roller bearing

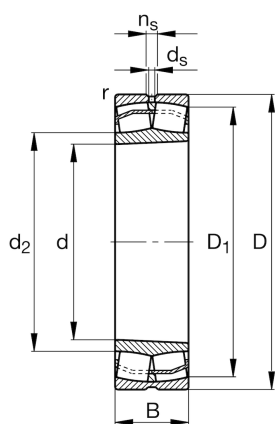
Schaeffler ID:
0190311900000

Spherical roller bearings 231...E1-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}	120 °C	Operating temperature max.
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	9,394 kg	Weight
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Main Dimensions & Performance Data

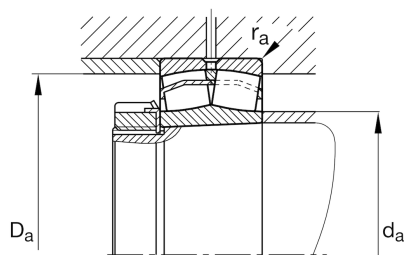
d	140 mm	Bore diameter
D	225 mm	Outside diameter
B	68 mm	Width
C_r	760.000 N	Basic dynamic load rating, radial
C_{0r}	1.010.000 N	Basic static load rating, radial
C_{ur}	90.000 N	Fatigue load limit, radial
n_G	3.000 1/min	Limiting speed
n_{gr}	1.930 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	201 mm	Bore diameter outer ring
d_2	157,1 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	152 mm	Minimum diameter shaft shoulder
$D_{a max}$	213 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$B_{a min}$	8 mm	Minimum cavity width of the sleeve
$d_{a max}$	157 mm	Maximum diameter of shaft shoulder
$d_{b min}$	149 mm	Minimum cavity diameter of the sleeve



Additional information

	H3128	Adapter sleeve
e	0,27	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,49	Dynamic axial load factor
	AHX3128	Withdrawal sleeve
Y ₂	3,71	Dynamic axial load factor
Y ₀	2,43	Static axial load factor