

FAG

23128-E1A-XL-K-M

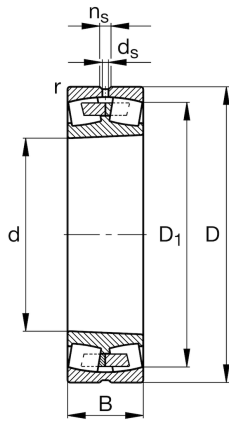
Spherical roller bearing

Schaeffler ID:
0190311650000

Spherical roller bearings 231..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information

**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
	9,915 kg	Weight

Mounting dimensions

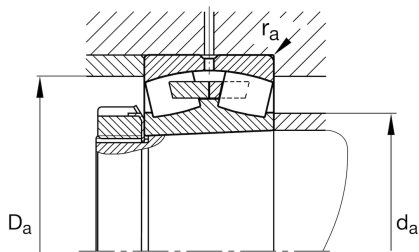
$d_{a \min}$	152 mm	Minimum diameter shaft shoulder
$D_{a \max}$	213 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{a \max}$	159 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	149 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

Dimensions

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

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.



Calculation factors

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
Y ₂	3,71	Dynamic axial load factor
Y ₀	2,43	Static axial load factor

Additional information

H3128	Adapter sleeve
AHX3128	Withdrawal sleeve