

FAG**23222-E1A-XL-M**

Spherical roller bearing

Schaeffler ID:
0190015680000Spherical roller bearings 232..-E1A, main
dimensions to DIN 635-2

X-life

Technical information

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	69,8 mm	Width
C _r	710.000 N	Basic dynamic load rating, radial
C _{0r}	870.000 N	Basic static load rating, radial
C _{ur}	73.000 N	Fatigue load limit, radial
n _G	3.250 1/min	Limiting speed
n _{gr}	2.100 1/min	Reference speed
	9,556 kg	Weight

Additional information

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	172,7 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}	122 mm	Minimum diameter shaft shoulder
D _{a max}	188 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius

Calculation factors

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,06	Dynamic axial load factor
Y ₂	3,06	Dynamic axial load factor
Y ₀	2,01	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.