

FAG

22330-E1A-XL-M-C4

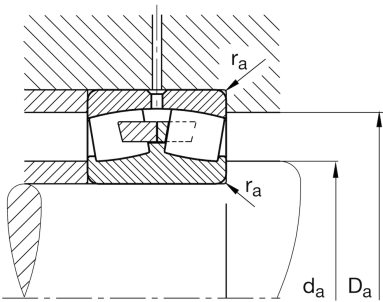
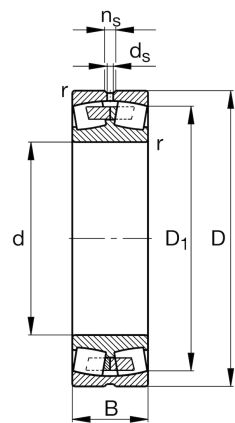
Spherical roller bearing

Schaeffler ID:
0190225650040

Spherical roller bearing 223...E1A-XL-M,
symmetric 2 outer ribs

X-life

Technical information



Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	273,2 mm	Bore diameter outer ring
d ₂	185,3 mm	Raceway diameter of the inner ring
d _s	9,5 mm	Diameter lubrication hole
n _s	17,7 mm	Width of lubricating groove
	41 kg	Weight

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	320 mm	Outside diameter
B	108 mm	Width
C _r	1.640.000 N	Basic dynamic load rating, radial
C _{0r}	1.850.000 N	Basic static load rating, radial
C _{ur}	151.000 N	Fatigue load limit, radial
n _G	2.290 1/min	Limiting speed
n _{gr}	1.520 1/min	Reference speed

Mounting dimensions

d _{a min}	167 mm	Minimum diameter shaft shoulder
D _{a max}	303 mm	Maximum diameter of housing shoulder
r _{a max}	3 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	2,02	Dynamic axial load factor
Y ₂	3	Dynamic axial load factor
Y ₀	1,97	Static axial load factor

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