

FAG

22252-BEA-XL-MB1

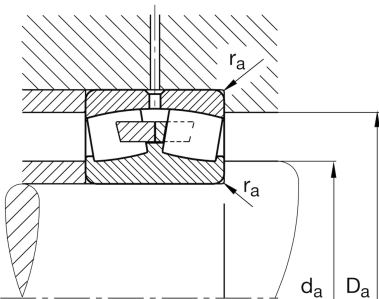
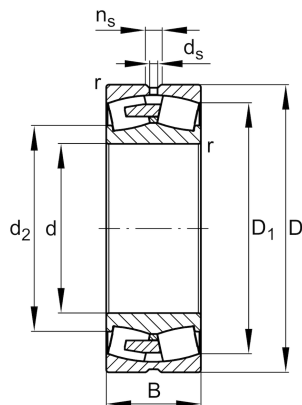
Spherical roller bearing

Schaeffler ID:
0834290340000

Spherical roller bearing 222...-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information



Main Dimensions & Performance Data

d	260 mm	Bore diameter
D	480 mm	Outside diameter
B	130 mm	Width
C _r	2,600,000 N	Basic dynamic load rating, radial
C _{0r}	3,450,000 N	Basic static load rating, radial
C _{ur}	295,000 N	Fatigue load limit, radial
n _G	1,720 1/min	Limiting speed
n _{gr}	1,070 1/min	Reference speed
	103.125 kg	Weight

Mounting dimensions

d _{a min}	280 mm	Minimum diameter shaft shoulder
D _{a max}	460 mm	Maximum diameter of housing shoulder
r _{a max}	4 mm	Maximum recess radius

Dimensions

r _{min}	5 mm	Minimum chamfer dimension
D ₁	415.1 mm	Bore diameter outer ring
d _s	12.5 mm	Diameter lubrication hole
n _s	23.5 mm	Width of lubricating groove

Temperature range

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

Calculation factors		
e	0.26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.57	Dynamic axial load factor
Y ₂	3.83	Dynamic axial load factor
Y ₀	2.52	Static axial load factor