

FAG

23188-BEA-XL-MB1

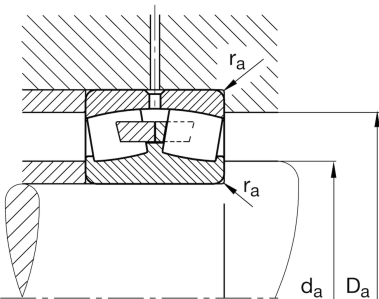
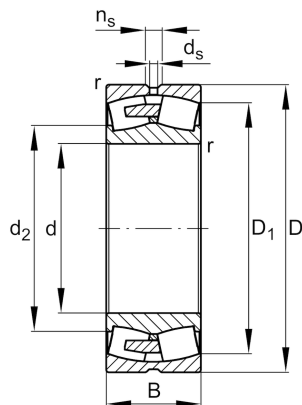
Spherical roller bearing

Schaeffler ID:
0863257100000

Spherical roller bearing 231...-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information



Main Dimensions & Performance Data

d	440 mm	Bore diameter
D	720 mm	Outside diameter
B	226 mm	Width
C _r	6,200,000 N	Basic dynamic load rating, radial
C _{0r}	10,200,000 N	Basic static load rating, radial
C _{ur}	700,000 N	Fatigue load limit, radial
n _G	820 1/min	Limiting speed
n _{gr}	430 1/min	Reference speed
	361 kg	Weight

Mounting dimensions

d _{a min}	466 mm	Minimum diameter shaft shoulder
D _{a max}	694 mm	Maximum diameter of housing shoulder
r _{a max}	5 mm	Maximum recess radius

Dimensions

r _{min}	6 mm	Minimum chamfer dimension
D ₁	630.2 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	0.3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.25	Dynamic axial load factor
Y ₂	3.34	Dynamic axial load factor
Y ₀	2.2	Static axial load factor