

FAG

23176-BEA-XL-MB1

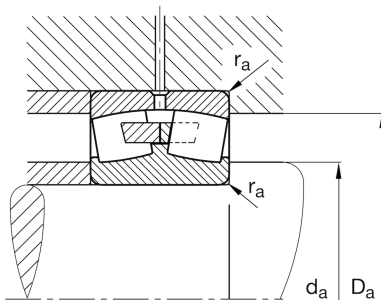
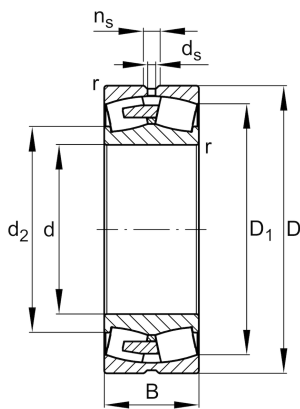
Spherical Roller Bearing

Schaeffler ID:
0846684310000

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

X-life

Technical information



Main Dimensions & Performance Data

d	380 mm	Bore diameter
D	620 mm	Outside diameter
B	194 mm	Width
C _r	4.700.000 N	Basic dynamic load rating, radial
C _{0r}	7.600.000 N	Basic static load rating, radial
C _{ur}	540.000 N	Fatigue load limit, radial
n _G	990 1/min	Limiting speed
n _{gr}	530 1/min	Reference speed
≈m	228 kg	Weight

Mounting dimensions

d _{a min}	400 mm	Minimum diameter shaft shoulder
D _{a max}	600 mm	Maximum diameter of housing shoulder
r _{a max}	4 mm	Maximum recess radius

Dimensions

r _{min}	5 mm	Minimum chamfer dimension
D ₁	543,6 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.



[View product details on medias](#)

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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