

FAG

24076-BEA-XL-MB1

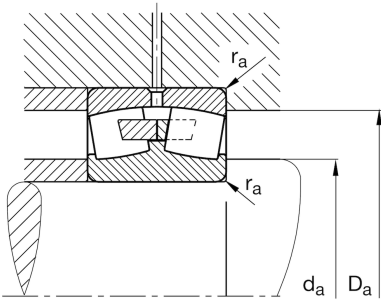
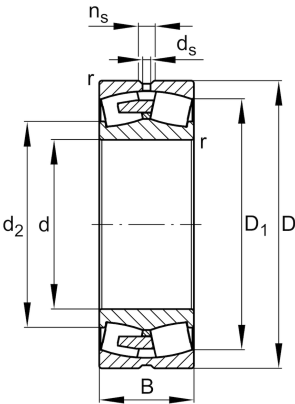
Spherical Roller Bearing

Schaeffler ID:
0720776540000

Spherical roller bearing 240...-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information



Main Dimensions & Performance Data

d	380 mm	Bore diameter
D	560 mm	Outside diameter
B	180 mm	Width
C _r	3.750.000 N	Basic dynamic load rating, radial
C _{0r}	7.000.000 N	Basic static load rating, radial
C _{ur}	590.000 N	Fatigue load limit, radial
n _G	990 1/min	Limiting speed
n _{gr}	530 1/min	Reference speed
≈m	150,54 kg	Weight

Mounting dimensions

d _{a min}	398 mm	Minimum diameter shaft shoulder
D _{a max}	542 mm	Maximum diameter of housing shoulder
r _{a max}	4 mm	Maximum recess radius

Dimensions

r _{min}	5 mm	Minimum chamfer dimension
D ₁	497,9 mm	Bore diameter outer ring
d _s	9,5 mm	Diameter lubrication hole
n _s	17,7 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	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,33	Dynamic axial load factor
Y ₂	3,47	Dynamic axial load factor
Y ₀	2,28	Static axial load factor