



FAG

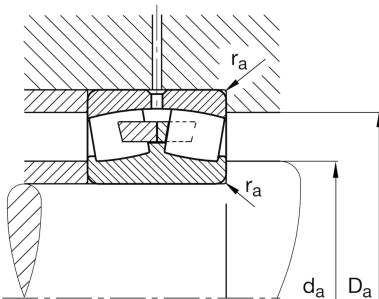
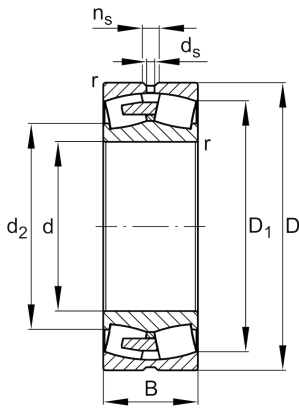
24084-BEA-XL-MB1

Spherical roller bearing

Schaeffler ID:
0683528590000Spherical roller bearing 240..-BEA-XL-
MB1, symmetric 2 outer ribs with rib
washer

X-life

Technical information

**Temperature range**

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.
	205,5 kg	Weight

Main Dimensions & Performance Data

d	420 mm	Bore diameter
D	620 mm	Outside diameter
B	200 mm	Width
C_r	4.600.000 N	Basic dynamic load rating, radial
C_{0r}	8.500.000 N	Basic static load rating, radial
C_{ur}	720.000 N	Fatigue load limit, radial
n_G	890 1/min	Limiting speed
n_{gr}	465 1/min	Reference speed

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
D_1	551 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a\min}$	438 mm	Minimum diameter shaft shoulder
$D_{a\max}$	602 mm	Maximum diameter of housing shoulder
$r_{a\max}$	4 mm	Maximum recess radius

Additional information

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,32	Dynamic axial load factor
Y ₂	3,45	Dynamic axial load factor
Y ₀	2,26	Static axial load factor