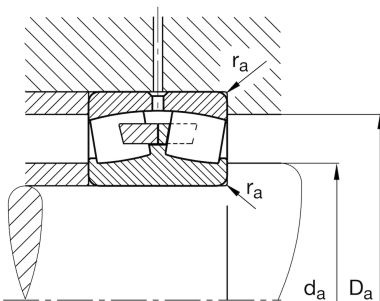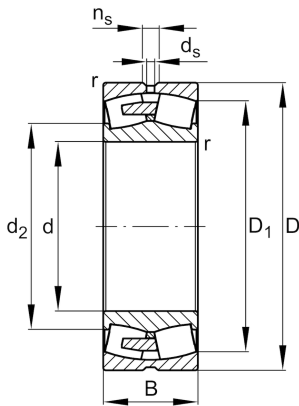FAG

23260-BEA-XL-MB1-C3

Spherical Roller Bearing

Schaeffler ID:
0842770170030

Spherical roller bearing 232..-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information

Main Dimensions & Performance Data

d	300 mm		Bore diameter
D	540 mm		Outside diameter
B	192 mm		Width
C_r	4,100,000 N		Basic dynamic load rating, radial
C_{0r}	6,100,000 N		Basic static load rating, radial
C_{ur}	450,000 N		Fatigue load limit, radial
n_G	1,160 1/min		Limiting speed
$n_{\vartheta r}$	560 1/min		Reference speed
≈m	189 kg		Weight

Mounting dimensions

$d_{a\ min}$	320 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	520 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	4 mm	Maximum recess radius

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	458 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.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

Calculation factors

e	0.35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1.92	Dynamic axial load factor
Y_2	2.86	Dynamic axial load factor
Y_0	1.88	Static axial load factor

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