

FAG

## ★ 23180-BEA-XL-MB1

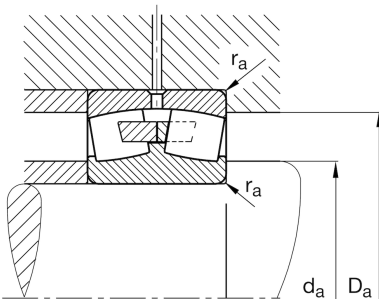
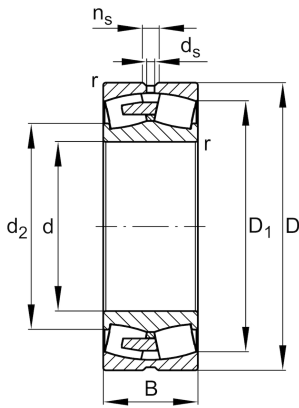
Spherical roller bearing

Schaeffler ID:  
0816684810000Spherical roller bearing 231..-BEA-XL-  
MB1, symmetric 2 outer ribs with rib  
washer

★ Preferred product

X-life

## Technical information



## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
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$T_{max}$	200 °C	Operating temperature max.
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	256,5 kg	Weight
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## Main Dimensions &amp; Performance Data

$d$	400 mm	Bore diameter
$D$	650 mm	Outside diameter
$B$	200 mm	Width
$C_r$	5.000.000 N	Basic dynamic load rating, radial
$C_{0r}$	8.100.000 N	Basic static load rating, radial
$C_{ur}$	590.000 N	Fatigue load limit, radial
$n_G$	950 1/min	Limiting speed
$n_{gr}$	495 1/min	Reference speed

## Dimensions

$r_{min}$	6 mm	Minimum chamfer dimension
$D_1$	571,4 mm	Bore diameter outer ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	426 mm	Minimum diameter shaft shoulder
$D_{a max}$	624 mm	Maximum diameter of housing shoulder
$r_{a max}$	5 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 <sub>1</sub>	2,3	Dynamic axial load factor
Y <sub>2</sub>	3,42	Dynamic axial load factor
Y <sub>0</sub>	2,25	Static axial load factor