



FAG

**23172-BEA-XL-K-MB1**

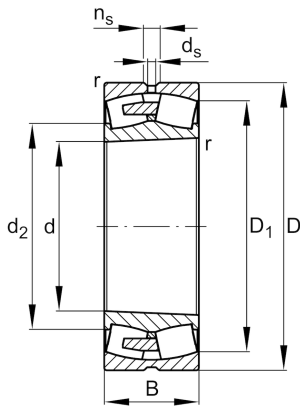
Spherical roller bearing

Schaeffler ID:  
0774695000000

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

X-life

## Technical information



## Main Dimensions &amp; Performance Data

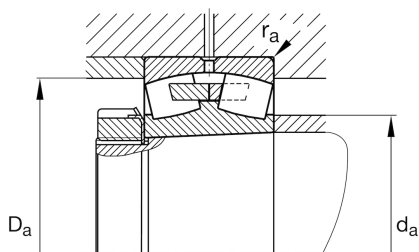
d	360 mm	Bore diameter
D	600 mm	Outside diameter
B	192 mm	Width
$C_r$	4.550.000 N	Basic dynamic load rating, radial
$C_{0r}$	7.100.000 N	Basic static load rating, radial
$C_{ur}$	510.000 N	Fatigue load limit, radial
$n_G$	1.040 1/min	Limiting speed
$n_{gr}$	560 1/min	Reference speed
	209,5 kg	Weight

## Additional information

$r_{min}$	5 mm	Minimum chamfer dimension
	H3172-HG	Adapter sleeve
$D_1$	523,3 mm	Bore diameter outer ring
	AH3172G-H	Withdrawal sleeve
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	380 mm	Minimum diameter shaft shoulder
$D_{a max}$	580 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius
$d_{a max}$	416 mm	Maximum diameter of shaft shoulder
$d_{b min}$	380 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	14 mm	Minimum cavity width of the sleeve



**Calculation factors**

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,18	Dynamic axial load factor
Y <sub>2</sub>	3,24	Dynamic axial load factor
Y <sub>0</sub>	2,13	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.