

FAG

**23196-BEA-XL-K-MB1**

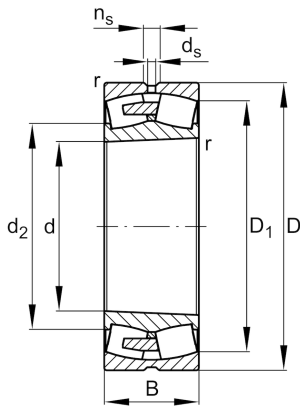
Spherical roller bearing

Schaeffler ID:  
0826927930000

Spherical roller bearing 231..-BEA-XL-K-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.
	466 kg	Weight

## Main Dimensions &amp; Performance Data

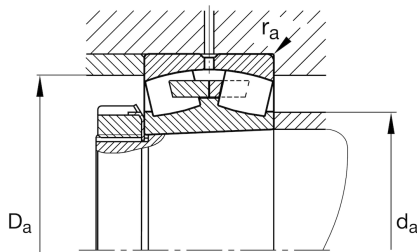
d	480 mm	Bore diameter
D	790 mm	Outside diameter
B	248 mm	Width
$C_r$	7.400.000 N	Basic dynamic load rating, radial
$C_{0r}$	12.400.000 N	Basic static load rating, radial
$C_{ur}$	820.000 N	Fatigue load limit, radial
$n_G$	740 1/min	Limiting speed
$n_{gr}$	375 1/min	Reference speed

## Dimensions

$r_{min}$	7,5 mm	Minimum chamfer dimension
$D_1$	690,4 mm	Bore diameter outer ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	512 mm	Minimum diameter shaft shoulder
$D_{a max}$	758 mm	Maximum diameter of housing shoulder
$r_{a max}$	6 mm	Maximum recess radius
$d_{a max}$	554 mm	Maximum diameter of shaft shoulder
$d_{b min}$	505 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	18 mm	Minimum cavity width of the sleeve



**Additional information**

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3196-HG	Adapter sleeve
Y <sub>1</sub>	2,23	Dynamic axial load factor
	AHX3196G-H	Withdrawal sleeve
Y <sub>2</sub>	3,32	Dynamic axial load factor
Y <sub>0</sub>	2,18	Static axial load factor