

FAG

## ★ 23136-E1A-XL-K-M

Spherical roller bearing

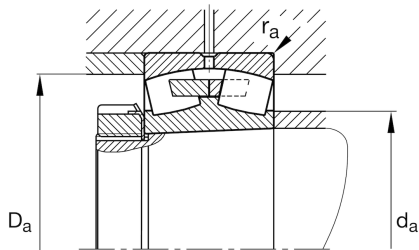
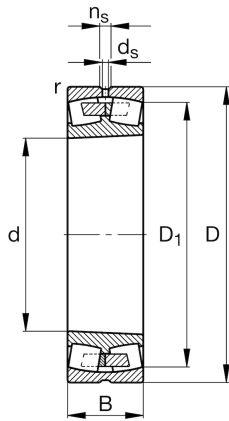
Schaeffler ID:  
0190319630000

Spherical roller bearings 231...E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

★ Preferred product

X-life

## Technical information



## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	200 °C	Operating temperature max.
	26,091 kg	Weight

## Main Dimensions &amp; Performance Data

d	180 mm	Bore diameter
D	300 mm	Outside diameter
B	96 mm	Width
$C_r$	1.420.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.950.000 N	Basic static load rating, radial
$C_{ur}$	199.000 N	Fatigue load limit, radial
$n_G$	2.230 1/min	Limiting speed
$n_{gr}$	1.350 1/min	Reference speed

## Dimensions

$r_{min}$	3 mm	Minimum chamfer dimension
$D_1$	264,8 mm	Bore diameter outer ring
$d_s$	8 mm	Diameter lubrication hole
$n_s$	15 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	194 mm	Minimum diameter shaft shoulder
$D_{a max}$	286 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,5 mm	Maximum recess radius
$d_{a max}$	204 mm	Maximum diameter of shaft shoulder
$d_{b min}$	180 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	8 mm	Minimum cavity width of the sleeve

**Additional information**

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3136	Adapter sleeve
Y <sub>1</sub>	2,32	Dynamic axial load factor
	AH3136A	Withdrawal sleeve
Y <sub>2</sub>	3,45	Dynamic axial load factor
Y <sub>0</sub>	2,26	Static axial load factor