

FAG

**23126-E1A-XL-K-M**

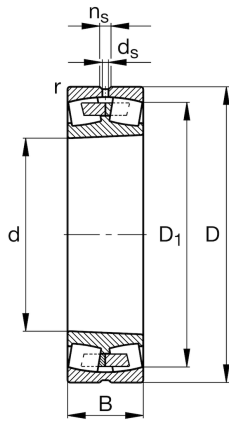
Spherical roller bearing

Schaeffler ID:  
0190309080000

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

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	130 mm	Bore diameter
D	210 mm	Outside diameter
B	64 mm	Width
$C_r$	680.000 N	Basic dynamic load rating, radial
$C_{0r}$	890.000 N	Basic static load rating, radial
$C_{ur}$	81.000 N	Fatigue load limit, radial
$n_G$	3.200 1/min	Limiting speed
$n_{gr}$	2.110 1/min	Reference speed
	8,21 kg	Weight

## Mounting dimensions

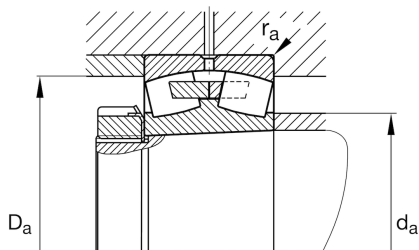
$d_{a \min}$	141 mm	Minimum diameter shaft shoulder
$D_{a \max}$	199 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius
$d_{a \max}$	149 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	138 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

## Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$D_1$	187,3 mm	Bore diameter outer ring
$d_s$	4,8 mm	Diameter lubrication hole
$n_s$	9,5 mm	Width of lubricating groove

## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.



**Calculation factors**

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,45	Dynamic axial load factor
Y <sub>2</sub>	3,64	Dynamic axial load factor
Y <sub>0</sub>	2,39	Static axial load factor

**Additional information**

H3126	Adapter sleeve
AHX3126	Withdrawal sleeve