

FAG

## ★ 23220-E1A-XL-K-M

Spherical roller bearing

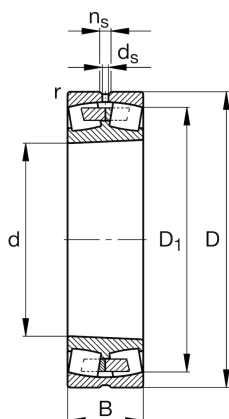
Schaeffler ID:  
0190352760000

Spherical roller bearings 232...-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.
	6,39 kg	Weight

## Main Dimensions &amp; Performance Data

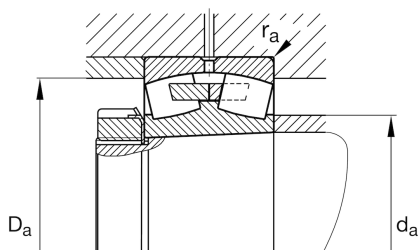
d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60,3 mm	Width
$C_r$	560.000 N	Basic dynamic load rating, radial
$C_{0r}$	660.000 N	Basic static load rating, radial
$C_{ur}$	61.000 N	Fatigue load limit, radial
$n_G$	3.750 1/min	Limiting speed
$n_{gr}$	2.410 1/min	Reference speed

## Dimensions

$r_{min}$	2,1 mm	Minimum chamfer dimension
$D_1$	156,7 mm	Bore diameter outer ring
$d_s$	4,8 mm	Diameter lubrication hole
$n_s$	9,5 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	112 mm	Minimum diameter shaft shoulder
$D_{a max}$	168 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$d_{a max}$	120 mm	Maximum diameter of shaft shoulder
$d_{b min}$	110 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	19 mm	Minimum cavity width of the sleeve



**Additional information**

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2320	Adapter sleeve
Y <sub>1</sub>	2,15	Dynamic axial load factor
	AHX3220	Withdrawal sleeve
Y <sub>2</sub>	3,2	Dynamic axial load factor
Y <sub>0</sub>	2,1	Static axial load factor