

FAG

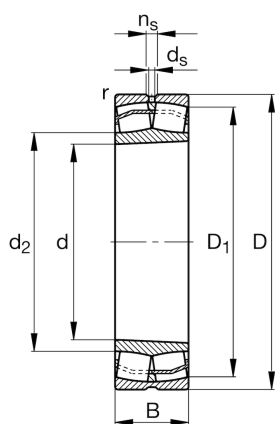
**22224-E1-XL-K**

Spherical roller bearing

Schaeffler ID:  
0167044360000Spherical roller bearings 222..-E1-K, main  
dimensions to DIN 635-2, with tapered  
bore, taper 1:12

X-life

## Technical information



## Main Dimensions &amp; Performance Data

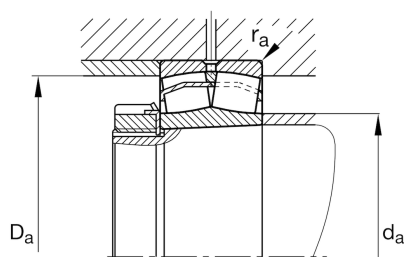
d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	58 mm	Width
$C_r$	640.000 N	Basic dynamic load rating, radial
$C_{0r}$	740.000 N	Basic static load rating, radial
$C_{ur}$	70.000 N	Fatigue load limit, radial
$n_G$	3.650 1/min	Limiting speed
$n_{gr}$	2.700 1/min	Reference speed
	8,65 kg	Weight

## Mounting dimensions

$d_{a \min}$	132 mm	Minimum diameter shaft shoulder
$d_{a \max}$	141 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	203 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{b \min}$	128 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	11 mm	Minimum cavity width of the sleeve

## Temperature range

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



### Dimensions

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r <sub>min</sub>	2,1 mm	Minimum chamfer dimension
D <sub>1</sub>	192 mm	Bore diameter outer ring
Y <sub>1</sub>	2,71	Dynamic axial load factor
Y <sub>2</sub>	4,04	Dynamic axial load factor
d <sub>2</sub>	141,9 mm	Raceway diameter of the inner ring
d <sub>s</sub>	6,3 mm	Diameter lubrication hole
Y <sub>0</sub>	2,65	Static axial load factor
n <sub>s</sub>	12,2 mm	Width of lubricating groove

### Additional information

	H3124	Adapter sleeve
	AHX3124	Withdrawal sleeve