

FAG

**22222-E1-XL-K**

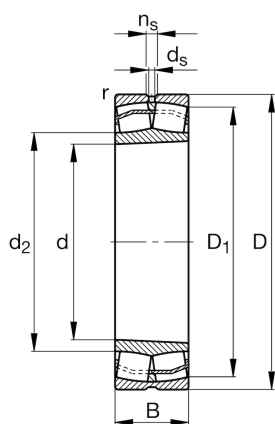
Spherical roller bearing

Schaeffler ID:  
0167043390000

Spherical 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

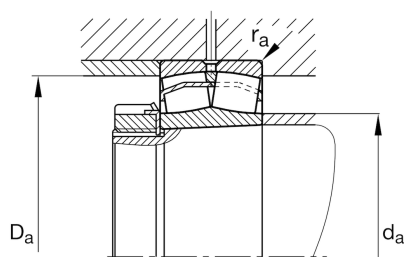
d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	53 mm	Width
C <sub>r</sub>	550.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	600.000 N	Basic static load rating, radial
C <sub>ur</sub>	64.000 N	Fatigue load limit, radial
n <sub>G</sub>	4.100 1/min	Limiting speed
n <sub>gr</sub>	3.000 1/min	Reference speed
	6,912 kg	Weight

## Dimensions

r <sub>min</sub>	2,1 mm	Minimum chamfer dimension
D <sub>1</sub>	178,7 mm	Bore diameter outer ring
d <sub>2</sub>	129,4 mm	Raceway diameter of the inner ring
d <sub>s</sub>	4,8 mm	Diameter lubrication hole
n <sub>s</sub>	9,5 mm	Width of lubricating groove

## Mounting dimensions

d <sub>a min</sub>	122 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	129 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	188 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2,1 mm	Maximum recess radius
d <sub>b min</sub>	118 mm	Minimum cavity diameter of the sleeve
B <sub>a min</sub>	6 mm	Minimum cavity width of the sleeve



**Calculation factors**

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,71	Dynamic axial load factor
Y <sub>2</sub>	4,04	Dynamic axial load factor
Y <sub>0</sub>	2,65	Static axial load factor

**Additional information**

H322	Adapter sleeve
AHX3122	Withdrawal sleeve

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.