

FAG

**22213-E1-XL-K**

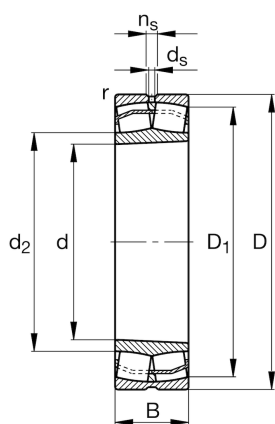
Spherical roller bearing

Schaeffler ID:  
0167037740000

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	65 mm	Bore diameter
D	120 mm	Outside diameter
B	31 mm	Width
$C_r$	202,000 N	Basic dynamic load rating, radial
$C_{0r}$	210,000 N	Basic static load rating, radial
$C_{ur}$	26,500 N	Fatigue load limit, radial
$n_G$	7,000 1/min	Limiting speed
$n_{gr}$	4,200 1/min	Reference speed
	1.476 kg	Weight

## Mounting dimensions

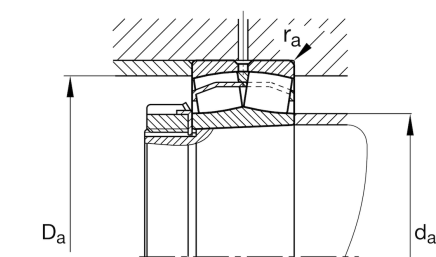
$d_{a \min}$	74 mm	Minimum diameter shaft shoulder
$d_{a \max}$	79 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	111 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1.5 mm	Maximum recess radius
$d_{b \min}$	70 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

## Dimensions

$r_{\min}$	1.5 mm	Minimum chamfer dimension
$D_1$	107.3 mm	Bore diameter outer ring
$d_2$	79.1 mm	Raceway diameter of the inner ring
$d_s$	3.2 mm	Diameter lubrication hole
$n_s$	6.5 mm	Width of lubricating groove

## Temperature range

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



**Calculation factors**

e	0.24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2.81	Dynamic axial load factor
Y <sub>2</sub>	4.19	Dynamic axial load factor
Y <sub>0</sub>	2.75	Static axial load factor

**Additional information**

H313	Adapter sleeve
AH313G	Withdrawal sleeve