

FAG

## ★ 21311-E1-XL-K

Spherical roller bearing

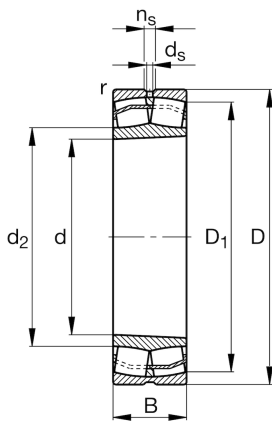
Schaeffler ID:  
0219425600000

★ Preferred product

Spherical roller bearings 213...E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.
	1,6 kg	Weight

## Main Dimensions &amp; Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
$C_r$	160.000 N	Basic dynamic load rating, radial
$C_{0r}$	155.000 N	Basic static load rating, radial
$C_{ur}$	20.700 N	Fatigue load limit, radial
$n_G$	8.100 1/min	Limiting speed
$n_{gr}$	5.100 1/min	Reference speed

## Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$D_1$	98,3 mm	Bore diameter outer ring
$d_2$	71,6 mm	Raceway diameter of the inner ring
$d_s$	3,2 mm	Diameter lubrication hole
$n_s$	6,5 mm	Width of lubricating groove

## Mounting dimensions

$d_{a\min}$	66 mm	Minimum diameter shaft shoulder
$d_{a\max}$	71 mm	Maximum diameter of shaft shoulder
$D_{a\max}$	109 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum recess radius
$d_{b\min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	6 mm	Minimum cavity width of the sleeve

**Additional information**

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H311	Adapter sleeve
Y <sub>1</sub>	2,98	Dynamic axial load factor
	AHX311	Withdrawal sleeve
Y <sub>2</sub>	4,44	Dynamic axial load factor
Y <sub>0</sub>	2,92	Static axial load factor