

**FAG****21306-E1-XL-TVPB**

Spherical Roller Bearing

X-life

## Technical information

**Your current product variant**

Cage	TVPB	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	19 mm	Width
C <sub>r</sub>	72.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	63.000 N	Basic static load rating, radial
C <sub>ur</sub>	7.200 N	Fatigue load limit, radial
n <sub>G</sub>	12.000 1/min	Limiting speed
n <sub>gr</sub>	7.300 1/min	Reference speed
m	0,381 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	37 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	65 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius



### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	59,9 mm	Bore diameter outer ring
$d_2$	41,5 mm	Raceway diameter of the inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Calculation factors

$e$	0,27	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,49	Dynamic axial load factor
$Y_2$	3,71	Dynamic axial load factor
$Y_0$	2,43	Static axial load factor