



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 _r	72.000 N	Basic dynamic load rating, radial
C _{0r}	63.000 N	Basic static load rating, radial
C _{ur}	7.200 N	Fatigue load limit, radial
n _G	12.000 1/min	Limiting speed
n _{gr}	7.300 1/min	Reference speed
≈m	0,381 kg	Weight

Mounting dimensions

d _{a min}	37 mm	Minimum diameter shaft shoulder
D _{a max}	65 mm	Maximum diameter of housing shoulder
r _{a max}	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 Fa/Fr 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