

**FAG****21304-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	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	41.000 N	Basic dynamic load rating, radial
C _{0r}	33.000 N	Basic static load rating, radial
C _{ur}	3.800 N	Fatigue load limit, radial
n _G	16.000 1/min	Limiting speed
n _{gr}	9.700 1/min	Reference speed
m	0,158 kg	Weight

Mounting dimensions

d _{a min}	27 mm	Minimum diameter shaft shoulder
D _{a max}	45 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	43 mm	Bore diameter outer ring
d_2	28,9 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	0,3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,25	Dynamic axial load factor
Y_2	3,34	Dynamic axial load factor
Y_0	2,2	Static axial load factor