



FAG

**21304-E1-XL-TVPB-C3**

Spherical Roller Bearing

X-life

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C <sub>r</sub>	41.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	33.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.800 N	Fatigue load limit, radial
n <sub>G</sub>	16.000 1/min	Limiting speed
n <sub>gr</sub>	9.700 1/min	Reference speed
≈m	0,158 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	27 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	45 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius

**Dimensions**

r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
D <sub>1</sub>	43 mm	Bore diameter outer ring
d <sub>2</sub>	28,9 mm	Raceway diameter of the inner ring

**Calculation factors**

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,25	Dynamic axial load factor
Y <sub>2</sub>	3,34	Dynamic axial load factor
Y <sub>0</sub>	2,2	Static axial load factor