



FAG

21304-E1-XL-TVPB

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 _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

Calculation factors

e	0,3	Limiting value of Fa/Fr 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