



FAG

21305-E1-XL-TVPB

Spherical Roller Bearing

X-life

Technical information

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C _r	52.000 N	Basic dynamic load rating, radial
C _{0r}	43.500 N	Basic static load rating, radial
C _{ur}	4.900 N	Fatigue load limit, radial
n _G	13.900 1/min	Limiting speed
n _{gr}	8.400 1/min	Reference speed
≈m	0,25 kg	Weight

Mounting dimensions

d _{a min}	32 mm	Minimum diameter shaft shoulder
D _{a max}	55 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	51 mm	Bore diameter outer ring
d ₂	35,2 mm	Raceway diameter of the inner ring

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,43	Dynamic axial load factor
Y ₂	3,61	Dynamic axial load factor
Y ₀	2,37	Static axial load factor