

FAG**21304-E1-XL-TVPB**

Spherical roller bearing

Schaeffler ID:
0167022040000Spherical roller bearings 213..-E1, main
dimensions to DIN 635-2**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
	0,158 kg	Weight

Additional information

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

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

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

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.