



FAG

7303-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167258080000

Angular contact ball bearing 73..-B-XL-TVP, single row, X-life, plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C _r	18,700 N	Basic dynamic load rating, radial
C _{0r}	9,000 N	Basic static load rating, radial
C _{ur}	620 N	Fatigue load limit, radial
n _G	21,600 1/min	Limiting speed
n _{gr}	12,800 1/min	Reference speed
	0.112 kg	Weight

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension
D ₁	35.5 mm	Shoulder diameter on outer ring wide side face
d ₁	29.2 mm	Shoulder diameter on inner ring wide side face
a	20 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d _{a min}	22.6 mm	Minimum diameter of shaft shoulder
D _{a max}	41.4 mm	Maximum diameter of housing shoulder
D _{b max}	42.8 mm	Maximaler Durchmesser der Gehäuseschulter
r _{a max}	1 mm	Maximum fillet radius of shaft
r _{a1 max}	0.6 mm	Maximum fillet radius of housing

Temperature range

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

