

FAG**7214-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:
0167254250000Angular contact ball bearing 72..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
C _r	74.000 N	Basic dynamic load rating, radial
C _{0r}	62.000 N	Basic static load rating, radial
C _{ur}	4.300 N	Fatigue load limit, radial
n _G	7.200 1/min	Limiting speed
n _{gr}	5.400 1/min	Reference speed
	1,09 kg	Weight

Additional information

r _{min}	1,5 mm	Minimum chamfer dimension
r _{1 min}	1 mm	Minimum chamfer dimension
D ₁	104 mm	Shoulder diameter on outer ring wide side face
d ₁	92,3 mm	Shoulder diameter on inner ring wide side face
a	53 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d _{a min}	79 mm	Minimum diameter of shaft shoulder
D _{a max}	116 mm	Maximum diameter of housing shoulder
D _{b max}	119,4 mm	Maximaler Durchmesser der Gehäuseschulter
r _{a max}	1,5 mm	Maximum fillet radius of shaft
r _{a1 max}	1 mm	Maximum fillet radius of housing

Temperature range

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