

FAG

7220-B-XL-TVP

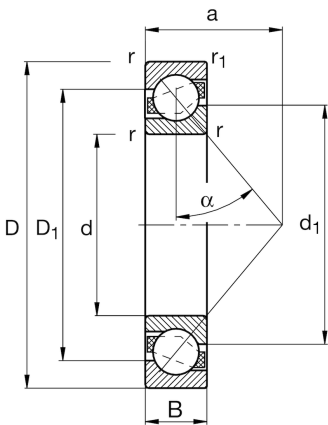
Angular contact ball bearing

Schaeffler ID:
0167256110000

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

X-life

Technical information



Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
C _r	142.000 N	Basic dynamic load rating, radial
C _{0r}	124.000 N	Basic static load rating, radial
C _{ur}	7.300 N	Fatigue load limit, radial
n _G	4.850 1/min	Limiting speed
n _{gr}	4.250 1/min	Reference speed
	3,145 kg	Weight

Additional information

r _{min}	2,1 mm	Minimum chamfer dimension
r _{1 min}	1,1 mm	Minimum chamfer dimension
D ₁	149,6 mm	Shoulder diameter on outer ring wide side face
d ₁	132,3 mm	Shoulder diameter on inner ring wide side face
a	76 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d _{a min}	112 mm	Minimum diameter of shaft shoulder
D _{a max}	168 mm	Maximum diameter of housing shoulder
D _{b max}	173 mm	Maximaler Durchmesser der Gehäuseschulter
r _{a max}	2,1 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.

