

FAG

7209-B-XL-2RS-TVP

Angular contact ball bearing

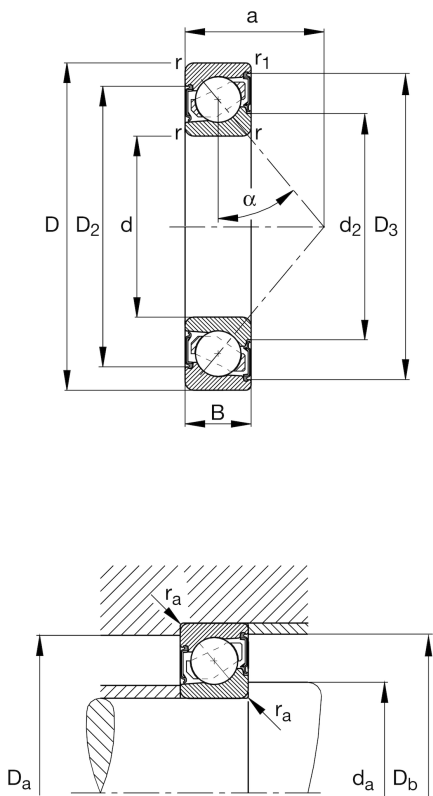
Schaeffler ID:
0268009930000

Angular contact ball bearing 72..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage



X-life

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	40.000 N	Basic dynamic load rating, radial
C _{0r}	27.000 N	Basic static load rating, radial
C _{ur}	1.870 N	Fatigue load limit, radial
n _G	4.550 1/min	Limiting speed
	0,414 kg	Weight

Mounting dimensions

d _{a min}	52 mm	Minimum diameter of shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
D _{b max}	80,8 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius of shaft
r _{a1 max}	0,6 mm	Maximum fillet radius of housing

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
D ₁	69,8 mm	Shoulder diameter on outer ring wide side face
D ₂	72,4 mm	Caliber diameter on outer ring wide side face
D ₃	79,6 mm	Caliber diameter on outer ring small side face
d ₁	61,2 mm	Shoulder diameter on inner ring wide side face
d ₂	56,8 mm	Caliber diameter on inner ring wide side face
a	37 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range		
T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.