



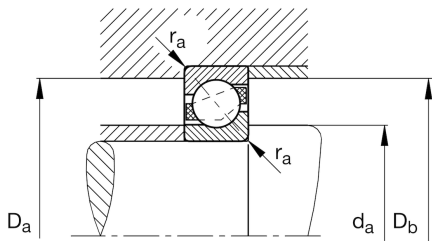
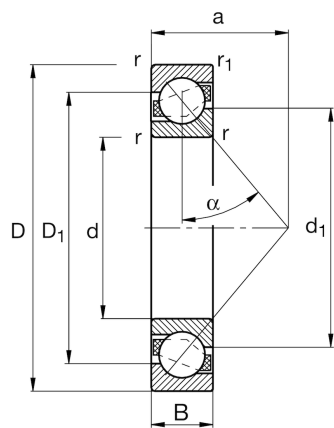
71808-TN

Angular contact ball bearing

Schaeffler ID:
0096210240000

Angular contact ball bearing 718.-B-TVP,
single row, plastic cage

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	52 mm	Outside diameter
B	7 mm	Width
C _r	6,300 N	Basic dynamic load rating, radial
C _{0r}	5,800 N	Basic static load rating, radial
C _{ur}	405 N	Fatigue load limit, radial
n _G	16,200 1/min	Limiting speed
n _{gr}	7,200 1/min	Reference speed
	0.033 kg	Weight

Dimensions

r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.2 mm	Minimum chamfer dimension
D ₁	47.3 mm	Shoulder diameter on outer ring wide side face
d ₁	44.7 mm	Shoulder diameter on inner ring wide side face
a	22.8 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d _{a min}	42 mm	Minimum diameter of shaft shoulder
D _{a max}	50 mm	Maximum diameter of housing shoulder
D _{b max}	50 mm	Maximum diameter of housing shoulder
r _{a max}	0.3 mm	Maximum fillet radius of shaft
r _{a1 max}	0.2 mm	Maximum fillet radius of housing

Temperature range

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