



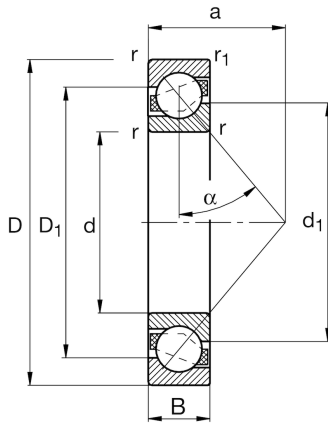
71806-TN

Angular contact ball bearing

Schaeffler ID:
0096210080000

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

Technical information



Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	42 mm	Outside diameter
B	7 mm	Width
C_r	5,600 N	Basic dynamic load rating, radial
C_{0r}	4,550 N	Basic static load rating, radial
C_{ur}	300 N	Fatigue load limit, radial
n_G	20,600 1/min	Limiting speed
n_{gr}	9,600 1/min	Reference speed
	0.026 kg	Weight

Additional information

r_{min}	0.3 mm	Minimum chamfer dimension
r_{1min}	0.2 mm	Minimum chamfer dimension
D_1	37.3 mm	Shoulder diameter on outer ring wide side face
d_1	34.7 mm	Shoulder diameter on inner ring wide side face
a	18.6 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d_{amin}	32 mm	Minimum diameter of shaft shoulder
D_{amax}	40 mm	Maximum diameter of housing shoulder
D_{bmax}	40 mm	Maximaler Durchmesser der Gehäuseschulter
r_{amax}	0.3 mm	Maximum fillet radius of shaft
r_{a1max}	0.2 mm	Maximum fillet radius of housing

Temperature range

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

