



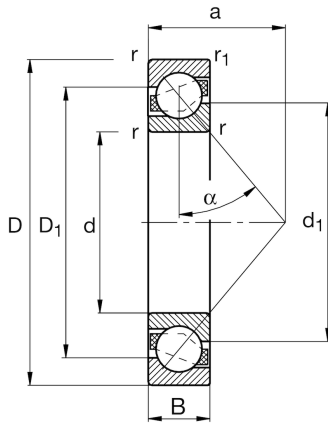
71808-TN

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

Additional information

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	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	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.

