



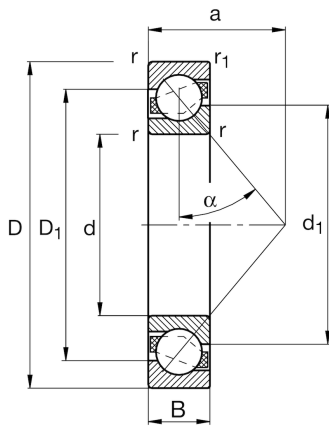
71813-TN

Angular contact ball bearing

Schaeffler ID:
0096210750000

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

Technical information



Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	85 mm	Outside diameter
B	10 mm	Width
C_r	15.200 N	Basic dynamic load rating, radial
C_{0r}	15.800 N	Basic static load rating, radial
C_{ur}	1.000 N	Fatigue load limit, radial
n_G	9.600 1/min	Limiting speed
n_{gr}	4.850 1/min	Reference speed
$\approx m$	0,125 kg	Weight

Mounting dimensions

$d_{a \min}$	68,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	81,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	83 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0,3 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
D_1	77 mm	Shoulder diameter on outer ring wide side face
d_1	73 mm	Shoulder diameter on inner ring wide side face
a	36,5 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

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

