

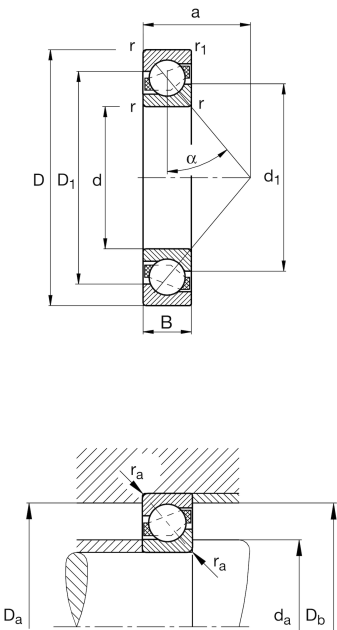


71808-TN

Angular contact ball bearing

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

Technical information



Your current product variant

Design variant	B	B
Type of Seal	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

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
≈m	0,033 kg	Weight



Mounting dimensions

$d_{a\ min}$	42 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	50 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	50,6 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

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	44,744 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

Temperature range

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

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed