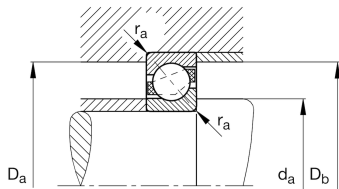
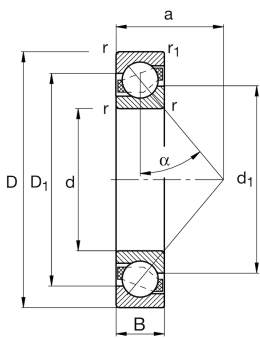


**71812-TN**

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	60 mm	Bore diameter
D	78 mm	Outside diameter
B	10 mm	Width
C _r	12.300 N	Basic dynamic load rating, radial
C _{0r}	12.800 N	Basic static load rating, radial
C _{ur}	870 N	Fatigue load limit, radial
n _G	10.500 1/min	Limiting speed
n _{gr}	5.400 1/min	Reference speed
m	0,107 kg	Weight



Mounting dimensions

$d_{a \min}$	62 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	76 mm	Maximum diameter of housing shoulder
$D_{b \max}$	76,6 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	70,8 mm	Shoulder diameter on outer ring wide side face
d_1	67,2 mm	Shoulder diameter on inner ring wide side face
a	33,9 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

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed