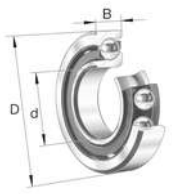
SCHAEFFLER



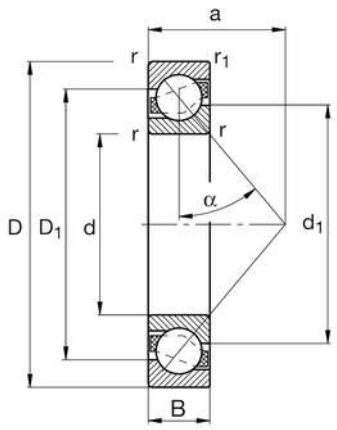
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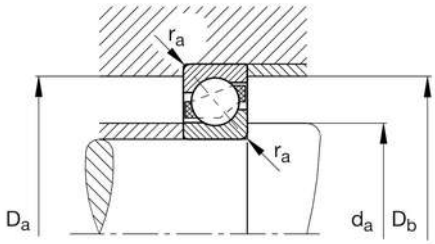
Angular contact ball bearing

Schaeffler ID:
0096210590000

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

Technical information





Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	72 mm	Outside diameter
B	9 mm	Width
C_r	11,800 N	Basic dynamic load rating, radial
C_{0r}	11,800 N	Basic static load rating, radial
C_{ur}	780 N	Fatigue load limit, radial
n_G	11,400 1/min	Limiting speed
$n_{\vartheta r}$	5,600 1/min	Reference speed
	0.081 kg	Weight

Dimensions

r_{min}	0.3 mm	Minimum chamfer dimension
$r_{1\ min}$	0.2 mm	Minimum chamfer dimension
D_1	65.3 mm	Shoulder diameter on outer ring wide side face
d_1	61.7 mm	Shoulder diameter on inner ring wide side face
a	31.1 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a\ min}$	57 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	70 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	70 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.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.