

FAG

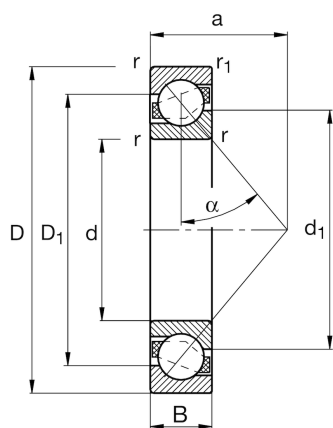
7214-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167254250000Angular contact ball bearing 72..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information



Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
C_r	74.000 N	Basic dynamic load rating, radial
C_{0r}	62.000 N	Basic static load rating, radial
C_{ur}	4.300 N	Fatigue load limit, radial
n_G	7.200 1/min	Limiting speed
n_{gr}	5.400 1/min	Reference speed
	1,09 kg	Weight

Additional information

r_{min}	1,5 mm	Minimum chamfer dimension
$r_{1 min}$	1 mm	Minimum chamfer dimension
D_1	104 mm	Shoulder diameter on outer ring wide side face
d_1	92,3 mm	Shoulder diameter on inner ring wide side face
a	53 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	79 mm	Minimum diameter of shaft shoulder
$D_{a max}$	116 mm	Maximum diameter of housing shoulder
$D_{b max}$	119,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1 max}$	1 mm	Maximum fillet radius of housing

Temperature range

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

