

FAG

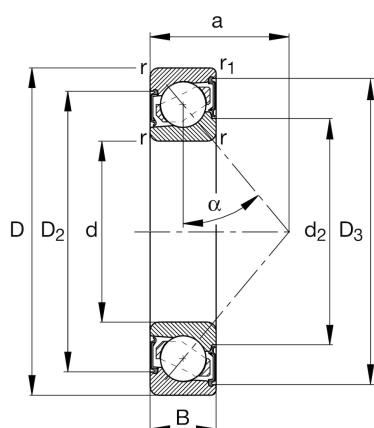
7004-B-XL-2RS-TVP

Angular contact ball bearing

Schaeffler ID:
0206764410000Angular contact ball bearing 70..-B-
XL-2RS-TVP, single row, X-life, seals,
plastic cage

X-life

Technical information



Main Dimensions & Performance Data

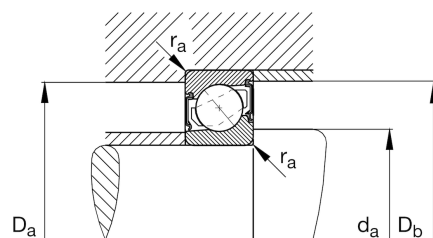
d	20 mm	Bore diameter
D	42 mm	Outside diameter
B	12 mm	Width
C_r	14.500 N	Basic dynamic load rating, radial
C_{0r}	8.000 N	Basic static load rating, radial
C_{ur}	560 N	Fatigue load limit, radial
n_G	9.800 1/min	Limiting speed
	0,06 kg	{Weight}

Mounting dimensions

$d_{a \min}$	23,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	38,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	40 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	34,8 mm	Shoulder diameter on outer ring wide side face
D_2	35,5 mm	Caliber diameter on outer ring wide side face
D_3	39,8 mm	Caliber diameter on outer ring small side face
d_1	28,9 mm	Shoulder diameter on inner ring wide side face
d_2	26,5 mm	Caliber diameter on inner ring wide side face
a	19,4 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle



Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.