

FAG

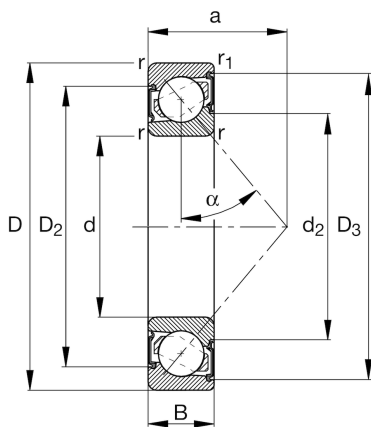
7005-B-XL-2RS-TVP

Angular contact ball bearing

Schaeffler ID:
0206764500000Angular contact ball bearing 70..-B-
XL-2RS-TVP, single row, X-life, seals,
plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

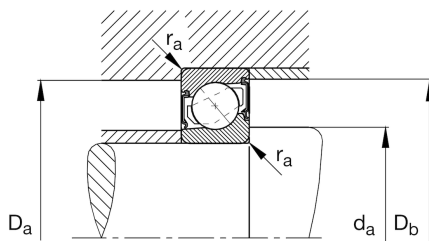
d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C_r	16,000 N	Basic dynamic load rating, radial
C_{0r}	9,900 N	Basic static load rating, radial
C_{ur}	690 N	Fatigue load limit, radial
n_G	8,200 1/min	Limiting speed
	0.075 kg	Weight

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
r_{1min}	0.3 mm	Minimum chamfer dimension
D_1	39.8 mm	Shoulder diameter on outer ring wide side face
D_2	40.5 mm	Caliber diameter on outer ring wide side face
D_3	44.8 mm	Caliber diameter on outer ring small side face
d_1	33.9 mm	Shoulder diameter on inner ring wide side face
d_2	31.5 mm	Caliber diameter on inner ring wide side face
a	21 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

d_{amin}	28.2 mm	Minimum diameter of shaft shoulder
D_{amax}	43.8 mm	Maximum diameter of housing shoulder
D_{bmax}	45 mm	Maximaler Durchmesser der Gehäuseschulter
r_{amax}	0.6 mm	Maximum fillet radius of shaft
r_{a1max}	0.3 mm	Maximum fillet radius of housing



Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	110 °C	Operating temperature max.