

FAG

★ 7005-B-XL-2RS-TVP

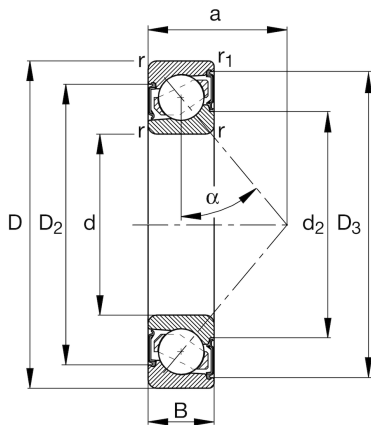
Angular contact ball bearing

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

★ Preferred product

X-life

Technical information



Main Dimensions & Performance Data

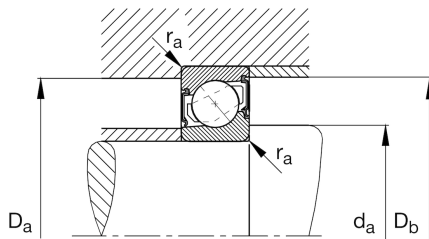
d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C_r	16.000 N	Basic dynamic load rating, radial
C_{0r}	9.900 N	Basic static load rating, radial
C_{ur}	690 N	Fatigue load limit, radial
n_G	8.200 1/min	Limiting speed
	0,075 kg	Weight

Additional information

r_{min}	0,6 mm	Minimum chamfer dimension
$r_{1 min}$	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

$d_{a min}$	28,2 mm	Minimum diameter of shaft shoulder
$D_{a max}$	43,8 mm	Maximum diameter of housing shoulder
$D_{b max}$	45 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 max}$	0,3 mm	Maximum fillet radius of housing



Temperature range

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