

FAG

★ 7301-B-XL-TVP

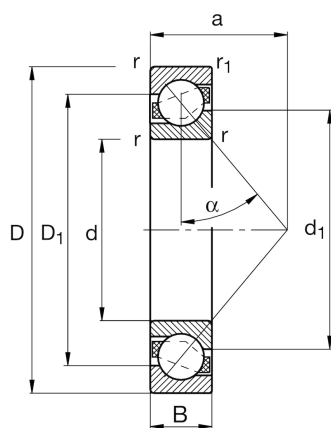
Angular contact ball bearing

Schaeffler ID:
0167257860000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,06 kg	Weight

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C_r	12.200 N	Basic dynamic load rating, radial
C_{0r}	5.300 N	Basic static load rating, radial
C_{ur}	365 N	Fatigue load limit, radial
n_G	28.000 1/min	Limiting speed
n_{gr}	16.300 1/min	Reference speed

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
$r_{1\min}$	0,6 mm	Minimum chamfer dimension
D_1	27,2 mm	Shoulder diameter on outer ring wide side face
d_1	22,3 mm	Shoulder diameter on inner ring wide side face
a	16 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a\min}$	17,6 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	31,4 mm	Maximum diameter of housing shoulder
$D_{b\max}$	32,8 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	1 mm	Maximum fillet radius of shaft
$r_{a1\max}$	0,6 mm	Maximum fillet radius of housing