

FAG

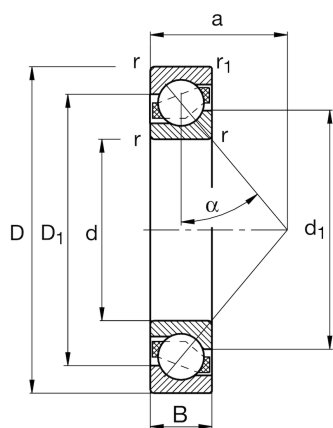
7302-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167257940000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width
C_r	15,100 N	Basic dynamic load rating, radial
C_{0r}	7,200 N	Basic static load rating, radial
C_{ur}	495 N	Fatigue load limit, radial
n_G	24,400 1/min	Limiting speed
n_{gr}	14,200 1/min	Reference speed
	0.082 kg	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
D_1	31.7 mm	Shoulder diameter on outer ring wide side face
d_1	26 mm	Shoulder diameter on inner ring wide side face
a	18 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	20.6 mm	Minimum diameter of shaft shoulder
$D_{a max}$	36.4 mm	Maximum diameter of housing shoulder
$D_{b max}$	37.8 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

Temperature range

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

