



FAG

7305-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167258400000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C_r	30,000 N	Basic dynamic load rating, radial
C_{0r}	15,800 N	Basic static load rating, radial
C_{ur}	1,100 N	Fatigue load limit, radial
n_G	15,800 1/min	Limiting speed
n_{gr}	9,800 1/min	Reference speed
	0.22 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
D_1	48 mm	Shoulder diameter on outer ring wide side face
d_1	39.9 mm	Shoulder diameter on inner ring wide side face
a	27 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Mounting dimensions

$d_{a min}$	32 mm	Minimum diameter of shaft shoulder
$D_{a max}$	55 mm	Maximum diameter of housing shoulder
$D_{b max}$	57.8 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.

