



FAG

**7304-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:  
0167258160000Angular contact ball bearing 73..-B-XL-  
TVP, single row, X-life, plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
$C_r$	21,700 N	Basic dynamic load rating, radial
$C_{0r}$	11,100 N	Basic static load rating, radial
$C_{ur}$	770 N	Fatigue load limit, radial
$n_G$	19,300 1/min	Limiting speed
$n_{gr}$	11,500 1/min	Reference speed
	0.145 kg	Weight

**Dimensions**

$r_{min}$	1.1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
$D_1$	39.7 mm	Shoulder diameter on outer ring wide side face
$d_1$	33 mm	Shoulder diameter on inner ring wide side face
a	23 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Mounting dimensions**

$d_{a min}$	27 mm	Minimum diameter of shaft shoulder
$D_{a max}$	45 mm	Maximum diameter of housing shoulder
$D_{b max}$	47.8 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.

