

**FAG****7221-B-XL-MP**

Angular contact ball bearing

Schaeffler ID:  
0191160470000Angular contact ball bearing 72..-B-XL-MP,  
single row, X-life, solid brass cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	105 mm	Bore diameter
D	190 mm	Outside diameter
B	36 mm	Width
$C_r$	155.000 N	Basic dynamic load rating, radial
$C_{0r}$	142.000 N	Basic static load rating, radial
$C_{ur}$	8.100 N	Fatigue load limit, radial
$n_G$	6.000 1/min	Limiting speed
$n_{gr}$	4.100 1/min	Reference speed
	4,235 kg	Weight

**Mounting dimensions**

$d_{a \min}$	117 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	178 mm	Maximum diameter of housing shoulder
$D_{b \max}$	183 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a \max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

**Dimensions**

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
$D_1$	157,7 mm	Shoulder diameter on outer ring wide side face
$d_1$	138,2 mm	Shoulder diameter on inner ring wide side face
a	80 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

