

FAG

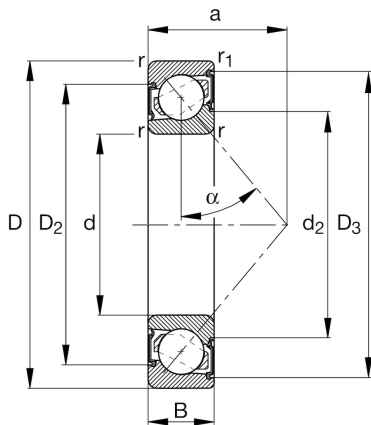
**7209-B-XL-2RS-TVP**

Angular contact ball bearing

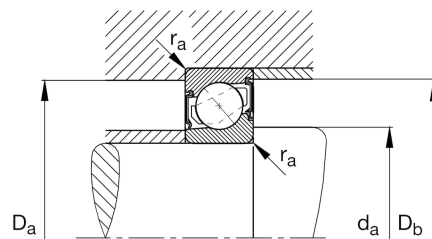
Schaeffler ID:  
0268009930000Angular contact ball bearing 72..-B-  
XL-2RS-TVP, single row, X-life, seals,  
plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
$C_r$	40,000 N	Basic dynamic load rating, radial
$C_{0r}$	27,000 N	Basic static load rating, radial
$C_{ur}$	1,870 N	Fatigue load limit, radial
$n_G$	4,550 1/min	Limiting speed
	0.414 kg	Weight

**Dimensions**

$r_{min}$	1.1 mm	Minimum chamfer dimension
$r_{1min}$	0.6 mm	Minimum chamfer dimension
$D_1$	69.8 mm	Shoulder diameter on outer ring wide side face
$D_2$	72.4 mm	Caliber diameter on outer ring wide side face
$D_3$	79.6 mm	Caliber diameter on outer ring small side face
$d_1$	61.2 mm	Shoulder diameter on inner ring wide side face
$d_2$	56.8 mm	Caliber diameter on inner ring wide side face
a	37 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Mounting dimensions**

$d_{amin}$	52 mm	Minimum diameter of shaft shoulder
$D_{amax}$	78 mm	Maximum diameter of housing shoulder
$D_{bmax}$	80.8 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{amax}$	1 mm	Maximum fillet radius of shaft
$r_{a1max}$	0.6 mm	Maximum fillet radius of housing

**Temperature range**

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	110 °C	Operating temperature max.