

FAG

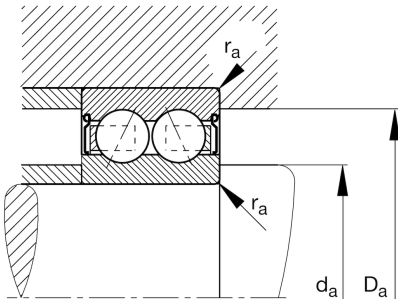
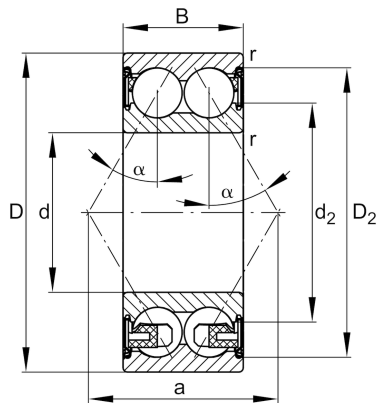
**3208-BD-XL-2Z-TVH**

Angular contact ball bearing

Schaeffler ID:  
0638591060000Angular contact ball bearing 32..-BD-  
XL-2Z-TVH, double row, X-life, shields,  
plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	30.2 mm	Width
$C_r$	51,000 N	Basic dynamic load rating, radial
$C_{0r}$	38,000 N	Basic static load rating, radial
$C_{ur}$	2,650 N	Fatigue load limit, radial
$n_G$	6,700 1/min	Limiting speed
$n_{gr}$	9,100 1/min	Reference speed
	0.59 kg	Weight

**Mounting dimensions**

$d_{a \min}$	47 mm	Minimum diameter shaft shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	1.1 mm	Minimum chamfer dimension
$D_2$	72.6 mm	Caliber diameter outer ring
$d_2$	52.8 mm	Caliber diameter inner ring
a	47.4 mm	Distance between the apexes of the pressure cones
$\alpha$	30 °	Contact angle

**Temperature range**

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.