



FAG

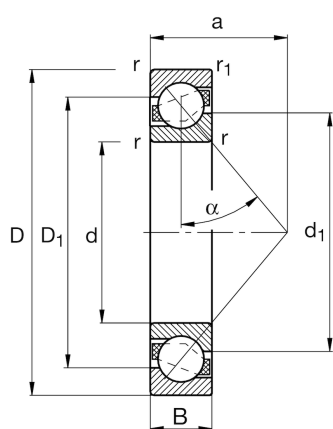
**7309-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:  
0167260490000Angular contact ball bearing 73..-B-XL-  
TVP, single row, X-life, plastic cage

X-life

## Technical information

**Dimensions**

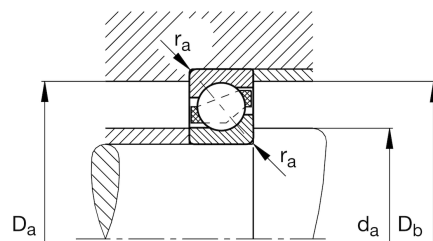
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
$D_1$	79,8 mm	Shoulder diameter on outer ring wide side face
$d_1$	66,7 mm	Shoulder diameter on inner ring wide side face
$a$	43 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle
	0,81 kg	Weight

**Main Dimensions & Performance Data**

$d$	45 mm	Bore diameter
$D$	100 mm	Outside diameter
$B$	25 mm	Width
$C_r$	69.000 N	Basic dynamic load rating, radial
$C_{0r}$	43.000 N	Basic static load rating, radial
$C_{ur}$	3.000 N	Fatigue load limit, radial
$n_G$	9.300 1/min	Limiting speed
$n_{gr}$	6.500 1/min	Reference speed

**Mounting dimensions**

$d_{a\min}$	54 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	91 mm	Maximum diameter of housing shoulder
$D_{b\max}$	94,4 mm	Maximaler Durchmesser der Gehäuseschulter
$r_{a\max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1\max}$	1 mm	Maximum fillet radius of housing



**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.