



FAG

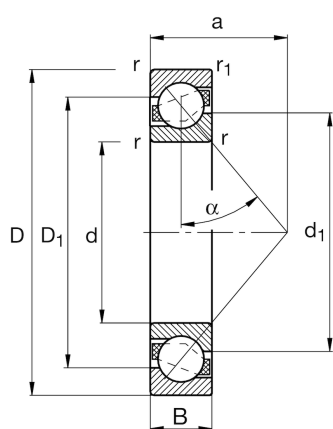
**7005-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:  
0388704360000Angular contact ball bearing 70..-B-XL-  
TVP, single row, X-life, plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

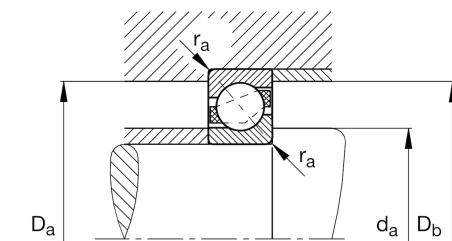
d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
$C_r$	16.000 N	Basic dynamic load rating, radial
$C_{0r}$	9.900 N	Basic static load rating, radial
$C_{ur}$	690 N	Fatigue load limit, radial
$n_G$	19.900 1/min	Limiting speed
$n_{gr}$	12.000 1/min	Reference speed
	71 g	Weight

**Mounting dimensions**

$d_{a \min}$	28,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	43,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	45 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0,3 mm	Maximum fillet radius of housing

**Dimensions**

$r_{\min}$	0,6 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
$D_1$	39,8 mm	Shoulder diameter on outer ring wide side face
$d_1$	33,9 mm	Shoulder diameter on inner ring wide side face
a	21 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle



**Temperature range**

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