



FAG

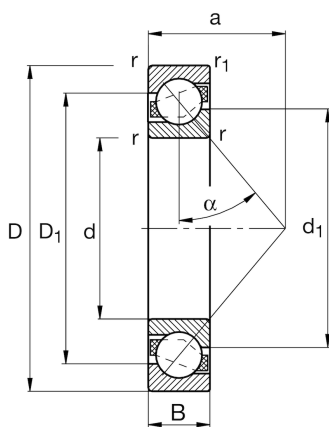
**7307-B-XL-TVP-L055-UM**

Angular contact ball bearing

Schaeffler ID:  
0886356780000Angular contact ball bearing 73..-B-XL-  
TVP, single row, X-life, plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

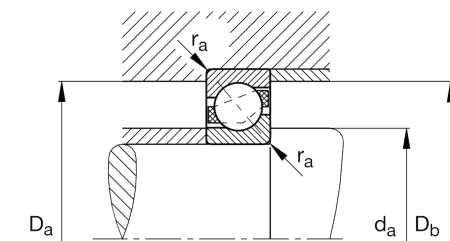
d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
$C_r$	45,500 N	Basic dynamic load rating, radial
$C_{0r}$	27,500 N	Basic static load rating, radial
$C_{ur}$	1,910 N	Fatigue load limit, radial
$n_G$	8,900 1/min	Limiting speed
$n_{gr}$	7,900 1/min	Reference speed
$\approx m$	0.451 kg	Weight

**Mounting dimensions**

$d_{a \min}$	44 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$D_{b \max}$	74.4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1.5 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

**Dimensions**

$r_{\min}$	1.5 mm	Minimum chamfer dimension
$r_{1 \min}$	1 mm	Minimum chamfer dimension
$D_1$	63.02 mm	Shoulder diameter on outer ring wide side face
$d_1$	53.12 mm	Shoulder diameter on inner ring wide side face
a	34.6 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle



**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

**Additional information**

$V_{\max}$	-16 $\mu\text{m}$	Preload per set max.
Tol (+)	8 $\mu\text{m}$	Tolerance for axial clearance or preload per set
$F_{V\max}$	900 N	Preload force