



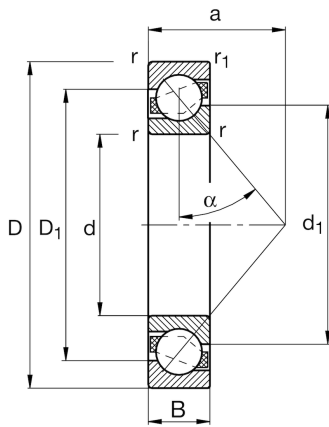
## 71814-TN

Angular contact ball bearing

Schaeffler ID:  
0096211210000

Angular contact ball bearing 718..-B-TVP,  
single row, plastic cage

### Technical information



### Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	90 mm	Outside diameter
B	10 mm	Width
$C_r$	15.800 N	Basic dynamic load rating, radial
$C_{0r}$	17.200 N	Basic static load rating, radial
$C_{ur}$	1.100 N	Fatigue load limit, radial
$n_G$	9.000 1/min	Limiting speed
$n_{gr}$	4.500 1/min	Reference speed
$\approx m$	0,134 kg	Weight

### Mounting dimensions

$d_{a \min}$	73,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	86,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	88 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
$D_1$	82 mm	Shoulder diameter on outer ring wide side face
$d_1$	78 mm	Shoulder diameter on inner ring wide side face
a	38,5 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.

