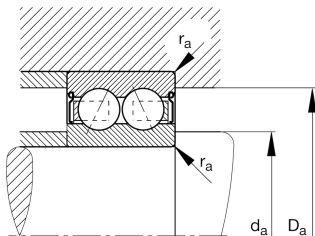
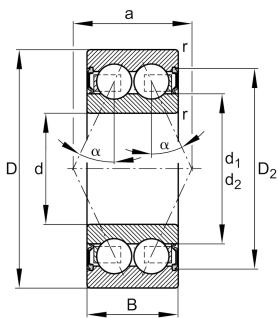


**3000-2RS**

## Angular contact ball bearing

Angular contact ball bearing 30...-B-2RS-TVH,  
double row, seals, plastic cage

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise, standard for $D \leq 62\text{mm}$
Axial internal clearance	CN	Group N (CN)

## Main Dimensions &amp; Performance Data

d	10 mm	Bore diameter
D	26 mm	Outside diameter
B	12 mm	Width
$C_r$	5,700 N	Basic dynamic load rating, radial
$C_{0r}$	3,200 N	Basic static load rating, radial
$C_{ur}$	166 N	Fatigue load limit, radial
$n_G$	18,100 1/min	Limiting speed
$\approx m$	0.03 kg	Weight



Mounting dimensions

$d_{a\ min}$	12 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	24 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.3 mm	Maximum fillet radius







Dimensions

$r_{\min}$	0.3 mm	Minimum chamfer dimension
$D_1$	20.65 mm	Shoulder diameter outer ring
$D_2$	21.16 mm	Caliber diameter outer ring
$d_1$	15.6 mm	Shoulder diameter inner ring
$d_2$	14.25 mm	Caliber diameter inner ring
$a$	12.6 mm	Distance between the apexes of the pressure cones
$\alpha$	25 °	Contact angle

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides