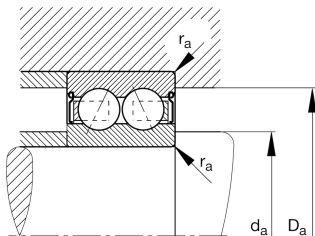
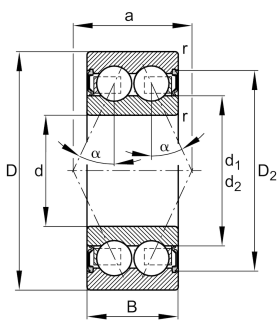


**3904-2RS**

Angular contact ball bearing

Angular contact ball bearing 39...-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 & Performance Data

d	20 mm	Bore diameter
D	37 mm	Outside diameter
B	13 mm	Width
C_r	9,100 N	Basic dynamic load rating, radial
C_{0r}	6,800 N	Basic static load rating, radial
C_{ur}	355 N	Fatigue load limit, radial
n_G	10,300 1/min	Limiting speed
$\approx m$	0.054 kg	Weight



Mounting dimensions

$d_{a\ min}$	23.2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	33.8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.6 mm	Maximum fillet radius




Dimensions

$r_{\ min}$	0.6 mm	Minimum chamfer dimension
$D_{\ 1}$	32.85 mm	Shoulder diameter outer ring
$D_{\ 2}$	33.45 mm	Caliber diameter outer ring
$d_{\ 1}$	27.08 mm	Shoulder diameter inner ring
$d_{\ 2}$	24.6 mm	Caliber diamter inner ring
a	18.8 mm	Distance between the apexes of the pressure cones
α	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