

## Technical information



### Your current product variant

Design variant	B	B
Sealing	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P5	Class 5 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UA	Bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

### Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
$C_r$	52.000 N	Basic dynamic load rating, radial
$C_{0r}$	38.500 N	Basic static load rating, radial
$C_{ur}$	2.650 N	Fatigue load limit, radial
$n_G$	9.200 1/min	Limiting speed
$n_{gr}$	6.800 1/min	Reference speed
$\approx m$	0,605 kg	Weight



### Mounting dimensions

$d_{a \min}$	64 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$D_{b \max}$	94,4 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
$D_1$	83 mm	Shoulder diameter on outer ring wide side face
$d_1$	72,56 mm	Shoulder diameter on inner ring wide side face
$a$	43 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

$A_{\min}$	46 $\mu\text{m}$	Axial clearance per set min.
Tol (+)	6 $\mu\text{m}$	Tolerance for axial clearance or preload per set

### Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed