



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	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Bearing with matched conditions for fitting in pairs	UO	Bearing set clearance-free in O or X arrangement
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	130 mm	Bore diameter
D	280 mm	Outside diameter
B	58 mm	Width
C_r	305.000 N	Basic dynamic load rating, radial
C_{0r}	325.000 N	Basic static load rating, radial
C_{ur}	15.900 N	Fatigue load limit, radial
n_G	3.050 1/min	Limiting speed
n_{gr}	2.600 1/min	Reference speed
$\approx m$	15,1 kg	Weight



Mounting dimensions

$d_{a \min}$	147 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	263 mm	Maximum diameter of housing shoulder
$D_{b \max}$	271 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
D_1	222,5 mm	Shoulder diameter on outer ring wide side face
d_1	188,5 mm	Shoulder diameter on inner ring wide side face
a	115 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

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

Additional information

A_{\min}	0 μm	Axial clearance per set min.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set

Characteristics

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