**FAG****QJ208-XL-N-TVP**

Four-point contact bearing

Four point contact bearing QJ2..-XL-N-TVP,
X-life, ring groove, plastic cage**X-life**

Technical information



Your current product variant

Design, bearing outer ring	N	Ring groove for snap ring
Tolerance class	PN	Normal (ISO 492:2023)
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
C _r	58.000 N	Basic dynamic load rating, radial
C _{0r}	46.500 N	Basic static load rating, radial
C _{ur}	3.250 N	Fatigue load limit, radial
n _G	11.600 1/min	Limiting speed
n _{gr}	7.500 1/min	Reference speed
≈m	385 g	Weight



Mounting dimensions

$d_{a \min}$	47 mm	Minimum diameter shaft shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

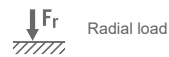
Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	66,8 mm	Shoulder diameter outer ring
d_1	53,65 mm	Shoulder diameter inner ring
a	42 mm	Distance between the apexes of the pressure cones
α	35 °	Contact angle

Temperature range

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

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed