



FAG

7202-B-XL-TVP [↗](#)

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-TVP, single row, X-life, plastic cage

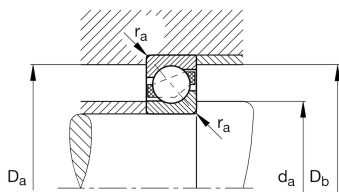
X-life

Technical information



Variante de su producto actual

Design variant	B	B
Sealing	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased



Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C_r	8,900 N	Basic dynamic load rating, radial
C_{0r}	4,450 N	Basic static load rating, radial
C_{ur}	305 N	Fatigue load limit, radial
n_G	29,500 1/min	Limiting speed
n_{gr}	19,100 1/min	Reference speed
$\approx m$	0.044 kg	Peso



Mounting dimensions

$d_{a \min}$	19.2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	30.8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	32.6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0.3 mm	Maximum fillet radius of housing






Dimensions

r_{\min}	0.6 mm	Minimum chamfer dimension
$r_{1 \min}$	0.3 mm	Minimum chamfer dimension
D_1	27.63 mm	Shoulder diameter on outer ring wide side face
d_1	22.76 mm	Shoulder diameter on inner ring wide side face
a	16 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.

Características

-  F_r Carga radial
-  F_a Carga axial en un sentido
-  Lubricación con grasa
-  Lubricación con aceite
-  No obturado