

FAG

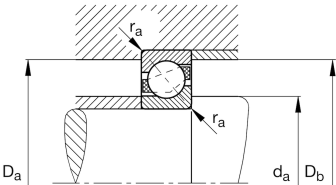
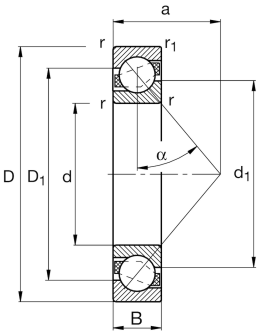
7213-B-XL-TVP [↗](#)

Angular contact ball bearing

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

X-life

Technical information



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	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	65 mm	Bore diameter
D	120 mm	Outside diameter
B	23 mm	Width
C <sub>r</sub>	71,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	55,000 N	Basic static load rating, radial
C <sub>ur</sub>	3,850 N	Fatigue load limit, radial
n <sub>G</sub>	7,600 1/min	Limiting speed
n <sub>gr</sub>	5,700 1/min	Reference speed
≈m	1.01 kg	Weight



Mounting dimensions

$d_{a\ min}$	74 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	111 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	114.4 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
$D_1$	98.9 mm	Shoulder diameter on outer ring wide side face
$d_1$	86.32 mm	Shoulder diameter on inner ring wide side face
$a$	50.3 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.

Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed