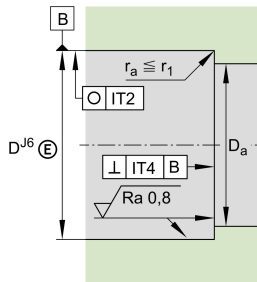


**FAG****7603020-2RS-TVP**

Axial angular contact ball bearing

Axial angular contact ball bearings
7603...2RS, single direction, with contact
angle $\alpha = 60^\circ$, restricted tolerances, lip seals
on both sides

Technical information



Your current product variant

Cage	TVP	Plastic cage
Sealing	2RS	Contact lip seals on both sides
Arrangement bearing set	Standard	Single bearing
Lubricant	Without	Not greased

Main Dimensions & Performance Data

d	20 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	52 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,007 mm	Outside diameter lower tolerance
B	15 mm	Width
	0 mm	Width upper tolerance
	-0,12 mm	Width lower tolerance
C_a	25.500 N	Basic dynamic load rating, axial
C_{0a}	53.000 N	Basic static load rating, axial
C_{ua}	2.430 N	Fatigue load limit, axial
n_G Grease	6.200 1/min	Limiting speed for grease lubrication
n_g	4.500 1/min	Thermally safe operating speed
$\approx m$	174 g	Weight



Mounting dimensions

D_a	43,5 mm	Diameter of housing
D_a	H12	Diameter of housing clearance
d_a	30,5 mm	Diameter shaft
d_a	h12	Diameter shaft clearance

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
$r_{1 min}$	1,1 mm	Minimum chamfer dimension
a	36,5 mm	Distance between the apexes of the pressure cones
α	60 °	Contact angle

Temperature range

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

Additional information

M_R	0,06 Nm	Bearing frictional torque
c_{aL}	787 N/ μ m	Rigidity axial
	2 μ m	Axial runout
	ZM20	Recommended INA precision locknut for radial locking
	AM20	Recommended INA precision locknut for axial locking
M_A	18 Nm	Tightening torque for the recommended INA precision locknut
	11.600 N	Required locknut force axial



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides