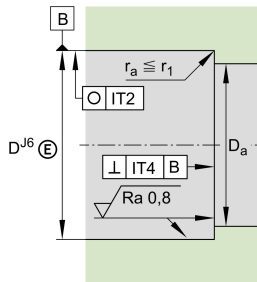


**FAG****7603020-2RS-TVP**

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 &amp; 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
$\alpha$	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/μm	Rigidity axial
	2 μm	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

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Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides