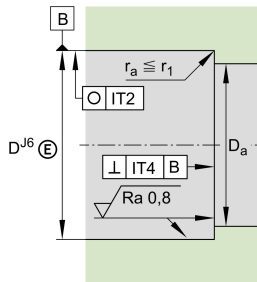


**FAG****7603025-2RS-TVP**

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	25 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,005 mm	Bore diameter lower tolerance
D	62 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,007 mm	Outside diameter lower tolerance
B	17 mm	Width
	0 mm	Width upper tolerance
	-0,12 mm	Width lower tolerance
C _a	29.500 N	Basic dynamic load rating, axial
C _{0a}	68.000 N	Basic static load rating, axial
C _{ua}	3.100 N	Fatigue load limit, axial
n _G Grease	5.100 1/min	Limiting speed for grease lubrication
n _g	3.800 1/min	Thermally safe operating speed
≈m	0,275 kg	Weight



Mounting dimensions

D_a	52 mm	Diameter of housing
D_a	H12	Diameter of housing clearance
d_a	38 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	47,5 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	0,09 Nm	Bearing frictional torque
c_{aL}	917 N/μm	Rigidity axial
	2 μm	Axial runout
	ZM25	Recommended INA precision locknut for radial locking
	AM25	Recommended INA precision locknut for axial locking
M_A	40 Nm	Tightening torque for the recommended INA precision locknut
	14.480 N	Required locknut force axial



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides