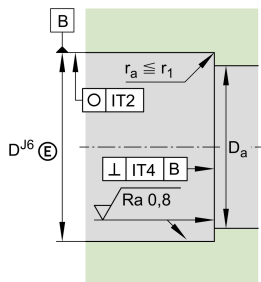


**FAG****7603035-TVP**

Axial angular contact ball bearing

Axial angular contact ball bearings 7603, single direction, with contact angle $\alpha = 60^\circ$, restricted tolerances

Technical information



Your current product variant

| | | |
|-------------------------|----------|----------------|
| Cage | TVP | Plastic cage |
| Sealing | Without | |
| Arrangement bearing set | Standard | Single bearing |
| Lubricant | Without | Not greased |

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 35 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,006 mm | Bore diameter lower tolerance |
| D | 80 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,007 mm | Outside diameter lower tolerance |
| B | 21 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,12 mm | Width lower tolerance |
| C _a | 38.000 N | Basic dynamic load rating, axial |
| C _{0a} | 100.000 N | Basic static load rating, axial |
| C _{ua} | 4.550 N | Fatigue load limit, axial |
| n _G Grease | 5.100 1/min | Limiting speed for grease lubrication |
| n _g | 3.000 1/min | Thermally safe operating speed |
| ≈m | 479 g | Weight |



Mounting dimensions

| | | |
|-------|-------|-------------------------------|
| D_a | 67 mm | Diameter of housing |
| D_a | H12 | Diameter of housing clearance |
| d_a | 51 mm | Diameter shaft |
| d_a | h12 | Diameter shaft clearance |

Dimensions

| | | |
|-------------|---------|---|
| r_{min} | 1,5 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 1,5 mm | Minimum chamfer dimension |
| a | 61,5 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 | 0,17 Nm | Bearing frictional torque |
| c_{aL} | 1.192 N/μm | Rigidity axial |
| | 2 μm | Axial runout |
| | ZM35 | Recommended INA precision locknut for radial locking |
| | AM35 | Recommended INA precision locknut for axial locking |
| M_A | 65 Nm | Tightening torque for the recommended INA precision locknut |
| | 17.380 N | Required locknut force axial |



Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Not sealed