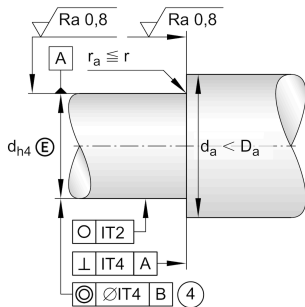
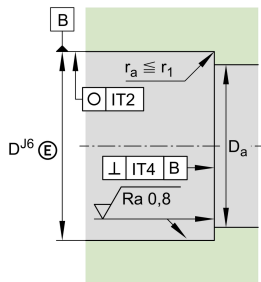
**FAG****7602012-TVP** [↗](#)

Axial angular contact ball bearing

Axial angular contact ball bearing 7602...-TVP,  
single direction, no screw mounting

## Technical information



## Your current product variant

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

## Main Dimensions &amp; Performance Data

|                          |              |                                       |
|--------------------------|--------------|---------------------------------------|
| d                        | 12 mm        | Bore diameter                         |
|                          | 0 mm         | Bore diameter upper tolerance         |
|                          | -0,004 mm    | Bore diameter lower tolerance         |
| D                        | 32 mm        | Outside diameter                      |
|                          | 0 mm         | Outside diameter upper tolerance      |
|                          | -0,006 mm    | Outside diameter lower tolerance      |
| B                        | 10 mm        | Width                                 |
|                          | 0 mm         | Width upper tolerance                 |
|                          | -0,08 mm     | Width lower tolerance                 |
| C <sub>a</sub>           | 12.200 N     | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 20.700 N     | Basic static load rating, axial       |
| C <sub>ua</sub>          | 940 N        | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 14.100 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 8.000 1/min  | Thermally safe operating speed        |
| ≈m                       | 42 g         | Weight                                |



### Mounting dimensions

|       |       |                               |
|-------|-------|-------------------------------|
| $D_a$ | 27 mm | Diameter of housing           |
| $D_a$ | H12   | Diameter of housing clearance |
| $d_a$ | 17 mm | Diameter shaft                |
| $d_a$ | h12   | Diameter shaft clearance      |

### Dimensions

|             |        |   |
|-------------|--------|---|
| $r_{min}$   | 0,6 mm | Minimum chamfer dimension                         |
| $r_{1 min}$ | 0,6 mm | Minimum chamfer dimension                         |
| $a$         | 24 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

|          |                |   |
|----------|----------------|---|
| $M_R$    | 0,015 Nm       | Bearing frictional torque                                   |
| $c_{aL}$ | 476 N/ $\mu$ m | Rigidity axial  |
|          | 2 $\mu$ m      | Axial runout  |
|          | ZM12           | Recommended INA precision locknut for radial locking        |
| $M_A$    | 8 Nm           | Tightening torque for the recommended INA precision locknut |
|          | 6.110 N        | Required locknut force axial                                |

### Characteristics

|   |                             |
|---|-----------------------------|
|  | Radial load                 |
|  | Axial load in one direction |
|  | Grease Lubrication          |
|  | Not sealed                  |