

# Axial angular contact ball bearings

## 7602015-2RS-TVP (Series 7602..-2RS)

single direction, with contact angle  $\alpha = 60^\circ$ , restricted tolerances, lip seals on both sides

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue selection system (<http://www.fag.de/content.fag.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

|      |            |                                                                                                             |
|------|------------|-------------------------------------------------------------------------------------------------------------|
| d    | 15 mm      | Tolerance: 0/-0,004                                                                                         |
| D    | 35 mm      | Tolerance: 0/-0,006                                                                                         |
| B    | 11 mm      | Tolerance: 0/-0,08                                                                                          |
|      | 60 °       | Contact angle                                                                                               |
| a    | 27,5 mm    |                                                                                                             |
| Da   | 30 mm      | Tolerance: H12                                                                                              |
| da   | 20,5 mm    | Tolerance: h12                                                                                              |
| r1   | 0,6 mm     |                                                                                                             |
| rmin |            |                                                                                                             |
| rmin | 0,6 mm     |                                                                                                             |
| m    | 0,052 kg   | Mass                                                                                                        |
| Ca   | 13100 N    | Basic dynamic load rating, axial                                                                            |
| Coa  | 24700 N    | Basic static load rating, axial                                                                             |
| Cua  | 1090 N     | Fatigue limit load, axial                                                                                   |
| nG   | 9000 1/min | Limiting speed for grease lubrication                                                                       |
| Fett |            |                                                                                                             |
| n§   | 6700 1/min |                                                                                                             |
| MRL  | 0,024 Nm   | Bearing frictional torque<br>Valid for individual bearing with stated preload force, bearing lightly oiled. |
| CaL  | 516 N/µm   | Axial rigidity<br>Valid for matched pair of bearings in O or X arrangement                                  |
|      | 2 µm       | Axial runout<br>The axial runout data for screw drive bearing arrangements are based on the rotating inner  |

|    |                                                       |
|----|-------------------------------------------------------|
|    | ring.                                                 |
|    | ZM15 Designation of recommended INA locknut           |
|    | AM15 Designation of recommended INA locknut           |
| MA | 10 Nm Tightening torque                               |
|    | Only valid in conjunction with INA precision locknuts |
|    | 5740 N Axial preload force                            |



