

Axial angular contact ball bearings

7603030-TVP (Series 7603)

single direction, with contact angle $\alpha = 60^\circ$, restricted tolerances

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	30 mm	Tolerance: 0/-0,005
D	72 mm	Tolerance: 0/-0,007
B	19 mm	Tolerance: 0/-0,12
	60 °	Contact angle
a	55,5 mm	
Da	61 mm	Tolerance: H12
da	45 mm	Tolerance: h12
r1	1,1 mm	
rmin	1,1 mm	
m	0,409 kg	Mass
Ca	36500 N	Basic dynamic load rating, axial
C0a	89000 N	Basic static load rating, axial
Cua	3950 N	Fatigue limit load, axial
nG	5700 1/min	Limiting speed for grease lubrication
Fett		
n9	3200 1/min	
MRL	0,13 Nm	Bearing frictional torque Valid for individual bearing with stated preload force, bearing lightly oiled.
CaL	1073 N/μm	Axial rigidity Valid for matched pair of bearings in O or X arrangement
	2 μm	Axial runout The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.
	ZM30	Designation of recommended INA locknut

MA	AM30	Designation of recommended INA locknut
	55 Nm	Tightening torque
	Only valid in conjunction with INA precision locknuts	
	16180 N	Axial preload force



