

Axial angular contact ball bearings

7603055-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	55 mm	Tolerance: 0/-0,007
D	120 mm	Tolerance: 0/-0,008
B	29 mm	Tolerance: 0/-0,15
	60 °	Contact angle
a	91,5 mm	
Da	101 mm	Tolerance: H12
da	77 mm	Tolerance: h12
r1	2 mm	
rmin		
rmin	2 mm	
m	1,67 kg	Mass
Ca	85000 N	Basic dynamic load rating, axial
C0a	255000 N	Basic static load rating, axial
Cua	11200 N	Fatigue limit load, axial
nG	3300 1/min	Limiting speed for grease lubrication
Fett		
n9	1900 1/min	
MRL	0,46 Nm	Bearing frictional torque Valid for individual bearing with stated preload force, bearing lightly oiled.
CaL	1723 N/μm	Axial rigidity Valid for matched pair of bearings in O or X arrangement
	3 μm	Axial runout The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.
	ZM55	Designation of recommended INA locknut

MA	AM55	Designation of recommended INA locknut
	130 Nm	Tightening torque
	Only valid in conjunction with INA precision locknuts	
	24120 N	Axial preload force



