

Axial angular contact ball bearings

7603025-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	25 mm	Tolerance: 0/-0,005
D	62 mm	Tolerance: 0/-0,007
B	17 mm	Tolerance: 0/-0,12
	60 °	Contact angle
a	47,5 mm	
Da	52 mm	Tolerance: H12
da	38 mm	Tolerance: h12
r1	1,1 mm	
rmin		
rmin	1,1 mm	
m	0,275 kg	Mass
Ca	29500 N	Basic dynamic load rating, axial
C0a	68000 N	Basic static load rating, axial
Cua	3000 N	Fatigue limit load, axial
nG	6800 1/min	Limiting speed for grease lubrication
Fett		
n9	3800 1/min	
MRL	0,085 Nm	Bearing frictional torque Valid for individual bearing with stated preload force, bearing lightly oiled.
CaL	917 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.
	ZM25	Designation of recommended INA locknut

MA	AM25	Designation of recommended INA locknut
	40 Nm	Tightening torque
	Only valid in conjunction with INA precision locknuts	
	14480 N	Axial preload force



