

# Toyana 545112/545141 tapered roller bearings

Toyana 545112/545141 tapered roller bearings Warehouse offers car parts and 80x55x13 Size (mm) car 55 Outer Diameter (mm) accessories. We sell discount online as well as cheap machinery parts.

Size (mm)	80x55x13
Bore Diameter (mm)	80
Outer Diameter (mm)	55
Width (mm)	13
d	55 mm
D	80 mm
B	13 mm
d1	62.7 mm
d2	62.7 mm
D1	72.3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	22.4 mm
da – min.	59.6 mm
db – min.	59.6 mm
Da – max.	75.4 mm
Db – max.	78 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	64.7 mm
Basic dynamic load rating – C	18.2 kN

Basic static load rating – C0	13.7 kN
Fatigue load limit – Pu	0.585 kN
Limiting speed for grease lubrication	17000 r/min
Limiting speed for oil lubrication	28000 mm/min
Ball – Dw	7.938 mm
Ball – z	23
Gref	2.49 cm <sup>3</sup>
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	120 N
Preload class B – GB	240 N
Preload class C – GC	480 N
Preload class D – GD	960 N
Calculation factor – f	1.15
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.07
Calculation factor – f2C	1.12
Calculation factor – f2D	1.17
Calculation factor – fHC	1.04
Preload class A	137 N/micron
Preload class B	179 N/micron
Preload class C	234 N/micron
Preload class D	312 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm

da min.	59.6 mm
db min.	59.6 mm
Da max.	75.4 mm
Db max.	78 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	18.2 kN
Basic static load rating C0	13.7 kN
Fatigue load limit Pu	0.585 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	28000 r/min
Ball diameter Dw	7.938 mm
Number of balls z	23
Reference grease quantity Gref	2.49 cm <sup>3</sup>
Preload class A GA	120 N
Static axial stiffness, preload class A	137 N/μm
Preload class B GB	240 N
Static axial stiffness, preload class B	179 N/μm
Preload class C GC	480 N
Static axial stiffness, preload class C	234 N/μm
Preload class D GD	960 N
Static axial stiffness, preload class D	312 N/μm
Calculation factor f	1.15
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12
Calculation factor f2D	1.17
Calculation factor fHC	1.04

Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.15 kg