

# Toyana 7018 ATBP4 angular contact ball bearings

Enjoy High Margins 180 Bore Diameter (mm) on Competitive Pricing.Great Wholesale Products 120 Outer Diameter (mm) at Low Costs. 180x120x28 Size (mm)

Size (mm)	180x120x28
Bore Diameter (mm)	180
Outer Diameter (mm)	120
Width (mm)	28
d	120 mm
D	180 mm
B	28 mm
d1	141.42 mm
d2	137.8 mm
D1	158.61 mm
r1,2 – min.	2 mm
r3,4 – min.	1 mm
a	49.3 mm
da – min.	128.8 mm
db – min.	128.8 mm
Da – max.	171.2 mm
Db – max.	174.4 mm
ra – max.	2 mm
rb – max.	1 mm
dn	144.9 mm
Basic dynamic load rating – C	54 kN
Basic static load rating – C0	52 kN

Fatigue load limit – Pu	1.8 kN
Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil lubrication	15500 mm/min
Ball – Dw	14.288 mm
Ball – z	29
Gref	28 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	490 N
Preload class B – GB	1480 N
Preload class C – GC	2950 N
Calculation factor – f	1.12
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1.01
Preload class A	288 N/micron
Preload class B	433 N/micron
Preload class C	568 N/micron
r1,2 min.	2 mm
r3,4 min.	1 mm
da min.	128.8 mm
db min.	128.8 mm
Da max.	171.2 mm
Db max.	174.4 mm

ra max.	2 mm
rb max.	1 mm
Basic dynamic load rating C	54 kN
Basic static load rating C0	52 kN
Fatigue load limit Pu	1.8 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	15500 r/min
Ball diameter Dw	14.288 mm
Number of balls z	29
Reference grease quantity Gref	28 cm <sup>3</sup>
Preload class A GA	490 N
Static axial stiffness, preload class A	288 N/μm
Preload class B GB	1480 N
Static axial stiffness, preload class B	433 N/μm
Preload class C GC	2950 N
Static axial stiffness, preload class C	568 N/μm
Calculation factor f	1.12
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1.01
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	1.96 kg