

# SKF 7318 BEGAM angular contact ball bearings

Manufacturers of all are represented in our partial list of 100x70x16 Size (mm) clients. Contact Gary for a complete SKF 7318 BEGAM angular contact ball bearings list of 70 Outer Diameter (mm) clients 100 Bore Diameter (mm) and projects.

Size (mm)	100x70x16
Bore Diameter (mm)	100
Outer Diameter (mm)	70
Width (mm)	16
d	70 mm
D	100 mm
B	16 mm
d1	79.2 mm
d2	79.2 mm
D1	90.8 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	19.4 mm
da – min.	74.6 mm
db – min.	74.6 mm
Da – max.	95.4 mm
Db – max.	98 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	81.7 mm
Basic dynamic load rating – C	34.5 kN

Basic static load rating – C0	34 kN
Fatigue load limit – Pu	1.4 kN
Limiting speed for grease lubrication	16000 r/min
Limiting speed for oil lubrication	24000 mm/min
Ball – Dw	9.525 mm
Ball – z	24
Gref	4.5 cm <sup>3</sup>
Calculation factor – f0	16.2
Preload class A – GA	130 N
Preload class B – GB	260 N
Preload class C – GC	520 N
Preload class D – GD	1040 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.07
Calculation factor – f2C	1.12
Calculation factor – f2D	1.18
Calculation factor – fHC	1.04
Preload class A	84 N/micron
Preload class B	115 N/micron
Preload class C	164 N/micron
Preload class D	239 N/micron
r1,2 min.	1 mm
r3,4 min.	0.3 mm
da min.	74.6 mm
db min.	74.6 mm
Da max.	95.4 mm
Db max.	98 mm
ra max.	1 mm

rb max.	0.3 mm
Basic dynamic load rating C	34.5 kN
Basic static load rating C0	34 kN
Fatigue load limit Pu	1.43 kN
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter Dw	9.525 mm
Number of balls z	24
Reference grease quantity Gref	4.5 cm <sup>3</sup>
Preload class A GA	130 N
Static axial stiffness, preload class A	84 N/μm
Preload class B GB	260 N
Static axial stiffness, preload class B	115 N/μm
Preload class C GC	520 N
Static axial stiffness, preload class C	164 N/μm
Preload class D GD	1040 N
Static axial stiffness, preload class D	239 N/μm
Calculation factor f	1.19
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12
Calculation factor f2D	1.18
Calculation factor fHC	1.04
Calculation factor f0	16.2
Mass bearing	0.28 kg