

ISO 7207 ADF angular contact ball bearings

ISO 7207 ADF angular contact ball bearings Product Brochures , 22x8x7 Size (mm) Manufacturing Service . Get Your Free.

Size (mm)	22x8x7
Bore Diameter (mm)	22
Outer Diameter (mm)	8
Width (mm)	7
d	8 mm
D	22 mm
B	7 mm
d1	12.6 mm
d2	12.6 mm
D1	17.4 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.2 mm
a	7 mm
da – min.	10 mm
db – min.	10 mm
Da – max.	20 mm
Db – max.	20.6 mm
ra – max.	0.3 mm
rb – max.	0.2 mm
dn	13.6 mm
Basic dynamic load rating – C	3.2 kN
Basic static load rating – C0	1.3 kN
Fatigue load limit – Pu	0.056 kN

Limiting speed for grease lubrication	95000 r/min
Limiting speed for oil lubrication	150000 mm/min
Ball – Dw	3.969 mm
Ball – z	9
Gref	0.15 cm ³
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	20 N
Preload class B – GB	40 N
Preload class C – GC	80 N
Preload class D – GD	160 N
Calculation factor – f	1.02
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1.02
Preload class A	32 N/micron
Preload class B	41 N/micron
Preload class C	53 N/micron
Preload class D	71 N/micron
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
da min.	10 mm
db min.	10 mm

Da max.	20 mm
Db max.	20.6 mm
ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	3.19 kN
Basic static load rating C0	1.34 kN
Fatigue load limit Pu	0.056 kN
Attainable speed for grease lubrication	95000 r/min
Attainable speed for oil-air lubrication	150000 r/min
Ball diameter Dw	3.969 mm
Number of balls z	9
Reference grease quantity Gref	0.15 cm ³
Preload class A GA	20 N
Static axial stiffness, preload class A	32 N/μm
Preload class B GB	40 N
Static axial stiffness, preload class B	41 N/μm
Preload class C GC	80 N
Static axial stiffness, preload class C	53 N/μm
Preload class D GD	160 N
Static axial stiffness, preload class D	71 N/μm
Calculation factor f	1.02
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor f2D	1.08
Calculation factor fHC	1.02
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	0.011 kg