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 cm3
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
r1,2 min.	0.3 mm
r3,4 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