

Fersa NUP304FM/C3 cylindrical roller bearings

Online Fersa NUP304FM/C3 cylindrical roller bearings 72 Bore Diameter (mm) 50 Outer Diameter (mm) Expert.More Choices. Fersa NUP304FM/C3 cylindrical roller bearings in Stock & Ready 72x50x12 Size (mm) to Ship Now!

Size (mm)	72x50x12
Bore Diameter (mm)	72
Outer Diameter (mm)	50
Width (mm)	12
d	50 mm
D	72 mm
B	12 mm
d1	56.7 mm
d2	54.9 mm
D1	65.3 mm
K	0.5 mm
C1	3.53 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	21.2 mm
da – min.	53.2 mm
db – min.	52 mm
Da – max.	68.8 mm
Db – max.	70 mm
ra – max.	0.6 mm
rb – max.	0.3 mm

dn	58.4 mm
Basic dynamic load rating – C	12.1 kN
Basic static load rating – C0	8.2 kN
Fatigue load limit – Pu	0.345 kN
Limiting speed for grease lubrication	28000 r/min
Limiting speed for oil lubrication	43000 mm/min
Ball – Dw	7.144 mm
Ball – z	21
Gref	1.7 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	110 N
Preload class B – GB	330 N
Preload class C – GC	660 N
Calculation factor – f	1.15
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	107 N/micron
Preload class B	161 N/micron
Preload class C	211 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
da min.	53.2 mm

db min.	52 mm
Da max.	68.8 mm
Db max.	70 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	12.1 kN
Basic static load rating C0	8.15 kN
Fatigue load limit Pu	0.345 kN
Attainable speed for grease lubrication	28000 r/min
Attainable speed for oil-air lubrication	43000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	21
Reference grease quantity Gref	1.7 cm ³
Preload class A GA	110 N
Static axial stiffness, preload class A	107 N/μm
Preload class B GB	330 N
Static axial stiffness, preload class B	161 N/μm
Preload class C GC	660 N
Static axial stiffness, preload class C	211 N/μm
Calculation factor f	1.15
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.08
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	0.11 kg