

# FAG RN2205-E-MPBX cylindrical roller bearings

Online FAG RN2205-E-MPBX cylindrical roller bearings Expert.More Choices. FAG RN2205-E-MPBX cylindrical roller bearings 200 Bore Diameter (mm) in Stock & 200x110x38 Size (mm) Ready 110 Outer Diameter (mm) to Ship Now!

Size (mm)	200x110x38
Bore Diameter (mm)	200
Outer Diameter (mm)	110
Width (mm)	38
d	110 mm
D	200 mm
B	38 mm
d1	138.7 mm
d2	138.7 mm
D1	171.3 mm
r1,2 – min.	2.1 mm
r3,4 – min.	1.1 mm
a	55.4 mm
da – min.	122 mm
db – min.	122 mm
Da – max.	188 mm
Db – max.	193 mm
ra – max.	2 mm
rb – max.	1 mm
dn	145.9 mm
Basic dynamic load rating – C	168 kN

Basic static load rating – C0	160 kN
Fatigue load limit – Pu	5.4 kN
Limiting speed for grease lubrication	7500 r/min
Limiting speed for oil lubrication	12000 mm/min
Ball – Dw	26.988 mm
Ball – z	16
Gref	54.15 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	1050 N
Preload class B – GB	2100 N
Preload class C – GC	4200 N
Preload class D – GD	8400 N
Calculation factor – f	1.08
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.01
Calculation factor – f2C	1.03
Calculation factor – f2D	1.06
Calculation factor – fHC	1.01
Preload class A	361 N/micron
Preload class B	469 N/micron
Preload class C	618 N/micron
Preload class D	830 N/micron
r1,2 min.	2.1 mm
r3,4 min.	1.1 mm

da min.	122 mm
db min.	122 mm
Da max.	188 mm
Db max.	193 mm
ra max.	2 mm
rb max.	1 mm
Basic dynamic load rating C	168 kN
Basic static load rating C0	160 kN
Fatigue load limit Pu	5.4 kN
Attainable speed for grease lubrication	7500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Ball diameter Dw	26.988 mm
Number of balls z	16
Reference grease quantity Gref	54.15 cm <sup>3</sup>
Preload class A GA	1050 N
Static axial stiffness, preload class A	361 N/μm
Preload class B GB	2100 N
Static axial stiffness, preload class B	469 N/μm
Preload class C GC	4200 N
Static axial stiffness, preload class C	618 N/μm
Preload class D GD	8400 N
Static axial stiffness, preload class D	830 N/μm
Calculation factor f	1.08
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.01
Calculation factor f2C	1.03
Calculation factor f2D	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	3.86 kg