

KOYO NUP2211R cylindrical roller bearings

KOYO NUP2211R cylindrical roller bearings with easy-to-use parts graphics, giving you the ability to check parts availability, pricing, examine remanufactured 19x7x6 Size (mm) options. 7 Outer Diameter (mm)

Size (mm)	19x7x6
Bore Diameter (mm)	19
Outer Diameter (mm)	7
Width (mm)	6
d	7 mm
D	19 mm
B	6 mm
d1	10.8 mm
d2	10.8 mm
D1	15.2 mm
K	0.5 mm
C1	3.65 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	6.1 mm
da – min.	9 mm
db – min.	9 mm
Da – max.	17 mm
Db – max.	18.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm

dn	11.7 mm
Basic dynamic load rating – C	2.4 kN
Basic static load rating – C0	0.95 kN
Fatigue load limit – Pu	0.04 kN
Limiting speed for grease lubrication	110000 r/min
Limiting speed for oil lubrication	170000 mm/min
Ball – Dw	3.572 mm
Ball – z	8
Gref	0.12 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	15 N
Preload class B – GB	30 N
Preload class C – GC	60 N
Preload class D – GD	120 N
Calculation factor – f	1.03
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	25 N/micron
Preload class B	33 N/micron
Preload class C	43 N/micron
Preload class D	57 N/micron

r _{1,2} min.	0.3 mm
r _{3,4} min.	0.15 mm
d _a min.	9 mm
d _b min.	9 mm
D _a max.	17 mm
D _b max.	18.2 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Basic dynamic load rating C	2.42 kN
Basic static load rating C ₀	0.95 kN
Fatigue load limit P _u	0.04 kN
Attainable speed for grease lubrication	110000 r/min
Attainable speed for oil-air lubrication	170000 r/min
Ball diameter D _w	3.572 mm
Number of balls z	8
Reference grease quantity G _{ref}	0.12 cm ³
Preload class A G _A	15 N
Static axial stiffness, preload class A	25 N/μm
Preload class B G _B	30 N
Static axial stiffness, preload class B	33 N/μm
Preload class C G _C	60 N
Static axial stiffness, preload class C	43 N/μm
Preload class D G _D	120 N
Static axial stiffness, preload class D	57 N/μm
Calculation factor f	1.03
Calculation factor f ₁	0.99
Calculation factor f _{2A}	1
Calculation factor f _{2B}	1.02
Calculation factor f _{2C}	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	0.007 kg