

# KOYO NJ2211R cylindrical roller bearings

Our highly-skilled and factory-trained service experts have the 110x45x42 Size (mm) resources to help you with all your KOYO NJ2211R cylindrical roller bearings needs – including routine maintenance, major repairs, warranty service, and 45 Outer Diameter (mm) equipment inspections.

Size (mm)	110x45x42
Bore Diameter (mm)	110
Outer Diameter (mm)	45
Width (mm)	42
d1	45 mm
D	110 mm
B1	42 mm
d3	70 mm
D1	92.6 mm
B	27 mm
B4	12 mm
r1,2 – min.	2 mm
da – max.	70 mm
db – min.	55 mm
Da – max.	99 mm
Ba – min.	6 mm
ra – max.	2 mm
Basic dynamic load rating – C	43.6 kN
Basic static load rating – C0	14 kN
Fatigue load limit – Pu	0.72 kN

Reference speed	12000 r/min
Limiting speed	8000 r/min
Calculation factor – kr	0.04
Calculation factor – e	0.24
Calculation factor – Y0	2.8
Calculation factor – Y1	2.6
Calculation factor – Y2	4.1
d	45 mm
D1 ≈	92.6 mm
r1,2 min.	2 mm
da max.	70 mm
db min.	55 mm
Da max.	99 mm
Ba min.	6 mm
ra max.	2 mm
Basic dynamic load rating C	43.6 kN
Basic static load rating C0	14 kN
Fatigue load limit Pu	0.72 kN
Permissible angular misalignment α	3 °
Calculation factor kr	0.04
Calculation factor e	0.24
Calculation factor Y0	2.8
Calculation factor Y1	2.6
Calculation factor Y2	4.1
Mass bearing + adapter sleeve	1.45 kg