

# NSK R440-3 cylindrical roller bearings

Can't find what you're looking for NSK R440-3 cylindrical roller bearings ? Our expert Representatives be in contact with you 90x115x13 Size (mm) shortly!

Size (mm)	90x115x13
Bore Diameter (mm)	90
Outer Diameter (mm)	115
Width (mm)	13
d	90 mm
D	115 mm
B	13 mm
C	13 mm
d1	98.2 mm
d2	98.2 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	107.1 mm
D2	– mm
da min.	94.6 mm
Da max.	110.4 mm
db min	94,6 mm
ra max.	1 mm
rb max.	0.3 mm
dh	99,1 mm

Db max	113 mm
Weight	0,25 Kg
Basic dynamic load rating (C)	20,3 kN
Basic static load rating (C0)	25 kN
(Grease) Lubrication Speed	12 000 r/min
(Oil) Lubrication Speed	18 000 r/min
Fatigue load limit (Pu)	1,04
r1,2 min.	1 mm
r3,4 min.	0.3 mm
a	30.5 mm
db min.	94.6 mm
Db max.	113 mm
dn	99.1 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating C0	25 kN
Fatigue load limit Pu	1.04 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter Dw	7.144 mm
Number of balls z	31
Reference grease quantity Gref	2.9 cm <sup>3</sup>
Preload class A GA	184 N
Static axial stiffness, preload class A	215 N/μm
Preload class B GB	555 N
Static axial stiffness, preload class B	340 N/μm
Preload class C GC	1110 N
Static axial stiffness, preload class C	467 N/μm
Calculation factor f	1.33
Calculation factor f1	0.97

Calculation factor f2A	1
Calculation factor f2B	1.09
Calculation factor f2C	1.17
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	0.25 kg