SNR N319EM cylindrical roller bearings

Welcome to the SNR N319EM cylindrical roller bearings online seller. 47x25x12 Size (mm) 47 Bore Diameter (mm)

Size (mm)	47x25x12
Bore Diameter (mm)	47
Outer Diameter (mm)	25
Width (mm)	12
d	25 mm
D	47 mm
B	12 mm
d1	31.6 mm
d2	29.8 mm
D1	39.21 mm
K	0.5 mm
C1	3.72 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	14.4 mm
da – min.	28.2 mm
db – min.	28.2 mm
Da – max.	43.8 mm
Db – max.	44.6 mm
ra – max.	0.6 mm
rb – max.	0.3 mm
dn	33.1 mm
Basic dynamic load rating – C	7.9 kN

Basic static load rating – C0	3.9 kN
Fatigue load limit – Pu	0.166 kN
Limiting speed for grease lubrication	42000 r/min
Limiting speed for oil lubrication	63000 mm/min
Ball – Dw	6.35 mm
Ball – z	14
Gref	1.3 cm3
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	70 N
Preload class B – GB	210 N
Preload class C – GC	430 N
Calculation factor – f	1.05
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1
Preload class A	59 N/micron
Preload class B	89 N/micron
Preload class C	117 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
da min.	28.2 mm
db min.	28.2 mm
Da max.	43.8 mm

Db max.	44.6 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	7.93 kN
Basic static load rating C0	3.9 kN
Fatigue load limit Pu	0.166 kN
Attainable speed for grease lubrication	42000 r/min
Attainable speed for oil-air lubrication	63000 r/min
Ball diameter Dw	6.35 mm
Number of balls z	14
Reference grease quantity Gref	1.3 cm^3
Preload class A GA	70 N
Static axial stiffness, preload class A	59 N/µm
Preload class B GB	210 N
Static axial stiffness, preload class B	89 N/µm
Preload class C GC	430 N
Static axial stiffness, preload class C	117 N/µm
Calculation factor f	1.05
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
Calculation factor fHC	1
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	0.074 kg