

NKE NU307-E-TVP3 cylindrical roller bearings

Various types and sizes 80x55x13 Size (mm) to accommodate your NKE NU307-E-TVP3 cylindrical roller bearings 80 Bore Diameter (mm) 55 Outer Diameter (mm) requirements.

Size (mm)	80x55x13
Bore Diameter (mm)	80
Outer Diameter (mm)	55
Width (mm)	13
d	55 mm
D	80 mm
B	13 mm
d1	62.75 mm
d2	60.7 mm
D1	72.3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.3 mm
a	16.2 mm
da – min.	59.6 mm
db – min.	57 mm
Da – max.	75.4 mm
Db – max.	78 mm
ra – max.	1 mm
rb – max.	0.3 mm
dn	64.6 mm
Basic dynamic load rating – C	15.3 kN
Basic static load rating – C0	10.6 kN

Fatigue load limit – Pu	0.455 kN
Limiting speed for grease lubrication	28000 r/min
Limiting speed for oil lubrication	43000 mm/min
Ball – Dw	7.938 mm
Ball – z	21
Gref	2.3 cm ³
Calculation factor – f ₀	8.4
Preload class A – GA	83 N
Preload class B – GB	250 N
Preload class C – GC	500 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.05
Calculation factor – f _{2C}	1.09
Calculation factor – f _{HC}	1.01
Preload class A	46 N/micron
Preload class B	74 N/micron
Preload class C	102 N/micron
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
d _a min.	59.6 mm
d _b min.	57 mm
D _a max.	75.4 mm
D _b max.	78 mm
r _a max.	1 mm
r _b max.	0.3 mm
Basic dynamic load rating C	15.3 kN
Basic static load rating C ₀	10.6 kN
Fatigue load limit Pu	0.455 kN

Attainable speed for grease lubrication	28000 r/min
Attainable speed for oil-air lubrication	43000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	21
Reference grease quantity G_{ref}	2.3 cm ³
Preload class A G_A	83 N
Static axial stiffness, preload class A	46 N/ μ m
Preload class B G_B	250 N
Static axial stiffness, preload class B	74 N/ μ m
Preload class C G_C	500 N
Static axial stiffness, preload class C	102 N/ μ m
Calculation factor f	1.16
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.05
Calculation factor f_{2C}	1.09
Calculation factor f_{HC}	1.01
Calculation factor f_0	8.4
Mass bearing	0.14 kg