

# NACHI UK307+H2307 deep groove ball bearings

Welcome to the 37x20x9 Size (mm) NACHI UK307+H2307 deep groove ball bearings 37 Bore Diameter (mm) online seller.

Size (mm)	37x20x9
Bore Diameter (mm)	37
Outer Diameter (mm)	20
Width (mm)	9
d	20 mm
D	37 mm
B	9 mm
d1	25.65 mm
d2	24.4 mm
D1	31.49 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	8.5 mm
da – min.	22 mm
db – min.	22 mm
Da – max.	35 mm
Db – max.	36.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	26.7 mm
Basic dynamic load rating – C	4.9 kN
Basic static load rating – C0	2.4 kN
Fatigue load limit – Pu	0.102 kN

Limiting speed for grease lubrication	68000 r/min
Limiting speed for oil lubrication	106000 mm/min
Ball – Dw	4.762 mm
Ball – z	14
Gref	0.5 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	7.8
Preload class A – GA	26 N
Preload class B – GB	79 N
Preload class C – GC	157 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.05
Calculation factor – f <sub>2C</sub>	1.09
Calculation factor – f <sub>HC</sub>	1.01
Preload class A	20 N/micron
Preload class B	31 N/micron
Preload class C	43 N/micron
r <sub>1,2</sub> min.	0.3 mm
r <sub>3,4</sub> min.	0.15 mm
d <sub>a</sub> min.	22 mm
d <sub>b</sub> min.	22 mm
D <sub>a</sub> max.	35 mm
D <sub>b</sub> max.	36.2 mm
r <sub>a</sub> max.	0.3 mm
r <sub>b</sub> max.	0.15 mm
Basic dynamic load rating C	4.88 kN
Basic static load rating C <sub>0</sub>	2.4 kN
Fatigue load limit P <sub>u</sub>	0.102 kN
Attainable speed for grease lubrication	68000 r/min

Attainable speed for oil-air lubrication	106000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls $z$	14
Reference grease quantity $G_{ref}$	0.5 cm <sup>3</sup>
Preload class A $G_A$	26 N
Static axial stiffness, preload class A	20 N/ $\mu$ m
Preload class B $G_B$	79 N
Static axial stiffness, preload class B	31 N/ $\mu$ m
Preload class C $G_C$	157 N
Static axial stiffness, preload class C	43 N/ $\mu$ m
Calculation factor $f$	1.04
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 $f_0$	7.8
Mass bearing	0.032 kg