

# NACHI H-LM104949/H-JLM104910 tapered roller bearings

How do you find the NACHI H-LM104949/H-JLM104910 tapered roller bearings specification? Manufacturers Online 125x90x18 Size (mm) Free check  125 Bore Diameter (mm)

Size (mm)	125x90x18
Bore Diameter (mm)	125
Outer Diameter (mm)	90
Width (mm)	18
d	90 mm
D	125 mm
B	18 mm
d1	101 mm
d2	97.9 mm
D1	114.22 mm
K	0.5 mm
C1	5.48 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	35.9 mm
da – min.	96 mm
db – min.	93.2 mm
Da – max.	119 mm
Db – max.	121.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	103.5 mm

Basic dynamic load rating – C	28.6 kN
Basic static load rating – C0	23.2 kN
Fatigue load limit – Pu	0.915 kN
Limiting speed for grease lubrication	13000 r/min
Limiting speed for oil lubrication	20000 mm/min
Ball – Dw	11.112 mm
Ball – z	24
Gref	7 cm <sup>3</sup>
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	260 N
Preload class B – GB	780 N
Preload class C – GC	1560 N
Calculation factor – f	1.19
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.07
Calculation factor – fHC	1
Preload class A	164 N/micron
Preload class B	247 N/micron
Preload class C	324 N/micron
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
da min.	96 mm
db min.	93.2 mm

Da max.	119 mm
Db max.	121.8 mm
ra max.	1 mm
rb max.	0.6 mm
Basic dynamic load rating C	28.6 kN
Basic static load rating C0	23.2 kN
Fatigue load limit Pu	0.915 kN
Attainable speed for grease lubrication	13000 r/min
Attainable speed for oil-air lubrication	20000 r/min
Ball diameter Dw	11.112 mm
Number of balls z	24
Reference grease quantity Gref	7 cm <sup>3</sup>
Preload class A GA	260 N
Static axial stiffness, preload class A	164 N/μm
Preload class B GB	780 N
Static axial stiffness, preload class B	247 N/μm
Preload class C GC	1560 N
Static axial stiffness, preload class C	324 N/μm
Calculation factor f	1.19
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.07
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	0.54 kg