

NKE K 81230-MB thrust roller bearings

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d	75 mm
D	115 mm
B	20 mm
d1	89.28 mm
d2	86.8 mm
D1	100.72 mm
b	1.8 mm
C1	10.9 mm
C2	3.4 mm
C3	3.4 mm
r1,2 min.	1.1 mm
r3,4 min.	0.6 mm
a	32.3 mm
da min.	81 mm
db min.	81 mm
Da max.	109 mm
Db max.	110.8 mm
ra max.	1 mm
rb max.	0.6 mm
dn	91.5 mm
Basic dynamic load rating C	24.7 kN
Basic static load rating C0	20.4 kN
Fatigue load limit Pu	0.865 kN

Attainable speed for grease lubrication	14500 r/min
Attainable speed for oil-air lubrication	23000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	26
Reference grease quantity G_{ref}	8.6 cm ³
Preload class A G_A	220 N
Static axial stiffness, preload class A	161 N/ μ m
Preload class B G_B	670 N
Static axial stiffness, preload class B	243 N/ μ m
Preload class C G_C	1340 N
Static axial stiffness, preload class C	318 N/ μ m
Calculation factor f	1.1
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.65 kg