

Toyana NJ2248 E cylindrical roller bearings

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d	45 mm
D	68 mm
B	12 mm
d1	52.7 mm
d2	51 mm
D1	60.3 mm
K	0.5 mm
C1	3.75 mm
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
a	14 mm
da min.	48.2 mm
db min.	47 mm
Da max.	64.8 mm
Db max.	66 mm
ra max.	0.6 mm
rb max.	0.3 mm
dn	54.2 mm
Basic dynamic load rating C	10.1 kN
Basic static load rating C0	6.95 kN
Fatigue load limit Pu	0.29 kN

Attainable speed for grease lubrication	34000 r/min
Attainable speed for oil-air lubrication	52000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	21
Reference grease quantity G_{ref}	1.5 cm ³
Preload class A G_A	55 N
Static axial stiffness, preload class A	37 N/ μ m
Preload class B G_B	166 N
Static axial stiffness, preload class B	59 N/ μ m
Preload class C G_C	331 N
Static axial stiffness, preload class C	81 N/ μ m
Calculation factor f	1.09
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	0.12 kg