

# 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 <sup>3</sup>
Preload class A $G_A$	55 N
Static axial stiffness, preload class A	37 N/ $\mu$ m
Preload class B $G_B$	166 N
Static axial stiffness, preload class B	59 N/ $\mu$ m
Preload class C $G_C$	331 N
Static axial stiffness, preload class C	81 N/ $\mu$ 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