

Toyana 33021 A tapered roller bearings

Toyana 33021 A tapered roller bearings Engineering Calculator , Manufacturing Service . 12 mm B Get 45 mm d Your Free.

d	45 mm
D	68 mm
B	12 mm
d1	53.45 mm
d2	52.4 mm
D2	61.8 mm
b	2 mm
C1	5.9 mm
C2	2.8 mm
C3	1.7 mm
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
a	16.1 mm
da min.	48.2 mm
db min.	48.2 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	9.95 kN
Basic static load rating C0	9.65 kN
Fatigue load limit Pu	0.245 kN

Attainable speed for grease lubrication	28000 r/min
Attainable speed for oil-air lubrication	43000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	27
Reference grease quantity G_{ref}	1.75 cm ³
Preload class A G_A	24 N
Static axial stiffness, preload class A	28 N/ μ m
Preload class B G_B	48 N
Static axial stiffness, preload class B	37 N/ μ m
Preload class C G_C	145 N
Static axial stiffness, preload class C	60 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
Calculation factor f_0	9.7
Mass bearing	0.13 kg