

Toyana 239/850 CW33 spherical roller bearings

Toyana 239/850 CW33 spherical roller bearings Engineering Calculator , Manufacturing Service . Get 68x40x15 Size (mm) Your Free.

Size (mm)	68x40x15
Bore Diameter (mm)	68
Outer Diameter (mm)	40
Width (mm)	15
d	40 mm
D	68 mm
B	15 mm
d1	50.95 mm
d2	49.87 mm
D2	58.88 mm
b	1.5 mm
C1	7.8 mm
C2	3.6 mm
C3	2.6 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	14.8 mm
da – min.	44.6 mm
db – min.	44.6 mm
Da – max.	63.4 mm
Db – max.	64.8 mm
ra – max.	1 mm

rb – max.	0.6 mm
dn	51.6 mm
Basic dynamic load rating – C	7.4 kN
Basic static load rating – C0	5.6 kN
Fatigue load limit – Pu	0.236 kN
Limiting speed for grease lubrication	28000 r/min
Limiting speed for oil lubrication	43000 mm/min
Ball – Dw	4.762 mm
Ball – z	26
Gref	2.22 cm ³
Calculation factor – f0	9.8
Preload class A – GA	24 N
Preload class B – GB	48 N
Preload class C – GC	145 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – fHC	1
Preload class A	28 N/micron
Preload class B	36 N/micron
Preload class C	57 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	44.6 mm
db min.	44.6 mm
Da max.	63.4 mm
Db max.	64.8 mm
ra max.	1 mm

rb max.	0.6 mm
Basic dynamic load rating C	9.95 kN
Basic static load rating C0	9.3 kN
Fatigue load limit Pu	0.236 kN
Attainable speed for grease lubrication	28000 r/min
Attainable speed for oil-air lubrication	43000 r/min
Ball diameter Dw	4.762 mm
Number of balls z	26
Reference grease quantity Gref	2.22 cm ³
Preload class A GA	24 N
Static axial stiffness, preload class A	28 N/μm
Preload class B GB	48 N
Static axial stiffness, preload class B	36 N/μm
Preload class C GC	145 N
Static axial stiffness, preload class C	57 N/μm
Calculation factor f	1.04
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor fHC	1
Calculation factor fθ	9.8
Mass bearing	0.21 kg