

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 |