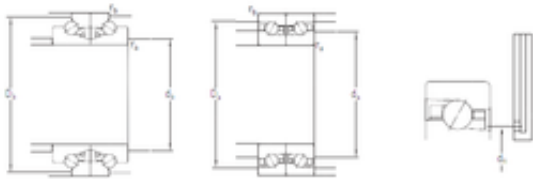
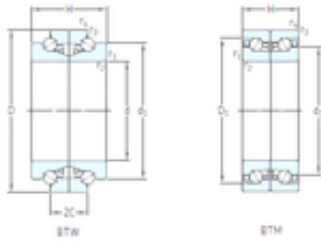




AMERICAN NTN BEARING LTD



BTM 100 BTN9/HCP4CDB Bearing 2D drawings and 3D CAD models

100 mm x 150 mm x 22,5 mm SKF BTM 100
BTN9/HCP4CDB angular contact ball bearings

Bearing No. BTM 100 BTN9/HCP4CDB

| | |
|----------------------------------|-----------------|
| Size | 100x150x22.5 mm |
| Bore Diameter | 100 mm |
| Outer Diameter | 150 mm |
| Width | 22,5 mm |
| d | 100 mm |
| D | 150 mm |
| B | 22,5 mm |
| C | 22,5 mm |
| d1 | 123 mm |
| r1 min. | 1,5 mm |
| r2 min. | 1,5 mm |
| r3 min. | 1 mm |
| r4 min. | 1 mm |
| D1 | 130,6 mm |
| H | 45 mm |
| da min. | 107 mm |
| Da max. | 145 mm |
| ra max. | 1,5 mm |
| rb max. | 1 mm |
| dh | 120 mm |
| Weight | 2,5 Kg |
| Basic dynamic load rating (C) | 48 kN |
| Basic static load rating (C0) | 116 kN |
| (Grease) Lubrication Speed | 6 900 r/min |
| (Oil) Lubrication Speed | 8 200 r/min |



AMERICAN NTN BEARING LTD

| | |
|--|--------------------|
| d_1 | 123 mm |
| D_1 | 137.1 mm |
| $r_{1,2}$ min. | 1.5 mm |
| $r_{3,4}$ min. | 1 mm |
| d_a min. | 107 mm |
| D_a max. | 145 mm |
| r_a max. | 1.5 mm |
| r_b max. | 1 mm |
| d_n | 119.7 mm |
| Basic dynamic load rating C | 48 kN |
| Basic static load rating C_0 | 116 kN |
| Fatigue load limit P_u | 4.3 kN |
| Attainable speed for grease lubrication | 6900 r/min |
| Attainable speed for oil-air lubrication | 8200 r/min |
| Preload class A | 550 N |
| Preload class B | 1650 N |
| Static axial stiffness for preload A | 593 N/ μ m |
| Static axial stiffness for preload B | 898 N/ μ m |
| Reference grease quantity G_{ref} | 22 cm ³ |
| Mass bearing | 2.5 kg |