

# SIGMA 7320-B angular contact ball bearings

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|                               |           |
|-------------------------------|-----------|
| Size (mm)                     | 140x65x48 |
| Bore Diameter (mm)            | 140       |
| Outer Diameter (mm)           | 65        |
| Width (mm)                    | 48        |
| d                             | 65 mm     |
| D                             | 140 mm    |
| B                             | 48 mm     |
| d1                            | 89.9 mm   |
| D1                            | 116 mm    |
| F                             | 80.7 mm   |
| s                             | 3 mm      |
| r <sub>1,2</sub> – min.       | 2.1 mm    |
| da – min.                     | 77 mm     |
| das                           | 85.3 mm   |
| db – max.                     | 78 mm     |
| Da – max.                     | 128 mm    |
| ra – max.                     | 2 mm      |
| Basic dynamic load rating – C | 303 kN    |
| Basic static load rating – C0 | 360 kN    |
| Fatigue load limit – Pu       | 46.5 kN   |

|                                |            |
|--------------------------------|------------|
| Reference speed                | 1900 r/min |
| Limiting speed                 | 2400 r/min |
| Calculation factor – $k_r$     | 0.35       |
| Calculation factor – $e$       | 0.3        |
| Calculation factor – $Y$       | 0.4        |
| $d_1 \approx$                  | 89.9 mm    |
| $D_1 \approx$                  | 116 mm     |
| $s$ max.                       | 3 mm       |
| $r_{1,2}$ min.                 | 2.1 mm     |
| $d_a$ min.                     | 77 mm      |
| $d_b$ max.                     | 78 mm      |
| $D_a$ max.                     | 128 mm     |
| $r_a$ max.                     | 2 mm       |
| Basic dynamic load rating $C$  | 303 kN     |
| Basic static load rating $C_0$ | 360 kN     |
| Fatigue load limit $P_u$       | 46.5 kN    |
| Calculation factor $k_r$       | 0.35       |
| Calculation factor $e$         | 0.3        |
| Calculation factor $Y$         | 0.4        |
| Mass bearing                   | 3.56 kg    |