

# 316198 SKF 620x500x45mm Axial load factor Y 0 Thrust ball bearings

|                                  |            |
|----------------------------------|------------|
| Bearing number                   | 316198     |
| Size (mm)                        | 620x500x45 |
| Brand                            | SKF        |
| Bore Diameter (mm)               | 620        |
| Outer Diameter (mm)              | 500        |
| Width (mm)                       | 45         |
| d                                | 500 mm     |
| D                                | 620 mm     |
| B                                | 45 mm      |
| $d_1$                            | 545 mm     |
| E                                | 584 mm     |
| $r_{1,2} - \text{min.}$          | 2.1 mm     |
| s                                | 5.2 mm     |
| $d_a - \text{min.}$              | 512 mm     |
| $d_a - \text{max.}$              | 579 mm     |
| $D_a - \text{min.}$              | 585 mm     |
| $D_a - \text{max.}$              | 608 mm     |
| $r_a - \text{max.}$              | 2 mm       |
| Basic dynamic load rating – C    | 396 kN     |
| Basic static load rating – $C_0$ | 830 kN     |
| Fatigue load limit – $P_u$       | 45.5 kN    |
| Reference speed                  | 1000 r/min |
| Limiting speed                   | 1000 r/min |

|                                |         |
|--------------------------------|---------|
| Calculation factor – $k_r$     | 0.03    |
| $d_1 \approx$                  | 545 mm  |
| $r_{1,2}$ min.                 | 2.1 mm  |
| s max.                         | 5.2 mm  |
| $d_a$ min.                     | 512 mm  |
| $d_a$ max.                     | 579 mm  |
| $D_a$ min.                     | 585 mm  |
| $D_a$ max.                     | 608 mm  |
| $r_a$ max.                     | 2 mm    |
| Basic dynamic load rating C    | 396 kN  |
| Basic static load rating $C_0$ | 830 kN  |
| Fatigue load limit $P_u$       | 45.5 kN |
| Calculation factor $k_r$       | 0.03    |
| Limiting value e               | 0.2     |
| Axial load factor Y            | 0       |
| Mass bearing                   | 29 kg   |