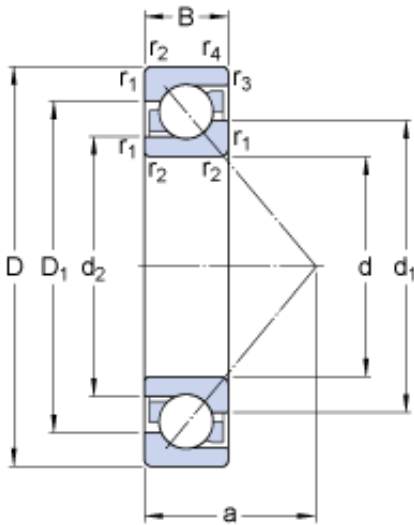




KRS Guide Wheel Bearing Co., Ltd



20 mm x 47 mm x 14 mm SKF 7204 BEGBP
angular contact ball bearings

Bearing No. 7204 BEGBP

7204 BEGBP Bearing 2D drawings and 3D CAD models

| | |
|---|-------------|
| Size | 47x20x14 mm |
| Bore Diameter | 47 mm |
| Outer Diameter | 20 mm |
| Width | 14 mm |
| d | 20 mm |
| D | 47 mm |
| B | 14 mm |
| d ₁ | 30.8 mm |
| d ₂ | 25.87 mm |
| D ₁ | 37 mm |
| a | 21 mm |
| r _{1,2} - min. | 1 mm |
| r _{3,4} - min. | 0.6 mm |
| d _a - min. | 25.6 mm |
| D _a - max. | 41.4 mm |
| D _b - max. | 42.8 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.6 mm |
| Basic dynamic load rating - C | 14.3 kN |
| Basic static load rating - C ₀ | 8.2 kN |
| Fatigue load limit - P _u | 0.345 kN |
| Reference speed | 19000 r/min |
| Limiting speed | 19000 r/min |
| Calculation factor - k _r | 0.095 |



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| | |
|---------------------------------|-------------------------------|
| Calculation factor - k_a | 1.4 |
| Calculation factor - e | 1.14 |
| Calculation factor - X | 0.57 |
| Calculation factor - Y_0 | 0.52 |
| Calculation factor - Y_1 | 0.55 |
| Calculation factor - Y_2 | 0.93 |
| Calculation factor - X | 0.35 |
| Calculation factor - Y_0 | 0.26 |
| Calculation factor - Y_1 | |
| Calculation factor - Y_2 | 0.57 |
| Category | Angular Contact Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.108 |
| EAN | 7316571847177 |
| Product Group | B00308 |
| Enclosure | Open |
| Flush Ground | Yes |
| Rolling Element | Ball Bearing |
| Number of Rows of Balls | Single Row |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Snap Ring | No |
| Cage Material | Polyamide |
| Contact Angle | 40 Degree |
| Internal Clearance | C0-Medium |
| Number of Bearings | 1 (Single) |
| Preload | Medium |
| Mounting Arrangement | Universal |



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| Inch - Metric | Metric |
|--------------------------------|--|
| Long Description | 20MM Bore; 47MM Outside Diameter; 14MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Single |
| Category | Angular Contact Ball Bearing |
| UNSPSC | 31171531 |
| Harmonized Tariff Code | 8482.10.50.28 |
| Noun | Bearing |
| Keyword String | Angular Contact |
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 7204 BEGBP |
| Weight / LBS | 0.2314 |
| Bore | 0.787 Inch 20 Millimeter |
| Outside Diameter | 1.85 Inch 47 Millimeter |
| Width | 0.551 Inch 14 Millimeter |
| d_1 | 30.8 mm |
| d_2 | 25.87 mm |
| D_1 | 37 mm |
| $r_{1,2}$ min. | 1 mm |
| $r_{3,4}$ min. | 0.6 mm |
| d_a min. | 25.6 mm |
| D_a max. | 41.4 mm |
| D_b max. | 42.8 mm |
| r_a max. | 1 mm |
| r_b max. | 0.6 mm |
| Basic dynamic load rating C | 14.3 kN |
| Basic static load rating C_0 | 8.15 kN |
| Fatigue load limit P_u | 0.345 kN |



KRS Guide Wheel Bearing Co., Ltd

| | |
|--------------------------|---------|
| Calculation factor A | 0.00113 |
| Calculation factor k_r | 0.095 |
| Calculation factor e | 1.14 |
| Calculation factor X | 0.35 |
| Calculation factor Y_0 | 0.26 |
| Calculation factor Y_2 | 0.57 |
| Calculation factor X | 0.57 |
| Calculation factor Y_0 | 0.52 |
| Calculation factor Y_1 | 0.55 |
| Calculation factor Y_2 | 0.93 |
| Mass bearing | 0.11 kg |