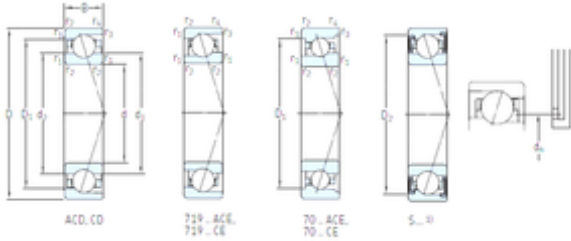


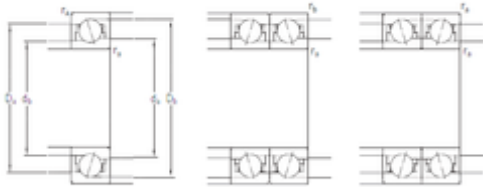


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120 mm x 180 mm x 28 mm SKF S7024 CE/P4A angular contact ball bearings

Bearing No. S7024 CE/P4A



S7024 CE/P4A Bearing 2D drawings and 3D CAD models

| | |
|-------------------------------|---------------|
| Size | 120x180x28 mm |
| Bore Diameter | 120 mm |
| Outer Diameter | 180 mm |
| Width | 28 mm |
| d | 120 mm |
| D | 180 mm |
| B | 28 mm |
| C | 28 mm |
| d1 | 141,4 mm |
| d2 | 137,8 mm |
| r1 min. | 2 mm |
| r2 min. | 2 mm |
| r3 min. | 1 mm |
| r4 min. | 1 mm |
| D1 | 163,2 mm |
| D2 | 163,2 mm |
| da min. | 128,8 mm |
| Da max. | 171,2 mm |
| db min | 128,8 mm |
| ra max. | 2 mm |
| rb max. | 1 mm |
| dh | 144,9 mm |
| Db max | 174,4 mm |
| Weight | 2,15 Kg |
| Basic dynamic load rating (C) | 57,2 kN |



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| | |
|--|--------------|
| Basic static load rating (C ₀) | 55 kN |
| (Grease) Lubrication Speed | 9 300 r/min |
| (Oil) Lubrication Speed | 14 500 r/min |
| Fatigue load limit (P _u) | 1,9 |
| d ₁ | 141.42 mm |
| d ₂ | 137.8 mm |
| D ₂ | 163.2 mm |
| r _{1,2} min. | 2 mm |
| r _{3,4} min. | 1 mm |
| a | 34.3 mm |
| d _a min. | 128.8 mm |
| d _a max. | 140.6 mm |
| d _b min. | 128.8 mm |
| d _b max. | 137 mm |
| D _a max. | 171.2 mm |
| D _b max. | 174.4 mm |
| r _a max. | 2 mm |
| r _b max. | 1 mm |
| Basic dynamic load rating C | 57.2 kN |
| Basic static load rating C ₀ | 55 kN |
| Fatigue load limit P _u | 1.9 kN |
| Attainable speed for grease lubrication | 9300 r/min |
| Ball diameter D _w | 14.288 mm |
| Number of balls z | 29 |
| Preload class A G _A | 310 N |
| Static axial stiffness, preload class A | 104 N/ μ m |
| Preload class B G _B | 930 N |
| Static axial stiffness, preload class B | 164 N/ μ m |
| Preload class C G _C | 1850 N |
| Static axial stiffness, preload | 225 N/ μ m |



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| | |
|-----------------------------|---------|
| class C | |
| Calculation factor f | 1.12 |
| Calculation factor f_1 | 1 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.03 |
| Calculation factor f_{2C} | 1.05 |
| Calculation factor f_{HC} | 1 |
| Calculation factor f_0 | 9.6 |
| Mass bearing | 2.25 kg |