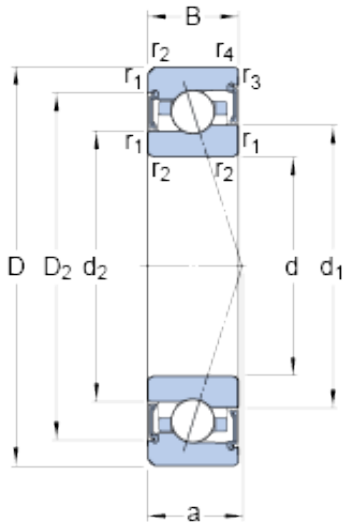




Guangzhou Wangli Auto Parts Co., Ltd.



S7004 CE/P4A Bearing 2D drawings and 3D CAD models

20 mm x 42 mm x 12 mm SKF S7004 CE/P4A
angular contact ball bearings

Bearing No. S7004 CE/P4A

Size	42x20x12 mm
Bore Diameter	42 mm
Outer Diameter	20 mm
Width	12 mm
d	20 mm
D	42 mm
B	12 mm
d ₁	26.6 mm
d ₂	24.8 mm
D ₂	36.5 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	10.2 mm
d _a - min.	22 mm
d _a - max.	26.2 mm
d _b - min.	22 mm
d _b - max.	24.4 mm
D _a - max.	40 mm
D _b - max.	39.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	7.4 kN
Basic static load rating - C ₀	3.4 kN
Fatigue load limit - P _u	0.143 kN



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Limiting speed for grease lubrication	54000 r/min
Ball - D_w	6.35 mm
Ball - z	12
Calculation factor - f_0	7.2
Preload class A - G_A	40 N
Preload class B - G_B	120 N
Preload class C - G_C	235 N
Calculation factor - f	1.04
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	21 N/micron
Preload class B	32 N/micron
Preload class C	44 N/micron
d_1	26.6 mm
d_2	24.8 mm
D_2	36.5 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	22 mm
d_a max.	26.2 mm
d_b min.	22 mm
d_b max.	24.4 mm
D_a max.	40 mm
D_b max.	39.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	7.41 kN



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Basic static load rating C_0	3.35 kN
Fatigue load limit P_u	0.143 kN
Attainable speed for grease lubrication	54000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	12
Preload class A G_A	40 N
Static axial stiffness, preload class A	21 N/ μ m
Preload class B G_B	120 N
Static axial stiffness, preload class B	32 N/ μ m
Preload class C G_C	235 N
Static axial stiffness, preload class C	44 N/ μ m
Calculation factor f	1.04
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	7.2
Mass bearing	0.067 kg