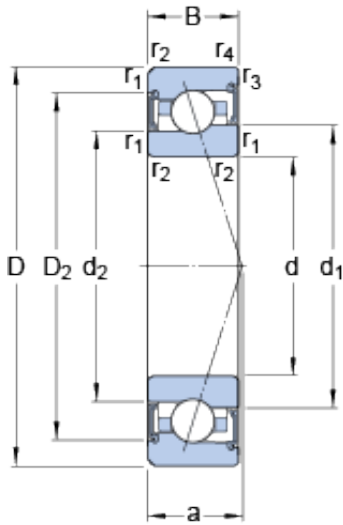




Bearing Rolamentos do Brasil Ltda.



S7000 CE/HCP4A Bearing 2D drawings and 3D CAD models

10 mm x 26 mm x 8 mm SKF S7000 CE/HCP4A
angular contact ball bearings

Bearing No. S7000 CE/HCP4A

Size	26x10x8 mm
Bore Diameter	26 mm
Outer Diameter	10 mm
Width	8 mm
d	10 mm
D	26 mm
B	8 mm
d ₁	15.6 mm
d ₂	14.5 mm
D ₂	22.35 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.3 mm
a	6.5 mm
d _a - min.	12 mm
d _a - max.	15.2 mm
d _b - min.	12 mm
d _b - max.	14.1 mm
D _a - max.	24 mm
D _b - max.	23.6 mm
r _a - max.	0.3 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	3 kN
Basic static load rating - C ₀	1.2 kN
Fatigue load limit - P _u	0.05 kN



Bearing Rolamentos do Brasil Ltda.

Limiting speed for grease lubrication	109000 r/min
Ball - D_w	3.969 mm
Ball - z	11
Calculation factor - f_0	7.1
Preload class A - G_A	15 N
Preload class B - G_B	48 N
Preload class C - G_C	95 N
Calculation factor - f	1.03
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}	1.01
Preload class A	13 N/micron
Preload class B	21 N/micron
Preload class C	29 N/micron
d_1	15.6 mm
d_2	14.5 mm
D_2	22.35 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	12 mm
d_a max.	15.2 mm
d_b min.	12 mm
d_b max.	14.1 mm
D_a max.	24 mm
D_b max.	23.6 mm
r_a max.	0.3 mm
r_b max.	0.3 mm
Basic dynamic load rating C	3.02 kN



Bearing Rolamentos do Brasil Ltda.

Basic static load rating C_0	1.18 kN
Fatigue load limit P_u	0.05 kN
Attainable speed for grease lubrication	109000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	11
Preload class A G_A	15 N
Static axial stiffness, preload class A	13 N/ μ m
Preload class B G_B	48 N
Static axial stiffness, preload class B	21 N/ μ m
Preload class C G_C	95 N
Static axial stiffness, preload class C	29 N/ μ m
Calculation factor f	1.03
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}	1.01
Calculation factor f_0	7.1
Mass bearing	0.017 kg