



7000 CE/P4A Bearing 2D drawings and 3D CAD models

SKF 7000 CE/P4A angular contact ball bearings

Bearing No. 7000 CE/P4A

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 ₁	20.45 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 _b - min.	12 mm
D _a - max.	24 mm
D _b - max.	23.6 mm
r _a - max.	0.3 mm
r _b - max.	0.3 mm
d _n	16.5 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
Limiting speed for grease lubrication	90000 r/min



Limiting speed for oil lubrication	140000 mm/min
Ball - D_w	3.969 mm
Ball - z	11
G_{ref}	0.28 cm ³
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
Preload class A	12 N/micron
Preload class B	19 N/micron
Preload class C	26 N/micron
d_1	15.6 mm
d_2	14.5 mm
D_1	20.45 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	12 mm
d_b min.	12 mm
D_a max.	24 mm
D_b max.	23.6 mm
r_a max.	0.3 mm
r_b max.	0.3 mm
d_n	16.5 mm
Basic dynamic load rating C	3.02 kN



SNR BEARINGS PRODUCTION EXPORT CO., LTD

Basic static load rating C_0	1.18 kN
Fatigue load limit P_u	0.05 kN
Attainable speed for grease lubrication	90000 r/min
Attainable speed for oil-air lubrication	140000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	11
Reference grease quantity G_{ref}	0.28 cm ³
Preload class A G_A	15 N
Static axial stiffness, preload class A	12 N/ μ m
Preload class B G_B	48 N
Static axial stiffness, preload class B	19 N/ μ m
Preload class C G_C	95 N
Static axial stiffness, preload class C	26 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
Calculation factor f_0	7.1
Mass bearing	0.019 kg