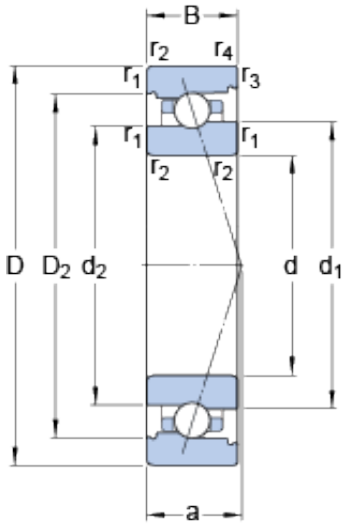

71922 CB/P4A Bearing 2D drawings and 3D CAD models

110 mm x 150 mm x 20 mm SKF 71922 CB/P4A Duplex angular contact ball bearings

Bearing No. 71922 CB/P4A

Size	150x110x20 mm
Bore Diameter	150 mm
Outer Diameter	110 mm
Width	20 mm
d	110 mm
D	150 mm
B	20 mm
d_1	124.42 mm
d_2	122.5 mm
D_2	139 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
a	33 mm
d_a - min.	116 mm
d_b - min.	116 mm
D_a - max.	144 mm
D_b - max.	146.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
d_n	125.7 mm
Basic dynamic load rating - C	26 kN
Basic static load rating - C_0	27 kN
Fatigue load limit - P_u	1 kN
Limiting speed for grease	11000 r/min

lubrication	
Limiting speed for oil lubrication	17000 mm/min
Ball - D_w	8.731 mm
Ball - z	37
G_{ref}	11.43 cm3
Calculation factor - f_0	10
Preload class A - G_A	86 N
Preload class B - G_B	170 N
Preload class C - G_C	515 N
Calculation factor - f	1.14
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.07
Calculation factor - f_{HC}	1
Preload class A	66 N/micron
Preload class B	87 N/micron
Preload class C	140 N/micron
d_1	124.42 mm
d_2	122.5 mm
D_2	139 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	116 mm
d_b min.	116 mm
D_a max.	144 mm
D_b max.	146.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	125.7 mm

Basic dynamic load rating C	34.5 kN
Basic static load rating C_0	44 kN
Fatigue load limit P_u	1 kN
Attainable speed for grease lubrication	11000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Ball diameter D_w	8.731 mm
Number of balls z	37
Reference grease quantity G_{ref}	11.43 cm^3
Preload class A G_A	86 N
Static axial stiffness, preload class A	66 N/µm
Preload class B G_B	170 N
Static axial stiffness, preload class B	87 N/µm
Preload class C G_C	515 N
Static axial stiffness, preload class C	140 N/µm
Calculation factor f	1.14
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
Calculation factor f_0	10
Mass bearing	0.9 kg