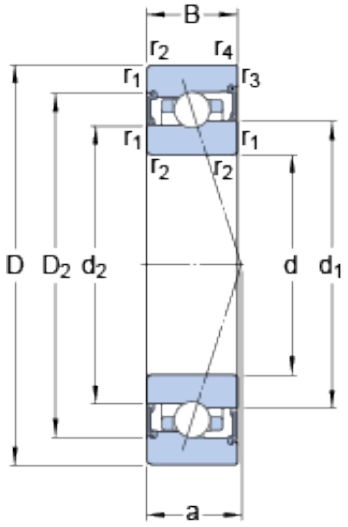
Loyal | S7015 CB/P4A



Bearing No. S7015 CB/P4A

D	115 mm
d	75 mm
B	20 mm
a	22.3 mm
Ball - z	30
Size (mm)	115x75x20
Width (mm)	20
Mass bearing	0.7 kg
D_2	102.8 mm
d_2	88.2 mm
d_1	90 mm
d_2	88.2 mm
D_2	102.8 mm
d_1	90 mm
Bearing number	S7015 CB/P4A
Preload class B	65 N/micron
Preload class A	50 N/micron
Preload class C	104 N/micron
Number of balls z	30
Bore Diameter (mm)	115
d_a min.	81 mm
d_a max.	89.2 mm
d_b min.	81 mm
d_b max.	87.4 mm
D_a max.	109 mm
D_b max.	111.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Outer Diameter (mm)	75
$r_{3,4}$ min.	0.6 mm

d_b - min.	81 mm
Calculation factor f	1.08
d_a - max.	89.2 mm
$r_{1,2}$ min.	1.1 mm
D_a - max.	109 mm
d_b - max.	87.4 mm
D_b - max.	111.8 mm
r_a - max.	1 mm
d_a - min.	81 mm
Ball - D_w	7.938 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.08
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	26.5 kN
Ball diameter D_w	7.938 mm
Basic dynamic load rating - C	19.9 kN
Preload class A G_A	50 N
Preload class B G_B	130 N
Preload class C G_C	390 N
Preload class A - G_A	50 N
Preload class B - G_B	130 N
Preload class C - G_C	390 N
Fatigue load limit P_u	0.75 kN
Calculation factor f_1	1
Calculation factor f_0	9.7
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1

Calculation factor - f	1
Calculation factor - f_0	9.7
Fatigue load limit - P_u	0.75 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	16000 r/min
Basic static load rating C_0	29 kN
Static axial stiffness, preload class B	65 N/µm
Static axial stiffness, preload class C	104 N/µm
Static axial stiffness, preload class A	50 N/µm
Attainable speed for grease lubrication	16000 r/min
Basic static load rating - C_0	17.6 kN