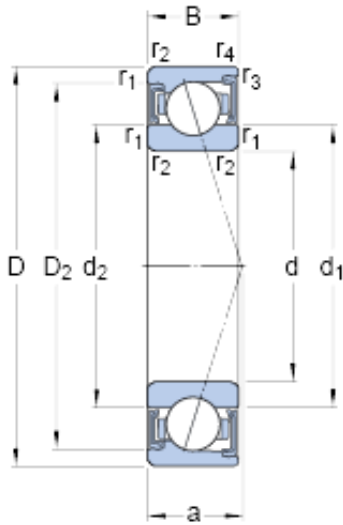




BEARING-MALAYSIA SDN.BHD.



75 mm x 115 mm x 20 mm SKF S7015 ACD/HCP4A angular contact ball bearings

Bearing No. S7015 ACD/HCP4A

S7015 ACD/HCP4A Bearing 2D drawings and 3D CAD models

Size	115x75x20 mm
Bore Diameter	115 mm
Outer Diameter	75 mm
Width	20 mm
d	75 mm
D	115 mm
B	20 mm
d ₁	87.3 mm
d ₂	87.3 mm
D ₂	105.62 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	32.3 mm
d _a - min.	81 mm
d _a - max.	86.7 mm
d _b - min.	81 mm
d _b - max.	86.7 mm
D _a - max.	109 mm
D _b - max.	111 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	49.4 kN
Basic static load rating - C ₀	46.5 kN
Fatigue load limit - P _u	2 kN



BEARING-MALAYSIA SDN.BHD.

Limiting speed for grease lubrication	13000 r/min
Ball - D_w	12.7 mm
Ball - z	20
Calculation factor - e	0.68
Calculation factor - Y_2	0.87
Calculation factor - Y_0	0.38
Calculation factor - X_2	0.41
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Calculation factor - Y_0	0.76
Calculation factor - X_2	0.67
Preload class A - G_A	310 N
Preload class B - G_B	620 N
Preload class C - G_C	1240 N
Preload class D - G_D	2480 N
Calculation factor - f	1.14
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.08
Calculation factor - f_{HC}	1.02
Preload class A	222 N/micron
Preload class B	290 N/micron
Preload class C	386 N/micron
Preload class D	522 N/micron
d_1	87.3 mm
d_2	87.3 mm
D_2	105.62 mm



BEARING-MALAYSIA SDN.BHD.

$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	81 mm
d_a max.	86.7 mm
d_b min.	81 mm
d_b max.	86.7 mm
D_a max.	109 mm
D_b max.	111 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	49.4 kN
Basic static load rating C_0	46.5 kN
Fatigue load limit P_u	1.96 kN
Attainable speed for grease lubrication	13000 r/min
Ball diameter D_w	12.7 mm
Number of balls z	20
Preload class A G_A	310 N
Static axial stiffness, preload class A	222 N/ μ m
Preload class B G_B	620 N
Static axial stiffness, preload class B	290 N/ μ m
Preload class C G_C	1240 N
Static axial stiffness, preload class C	386 N/ μ m
Preload class D G_D	2480 N
Static axial stiffness, preload class D	522 N/ μ m
Calculation factor f	1.14
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05



BEARING-MALAYSIA SDN.BHD.

Calculation factor f_{2D}	1.08
Calculation factor f_{HC}	1.02
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.54 kg