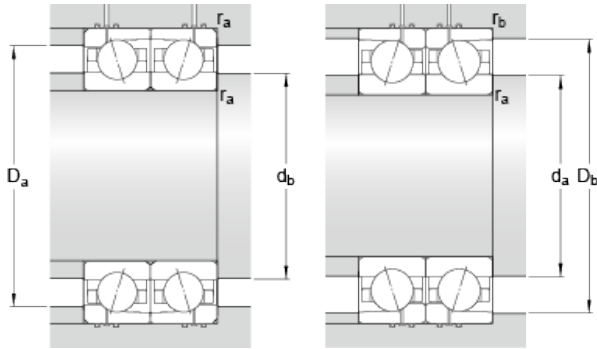




NTL BEARINGS LTD.



7015 CD/HCP4AH1 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7015 CD/HCP4AH1

7015 CD/HCP4AH1 Bearing 2D drawings and 3D CAD models

d	75 mm
D	115 mm
B	20 mm
d ₁	87.3 mm
d ₂	87.3 mm
D ₁	102.7 mm
K	0.5 mm
C ₁	5.4 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	22.8 mm
d _a min.	81 mm
d _b min.	81 mm
D _a max.	109 mm
D _b max.	111 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	90 mm
Basic dynamic load rating C	52.7 kN
Basic static load rating C ₀	49 kN
Fatigue load limit P _u	2.08 kN
Attainable speed for grease lubrication	14000 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter D _w	12.7 mm



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Number of balls z	20
Reference grease quantity G_{ref}	8.4 cm ³
Preload class A G_A	200 N
Static axial stiffness, preload class A	93 N/ μ m
Preload class B G_B	400 N
Static axial stiffness, preload class B	128 N/ μ m
Preload class C G_C	800 N
Static axial stiffness, preload class C	179 N/ μ m
Preload class D G_D	1600 N
Static axial stiffness, preload class D	260 N/ μ m
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}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02
Calculation factor f_0	15.7
Mass bearing	0.53 kg