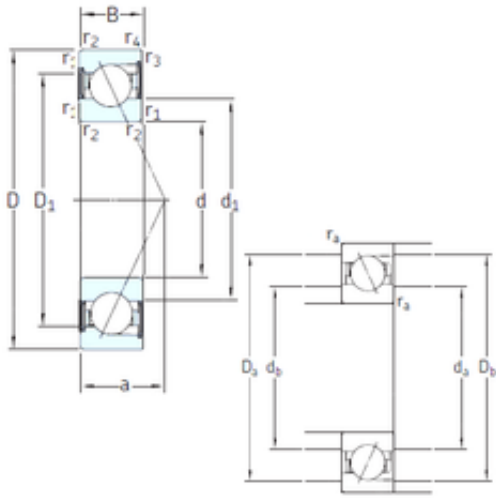




KOYO MANUFACTURING (THAILAND)CO.,LTD.



25 mm x 52 mm x 15 mm SKF S7205 CD/P4A
angular contact ball bearings

Bearing No. S7205 CD/P4A

S7205 CD/P4A Bearing 2D drawings and 3D CAD models

Size	25x52x15 mm
Bore Diameter	25 mm
Outer Diameter	52 mm
Width	15 mm
d	25 mm
D	52 mm
B	15 mm
C	15 mm
a	13 mm
d1	34,1 mm
d2	34,1 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	43,7 mm
D2	45,9 mm
da min.	30,6 mm
Da max.	46,4 mm
db min	30,6 mm
ra max.	1 mm
rb max.	0,3 mm
dh	36,1 mm
Db max	49,6 mm
Weight	0,13 Kg



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Basic dynamic load rating (C)	13,5 kN
Basic static load rating (C ₀)	7,2 kN
(Grease) Lubrication Speed	30 000 r/min
(Oil) Lubrication Speed	45 000 r/min
Fatigue load limit (P _u)	0,305
d ₁	34.1 mm
d ₂	34.1 mm
D ₂	45.9 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
d _a min.	30.6 mm
d _a max.	33.5 mm
d _b min.	30.6 mm
d _b max.	33.5 mm
D _a max.	46.4 mm
D _b max.	49.6 mm
r _a max.	1 mm
r _b max.	0.3 mm
Basic dynamic load rating C	13.5 kN
Basic static load rating C ₀	7.2 kN
Fatigue load limit P _u	0.305 kN
Attainable speed for grease lubrication	30000 r/min
Ball diameter D _w	7.938 mm
Number of balls z	13
Preload class A G _A	50 N
Static axial stiffness, preload class A	29 N/ μ m
Preload class B G _B	100 N
Static axial stiffness, preload class B	38 N/ μ m
Preload class C G _C	200 N



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Static axial stiffness, preload class C	52 N/ μ m
Preload class D G_D	400 N
Static axial stiffness, preload class D	72 N/ μ m
Calculation factor f	1.03
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	9.1
Mass bearing	0.13 kg