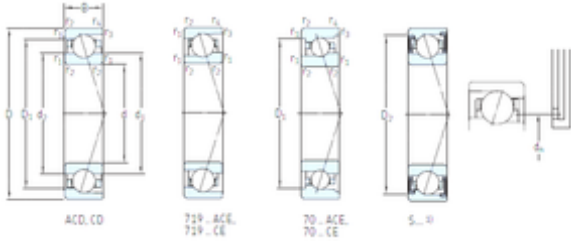


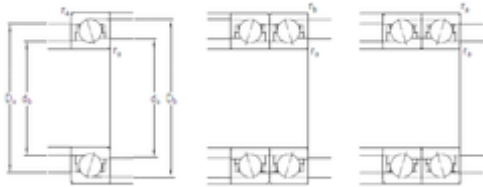


SKF BEARING rolling stock(Europe) G.m...



60 mm x 85 mm x 13 mm SKF S71912
ACD/HCP4A angular contact ball bearings

Bearing No. S71912 ACD/HCP4A



S71912 ACD/HCP4A Bearing 2D drawings and 3D CAD models

Size	60x85x13 mm
Bore Diameter	60 mm
Outer Diameter	85 mm
Width	13 mm
d	60 mm
D	85 mm
B	13 mm
C	13 mm
d1	67,7 mm
d2	67,7 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	77,3 mm
D2	79,6 mm
da min.	64,6 mm
Da max.	80,4 mm
db min	64,6 mm
ra max.	1 mm
rb max.	0,3 mm
dh	69,7 mm
Db max	83 mm
Weight	0,16 Kg
Basic dynamic load rating (C)	18,6 kN



SKF BEARING rolling stock(Europe) G.m...

Basic static load rating (C0)	14,6 kN
(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	26 000 r/min
Fatigue load limit (Pu)	0,62
d ₁	67.7 mm
d ₂	67.7 mm
D ₂	79.56 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
a	23.5 mm
d _a min.	64.6 mm
d _a max.	67.1 mm
d _b min.	64.6 mm
d _b max.	67.1 mm
D _a max.	80.4 mm
D _b max.	83 mm
r _a max.	1 mm
r _b max.	0.3 mm
Basic dynamic load rating C	18.6 kN
Basic static load rating C ₀	14.6 kN
Fatigue load limit P _u	0.62 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D _w	7.938 mm
Number of balls z	24
Preload class A G _A	120 N
Static axial stiffness, preload class A	142 N/ μ m
Preload class B G _B	240 N
Static axial stiffness, preload class B	184 N/ μ m
Preload class C G _C	480 N
Static axial stiffness, preload	242 N/ μ m



SKF BEARING rolling stock(Europe) G.m...

class C	
Preload class D G_D	960 N
Static axial stiffness, preload class D	324 N/ μ m
Calculation factor f	1.17
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.17
Calculation factor f_{HC}	1.04
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	0.17 kg