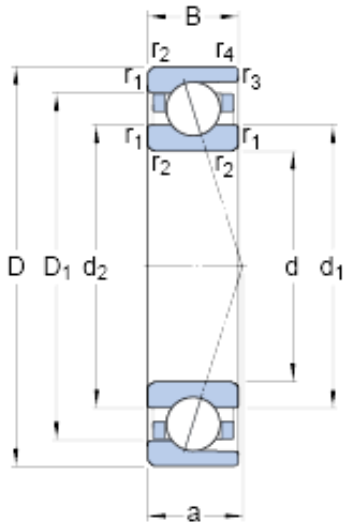




Timken BEARINGS INDUSTRY



7200 CD/P4A Bearing 2D drawings and 3D CAD models

10 mm x 30 mm x 9 mm SKF 7200 CD/P4A angular contact ball bearings

Bearing No. 7200 CD/P4A

Size	30x10x9 mm
Bore Diameter	30 mm
Outer Diameter	10 mm
Width	9 mm
d	10 mm
D	30 mm
B	9 mm
d ₁	17.3 mm
d ₂	17.3 mm
D ₁	23.1 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	7.3 mm
d _a - min.	14.2 mm
d _b - min.	14.2 mm
D _a - max.	25.8 mm
D _b - max.	27.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	18.3 mm
Basic dynamic load rating - C	4.5 kN
Basic static load rating - C ₀	1.9 kN
Fatigue load limit - P _u	0.08 kN
Limiting speed for grease	60000 r/min



Timken BEARINGS INDUSTRY

Lubrication	
Limiting speed for oil lubrication	90000 mm/min
Ball - D_w	4.762 mm
Ball - z	10
G_{ref}	0.357 cm ³
Calculation factor - f_0	8.8
Preload class A - G_A	17 N
Preload class B - G_B	34 N
Preload class C - G_C	68 N
Preload class D - G_D	136 N
Calculation factor - f	1.02
Calculation factor - f	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
Preload class A	14 N/micron
Preload class B	19 N/micron
Preload class C	26 N/micron
Preload class D	37 N/micron
Category	Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
UNSPSC	31171531
Weight / Kilogram	0.03
EAN	7316570811131
Product Group	B00308



Timken BEARINGS INDUSTRY

d_1	17.3 mm
d_2	17.3 mm
D_1	23.1 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	14.2 mm
d_b min.	14.2 mm
D_a max.	25.8 mm
D_b max.	27.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	18.3 mm
Basic dynamic load rating C	4.49 kN
Basic static load rating C_0	1.93 kN
Fatigue load limit P_u	0.08 kN
Attainable speed for grease lubrication	60000 r/min
Attainable speed for oil-air lubrication	90000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	10
Reference grease quantity G_{ref}	0.357 cm ³
Preload class A G_A	17 N
Static axial stiffness, preload class A	14 N/ μ m
Preload class B G_B	34 N
Static axial stiffness, preload class B	19 N/ μ m
Preload class C G_C	68 N
Static axial stiffness, preload class C	26 N/ μ m
Preload class D G_D	136 N
Static axial stiffness, preload class D	37 N/ μ m



Timken BEARINGS INDUSTRY

class D	
Calculation factor f	1.02
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	8.8
Mass bearing	0.032 kg