



Bearing No. 7200 CD/P4A

a	7.3 mm
d	10 mm
D	30 mm
B	9 mm
UNSPSC	31171531
Ball - z	10
Category	Bearings
Size (mm)	30x10x9
Inventory	0.0
Width (mm)	9
Mass bearing	0.032 kg
d ₂	17.3 mm
d ₁	17.3 mm
d _n	18.3 mm
Product Group	B00308
d ₂	17.3 mm
d ₁	17.3 mm
D ₁	23.1 mm
d _n	18.3 mm
D ₁	23.1 mm
Bearing number	7200 CD/P4A
Preload class D	37 N/micron
G _{ref}	0.357 cm ³
Preload class B	19 N/micron
Preload class A	14 N/micron
Preload class C	26 N/micron
Number of balls z	10
Manufacturer Name	SKF
Weight / Kilogram	0.03

r_b max.	0.3 mm
r_a max.	0.6 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
Bore Diameter (mm)	30
Outer Diameter (mm)	10
D_b - max.	27.6 mm
$r_{3,4}$ min.	0.3 mm
d_b - min.	14.2 mm
Minimum Buy Quantity	N/A
D_a - max.	25.8 mm
Calculation factor f	1.02
d_a - min.	14.2 mm
$r_{1,2}$ min.	0.6 mm
r_a - max.	0.6 mm
r_b - max.	0.3 mm
Ball - D_w	4.762 mm
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	0.6 mm
Calculation factor - f	1.02
Ball diameter D_w	4.762 mm
Basic dynamic load rating C	4.49 kN
Preload class D G_D	136 N
Preload class C G_C	68 N
Preload class B G_B	34 N
Preload class A G_A	17 N
Basic dynamic load rating - C	4.5 kN
Preload class B - G_B	34 N

Preload class C - G_C	68 N
Preload class D - G_D	136 N
Preload class A - G_A	17 N
Calculation factor f_1	1
Calculation factor f_0	8.8
Fatigue load limit P_u	0.08 kN
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	1
Calculation factor f_{HC}	1
Limiting speed for oil lubrication	90000 mm/min
Calculation factor - f_0	8.8
Fatigue load limit - P_u	0.08 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.05
Limiting speed for grease lubrication	60000 r/min
Basic static load rating C_0	1.93 kN
Static axial stiffness, preload class A	14 N/ μ m
Static axial stiffness, preload class D	37 N/ μ m
Static axial stiffness, preload class C	26 N/ μ m
Static axial stiffness,	19 N/ μ m

preload class B	
Attainable speed for grease lubrication	60000 r/min
Attainable speed for oil-air lubrication	90000 r/min
Basic static load rating - C_0	1.9 kN
Reference grease quantity G_{ref}	0.357 cm ³