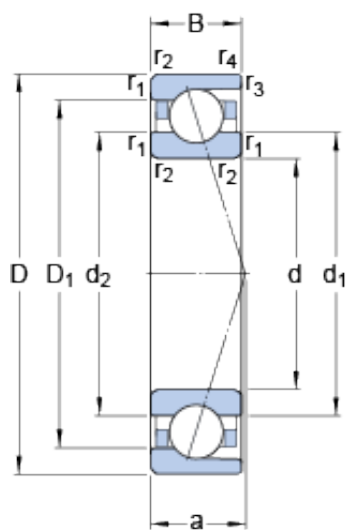




Bearing No. 7228 CD/HCP4A

D	250 mm
d	140 mm
B	42 mm
a	47.3 mm
Ball - z	18
Size (mm)	250x140x42
Width (mm)	42
Mass bearing	6.92 kg
d _n	184.8 mm
d _n	184.8 mm
D ₁	213.2 mm
d ₁	176.8 mm
d ₂	176.8 mm
D ₁	213.2 mm
d ₂	176.8 mm
d ₁	176.8 mm
Bearing number	7228 CD/HCP4A
Preload class A	181 N/micron
G _{ref}	83.931 cm3
Preload class C	339 N/micron
Preload class D	485 N/micron
Preload class B	245 N/micron
Number of balls z	18
r _b max.	1.5 mm
r _a max.	2.5 mm
D _b max.	241 mm
D _a max.	236 mm
d _a min.	154 mm
Bore Diameter (mm)	250

d_b min.	154 mm
Outer Diameter (mm)	140
d_a - min.	154 mm
r_a - max.	2.5 mm
$r_{1,2}$ min.	3 mm
Calculation factor f	1.09
D_b - max.	241 mm
$r_{3,4}$ min.	1.5 mm
D_a - max.	236 mm
Ball - D_w	30.162 mm
r_b - max.	1.5 mm
d_b - min.	154 mm
$r_{3,4}$ - min.	1.5 mm
$r_{1,2}$ - min.	3 mm
Calculation factor - f	1.09
Basic dynamic load rating C	221 kN
Ball diameter D_w	30.162 mm
Preload class C G_C	3400 N
Preload class D G_D	6800 N
Preload class B G_B	1700 N
Preload class A G_A	850 N
Basic dynamic load rating - C	221 kN
Preload class D - G_D	6800 N
Preload class C - G_C	3400 N
Preload class B - G_B	1700 N
Preload class A - G_A	850 N
Calculation factor f_1	1
Calculation factor f_0	15.2
Fatigue load limit P_u	7.35 kN
Calculation factor f_{HC}	1.01

Calculation factor f_{2D}	1.06
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Calculation factor - f	1
Fatigue load limit - P_u	7.4 kN
Limiting speed for oil lubrication	10000 mm/min
Calculation factor - f_0	15.2
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2D}	1.06
Limiting speed for grease lubrication	7000 r/min
Basic static load rating C_0	240 kN
Static axial stiffness, preload class D	485 N/ μ m
Static axial stiffness, preload class B	245 N/ μ m
Static axial stiffness, preload class A	181 N/ μ m
Attainable speed for grease lubrication	7000 r/min
Static axial stiffness, preload class C	339 N/ μ m
Basic static load rating - C_0	240 kN
Attainable speed for oil-air lubrication	10000 r/min
Reference grease quantity G_{ref}	83.931 cm ³

