



Bearing No. 7228 ACD/P4A

D	250 mm
d	140 mm
B	42 mm
a	66.7 mm
Ball - z	18
Size (mm)	250x140x42
Width (mm)	42
Mass bearing	8.14 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 ACD/P4A
Preload class B	516 N/micron
Preload class A	397 N/micron
Preload class D	911 N/micron
Preload class C	679 N/micron
G _{ref}	83.931 cm3
Number of balls z	18
Bore Diameter (mm)	250
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

d_b min.	154 mm
Outer Diameter (mm)	140
D_b - max.	241 mm
d_b - min.	154 mm
Ball - D_w	30.162 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.5 mm
d_a - min.	154 mm
r_a - max.	2.5 mm
D_a - max.	236 mm
r_b - max.	1.5 mm
Calculation factor f	1.09
Calculation factor e	0.68
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	1.5 mm
Calculation factor - e	0.68
Calculation factor - f	1.09
Ball diameter D_w	30.162 mm
Basic dynamic load rating C	212 kN
Preload class C G_C	5400 N
Preload class B G_B	2700 N
Preload class A G_A	1350 N
Preload class D G_D	10800 N
Basic dynamic load rating - C	212 kN
Preload class B - G_B	2700 N
Preload class D - G_D	10800 N
Preload class C - G_C	5400 N
Preload class A - G_A	1350 N
Fatigue load limit P_u	6.95 kN
Calculation factor f_1	0.99

Calculation factor f_{2A}	1
Calculation factor f_{2C}	1.02
Calculation factor f_{2B}	1.01
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor - X_2	0.67
Calculation factor - f_1	0.99
Calculation factor - Y_1	0.92
Limiting speed for oil lubrication	7500 mm/min
Calculation factor - Y_0	0.76
Fatigue load limit - P_u	7 kN
Calculation factor - Y_2	1.41
Calculation factor - f_{HC}	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.02
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2D}	1.05
Limiting speed for grease lubrication	5000 r/min
Basic static load rating C_0	228 kN
Static axial stiffness, preload class B	516 N/μm
Attainable speed for grease lubrication	5000 r/min
Static axial stiffness, preload class D	911 N/μm
Static axial stiffness, preload class C	679 N/μm
Static axial stiffness, preload class A	397 N/μm
Basic static load rating -	228 kN

C_0	
Attainable speed for oil-air lubrication	7500 r/min
Reference grease quantity G_{ref}	83.931 cm ³
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