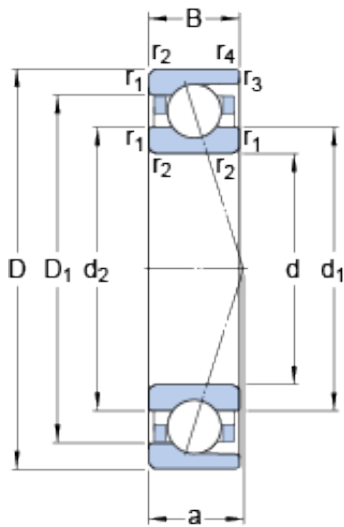




Bearing No. 7216 ACD/HCP4A

D	140 mm
d	80 mm
B	26 mm
a	38.8 mm
Ball - z	17
Size (mm)	140x80x26
Width (mm)	26
Mass bearing	1.24 kg
d_n	103.4 mm
d_n	103.4 mm
D_1	120.5 mm
d_1	99.5 mm
d_2	99.5 mm
D_1	120.5 mm
d_2	99.5 mm
d_1	99.5 mm
Bearing number	7216 ACD/HCP4A
Preload class B	337 N/micron
Preload class A	286 N/micron
Preload class D	600 N/micron
Preload class C	445 N/micron
G_{ref}	18.084 cm ³
Number of balls z	17
Bore Diameter (mm)	140
r_b max.	1 mm
r_a max.	2 mm
D_b max.	134.4 mm
D_a max.	129 mm
d_a min.	91 mm

d_b min.	91 mm
Outer Diameter (mm)	80
D_b - max.	134.4 mm
d_b - min.	91 mm
Ball - D_w	17.462 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a - min.	91 mm
r_a - max.	2 mm
D_a - max.	129 mm
r_b - max.	1 mm
Calculation factor f	1.09
Calculation factor e	0.68
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - e	0.68
Calculation factor - f	1.09
Ball diameter D_w	17.462 mm
Basic dynamic load rating C	81.9 kN
Preload class C G_C	2080 N
Preload class B G_B	1040 N
Preload class A G_A	520 N
Preload class D G_D	4160 N
Basic dynamic load rating - C	81.9 kN
Preload class B - G_B	1040 N
Preload class D - G_D	4160 N
Preload class C - G_C	2080 N
Preload class A - G_A	520 N
Fatigue load limit P_u	2.9 kN
Calculation factor f_1	0.99

Calculation factor f_{2A}	1
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2D}	1.06
Calculation factor f_{HC}	1.01
Calculation factor - X_2	0.67
Calculation factor - f_1	0.99
Calculation factor - Y_1	0.92
Limiting speed for oil lubrication	17000 mm/min
Calculation factor - Y_0	0.76
Fatigue load limit - P_u	2.9 kN
Calculation factor - Y_2	1.41
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2D}	1.06
Limiting speed for grease lubrication	10000 r/min
Basic static load rating C_0	72 kN
Static axial stiffness, preload class B	337 N/μm
Attainable speed for grease lubrication	10000 r/min
Static axial stiffness, preload class D	600 N/μm
Static axial stiffness, preload class C	445 N/μm
Static axial stiffness, preload class A	286 N/μm
Basic static load rating -	72 kN

C_0	
Attainable speed for oil-air lubrication	17000 r/min
Reference grease quantity G_{ref}	18.084 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