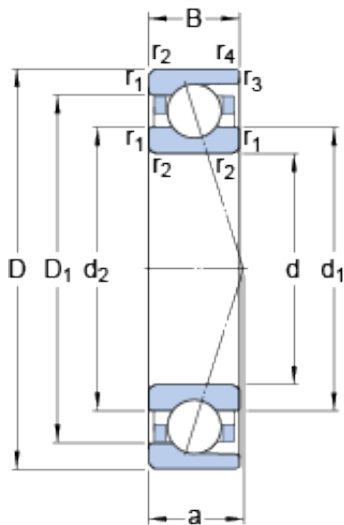




Bearing No. 7216 CD/HCP4A

D	140 mm
d	80 mm
B	26 mm
a	27.8 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 CD/HCP4A
Preload class A	106 N/micron
G_{ref}	18.084 cm ³
Preload class C	201 N/micron
Preload class D	289 N/micron
Preload class B	144 N/micron
Number of balls z	17
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
Bore Diameter (mm)	140

d_b min.	91 mm
Outer Diameter (mm)	80
d_a - min.	91 mm
r_a - max.	2 mm
$r_{1,2}$ min.	2 mm
Calculation factor f	1.09
D_b - max.	134.4 mm
$r_{3,4}$ min.	1 mm
D_a - max.	129 mm
Ball - D_w	17.462 mm
r_b - max.	1 mm
d_b - min.	91 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.09
Basic dynamic load rating C	85.2 kN
Ball diameter D_w	17.462 mm
Preload class C G_C	1280 N
Preload class D G_D	2560 N
Preload class B G_B	640 N
Preload class A G_A	320 N
Basic dynamic load rating - C	85.2 kN
Preload class D - G_D	2560 N
Preload class C - G_C	1280 N
Preload class B - G_B	640 N
Preload class A - G_A	320 N
Calculation factor f_1	1
Calculation factor f_0	15.1
Fatigue load limit P_u	3.05 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	3 kN
Limiting speed for oil lubrication	18000 mm/min
Calculation factor - f_0	15.1
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	12000 r/min
Basic static load rating C_0	75 kN
Static axial stiffness, preload class D	289 N/ μ m
Static axial stiffness, preload class B	144 N/ μ m
Static axial stiffness, preload class A	106 N/ μ m
Attainable speed for grease lubrication	12000 r/min
Static axial stiffness, preload class C	201 N/ μ m
Basic static load rating - C_0	75 kN
Attainable speed for oil-air lubrication	18000 r/min
Reference grease quantity G_{ref}	18.084 cm ³

