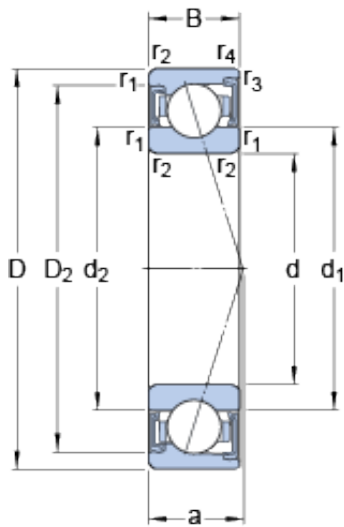




Bearing No. S7018 CD/P4A

D	140 mm
d	90 mm
B	24 mm
a	27.5 mm
Ball - z	20
Size (mm)	140x90x24
Width (mm)	24
Mass bearing	1.17 kg
D ₂	128.25 mm
d ₂	105.4 mm
d ₁	105.4 mm
d ₂	105.4 mm
D ₂	128.25 mm
d ₁	105.4 mm
Bearing number	S7018 CD/P4A
Preload class A	103 N/micron
Preload class B	141 N/micron
Preload class D	287 N/micron
Preload class C	198 N/micron
Number of balls z	20
r _b max.	1 mm
r _a max.	1.5 mm
D _b max.	136 mm
D _a max.	133 mm
d _b max.	104.8 mm
d _a max.	104.8 mm
d _a min.	97 mm
Bore Diameter (mm)	140
d _b min.	97 mm
Outer Diameter (mm)	90

$r_{3,4}$ min.	1 mm
d_b - min.	97 mm
Calculation factor f	1.14
d_a - max.	104.8 mm
$r_{1,2}$ min.	1.5 mm
d_a - min.	97 mm
d_b - max.	104.8 mm
D_a - max.	133 mm
D_b - max.	136 mm
r_a - max.	1.5 mm
r_b - max.	1 mm
Ball - D_w	15.875 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - f	1.14
$r_{1,2}$ - min.	1.5 mm
Ball diameter D_w	15.875 mm
Basic dynamic load rating C	79.3 kN
Preload class A G_A	300 N
Basic dynamic load rating - C	79.3 kN
Preload class C G_C	1200 N
Preload class D G_D	2400 N
Preload class B G_B	600 N
Preload class C - G_C	1200 N
Preload class D - G_D	2400 N
Preload class B - G_B	600 N
Preload class A - G_A	300 N
Calculation factor f_1	1
Fatigue load limit P_u	3 kN
Calculation factor f_0	15.6
Calculation factor f_{2D}	1.09

Calculation factor f_{HC}	1
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Calculation factor - f_0	15.6
Fatigue load limit - P_u	3 kN
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	9000 r/min
Basic static load rating C_0	76.5 kN
Static axial stiffness, preload class A	103 N/ μ m
Static axial stiffness, preload class B	141 N/ μ m
Static axial stiffness, preload class C	198 N/ μ m
Static axial stiffness, preload class D	287 N/ μ m
Attainable speed for grease lubrication	9000 r/min
Basic static load rating - C_0	76.5 kN