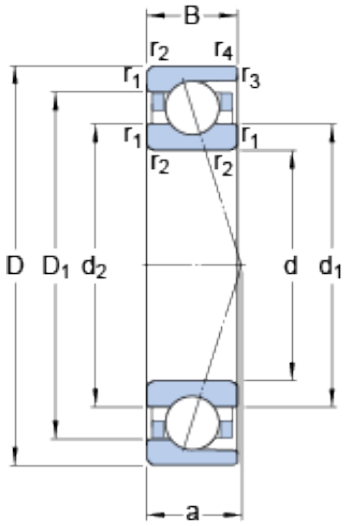

71828 CD/P4 Bearing 2D drawings and 3D CAD models

140 mm x 175 mm x 18 mm SKF 71828 CD/P4 angular contact ball bearings

Bearing No. 71828 CD/P4

Size	175x140x18 mm
Bore Diameter	175 mm
Outer Diameter	140 mm
Width	18 mm
d	140 mm
D	175 mm
B	18 mm
d_1	151.3 mm
d_2	151.3 mm
D_1	163.71 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
a	30.2 mm
d_a - min.	146 mm
d_b - min.	146 mm
D_a - max.	169 mm
D_b - max.	171.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
d_n	153.2 mm
Basic dynamic load rating - C	44.9 kN
Basic static load rating - C_0	62 kN
Fatigue load limit - P_u	2.1 kN
Limiting speed for grease	6300 r/min

lubrication	
Limiting speed for oil lubrication	10000 mm/min
Ball - D_w	10.319 mm
Ball - z	35
G_{ref}	9.9 cm3
Calculation factor - f_0	17.3
Preload class A - G_A	240 N
Preload class B - G_B	720 N
Preload class C - G_C	1440 N
Calculation factor - f	1.43
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.09
Calculation factor - f_{2C}	1.16
Calculation factor - f_{HC}	1
Preload class A	130 N/micron
Preload class B	226 N/micron
Preload class C	336 N/micron
d_1	151.3 mm
d_2	151.3 mm
D_1	163.71 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	146 mm
d_b min.	146 mm
D_a max.	169 mm
D_b max.	171.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	153.2 mm

Basic dynamic load rating C	44.9 kN
Basic static load rating C_0	62 kN
Fatigue load limit P_u	2.12 kN
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	10000 r/min
Ball diameter D_w	10.319 mm
Number of balls z	35
Reference grease quantity G_{ref}	9.9 cm^3
Preload class A G_A	240 N
Static axial stiffness, preload class A	130 N/µm
Preload class B G_B	720 N
Static axial stiffness, preload class B	226 N/µm
Preload class C G_C	1440 N
Static axial stiffness, preload class C	336 N/µm
Calculation factor f	1.43
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.09
Calculation factor f_{2C}	1.16
Calculation factor f_{HC}	1
Calculation factor f_0	17.3
Mass bearing	0.8 kg