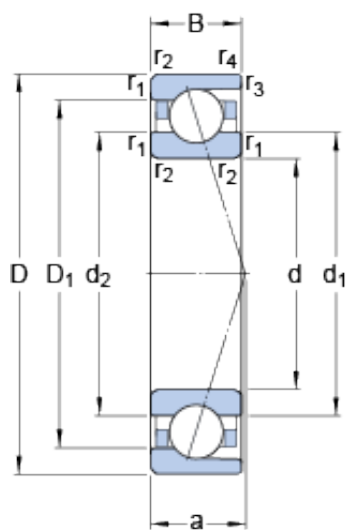




Bearing No. 7017 CD/P4A

a	25.5 mm
d	85 mm
D	130 mm
B	22 mm
Bore	3.346 Inch 85 Millimeter
Noun	Bearing
Width	0.866 Inch 22 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	21
Category	Precision Ball Bearings
Size (mm)	130x85x22
Enclosure	Open
Inventory	0.0
Width (mm)	22
Weight / LBS	2.037
Flush Ground	No
Mass bearing	0.9 kg
d ₁	98.9 mm
d ₂	98.9 mm
D ₁	116.1 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	101.9 mm
Product Group	B04270
Contact Angle	15 Degree
D ₁	116.1 mm
d	101.9 mm

n	
d ₂	98.9 mm
d ₁	98.9 mm
Bearing number	7017 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Preload class B	132 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	11.7 cm3
Preload class C	185 N/micron
Preload class D	268 N/micron
Preload class A	97 N/micron
Outside Diameter	5.118 Inch 130 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	85MM Bore; 130MM Outside Diameter; 22MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Ra
Manufacturer Name	SKF
Number of balls z	21
Weight / Kilogram	0.93
d _a min.	91 mm
d _b min.	91 mm
Bore Diameter (mm)	130
Number of Bearings	1 (Single)

r_b max.	0.6 mm
r_a max.	1 mm
D_a max.	124 mm
D_b max.	126 mm
Outer Diameter (mm)	85
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a - min.	91 mm
Calculation factor f	1.15
d_b - min.	91 mm
Ball - D_w	14.288 mm
D_a - max.	124 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
D_b - max.	126 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.15
$r_{3,4}$ - min.	0.6 mm
Manufacturer Item Number	7017 CD/P4A
Basic dynamic load rating C	67.6 kN
Ball diameter D_w	14.288 mm
Preload class B G_B	500 N
Preload class A G_A	250 N
Preload class C G_C	1000 N
Preload class D G_D	2000 N
Basic dynamic load rating - C	67.6 kN
Preload class B - G_B	500 N
Preload class C - G_C	1000 N

Preload class A - G_A	250 N
Preload class D - G_D	2000 N
Calculation factor f_1	1
Fatigue load limit P_u	2.65 kN
Calculation factor f_0	15.7
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor - f_0	15.7
Fatigue load limit - P_u	2.6 kN
Limiting speed for oil lubrication	16000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	10000 r/min
Basic static load rating C_0	65.5 kN
Static axial stiffness, preload class A	97 N/ μ m
Static axial stiffness, preload class B	132 N/ μ m
Static axial stiffness, preload class C	185 N/ μ m
Static axial stiffness, preload class D	268 N/ μ m

Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	16000 r/min
Basic static load rating - C_0	65.5 kN
Reference grease quantity G_{ref}	11.7 cm ³