



Bearing No. 7015 CE/P4A

D	115 mm
d	75 mm
B	20 mm
a	22.8 mm
Noun	Bearing
Bore	2.953 Inch 75 Millimeter
Width	0.787 Inch 20 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	26
Inventory	0.0
Enclosure	Open
Size (mm)	115x75x20
Width (mm)	20
Flush Ground	No
Mass bearing	0.65 kg
d ₁	89.28 mm
d ₂	86.8 mm
d _n	91.5 mm
Inch - Metric	Metric
D ₁	100.72 mm
Cage Material	Phenolic
Raceway Style	1 Rib Inner Ring and Outer Ring
d ₂	86.8 mm
Contact Angle	15 Degree
d ₁	89.28 mm

D ₁	100.72 mm
d _n	91.5 mm
Product Group	B04270
Other Features	Single Row Angular Contact High Speed E Design
Keyword String	Ball Angular Contact
Bearing number	7015 CE/P4A
Preload class A	65 N/micron
Rolling Element	Ball Bearing
Preload class B	102 N/micron
Preload class C	140 N/micron
G _{ref}	8.6 cm ³
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Long Description	75MM Bore; 115MM Outside Diameter; 20MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring and
Manufacturer URL	http://www.skf.com
Outside Diameter	4.528 Inch 115 Millimeter
Number of balls z	26
Manufacturer Name	SKF
Weight / Kilogram	0
d _a min.	81 mm
Number of Bearings	1 (Single)
D _a max.	109 mm
D _b max.	110.8 mm
r _a max.	1 mm

r_b max.	0.6 mm
Bore Diameter (mm)	115
d_b min.	81 mm
Outer Diameter (mm)	75
D_b - max.	110.8 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_b - min.	81 mm
Calculation factor f	1.1
D_a - max.	109 mm
d_a - min.	81 mm
r_b - max.	0.6 mm
r_a - max.	1 mm
Minimum Buy Quantity	N/A
Ball - D_w	9.525 mm
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	1.1 mm
Calculation factor - f	1.1
$r_{3,4}$ - min.	0.6 mm
Basic dynamic load rating C	26 kN
Ball diameter D_w	9.525 mm
Preload class C G_C	840 N
Preload class A G_A	140 N
Preload class B G_B	420 N
Basic dynamic load rating - C	26 kN
Preload class A - G_A	140 N
Preload class B - G_B	420 N
Preload class C - G_C	840 N
Fatigue load limit P_u	0.915 kN
Calculation factor f_0	9.5

Calculation factor f_1	1
Calculation factor - f	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Fatigue load limit - P_u	0.915 kN
Calculation factor - f_0	9.5
Limiting speed for oil lubrication	26000 mm/min
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{HC}	1
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	16000 r/min
Basic static load rating C_0	21.6 kN
Static axial stiffness, preload class B	102 N/ μ m
Static axial stiffness, preload class A	65 N/ μ m
Static axial stiffness, preload class C	140 N/ μ m
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Basic static load rating - C_0	21.6 kN
Reference grease quantity G_{ref}	8.6 cm ³