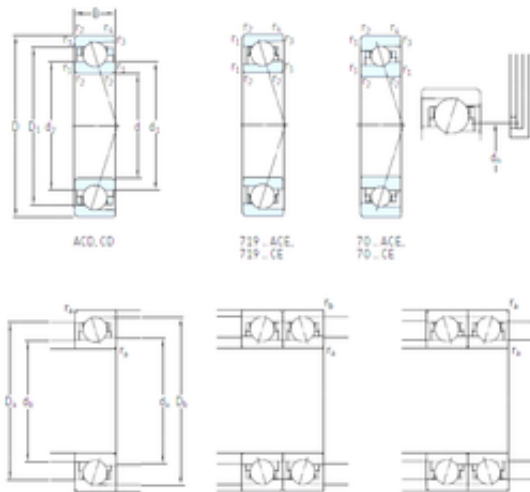




Bearing No. 7036 CD/P4A

C	46 mm
a	54 mm
d	180 mm
D	280 mm
B	46 mm
dh	219,7 mm
D2	– mm
d2	211,8 mm
D1	248,2 mm
d1	211,8 mm
Bore	7.087 Inch 180 Millimeter
Noun	Bearing
Width	1.811 Inch 46 Millimeter
db min	191 mm
UNSPSC	31171531
Weight	9,1 Kg
Db max	274 mm
rb max.	1 mm
ra max.	2 mm
Da max.	269 mm
da min.	191 mm
Preload	None
r4 min.	1,1 mm
r3 min.	1,1 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
Category	Precision Ball Bearings
Size (mm)	180x280x46
Inventory	0.0

Enclosure	Open
Width (mm)	46
Mass bearing	9.11 kg
Flush Ground	No
Weight / LBS	21.694
d ₁	211.8 mm
Product Group	B04270
d ₂	211.8 mm
D ₁	248.2 mm
Contact Angle	15 Degree
d _n	219.7 mm
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Inch - Metric	Metric
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Bearing number	7036 CD/P4A
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Manufacturer URL	http://www.skf.com
Outside Diameter	11.024 Inch 280 Millimeter
Long Description	180MM Bore; 280MM Outside Diameter; 46MM 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 R
Manufacturer Name	SKF
Number of balls z	21

Weight / Kilogram	9.85
Bore Diameter (mm)	180
d_a min.	191 mm
Number of Bearings	1 (Single)
r_b max.	1 mm
r_a max.	2 mm
D_b max.	274 mm
D_a max.	269 mm
d_b min.	191 mm
Outer Diameter (mm)	280
Calculation factor f	1.13
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	1.1 mm
$r_{1,2}$ min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
Fatigue load limit (Pu)	8,15
(Oil) Lubrication Speed	7 500 r/min
Manufacturer Item Number	7036 CD/P4A
(Grease) Lubrication Speed	5 000 r/min
Basic dynamic load rating C	242 kN
Ball diameter D_w	30.162 mm
Preload class C G_C	3600 N
Basic static load rating (C0)	290 kN
Preload class D G_D	7200 N
Preload class A G_A	900 N
Basic dynamic load rating (C)	242 kN
Preload class B G_B	1800 N
Calculation factor f_0	15.7
Calculation factor f_1	1

Fatigue load limit P_u	8.15 kN
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
Basic static load rating C_0	290 kN
Static axial stiffness, preload class B	251 N/ μ m
Static axial stiffness, preload class C	349 N/ μ m
Static axial stiffness, preload class D	501 N/ μ m
Attainable speed for grease lubrication	5000 r/min
Static axial stiffness, preload class A	186 N/ μ m
Attainable speed for oil-air lubrication	7500 r/min
Reference grease quantity G_{ref}	111 cm ³