



Bearing No. BTW 50 CTN9/SP

H	38 mm
d	50 mm
D	80 mm
B	19 mm
C	9,5 mm
D1	66,9 mm
2C	19 mm
dh	– mm
d1	67,5 mm
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
Width	1.496 Inch 38 Millimeter
UNSPSC	31171531
Weight	0,58 Kg
Da min	74,9 mm
r2 min.	1 mm
r3 min.	0,3 mm
Preload	None
rb max.	0,3 mm
ra max.	1 mm
Da max.	76 mm
da min.	61 mm
r1 min.	1 mm
r4 min.	0,3 mm
Category	Precision Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	50x80x19
Width (mm)	19

Flush Ground	No
Mass bearing	0.58 kg
Weight / LBS	1.347
Product Group	B00308
Inch - Metric	Metric
Cage Material	Polyamide
Contact Angle	60 Degree
d ₁	67.5 mm
Raceway Style	Not Applicable
Other Features	Double Row Angular Contact Thrust Bearing Super Precision Double Direction Ball Centered
Keyword String	Angular Contact Ball
Bearing number	BTW 50 CTN9/SP
Rolling Element	Ball Bearing
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Outside Diameter	3.15 Inch 80 Millimeter
Long Description	50MM Bore; 80MM Outside Diameter; 38MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearings; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing
Manufacturer URL	http://www.skf.com
Weight / Kilogram	0.578
Manufacturer Name	SKF
r _b max.	0.3 mm
r _a max.	1 mm
D _a max.	76 mm

D_a min.	74.9 mm
d_a min.	61 mm
Bore Diameter (mm)	50
Number of Bearings	1 (Single)
Outer Diameter (mm)	80
$r_{3,4}$ min.	0.3 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1 mm
Harmonized Tariff Code	8482.10.50.28
Static axial stiffness	559 N/ μ m
(Oil) Lubrication Speed	11 000 r/min
Manufacturer Item Number	BTW 50 CTN9/SP
(Grease) Lubrication Speed	9 000 r/min
Basic dynamic load rating C	22.5 kN
Basic static load rating (C0)	60 kN
Basic dynamic load rating (C)	22,5 kN
Fatigue load limit P_u	2.85 kN
Basic static load rating C_0	60 kN
Attainable speed for grease lubrication	9000 r/min
Attainable speed for oil-air lubrication	11000 r/min
Reference grease quantity G_{ref}	3.3 cm ³