



Bearing No. BTW 80 CTN9/SP

H	54 mm
d	80 mm
D	125 mm
B	27 mm
C	13,5 mm
d1	106,2 mm
dh	- mm
2C	27 mm
D1	105 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	2.126 Inch 54 Millimeter
Da min	117,3 mm
Weight	1,95 Kg
UNSPSC	31171531
ra max.	1 mm
rb max.	0,6 mm
Preload	None
Da max.	119 mm
r4 min.	0,6 mm
r3 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
da min.	97 mm
Category	Precision Ball Bearings
Size (mm)	80x125x27
Enclosure	Open
Inventory	0.0
Keyword 3	Thrust

Width (mm)	27
Flush Ground	No
Weight / LBS	4.29901
Mass bearing	1.95 kg
d ₁	106.2 mm
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Contact Angle	60 Degree
Product Group	B00308
Bearing number	BTW 80 CTN9/SP
Other Features	Double Row Angular Contact Thrust Bearing Double Direction
Keyword String	Ball Angular Contact Thrust
Precision Class	ABEC 5 ISO P5
Rolling Element	Ball Bearing
Material - Ball	Steel
Manufacturer URL	http://www.skf.com
Long Description	80MM Bore; 125MM Outside Diameter; 54MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing
Outside Diameter	4.921 Inch 125 Millimeter
Weight / Kilogram	2.22
Manufacturer Name	SKF
d _a min.	97 mm
r _a max.	1 mm

D_a min.	117.3 mm
D_a max.	119 mm
r_b max.	0.6 mm
Bore Diameter (mm)	80
Number of Bearings	1 (Single)
Outer Diameter (mm)	125
$r_{3,4}$ min.	0.6 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Static axial stiffness	735 N/ μ m
(Oil) Lubrication Speed	6 700 r/min
Manufacturer Item Number	BTW 80 CTN9/SP
(Grease) Lubrication Speed	5 600 r/min
Basic dynamic load rating C	47.5 kN
Basic static load rating (C ₀)	140 kN
Basic dynamic load rating (C)	47,5 kN
Fatigue load limit P_u	6.55 kN
Basic static load rating C ₀	140 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	6700 r/min
Reference grease quantity G_{ref}	10.6 cm ³