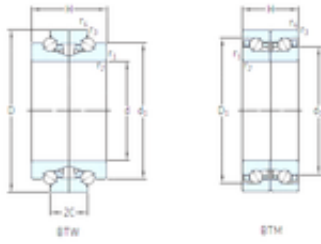




# UGE BEARING INDUSTRIAL CO., LTD.



80 mm x 125 mm x 27 mm SKF BTW 80  
CTN9/SP Light pressure contact seals Precision  
Bearings

Bearing No. BTW 80 CTN9/SP



BTW 80 CTN9/SP Bearing 2D drawings and 3D CAD models

Size	80x125x27 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	27 mm
d	80 mm
D	125 mm
B	27 mm
C	13,5 mm
d1	106,2 mm
r1 min.	1,1 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	105 mm
H	54 mm
da min.	97 mm
Da min	117,3 mm
Da max.	119 mm
ra max.	1 mm
rb max.	0,6 mm
dh	– mm
Weight	1,95 Kg
Basic dynamic load rating (C)	47,5 kN
Basic static load rating (C0)	140 kN



## UGE BEARING INDUSTRIAL CO., LTD.

(Grease) Lubrication Speed	5 600 r/min
(Oil) Lubrication Speed	6 700 r/min
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.22
EAN	7316574675326
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 5   ISO P5
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	60 Degree
Preload	None
Raceway Style	Not Applicable
Cage Material	Polyamide
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Double Row   Angular Contact Thrust Bearing   Double Direction
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
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing



## UGE BEARING INDUSTRIAL CO., LTD.

Keyword 3	Thrust
Keyword String	Ball Angular Contact Thrust
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	BTW 80 CTN9/SP
Weight / LBS	4.29901
Outside Diameter	4.921 Inch   125 Millimeter
Bore	3.15 Inch   80 Millimeter
Width	2.126 Inch   54 Millimeter
$d_1$	106.2 mm
2C	27 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	97 mm
$D_a$ min.	117.3 mm
$D_a$ max.	119 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	47.5 kN
Basic static load rating $C_0$	140 kN
Fatigue load limit $P_u$	6.55 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	6700 r/min
Static axial stiffness	735 N/ $\mu$ m
Reference grease quantity $G_{ref}$	10.6 cm <sup>3</sup>
Mass bearing	1.95 kg