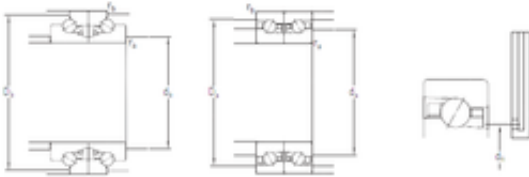


100 mm x 150 mm x 30 mm skf BTW 100 CTN9/SP Angular contact thrust ball bearings, double direction, super-precision

Bearing No. BTW 100 CTN9/SP



BTW 100 CTN9/SP Bearing 2D drawings and 3D CAD models

Size	100x150x30 mm
Bore Diameter	100 mm
Outer Diameter	150 mm
Width	30 mm
d	100 mm
D	150 mm
B	30 mm
C	15 mm
d1	129 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	127,5 mm
H	60 mm
da min.	119 mm
Da min	140,9 mm
Da max.	142 mm
ra max.	1,5 mm
rb max.	0,6 mm
dh	– mm
Weight	2,95 Kg
Basic dynamic load rating (C)	59,2 kN
Basic static load rating (C0)	193 kN



## MSD MANUFACTURING CO.,LTD.

(Grease) Lubrication Speed	5 000 r/min
(Oil) Lubrication Speed	6 000 r/min
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1
Product Group	B04270
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	100MM Bore; 150MM Outside Diameter; 60MM 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
Keyword 3	Thrust



## MSD MANUFACTURING CO.,LTD.

Keyword String	Ball Angular Contact Thrust
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	BTW 100 CTN9/SP
Weight / LBS	6.61386
Outside Diameter	5.906 Inch   150 Millimeter
Bore	3.937 Inch   100 Millimeter
Width	2.362 Inch   60 Millimeter
$d_1$	128.9 mm
2C	30 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	119 mm
$D_a$ min.	140.9 mm
$D_a$ max.	142 mm
$r_a$ max.	1.5 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	59.2 kN
Basic static load rating $C_0$	193 kN
Fatigue load limit $P_u$	8.15 kN
Attainable speed for grease lubrication	5000 r/min
Attainable speed for oil-air lubrication	6000 r/min
Static axial stiffness	880 N/ $\mu$ m
Reference grease quantity $G_{ref}$	15.7 cm <sup>3</sup>
Mass bearing	2.97 kg