



Bearing No. BTW 85 CTN9/SP

D	130 mm
d	85 mm
H	54 mm
2C	27 mm
Noun	Bearing
Bore	3.346 Inch 85 Millimeter
Width	2.126 Inch 54 Millimeter
UNSPSC	31171531
Preload	600 N
Category	Precision Ball Bearings
Inventory	0.0
Enclosure	Open
Size (mm)	85x130x54
Keyword 3	Thrust
Width (mm)	54
Weight / LBS	4.51947
Flush Ground	No
Mass bearing	2.05 kg
Product Group	B00308
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Contact Angle	60 Degree
d ₁	111.2 mm
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Keyword String	Ball Angular Contact Thrust
Other Features	Double Row Angular Contact Thrust Bearing

	Double Direction
Bearing number	BTW 85 CTN9/SP
G _{ref}	11.2 cm
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	5.118 Inch 130 Millimeter
Long Description	85MM Bore; 130MM 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
Weight / Kilogram	0
Manufacturer Name	SKF
r _b max.	0.6 mm
r _a max.	1 mm
D _a max.	124 mm
D _a min.	122.3 mm
d _a min.	102 mm
Bore Diameter (mm)	85
Number of Bearings	1 (Single)
Outer Diameter (mm)	130
Minimum Buy Quantity	N/A
r _{3,4} min.	0.6 mm
D _a - min.	122.3 mm
d _a - min.	102 mm
r _a - max.	1 mm
r _b - max.	0.6 mm

D_a - max.	124 mm
$r_{1,2}$ min.	1.1 mm
Static Axial rigidity	763 N/micron
Static axial stiffness	763 N/ μ m
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	48.8 kN
Basic dynamic load rating - C	48.8 kN
Fatigue load limit P_u	6.7 kN
Fatigue load limit - P_u	6.7 kN
Limiting speed for oil lubrication	6700 mm/min
Limiting speed for grease lubrication	5600 r/min
Basic static load rating C_0	146 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	6700 r/min
Basic static load rating - C_0	146 kN
Reference grease quantity G_{ref}	11.2 cm ³