



Bearing No. BTW 110 CTN9/SP

D	170 mm
d	110 mm
H	72 mm
2C	36 mm
Noun	Bearing
Bore	4.331 Inch 110 Millimeter
Width	2.835 Inch 72 Millimeter
UNSPSC	31171531
Preload	735 N
Category	Precision Ball Bearings
Inventory	0.0
Enclosure	Open
Size (mm)	110x170x72
Keyword 3	Thrust
Width (mm)	72
Weight / LBS	10.36171
Flush Ground	No
Mass bearing	4.7 kg
Product Group	B00308
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Contact Angle	60 Degree
d ₁	145 mm
d ₁	145 mm
Keyword String	Ball Angular Contact Thrust
Other Features	Double Row Angular Contact Thrust Bearing

	Double Direction
Bearing number	BTW 110 CTN9/SP
G_{ref}	26.5 cm
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	6.693 Inch 170 Millimeter
Long Description	110MM Bore; 170MM Outside Diameter; 72MM 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.	1 mm
r_a max.	2 mm
D_a max.	161 mm
D_a min.	159.8 mm
d_a min.	132 mm
Bore Diameter (mm)	110
Number of Bearings	1 (Single)
Outer Diameter (mm)	170
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	1 mm
D_a - min.	159.8 mm
d_a - min.	132 mm
r_a - max.	2 mm
r_b - max.	1 mm

D_a - max.	161 mm
$r_{1,2}$ min.	2 mm
Static Axial rigidity	893 N/micron
Static axial stiffness	893 N/ μ m
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Basic dynamic load rating C	81.9 kN
Basic dynamic load rating - C	81.9 kN
Fatigue load limit P_u	10.4 kN
Fatigue load limit - P_u	10.4 kN
Limiting speed for oil lubrication	5000 mm/min
Limiting speed for grease lubrication	4300 r/min
Basic static load rating C_0	260 kN
Attainable speed for grease lubrication	4300 r/min
Attainable speed for oil-air lubrication	5000 r/min
Basic static load rating - C_0	260 kN
Reference grease quantity G_{ref}	26.5 cm ³