



Bearing No. BTW 120 CTN9/SP

D	180 mm
d	120 mm
H	72 mm
2C	36 mm
Bore	4.724 Inch   120 Millimeter
Noun	Bearing
Width	2.835 Inch   72 Millimeter
UNSPSC	31171531
Preload	800 N
Category	Precision Ball Bearings
Inventory	0.0
Enclosure	Open
Size (mm)	120x180x72
Keyword 3	Thrust
Width (mm)	72
Flush Ground	No
Weight / LBS	11.13333
Mass bearing	5.05 kg
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Product Group	B00308
d <sub>1</sub>	155 mm
Contact Angle	60 Degree
d <sub>1</sub>	155 mm
Bearing number	BTW 120 CTN9/SP
Other Features	Double Row   Angular Contact Thrust Bearing   Double Direction

Keyword String	Ball Angular Contact Thrust
G <sub>ref</sub>	28.4 cm
Precision Class	ABEC 5   ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	7.087 Inch   180 Millimeter
Long Description	120MM Bore; 180MM 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
Manufacturer Name	SKF
Weight / Kilogram	5.62
D <sub>a</sub> min.	169.8 mm
D <sub>a</sub> max.	171 mm
Number of Bearings	1 (Single)
r <sub>a</sub> max.	2 mm
Bore Diameter (mm)	120
r <sub>b</sub> max.	1 mm
d <sub>a</sub> min.	142 mm
Outer Diameter (mm)	180
r <sub>3,4</sub> min.	1 mm
r <sub>1,2</sub> min.	2 mm
Minimum Buy Quantity	N/A
D <sub>a</sub> - min.	169.8 mm
d <sub>a</sub> - min.	142 mm
D <sub>a</sub> - max.	171 mm

$r_a$ - max.	2 mm
$r_b$ - max.	1 mm
Static Axial rigidity	979 N/micron
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Static axial stiffness	979 N/ $\mu$ m
Harmonized Tariff Code	8482.10.50.28
Manufacturer Item Number	BTW 120 CTN9/SP
Basic dynamic load rating C	85.2 kN
Basic dynamic load rating - C	85.2 kN
Fatigue load limit $P_u$	10.8 kN
Fatigue load limit - $P_u$	10.8 kN
Limiting speed for oil lubrication	4800 mm/min
Limiting speed for grease lubrication	4000 r/min
Basic static load rating $C_0$	280 kN
Attainable speed for grease lubrication	4000 r/min
Attainable speed for oil-air lubrication	4800 r/min
Basic static load rating - $C_0$	280 kN
Reference grease quantity $G_{ref}$	28.4 cm <sup>3</sup>