



Bearing No. BTW 90 CTN9/SP

D	140 mm
d	90 mm
H	60 mm
2C	30 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	2.362 Inch 60 Millimeter
UNSPSC	31171531
Preload	625 N
Category	Precision Ball Bearings
Inventory	0.0
Enclosure	Open
Size (mm)	90x140x60
Keyword 3	Thrust
Width (mm)	60
Weight / LBS	5.95247
Flush Ground	No
Mass bearing	2.7 kg
Product Group	B04270
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Contact Angle	60 Degree
d ₁	118.9 mm
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Keyword String	Ball Angular Contact Thrust
Other Features	Double Row Angular Contact Thrust Bearing

	Double Direction
Bearing number	BTW 90 CTN9/SP
G _{ref}	14.4 cm
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	5.512 Inch 140 Millimeter
Long Description	90MM Bore; 140MM 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
Weight / Kilogram	0
Manufacturer Name	SKF
r _b max.	0.6 mm
r _a max.	1.5 mm
D _a max.	132 mm
D _a min.	130.9 mm
d _a min.	109 mm
Bore Diameter (mm)	90
Number of Bearings	1 (Single)
Outer Diameter (mm)	140
Minimum Buy Quantity	N/A
r _{3,4} min.	0.6 mm
D _a - min.	130.9 mm
d _a - min.	109 mm
r _a - max.	1.5 mm
r _b - max.	0.6 mm

D_a - max.	132 mm
$r_{1,2}$ min.	1.5 mm
Static Axial rigidity	792 N/micron
Static axial stiffness	792 N/ μ m
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.5 mm
Basic dynamic load rating C	55.9 kN
Basic dynamic load rating - C	55.9 kN
Fatigue load limit P_u	7.65 kN
Fatigue load limit - P_u	7.6 kN
Limiting speed for oil lubrication	6000 mm/min
Limiting speed for grease lubrication	5000 r/min
Basic static load rating C_0	173 kN
Attainable speed for grease lubrication	5000 r/min
Attainable speed for oil-air lubrication	6000 r/min
Basic static load rating - C_0	173 kN
Reference grease quantity G_{ref}	14.4 cm ³