



Bearing No. BTW 75 CTN9/SP

H	48 mm
d	75 mm
B	24 mm
D	115 mm
C	12 mm
2C	24 mm
d1	98,5 mm
dh	- mm
D1	97,5 mm
Bore	2.953 Inch   75 Millimeter
Noun	Bearing
Width	1.89 Inch   48 Millimeter
UNSPSC	31171531
Da min	108,4 mm
Weight	1,45 Kg
ra max.	1 mm
Da max.	110 mm
rb max.	0,6 mm
da min.	90 mm
r4 min.	0,6 mm
r3 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Preload	None
Category	Precision Ball Bearings
Size (mm)	75x115x24
Enclosure	Open
Inventory	1.0
Keyword 3	Thrust

Width (mm)	24
Mass bearing	1.44 kg
Weight / LBS	3.1967
Flush Ground	No
Product Group	B00308
Inch - Metric	Metric
Contact Angle	60 Degree
d <sub>1</sub>	98.5 mm
Raceway Style	Not Applicable
Cage Material	Polyamide
Keyword String	Ball Angular Contact Thrust
Other Features	Double Row   Angular Contact Thrust Bearing   Double Direction
Bearing number	BTW 75 CTN9/SP
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 5   ISO P5
Long Description	75MM Bore; 115MM Outside Diameter; 48MM Width; Open Enclosure; ABEC 5   ISO P5 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	4.528 Inch   115 Millimeter
Weight / Kilogram	1.6
Manufacturer Name	SKF
r <sub>b</sub> max.	0.6 mm
r <sub>a</sub> max.	1 mm

$D_a$ max.	110 mm
$D_a$ min.	108.4 mm
$d_a$ min.	90 mm
Bore Diameter (mm)	75
Number of Bearings	1 (Single)
Outer Diameter (mm)	115
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
Minimum Buy Quantity	N/A
Static axial stiffness	714 N/ $\mu$ m
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	7 500 r/min
(Grease) Lubrication Speed	6 300 r/min
Basic dynamic load rating C	39.7 kN
Basic static load rating (C0)	116 kN
Basic dynamic load rating (C)	39,7 kN
Fatigue load limit $P_u$	5.6 kN
Basic static load rating $C_0$	116 kN
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	7500 r/min
Reference grease quantity $G_{ref}$	7.8 cm <sup>3</sup>