



Bearing No. BTW 45 CTN9/SP

D	75 mm
d	45 mm
H	38 mm
2C	19 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	1.496 Inch 38 Millimeter
UNSPSC	31171531
Preload	390 N
Category	Precision Ball Bearings
Inventory	0.0
Size (mm)	45x75x38
Enclosure	Open
Width (mm)	38
Weight / LBS	1.25
Flush Ground	No
Mass bearing	0.53 kg
d ₁	62.5 mm
Inch - Metric	Metric
Cage Material	Polyamide
Raceway Style	Not Applicable
Contact Angle	60 Degree
d ₁	62.5 mm
Product Group	B00308
Keyword String	Angular Contact Ball
Other Features	Double Row Angular Contact Thrust Bearing Super Precision Double Direction Ball Centered

Bearing number	BTW 45 CTN9/SP
G _{ref}	3.1 cm
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Long Description	45MM Bore; 75MM Outside Diameter; 38MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearings; 60 Degree Contact Angle; Polyamide Cage Material; Ball Bearing
Outside Diameter	2.953 Inch 75 Millimeter
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
Weight / Kilogram	0.568
r _b max.	0.3 mm
r _a max.	1 mm
D _a max.	71 mm
D _a min.	69.9 mm
d _a min.	56 mm
Bore Diameter (mm)	45
Number of Bearings	1 (Single)
Outer Diameter (mm)	75
D _a - max.	71 mm
D _a - min.	69.9 mm
d _a - min.	56 mm
r _a - max.	1 mm
Minimum Buy Quantity	N/A
r _b - max.	0.3 mm
r _{1,2} min.	1 mm

$r_{3,4}$ min.	0.3 mm
Static Axial rigidity	513 N/micron
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	1 mm
Static axial stiffness	513 N/ μ m
Harmonized Tariff Code	8482.10.50.28
Manufacturer Item Number	BTW 45 CTN9/SP
Basic dynamic load rating C	22.1 kN
Basic dynamic load rating - C	22.1 kN
Fatigue load limit P_u	2.6 kN
Limiting speed for oil lubrication	12000 mm/min
Fatigue load limit - P_u	2.6 kN
Limiting speed for grease lubrication	9500 r/min
Basic static load rating C_0	54 kN
Attainable speed for grease lubrication	9500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Basic static load rating - C_0	54 kN
Reference grease quantity G_{ref}	3.1 cm ³