



Bearing No. BTW 140 CM/SP

D	210 mm
d	140 mm
H	84 mm
2C	42 mm
Noun	Bearing
Bore	5.512 Inch 140 Millimeter
Width	3.307 Inch 84 Millimeter
UNSPSC	31171531
Preload	940 N
Category	Precision Ball Bearings
Inventory	0.0
Size (mm)	140x210x84
Enclosure	Open
Width (mm)	84
Weight / LBS	19.654
Flush Ground	No
Mass bearing	8.6 kg
d ₁	180.8 mm
Inch - Metric	Metric
Cage Material	Brass
Raceway Style	Not Applicable
Contact Angle	60 Degree
d ₁	180.8 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 140 CM/SP
G _{ref}	45.3 cm
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Rolling Element	Ball Bearing
Long Description	140MM Bore; 210MM Outside Diameter; 84MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearings; 60 Degree Contact Angle; Brass Cage Material; Ball Bearing
Outside Diameter	8.268 Inch 210 Millimeter
Manufacturer URL	http://www.skf.com
Manufacturer Name	SKF
Weight / Kilogram	8.923
r _b max.	1 mm
r _a max.	2 mm
D _a max.	200 mm
D _a min.	197.7 mm
d _a min.	166 mm
Bore Diameter (mm)	140
Number of Bearings	1 (Single)
Outer Diameter (mm)	210
D _a - max.	200 mm
D _a - min.	197.7 mm
d _a - min.	166 mm
r _a - max.	2 mm
Minimum Buy Quantity	N/A
r _b - max.	1 mm
r _{1,2} min.	2.1 mm

$r_{3,4}$ min.	1 mm
Static Axial rigidity	1089 N/micron
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2.1 mm
Static axial stiffness	1089 N/ μ m
Harmonized Tariff Code	8482.10.50.28
Manufacturer Item Number	BTW 140 CM/SP
Basic dynamic load rating C	106 kN
Basic dynamic load rating - C	106 kN
Fatigue load limit P_u	13.2 kN
Limiting speed for oil lubrication	3800 mm/min
Fatigue load limit - P_u	13.2 kN
Limiting speed for grease lubrication	3200 r/min
Basic static load rating C_0	375 kN
Attainable speed for grease lubrication	3200 r/min
Attainable speed for oil-air lubrication	3800 r/min
Basic static load rating - C_0	375 kN
Reference grease quantity G_{ref}	45.3 cm ³