



**Bearing No. BTW 160 CM/SP**

H	96 mm
d	160 mm
B	48 mm
D	240 mm
C	24 mm
2C	48 mm
d1	207 mm
dh	- mm
D1	203,7 mm
Bore	6.299 Inch   160 Millimeter
Noun	Bearing
Width	3.78 Inch   96 Millimeter
UNSPSC	31171531
Da min	226 mm
Weight	13 Kg
ra max.	2 mm
Da max.	227 mm
rb max.	1 mm
da min.	190 mm
r4 min.	1 mm
r3 min.	1 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
Preload	None
Category	Precision Ball Bearings
Size (mm)	160x240x48
Enclosure	Open
Inventory	0.0
Keyword 3	Thrust

Width (mm)	48
Mass bearing	12.8 kg
Weight / LBS	28.66006
Flush Ground	No
Product Group	B00308
Inch - Metric	Metric
Contact Angle	60 Degree
d <sub>1</sub>	206.4 mm
Raceway Style	Not Applicable
Cage Material	Brass
Keyword String	Ball Angular Contact Thrust
Other Features	Double Row   Angular Contact Thrust Bearing   Double Direction
Bearing number	BTW 160 CM/SP
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 5   ISO P5
Long Description	160MM Bore; 240MM Outside Diameter; 96MM Width; Open Enclosure; ABEC 5   ISO P5 Precision; Steel Ball Material; 1 (Single) Bearing; 60 Degree Contact Angle; Brass Cage Material; Ball Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	9.449 Inch   240 Millimeter
Weight / Kilogram	0
Manufacturer Name	SKF
r <sub>b</sub> max.	1 mm
r <sub>a</sub> max.	2 mm

$D_a$ max.	227 mm
$D_a$ min.	226 mm
$d_a$ min.	190 mm
Bore Diameter (mm)	160
Number of Bearings	1 (Single)
Outer Diameter (mm)	240
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1 mm
Minimum Buy Quantity	N/A
Static axial stiffness	1220 N/ $\mu$ m
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	3 400 r/min
(Grease) Lubrication Speed	2 800 r/min
Basic dynamic load rating C	140 kN
Basic static load rating (C <sub>0</sub> )	510 kN
Basic dynamic load rating (C)	140 kN
Fatigue load limit $P_u$	16.6 kN
Basic static load rating C <sub>0</sub>	510 kN
Attainable speed for grease lubrication	2800 r/min
Attainable speed for oil-air lubrication	3400 r/min
Reference grease quantity $G_{ref}$	66.7 cm <sup>3</sup>