



Bearing No. BTW 180 CM/SP

H	120 mm
d	180 mm
D	280 mm
B	60 mm
C	30 mm
D1	234,8 mm
2C	60 mm
dh	- mm
d1	239 mm
Bore	7.087 Inch 180 Millimeter
Noun	Bearing
Width	4.724 Inch 120 Millimeter
UNSPSC	31171531
Weight	23 Kg
Da min	262,6 mm
r2 min.	2,1 mm
r3 min.	1 mm
Preload	None
rb max.	1 mm
ra max.	2 mm
Da max.	264 mm
da min.	214 mm
r1 min.	2,1 mm
r4 min.	1 mm
Category	Precision Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	180x280x60
Width (mm)	60

Flush Ground	No
Mass bearing	23.1 kg
Weight / LBS	59.73
Product Group	B00308
Inch - Metric	Metric
Cage Material	Brass
Contact Angle	60 Degree
d ₁	238.3 mm
Raceway Style	Not Applicable
Other Features	Double Row Angular Contact Thrust Bearing Super Precision Double Direction Ball Centered
Keyword String	Angular Contact Ball
Bearing number	BTW 180 CM/SP
Rolling Element	Ball Bearing
Precision Class	ABEC 5 ISO P5
Material - Ball	Steel
Outside Diameter	11.024 Inch 280 Millimeter
Long Description	180MM Bore; 280MM Outside Diameter; 120MM Width; Open Enclosure; ABEC 5 ISO P5 Precision; Steel Ball Material; 1 (Single) Bearings; 60 Degree Contact Angle; Brass Cage Material; Ball Bearing
Manufacturer URL	http://www.skf.com
Weight / Kilogram	27.117
Manufacturer Name	SKF
r _b max.	1 mm
r _a max.	2 mm

D_a max.	264 mm
D_a min.	262.6 mm
d_a min.	214 mm
Bore Diameter (mm)	180
Number of Bearings	1 (Single)
Outer Diameter (mm)	280
$r_{3,4}$ min.	1 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
Static axial stiffness	1314 N/ μ m
(Oil) Lubrication Speed	2 600 r/min
Manufacturer Item Number	BTW 180 CM/SP
(Grease) Lubrication Speed	2 000 r/min
Basic dynamic load rating C	199 kN
Basic static load rating (C ₀)	710 kN
Basic dynamic load rating (C)	199 kN
Fatigue load limit P_u	22.4 kN
Basic static load rating C ₀	710 kN
Attainable speed for grease lubrication	2000 r/min
Attainable speed for oil-air lubrication	2600 r/min
Reference grease quantity G_{ref}	116.7 cm ³