



Bearing No. 7206 BECBY

a	27.3 mm
d	30 mm
D	62 mm
B	16 mm
Noun	Bearing
Bore	1.181 Inch   30 Millimeter
Width	0.63 Inch   16 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	62x30x16
Inventory	6.0
Width (mm)	16
Weight / LBS	0.441
maximum rpm:	14000 RPM
Flush Ground	Yes
Mass bearing	0.2 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
$d_1$	42.65 mm
$D_1$	50.1 mm
$d_2$	36.13 mm
Bearing number	7206 BECBY

bore diameter:	30 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Steel
Limiting speed	13000 r/min
overall width:	16 mm
contact angle:	40 °
fillet radius:	1 mm
Reference speed	13000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3   ISO P6
Long Description	30MM Bore; 62MM Outside Diameter; 16MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	2.441 Inch   62 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	16 mm
Manufacturer Name	SKF
outside diameter:	62 mm
Weight / Kilogram	0.2
r <sub>b</sub> max.	0.6 mm
Bore Diameter (mm)	62
D <sub>a</sub> max.	56.4 mm
D <sub>b</sub> max.	57.8 mm
r <sub>a</sub> max.	1 mm
d <sub>a</sub> min.	35.6 mm

Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	30
Calculation factor A	0.00408
$d_a$ - min.	35.6 mm
$r_a$ - max.	1 mm
$D_b$ - max.	57.8 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1 mm
$D_a$ - max.	56.4 mm
$r_{3,4}$ min.	0.6 mm
Calculation factor X	0.57
Calculation factor e	1.14
$r_b$ - max.	0.6 mm
$D_1$ ?	50.1 mm
$d_2$ ?	36.13 mm
$d_1$ ?	42.65 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	0.6 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7206 BECBY
Basic dynamic load rating C	25.5 kN
radial static load capacity:	15.6 kN
Basic dynamic load	23.8 kN

rating - C	
radial dynamic load capacity:	24 kN
Maximum Capacity / Filling Slot	No
Calculation factor $k_r$	0.095
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Calculation factor $Y_0$	0.52
Fatigue load limit $P_u$	0.71 kN
Calculation factor - $Y_2$	0.57
Calculation factor - $k_r$	0.095
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Fatigue load limit - $P_u$	0.655 kN
Calculation factor - $k_a$	1.4
Basic static load rating $C_0$	17 kN
Basic static load rating - $C_0$	15.6 kN