



Bearing No. 7406 BM

a	37 mm
d	30 mm
D	90 mm
B	23 mm
Noun	Bearing
Bore	1.181 Inch 30 Millimeter
Width	0.906 Inch 23 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	90x30x23
Inventory	0.0
Width (mm)	23
Weight / LBS	1.783
maximum rpm:	10000 RPM
Flush Ground	No
Mass bearing	0.83 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	54.3 mm
d ₂	44.6 mm
D ₁	66.6 mm

Bearing number	7406 BM
Keyword String	Angular Contact
fillet radius:	1.5 mm
contact angle:	40 °
overall width:	23 mm
cage material:	Brass
bore diameter:	30 mm
Limiting speed	10000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Reference speed	10000 r/min
Precision Class	ABEC 3 ISO P6
Outside Diameter	3.543 Inch 90 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	30MM Bore; 90MM Outside Diameter; 23MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	23 mm
outside diameter:	90 mm
precision rating:	ABEC 3 (ISO Class 6)
Manufacturer Name	SKF
Weight / Kilogram	0.81
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	55 mm
Bore Diameter (mm)	90
D _a max.	110 mm
D _b max.	77.5 mm
r _a max.	2 mm

r_b max.	2 mm
Outer Diameter (mm)	30
internal clearance:	C0
$r_{1,2}$ min.	1.5 mm
Calculation factor A	0.0162
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.5 mm
Minimum Buy Quantity	N/A
D_a - max.	110 mm
r_b - max.	2 mm
r_a - max.	2 mm
D_b - max.	77.5 mm
d_a - min.	55 mm
d_2 ?	44.6 mm
D_1 ?	66.6 mm
d_1 ?	54.3 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	1.5 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7406 BM
Basic dynamic load rating C	47.5 kN
radial static load capacity:	29 kN
Basic dynamic load rating - C	47.5 kN
radial dynamic load capacity:	47.5 kN

Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor k_r	0.1
Fatigue load limit P_u	1.22 kN
Calculation factor Y_0	0.52
Fatigue load limit - P_u	1.2 kN
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - k_a	1.6
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.1
Basic static load rating C_0	29 kN
Basic static load rating - C_0	29 kN