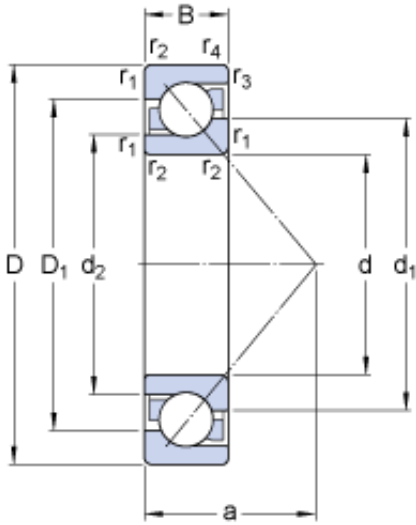




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7406 BCBM Bearing 2D drawings and 3D CAD models

SKF 7406 BCBM angular contact ball bearings

Bearing No. 7406 BCBM

Size	90x30x23 mm
Bore Diameter	90 mm
Outer Diameter	30 mm
Width	23 mm
d	30 mm
D	90 mm
B	23 mm
d ₁	54.3 mm
d ₂	44.6 mm
D ₁	66.6 mm
a	37 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1.5 mm
d _a - min.	55 mm
D _a - max.	110 mm
D _b - max.	77.5 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	47.5 kN
Basic static load rating - C ₀	29 kN
Fatigue load limit - P _u	1.2 kN
Reference speed	10000 r/min
Limiting speed	10000 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



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Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y ₀	0.52
Calculation factor - Y ₁	0.55
Calculation factor - Y ₂	0.93
Calculation factor - X	0.35
Calculation factor - Y ₀	0.26
Calculation factor - Y ₁	
Calculation factor - Y ₂	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.85
EAN	7316576651212
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	30MM Bore; 90MM



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	Outside Diameter; 23MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Other Features	Normal Axial Internal Clearance
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7406 BCBM
Weight / LBS	1.874
Outside Diameter	3.543 Inch 90 Millimeter
Bore	1.181 Inch 30 Millimeter
Width	0.906 Inch 23 Millimeter
bore diameter:	30 mm
radial static load capacity:	29 kN
outside diameter:	90 mm
cage material:	Brass
overall width:	23 mm
outer ring width:	23 mm
contact angle:	40 °
maximum rpm:	10000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	1.5 mm



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radial dynamic load capacity:	47.5 kN
series:	74
d_1	54.3 mm
d_2	44.6 mm
D_1	66.6 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1.5 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	77.5 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	47.5 kN
Basic static load rating C_0	29 kN
Fatigue load limit P_u	1.22 kN
Calculation factor A	0.0162
Calculation factor k_r	0.1
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Calculation factor X	0.57
Calculation factor Y_0	0.52
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Mass bearing	0.83 kg