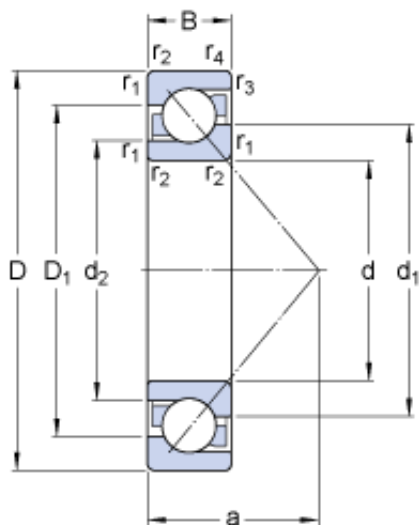




## BEARING-MALAYSIA SDN.BHD.



25 mm x 80 mm x 21 mm SKF 7405 BCBM  
angular contact ball bearings

Bearing No. 7405 BCBM

7405 BCBM Bearing 2D drawings and 3D CAD models

Size	80x25x21 mm
Bore Diameter	80 mm
Outer Diameter	25 mm
Width	21 mm
d	25 mm
D	80 mm
B	21 mm
d <sub>1</sub>	49.2 mm
d <sub>2</sub>	40.32 mm
D <sub>1</sub>	60.2 mm
a	33 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1.5 mm
d <sub>a</sub> - min.	55 mm
D <sub>a</sub> - max.	110 mm
D <sub>b</sub> - max.	71.1 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	39.7 kN
Basic static load rating - C <sub>0</sub>	23.6 kN
Fatigue load limit - P <sub>u</sub>	1 kN
Reference speed	11000 r/min
Limiting speed	11000 r/min
Calculation factor - k <sub>r</sub>	0.1



## BEARING-MALAYSIA SDN.BHD.

Calculation factor - $k_a$	1.6
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	0.61
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	25MM Bore; 80MM



## BEARING-MALAYSIA SDN.BHD.

	Outside Diameter; 21MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7405 BCBM
Weight / LBS	1.345
Outside Diameter	3.15 Inch   80 Millimeter
Bore	0.984 Inch   25 Millimeter
Width	0.827 Inch   21 Millimeter
bore diameter:	25 mm
radial static load capacity:	23.6 kN
outside diameter:	80 mm
cage material:	Brass
overall width:	21 mm
outer ring width:	21 mm
contact angle:	40 °
maximum rpm:	11000 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



## BEARING-MALAYSIA SDN.BHD.

radial dynamic load capacity:	39.7 kN
series:	74
$d_1$	49.2 mm
$d_2$	40.32 mm
$D_1$	60.2 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.	71.1 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	39.7 kN
Basic static load rating $C_0$	23.6 kN
Fatigue load limit $P_u$	1 kN
Calculation factor A	0.0108
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	0.61 kg