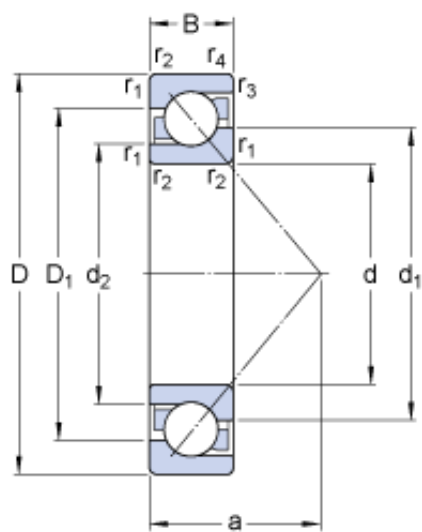




Bearing No. 7405 BCBM

a	33 mm
d	25 mm
D	80 mm
B	21 mm
Noun	Bearing
Bore	0.984 Inch 25 Millimeter
Width	0.827 Inch 21 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	80x25x21
Inventory	0.0
Width (mm)	21
Weight / LBS	1.345
maximum rpm:	11000 RPM
Flush Ground	Yes
Mass bearing	0.61 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	40.32 mm
d ₁	49.2 mm
D ₁	60.2 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	1.5 mm
contact angle:	40 °
overall width:	21 mm
cage material:	Brass
bore diameter:	25 mm
Keyword String	Angular Contact
Bearing number	7405 BCBM
Limiting speed	11000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	11000 r/min
Long Description	25MM Bore; 80MM Outside Diameter; 21MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	3.15 Inch 80 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	0.61
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	80 mm
Manufacturer Name	SKF
outer ring width:	21 mm
d _a min.	55 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	80
r _b max.	2 mm
r _a max.	2 mm
Internal Clearance	CB

D _b max.	71.1 mm
D _a max.	110 mm
internal clearance:	C0
Outer Diameter (mm)	25
r _{1,2} min.	1.5 mm
Calculation factor A	0.0108
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	1.5 mm
r _b - max.	2 mm
r _a - max.	2 mm
D _b - max.	71.1 mm
d _a - min.	55 mm
Minimum Buy Quantity	N/A
D _a - max.	110 mm
D ₁ ?	60.2 mm
d ₂ ?	40.32 mm
d ₁ ?	49.2 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1.5 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7405 BCBM
Basic dynamic load rating C	39.7 kN
radial static load capacity:	23.6 kN
radial dynamic load	39.7 kN

capacity:	
Basic dynamic load rating - C	39.7 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.1
Fatigue load limit P_u	1 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	1 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	23.6 kN
Basic static load rating - C_0	23.6 kN