



Bearing No. 7409 BGM

a	49.3 mm
d	45 mm
D	120 mm
B	29 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	1.142 Inch 29 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	120x45x29
Inventory	0.0
Width (mm)	29
Weight / LBS	3.812
maximum rpm:	7500 RPM
Flush Ground	Yes
Mass bearing	1.55 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	74.9 mm
d ₂	60.9 mm
D ₁	91.8 mm

Bearing number	7409 BGM
Keyword String	Angular Contact
fillet radius:	2 mm
contact angle:	40 °
overall width:	29 mm
cage material:	Brass
bore diameter:	45 mm
Limiting speed	7500 r/min
Reference speed	7000 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 3 ISO P6
Outside Diameter	4.724 Inch 120 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	45MM Bore; 120MM Outside Diameter; 29MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	29 mm
outside diameter:	120 mm
Manufacturer Name	SKF
precision rating:	ABEC 3 (ISO Class 6)
Weight / Kilogram	1.73
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	55 mm
Bore Diameter (mm)	120
D _a max.	110 mm
D _b max.	107.7 mm
r _a max.	2 mm

r_b max.	2 mm
Outer Diameter (mm)	45
internal clearance:	C0
$r_{1,2}$ min.	2 mm
Calculation factor A	0.0585
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	2 mm
Minimum Buy Quantity	N/A
D_a - max.	110 mm
Mounting Arrangement	Universal
d_a - min.	55 mm
r_a - max.	2 mm
D_b - max.	107.7 mm
r_b - max.	2 mm
row type & fill slot:	Single-Row Non-Fill Slot
d_1 ?	74.9 mm
d_2 ?	60.9 mm
D_1 ?	91.8 mm
Calculation factor - X	0.35
$r_{1,2}$ - min.	2 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - e	1.14
$r_{3,4}$ - min.	2 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7409 BGM
Basic dynamic load rating C	85.2 kN
radial static load capacity:	55 kN
Basic dynamic load rating - C	85.2 kN

radial dynamic load capacity:	85.2 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	2.36 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor - Y_2	0.57
Calculation factor - Y_0	0.26
Calculation factor - k_a	1.6
Calculation factor - Y_1	
Fatigue load limit - P_u	2.4 kN
Calculation factor - k_r	0.1
Basic static load rating C_0	55 kN
Basic static load rating - C_0	55 kN