



**Bearing No. 6409**

D	120 mm
d	45 mm
B	29 mm
Bore	1.772 Inch   45 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	64
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	120x45x29
Snap Ring	No
Width (mm)	29
bore type:	Round
Weight / LBS	3.48
Mass bearing	1.57 kg
maximum rpm:	8500 RPM
closure type:	Open
D <sub>1</sub>	95.85 mm
d <sub>1</sub>	68.91 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	45 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	2 mm
overall width:	29 mm
Bearing number	6409

Limiting speed	8500 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	13000 r/min
Outside Diameter	4.724 Inch   120 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	1.142 Inch   29 Millimeter
Long Description	45MM Bore; 120MM Outside Diameter; 29MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	1.581
outer ring width:	29 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	120 mm
Internal Clearance	C0-Medium
D <sub>a</sub> max.	107 mm
Bore Diameter (mm)	120
d <sub>a</sub> min.	58 mm
r <sub>a</sub> max.	2 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	45
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	2 mm
D <sub>a</sub> - max.	107 mm

$d_a$ - min.	58 mm
$r_{1,2}$ min.	2 mm
static load capacity:	45 kN
$d_1$ ?	68.91 mm
$D_1$ ?	95.85 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	76.1 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	2 mm
Manufacturer Item Number	6409
Internal Special Features	No
Basic dynamic load rating C	76.1 kN
Basic dynamic load rating - C	76.1 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	1.9 kN
Calculation factor $k_r$	0.035
Calculation factor $f_0$	12.1
Fatigue load limit - $P_u$	1.9 kN
Calculation factor - $k_r$	0.035
Calculation factor - $f_0$	12.1
Basic static load rating $C_0$	45 kN
Basic static load rating - $C_0$	45 kN