



Bearing No. 61807

D	47 mm
d	35 mm
B	7 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	61
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	47x35x7
Snap Ring	No
Width (mm)	7
bore type:	Round
Weight / LBS	0.068
Mass bearing	0.029 kg
maximum rpm:	18000 RPM
closure type:	Open
D ₁	42.75 mm
d ₁	38.21 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	35 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	0.3 mm
overall width:	7 mm
Bearing number	61807

Limiting speed	18000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	30000 r/min
Outer Race Width	0.276 Inch 7 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	1.85 Inch 47 Millimeter
Long Description	35MM Bore; 47MM Outside Diameter; 7MM 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	0.032
outer ring width:	7 mm
precision rating:	Not Rated
outside diameter:	47 mm
Internal Clearance	C0-Medium
D _a max.	45 mm
Bore Diameter (mm)	47
d _a min.	37 mm
r _a max.	0.3 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	35
Minimum Buy Quantity	N/A
r _{1,2} min.	0.3 mm
r _a - max.	0.3 mm
D _a - max.	45 mm
d _a - min.	37 mm

static load capacity:	3.35 kN
d_1 ?	38.21 mm
D_1 ?	42.75 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	4.36 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	0.3 mm
Manufacturer Item Number	61807
Internal Special Features	No
Basic dynamic load rating C	4.36 kN
Basic dynamic load rating - C	4.4 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	0.14 kN
Calculation factor k_r	0.015
Calculation factor f_0	14.3
Fatigue load limit - P_u	0.14 kN
Calculation factor - k_r	0.015
Calculation factor - f_0	14.3
Basic static load rating C_0	3.35 kN
Basic static load rating - C_0	3.4 kN