



# Timken BEARING CORP.of CANADA LTD.



35 mm x 47 mm x 7 mm SKF 61807-2RZ deep groove ball bearings

Bearing No. 61807-2RZ

61807-2RZ Bearing 2D drawings and 3D CAD models

Size	35x47x7 mm
Bore Diameter	35 mm
Outer Diameter	47 mm
Width	7 mm
d	35 mm
D	47 mm
B	7 mm
C	7 mm
d1	38,2 mm
d2	– mm
r1 min.	37 mm
r2 min.	37 mm
D1	44,4 mm
D2	0,3 mm
da min.	38 mm
Da max.	45 mm
ra max.	0,3 mm
Weight	0,03 Kg
Basic dynamic load rating (C)	4,36 kN
Basic static load rating (C0)	3,35 kN
Fatigue load limit (Pu)	0,14
Reference speed	30000 r/min
Limiting speed	15000 r/min
Calculation factor (f0)	14
Category	Single Row Ball Bearings



## Timken BEARING CORP.of CANADA LTD.

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.032
EAN	7316577095251
Product Group	B00308
Enclosure	2 Seals
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Enclosure Type	Non-Contact Seal
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	35MM Bore; 47MM Outside Diameter; 7MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	61807-2RZ
Weight / LBS	0.07
Outer Race Width	0.276 Inch   7 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter



## Timken BEARING CORP.of CANADA LTD.

Bore	1.378 Inch   35 Millimeter
bore diameter:	35 mm
static load capacity:	3.35 kN
outside diameter:	47 mm
precision rating:	Not Rated
overall width:	7 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Double Sealed
outer ring width:	7 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
internal clearance:	C0
maximum rpm:	15000 RPM
operating temperature range:	-40 to +210 ° F
series:	61
dynamic load capacity:	4.36 kN
$d_1$	38.21 mm
$D_2$	44.4 mm
$r_{1,2}$ min.	0.3 mm
$d_a$ min.	37 mm
$d_a$ max.	38 mm
$D_a$ max.	45 mm
$r_a$ max.	0.3 mm
Basic dynamic load rating C	4.36 kN
Basic static load rating $C_0$	3.35 kN
Fatigue load limit $P_u$	0.14 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	14.3
Mass bearing	0.03 kg