



# BEARING-THAILAND CO.,LTD



SKF/ NSK/ NTN/Timken Deep Groove Ball Bearing for Instrument, High Speed Precision Engine or Auto Parts Rolling Bearings 61801 61803 61805

Bearing No. 61801

61801 Bearing 2D drawings and 3D CAD models

Size	12x21x5 mm
Bore Diameter	12 mm
Outer Diameter	21 mm
Width	5 mm
d	12 mm
D	21 mm
B	5 mm
C	5 mm
d1	14,8 mm
r1 min.	0,3 mm
r2 min.	0,3 mm
D1	18,3 mm
D2	– mm
da min.	14 mm
Da max.	19 mm
rc max.	0,3 mm
Weight	0,0063 Kg
Basic dynamic load rating (C)	1,74 kN
Basic static load rating (C0)	0,915 kN
Fatigue load limit (Pu)	0,039
Reference speed	70000 r/min
Limiting speed	43000 r/min
Calculation factor (f0)	13



## BEARING-THAILAND CO.,LTD

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.008
EAN	7316576639777
Product Group	B00308
Enclosure	Open
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
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	12MM Bore; 21MM Outside Diameter; 5MM Outer Race Diameter; Open; 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	61801 J
Weight / LBS	0.02
Bore	0.472 Inch   12 Millimeter
Outside Diameter	0.827 Inch   21 Millimeter



## BEARING-THAILAND CO.,LTD

Outer Race Width	0.197 Inch   5 Millimeter
bore diameter:	12 mm
static load capacity:	0.915 kN
outside diameter:	21 mm
precision rating:	Not Rated
overall width:	5 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	5 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	43000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	1.74 kN
$d_1$	14.8 mm
$D_1$	18.3 mm
$r_{1,2}$ min.	0.3 mm
$d_a$ min.	14 mm
$D_a$ max.	19 mm
$r_a$ max.	0.3 mm
Basic dynamic load rating C	1.74 kN
Basic static load rating $C_0$	0.915 kN
Fatigue load limit $P_u$	0.039 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	13.4
Mass bearing	0.0063 kg