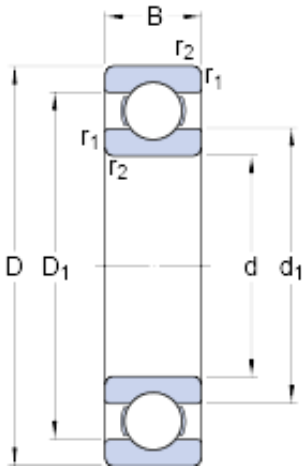




## Bearing company



61814 Bearing 2D drawings and 3D CAD models

### 70 mm x 90 mm x 10 mm skf 61814 bearing

Bearing No. 61814

Size	90x70x10 mm
Bore Diameter	90 mm
Outer Diameter	70 mm
Width	10 mm
d	70 mm
D	90 mm
B	10 mm
d <sub>1</sub>	76.6 mm
D <sub>1</sub>	83.4 mm
r <sub>1,2</sub> - min.	0.6 mm
d <sub>a</sub> - min.	73.2 mm
D <sub>a</sub> - max.	86.8 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	12.4 kN
Basic static load rating - C <sub>0</sub>	13.2 kN
Fatigue load limit - P <sub>u</sub>	0.56 kN
Reference speed	15000 r/min
Limiting speed	9000 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	17.2
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.154



## Bearing company

EAN	7316576641848
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	70MM Bore; 90MM Outside Diameter; 10MM 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	61814
Weight / LBS	0.34
Bore	2.756 Inch   70 Millimeter
Outer Race Width	0.394 Inch   10 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
bore diameter:	70 mm
static load capacity:	13.2 kN
outside diameter:	90 mm
precision rating:	Not Rated



## Bearing company

overall width:	10 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	10 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	9000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	12.4 kN
$d_1$	76.4 mm
$D_1$	83.9 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	73.2 mm
$D_a$ max.	86.8 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	12.4 kN
Basic static load rating $C_0$	13.2 kN
Fatigue load limit $P_u$	0.56 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	17.2
Mass bearing	0.14 kg