



# PCIF BEARING LIMITED



## 65 mm x 85 mm x 10 mm skf 61813 bearing

Bearing No. 61813

Size	85x65x10 mm
Bore Diameter	85 mm
Outer Diameter	65 mm
Width	10 mm
d	65 mm
D	85 mm
B	10 mm
d <sub>1</sub>	71.6 mm
D <sub>1</sub>	78.4 mm
r <sub>1,2</sub> - min.	0.6 mm
d <sub>a</sub> - min.	68.2 mm
D <sub>a</sub> - max.	81.8 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>	12.7 kN
Fatigue load limit - P <sub>u</sub>	0.54 kN
Reference speed	16000 r/min
Limiting speed	10000 r/min
Calculation factor - k <sub>r</sub>	0.015
Calculation factor - f <sub>0</sub>	17
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.145

61813 Bearing 2D drawings and 3D CAD models



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EAN	7316577098283
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	65MM Bore; 85MM 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	61813 J
Weight / LBS	0.32
Outer Race Width	0.394 Inch   10 Millimeter
Outside Diameter	3.346 Inch   85 Millimeter
Bore	2.559 Inch   65 Millimeter
bore diameter:	65 mm
static load capacity:	12.7 kN
outside diameter:	85 mm
precision rating:	Not Rated



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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:	10000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	12.4 kN
$d_1$	71.4 mm
$D_1$	78.9 mm
$r_{1,2}$ min.	0.6 mm
$d_a$ min.	68.2 mm
$D_a$ max.	81.8 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	12.4 kN
Basic static load rating $C_0$	12.7 kN
Fatigue load limit $P_u$	0.54 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	17
Mass bearing	0.13 kg