



80 mm x 100 mm x 10 mm skf 61816 bearing

Bearing No. 61816

Size	100x80x10 mm
Bore Diameter	100 mm
Outer Diameter	80 mm
Width	10 mm
d	80 mm
D	100 mm
B	10 mm
d ₁	86.7 mm
D ₂	95.7 mm
r _{1,2} - min.	1.3 mm
d _a - min.	83.2 mm
D _a - max.	96.8 mm
r _a - max.	0.6 mm
Basic dynamic load rating - C	12.7 kN
Basic static load rating - C ₀	11.2 kN
Fatigue load limit - P _u	0.61 kN
Reference speed	13000 r/min
Limiting speed	8000 r/min
Calculation factor - k _r	0.015
Calculation factor - f ₀	13.3
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.173

61816 Bearing 2D drawings and 3D CAD models



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EAN	7316576641855
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	80MM Bore; 100MM 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	http://www.skf.com
Manufacturer Item Number	61816
Weight / LBS	0.38
Outside Diameter	3.937 Inch 100 Millimeter
Outer Race Width	0.394 Inch 10 Millimeter
Bore	3.15 Inch 80 Millimeter
bore diameter:	80 mm
static load capacity:	15 kN
outside diameter:	100 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:	8000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	13 kN
d_1	86.7 mm
D_2	95.7 mm
$r_{1,2}$ min.	1.3 mm
d_a min.	83.2 mm
D_a max.	96.8 mm
r_a max.	0.6 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating C_0	11.2 kN
Fatigue load limit P_u	0.61 kN
Calculation factor k_r	0.015
Calculation factor f_0	13.3
Mass bearing	0.15 kg