



BEARING FORGE OF AMERICA CORP.



30 mm x 42 mm x 7 mm skf 61806 bearing

Bearing No. 61806

Size	42x30x7 mm
Bore Diameter	42 mm
Outer Diameter	30 mm
Width	7 mm
d	30 mm
D	42 mm
B	7 mm
d ₁	33.7 mm
D ₁	38.35 mm
r _{1,2} - min.	0.3 mm
d _a - min.	32 mm
D _a - max.	40 mm
r _a - max.	0.3 mm
Basic dynamic load rating - C	4.5 kN
Basic static load rating - C ₀	2.9 kN
Fatigue load limit - P _u	0.146 kN
Reference speed	32000 r/min
Limiting speed	20000 r/min
Calculation factor - k _r	0.015
Calculation factor - f ₀	13.9
Category	Single Row Ball Bearings
Inventory	6.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.025

61806 Bearing 2D drawings and 3D CAD models



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EAN	7316576639104
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	30MM Bore; 42MM Outside Diameter; 7MM 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	61806
Weight / LBS	0.06
Bore	1.181 Inch 30 Millimeter
Outer Race Width	0.276 Inch 7 Millimeter
Outside Diameter	1.654 Inch 42 Millimeter
bore diameter:	30 mm
static load capacity:	2.9 kN
outside diameter:	42 mm
precision rating:	Not Rated



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overall width:	7 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	7 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	20000 RPM
internal clearance:	C0
series:	61
dynamic load capacity:	4.49 kN
d_1	33.7 mm
D_1	38.35 mm
D_2	39.4 mm
$r_{1,2}$ min.	0.6 mm
d_a min.	32 mm
D_a max.	40 mm
r_a max.	0.3 mm
Basic dynamic load rating C	4.1 kN
Basic static load rating C_0	2.9 kN
Fatigue load limit P_u	0.146 kN
Calculation factor k_r	0.015
Calculation factor f_0	13.9
Mass bearing	0.024 kg