



BEARING DRIVESHAFT, INC.



40 mm x 90 mm x 23 mm skf 308 bearing

Bearing No. 308

308 Bearing 2D drawings and 3D CAD models

Size	90x40x23 mm
Bore Diameter	90 mm
Outer Diameter	40 mm
Width	23 mm
d	40 mm
D	90 mm
B	23 mm
d ₁	56.11 mm
D ₂	77.7 mm
r _{1,2} - min.	1.5 mm
d _a - min.	49 mm
D _a - max.	81 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	45.7 kN
Basic static load rating - C ₀	36 kN
Fatigue load limit - P _u	1.5 kN
Reference speed	14000 r/min
Limiting speed	8500 r/min
Calculation factor - k _r	0.05
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.65
Product Group	B00308



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Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	40MM Bore; 90MM Outside Diameter; 23MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes 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	308
Weight / LBS	1.42
Outside Diameter	3.543 Inch 90 Millimeter
Outer Race Width	0.906 Inch 23 Millimeter
Bore	1.575 Inch 40 Millimeter
bore diameter:	40 mm
static load capacity:	36 kN
outside diameter:	90 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	23 mm
finish/coating:	Uncoated



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bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	23 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	8500 RPM
internal clearance:	C0
series:	30
dynamic load capacity:	45.7 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	56.11 mm
D_2	77.7 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	49 mm
D_a max.	81 mm
r_a max.	1.5 mm
Basic dynamic load rating C	45.7 kN
Basic static load rating C_0	36 kN
Fatigue load limit P_u	1.53 kN
Calculation factor k_r	0.05
Mass bearing	0.64 kg