



BEARING BOWER CORP.



35 mm x 80 mm x 21 mm KD050AR0 Thin-section Angular Contact Ball Bearing

Bearing No. 307-2Z

307-2Z Bearing 2D drawings and 3D CAD models

Size	35x80x21 mm
Bore Diameter	35 mm
Outer Diameter	80 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
C	21 mm
d1	49,5 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
D2	69,2 mm
da min.	44 mm
da max	49,4 mm
Da max.	71 mm
ra max.	1,5 mm
Weight	0,48 Kg
Basic dynamic load rating (C)	34,7 kN
Basic static load rating (C0)	26,5 kN
Fatigue load limit (Pu)	1,12
Reference speed	16000 r/min
Limiting speed	9500 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



BEARING BOWER CORP.

Minimum Buy Quantity	N/A
Weight / Kilogram	0.517
Product Group	B00308
Enclosure	2 Metal Shields
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	35MM Bore; 80MM Outside Diameter; 21MM Outer Race Diameter; 2 Metal Shields; 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	307 2Z
Weight / LBS	1.13
Bore	1.378 Inch 35 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
bore diameter:	35 mm
static load capacity:	26.5 kN
outside diameter:	80 mm



BEARING BOWER CORP.

precision rating:	ABEC 3 (ISO Class 6)
overall width:	21 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Double Shielded
outer ring width:	21 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	9500 RPM
internal clearance:	C0
series:	30
dynamic load capacity:	34.7 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	49.56 mm
D_2	69.2 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	44 mm
d_a max.	49.4 mm
D_a max.	71 mm
r_a max.	1.5 mm
Basic dynamic load rating C	34.7 kN
Basic static load rating C_0	26.5 kN
Fatigue load limit P_u	1.12 kN
Calculation factor k_r	0.05
Mass bearing	0.48 kg