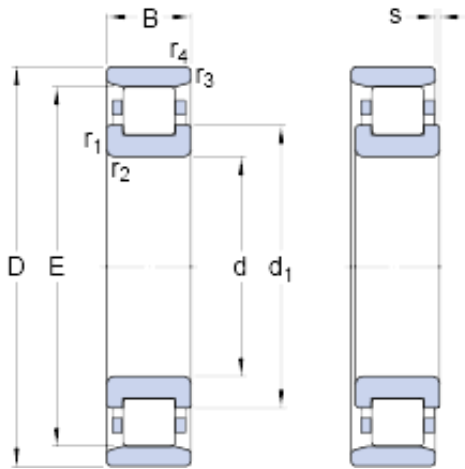




BEARING DRIVESHAFT, INC.



100 mm x 215 mm x 47 mm SKF N 320 ECP
cylindrical roller bearings

Bearing No. N 320 ECP

N 320 ECP Bearing 2D drawings and 3D CAD models

Size	215x100x47 mm
Bore Diameter	215 mm
Outer Diameter	100 mm
Width	47 mm
d	100 mm
D	215 mm
B	47 mm
d ₁	139 mm
E	191.5 mm
r _{1,2} - min.	3 mm
r _{3,4} - min.	3 mm
s	2.9 mm
d _a - min.	114 mm
d _a - max.	188 mm
D _a - min.	195 mm
D _a - max.	200 mm
r _a - max.	2.5 mm
r _b - max.	2.5 mm
Basic dynamic load rating - C	450 kN
Basic static load rating - C ₀	440 kN
Fatigue load limit - P _u	51 kN
Reference speed	3200 r/min
Limiting speed	3800 r/min
Calculation factor - k _r	0.12



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Limiting speed	3800 r/min
Calculation factor - k _r	0.12
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	7.637
EAN	7316570796971
Product Group	B04144



BEARING DRIVESHAFT, INC.

Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity 2 Rib Inner Ring Plain Outer Ring Cage on Inner Ring OD
Long Description	100MM Bore; Straight Bore Profile; 215MM Outside Diameter; 47MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium I
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	N 320 ECP
Weight / LBS	16.821
Width	1.85 Inch 47 Millimeter
Outside Diameter	8.465 Inch 215 Millimeter
Bore	3.937 Inch 100 Millimeter
bore diameter:	100 mm



BEARING DRIVESHAFT, INC.

static load capacity:	440 kN
outside diameter:	215 mm
precision rating:	Not Rated
overall width:	47 mm
maximum rpm:	3800 RPM
flanges:	(2) Inner Ring
bearing material:	Steel
bore type:	Straight
cage material:	Polyamide
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C0
closure type:	Open
ring separation:	Separable Ring
outer ring width:	47 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2.5 mm
dynamic load capacity:	450 kN
series:	N3
d_1	139 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	3 mm
s max.	2.9 mm
d_a min.	114 mm
d_a max.	188 mm
D_a min.	195 mm
D_a max.	200 mm
r_a max.	2.5 mm
r_b max.	2.5 mm
Basic dynamic load rating C	450 kN
Basic static load rating C_0	440 kN



BEARING DRIVESHAFT, INC.

Fatigue load limit P_u	51 kN
Calculation factor k_r	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	7.5 kg