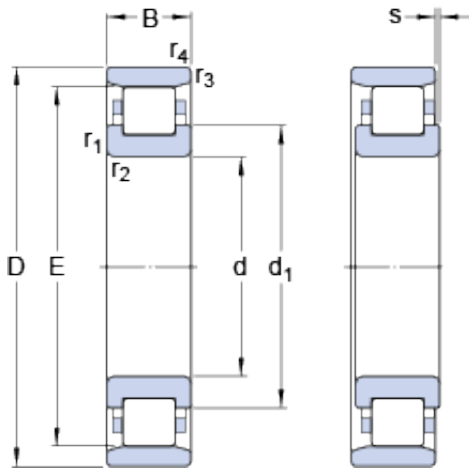




NTN Bearing Manufacturing



105 mm x 190 mm x 36 mm SKF N 221 ECP
thrust ball bearings

Bearing No. N 221 ECP

N 221 ECP Bearing 2D drawings and 3D CAD models

Size	190x105x36 mm
Bore Diameter	190 mm
Outer Diameter	105 mm
Width	36 mm
d	105 mm
D	190 mm
B	36 mm
d ₁	134 mm
E	173 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	2.1 mm
s	2 mm
d _a - min.	117 mm
d _a - max.	170 mm
D _a - min.	176 mm
D _a - max.	178 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	300 kN
Basic static load rating - C ₀	315 kN
Fatigue load limit - P _u	36.5 kN
Reference speed	3800 r/min
Limiting speed	4300 r/min
Calculation factor - k _r	0.12



NTN Bearing Manufacturing

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.96
EAN	7316577313195
Product Group	B04144
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	105MM Bore; Straight Bore Profile; 190MM Outside Diameter; 36MM 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



NTN Bearing Manufacturing

Manufacturer URL	http://www.skf.com
Manufacturer Item Number	N 221 ECP
Weight / LBS	8.722
Outside Diameter	7.48 Inch 190 Millimeter
Width	1.417 Inch 36 Millimeter
Bore	4.134 Inch 105 Millimeter
bore diameter:	105 mm
static load capacity:	315 kN
outside diameter:	190 mm
precision rating:	Not Rated
overall width:	36 mm
maximum rpm:	4300 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:	36 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	300 kN
series:	N2
d_1	134 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	2.1 mm
s max.	2 mm
d_a min.	117 mm



NTN Bearing Manufacturing

d_a max.	170 mm
D_a min.	176 mm
D_a max.	178 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	300 kN
Basic static load rating C_0	315 kN
Fatigue load limit P_u	36.5 kN
Calculation factor k_r	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	3.88 kg