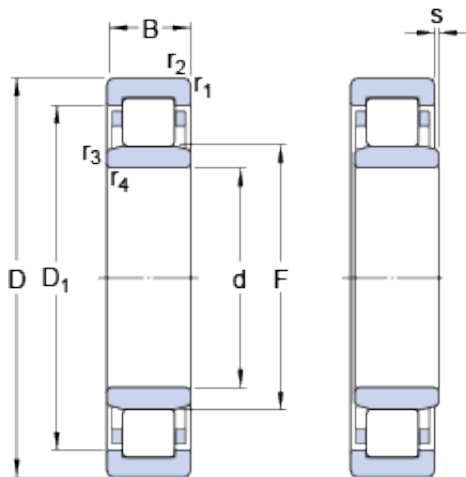




Bearing No. NU 307 ECM

D	80 mm
d	35 mm
B	21 mm
F	46.2 mm
s	1.2 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
Width	0.827 Inch 21 Millimeter
s max.	1.2 mm
UNSPSC	31171547
series:	NU3
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Size (mm)	80x35x21
Snap Ring	No
Inventory	11.0
Separable	Inner Ring - Both Sides
bore type:	Straight
Width (mm)	21
Bore Profile	Straight
Mass bearing	0.55 kg
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
Weight / LBS	1.27
maximum rpm:	11000 RPM

closure type:	Open
Inch - Metric	Metric
Product Group	B04144
Cage Material	Brass
D ₁	65.8 mm
bore diameter:	35 mm
overall width:	21 mm
cage material:	Brass
Other Features	High Capacity Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	1.5 mm
Bearing number	NU 307 ECM
Limiting speed	11000 r/min
Rolling Element	Cylindrical Roller Bearing
number of rows:	1
Precision Class	RBEC 1 ISO P0
finish/coating:	Uncoated
Reference speed	9500 r/min
ring separation:	Separable Ring
Manufacturer URL	http://www.skf.com
Outside Diameter	3.15 Inch 80 Millimeter
Limiting value e	0.2
Long Description	35MM Bore; Straight Bore Profile; 80MM Outside Diameter; 21MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inter

outer ring width:	21 mm
Manufacturer Name	SKF
Weight / Kilogram	0.576
bearing material:	Steel
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	80 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	80
r_b max.	1 mm
d_a max.	44 mm
d_b min.	48 mm
D_a max.	72.2 mm
r_a max.	1.5 mm
d_a min.	42 mm
Outer Diameter (mm)	35
Axial load factor Y	0.6
internal clearance:	C0
$r_{3,4}$ min.	1.1 mm
$r_{1,2}$ min.	1.5 mm
d_a - min.	42 mm
r_a - max.	1.5 mm
Minimum Buy Quantity	N/A
r_b - max.	1 mm
d_a - max.	44 mm
d_b - min.	48 mm
D_a - max.	72.2 mm
static load capacity:	63 kN
D_1 ?	65.8 mm
$r_{3,4}$ - min.	1.1 mm
Harmonized Tariff Code	8482.50.00.00
$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	75 kN

Manufacturer Item Number	NU 307 ECM
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	75 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	75 kN
Fatigue load limit P_u	8.15 kN
Calculation factor k_r	0.15
Fatigue load limit - P_u	8.2 kN
Calculation factor - k_r	0.15
Basic static load rating C_0	63 kN
Basic static load rating - C_0	63 kN