



PCIF BEARING LIMITED



75 mm x 160 mm x 37 mm skf nu 315 ecp bearing

Bearing No. nu 315 ecp

nu 315 ecp Bearing 2D drawings and 3D CAD models

Size	160x75x37 mm
Bore Diameter	160 mm
Outer Diameter	75 mm
Width	37 mm
d	75 mm
D	160 mm
B	37 mm
D ₁	135 mm
F	95 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	2.1 mm
s	1.8 mm
d _a - min.	87 mm
d _a - max.	92 mm
d _b - min.	97 mm
D _a - max.	148 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	280 kN
Basic static load rating - C ₀	265 kN
Fatigue load limit - P _u	33.5 kN
Reference speed	4500 r/min
Limiting speed	5300 r/min
Calculation factor - k _r	0.15



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Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.37
EAN	7316577030313
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner 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 Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	75MM Bore; Straight Bore Profile; 160MM Outside Diameter; 37MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NU 315 ECP
Weight / LBS	7.423
Bore	2.953 Inch 75 Millimeter
Width	1.457 Inch 37 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
bore diameter:	75 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	160 mm
maximum rpm:	5300 RPM
overall width:	37 mm
bearing material:	Steel
flanges:	(2) Outer Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	37 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	280 kN
series:	NU3
static load capacity:	265 kN
D ₁	135 mm
r _{1,2} min.	2.1 mm



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$r_{3,4}$ min.	2.1 mm
s max.	1.8 mm
d_a min.	87 mm
d_a max.	92 mm
d_b min.	97 mm
D_a max.	148 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	280 kN
Basic static load rating C_0	265 kN
Fatigue load limit P_u	33.5 kN
Calculation factor k_r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	3.31 kg
Angle ring	HJ 315 EC