



**Bearing No. NUP 205 ECP**

D	52 mm
d	25 mm
B	15 mm
F	31.5 mm
Noun	Bearing
Bore	0.984 Inch   25 Millimeter
Width	0.591 Inch   15 Millimeter
UNSPSC	31171547
series:	NUP2
Profile	Complete with Outer and Inner Ring
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Separable	No
Snap Ring	No
Inventory	0.0
Size (mm)	52x25x15
bore type:	Straight
Width (mm)	15
Weight / LBS	0.329
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
Bore Profile	Straight
maximum rpm:	16000 RPM
Mass bearing	0.14 kg
Cage Material	Polymer

Product Group	B04144
D <sub>1</sub>	43.3 mm
d <sub>1</sub>	34.7 mm
Inch - Metric	Metric
closure type:	Open
Bearing number	NUP 205 ECP
Relubricatable	Yes
overall width:	15 mm
fillet radius:	1 mm
Limiting speed	16000 r/min
cage material:	Polyamide
Other Features	High Capacity   1 Rib Inner Ring with Side Plate   2 Rib Outer Ring   Cage on Outer Ring ID
bore diameter:	25 mm
number of rows:	1
finish/coating:	Uncoated
Rolling Element	Cylindrical Roller Bearing
Reference speed	14000 r/min
Precision Class	RBEC 1   ISO P0
ring separation:	Separable Ring
Long Description	25MM Bore; Straight Bore Profile; 52MM Outside Diameter; 15MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Limiting value e	0.2
Outside Diameter	2.047 Inch   52

	Millimeter
outer ring width:	15 mm
Manufacturer Name	SKF
outside diameter:	52 mm
precision rating:	RBEC 1 (ISO Class Normal)
Weight / Kilogram	0.149
$r_a$ max.	1 mm
$d_a$ min.	29.9 mm
$d_b$ min.	36 mm
$D_a$ max.	46.4 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	52
internal clearance:	C0
Axial load factor Y	0.6
Outer Diameter (mm)	25
$D_a$ - max.	46.4 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	1 mm
$d_b$ - min.	36 mm
$d_a$ - min.	29.9 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1 mm
$d_1$ ?	34.7 mm
static load capacity:	27 kN
$D_1$ ?	43.3 mm
$r_{3,4}$ - min.	0.6 mm
Harmonized Tariff Code	8482.50.00.00
dynamic load capacity:	28.6 kN
$r_{1,2}$ - min.	1 mm
Manufacturer Item Number	NUP 205 ECP
Number of Rows of	Single Row

Rollers	
Basic dynamic load rating C	32.5 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	32.5 kN
Fatigue load limit $P_u$	3.35 kN
Calculation factor $k_r$	0.15
Fatigue load limit - $P_u$	3.4 kN
Calculation factor - $k_r$	0.15
Basic static load rating $C_0$	27 kN
Basic static load rating - $C_0$	27 kN