



BEARING-MALAYSIA SDN.BHD.



25 mm x 52 mm x 15 mm SKF NUP 205 ECP
thrust ball bearings

Bearing No. NUP 205 ECP

NUP 205 ECP Bearing 2D drawings and 3D CAD models

Size	52x25x15 mm
Bore Diameter	52 mm
Outer Diameter	25 mm
Width	15 mm
d	25 mm
D	52 mm
B	15 mm
d ₁	34.7 mm
D ₁	43.3 mm
F	31.5 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	29.9 mm
d _b - min.	36 mm
D _a - max.	46.4 mm
r _a - max.	1 mm
Basic dynamic load rating - C	32.5 kN
Basic static load rating - C ₀	27 kN
Fatigue load limit - P _u	3.4 kN
Reference speed	14000 r/min
Limiting speed	16000 r/min
Calculation factor - k _r	0.15
Category	Cylindrical Roller Bearings
Inventory	0.0



BEARING-MALAYSIA SDN.BHD.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.149
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	No
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 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
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
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NUP 205 ECP



BEARING-MALAYSIA SDN.BHD.

Weight / LBS	0.329
Width	0.591 Inch 15 Millimeter
Outside Diameter	2.047 Inch 52 Millimeter
Bore	0.984 Inch 25 Millimeter
bore diameter:	25 mm
static load capacity:	27 kN
outside diameter:	52 mm
precision rating:	RBEC 1 (ISO Class Normal)
overall width:	15 mm
maximum rpm:	16000 RPM
flanges:	(4) Flanges, Two-Piece Inner 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:	15 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1 mm
dynamic load capacity:	28.6 kN
series:	NUP2
d_1	34.7 mm
D_1	43.3 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	29.9 mm



BEARING-MALAYSIA SDN.BHD.

d_b min.	36 mm
D_a max.	46.4 mm
r_a max.	1 mm
Basic dynamic load rating C	32.5 kN
Basic static load rating C_0	27 kN
Fatigue load limit P_u	3.35 kN
Calculation factor k_r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.14 kg