



Bearing No. NNU 4944 B/SPW33

F	245 mm
B	80 mm
K	3 mm
S	3,7 mm
C	80 mm
b	11,1 mm
D	300 mm
d	220 mm
dh	247 mm
D1	272,2 mm
Bore	8.661 Inch   220 Millimeter
Noun	Bearing
Width	3.15 Inch   80 Millimeter
da max	242 mm
Weight	16,5 Kg
s max.	3.7 mm
UNSPSC	31171547
db min	249 mm
ra max.	2 mm
Da max.	289 mm
da min.	231 mm
r4 min.	1,1 mm
r3 min.	1,1 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
Profile	Complete with Outer and Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing

Size (mm)	220x300x80
Separable	Inner Ring - Both Sides
Snap Ring	No
Inventory	0.0
Width (mm)	80
Weight / LBS	36.817
Bore Profile	Straight
Mass bearing	16.5 kg
Product Group	B04270
Cage Material	Brass
D <sub>1</sub>	272.2 mm
Inch - Metric	Metric
d <sub>n</sub>	247 mm
Other Features	Plain Inner Ring   3 Rib Outer Ring   High Precision Bearing   Modified Internal Design   Cage on Outer Ring ID
Relubricatable	Yes
Bearing number	NNU 4944 B/SPW33
Precision Class	Special Precision
Rolling Element	Cylindrical Roller Bearing
Long Description	220MM Bore; Straight Bore Profile; 300MM Outside Diameter; 80MM Width; Brass Cage Matetrial; Special Precision; Double Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C1-Tight In
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	11.811 Inch   300 Millimeter
Weight / Kilogram	16.715

Manufacturer Name	SKF
Bore Diameter (mm)	220
$r_a$ max.	2 mm
$D_a$ max.	289 mm
$d_b$ min.	249 mm
$d_a$ max.	242 mm
$d_a$ min.	231 mm
Internal Clearance	C1-Tight
Outer Diameter (mm)	300
$r_{1,2}$ min.	2.1 mm
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.50.00.00
(Oil) Lubrication Speed	2 800 r/min
Manufacturer Item Number	NNU 4944 B/SPW33
Number of Rows of Rollers	Double Row
(Grease) Lubrication Speed	2 400 r/min
Basic dynamic load rating C	512 kN
Basic static load rating (C <sub>0</sub> )	1 140 kN
Basic dynamic load rating (C)	512 kN
Fatigue load limit $P_u$	114 kN
Basic static load rating C <sub>0</sub>	1140 kN
Attainable speed for grease lubrication	2400 r/min
Attainable speed for oil-air lubrication	2800 r/min
Reference grease quantity $G_{ref}$	150 cm <sup>3</sup>
Static radial stiffness (guideline value)	5990 N/ $\mu$ m

