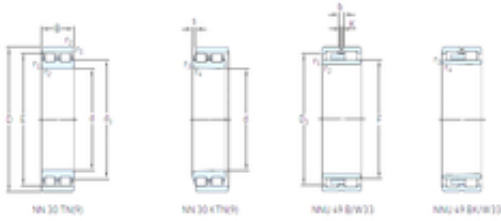


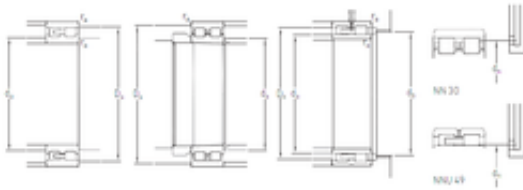


# MSD MANUFACTURING CO.,LTD.



220 mm x 300 mm x 80 mm skf NNU 4944 B/SPW33 Super-precision cylindrical roller bearings

Bearing No. NNU 4944 B/SPW33



NNU 4944 B/SPW33 Bearing 2D drawings and 3D CAD models

Size	220x300x80 mm
Bore Diameter	220 mm
Outer Diameter	300 mm
Width	80 mm
d	220 mm
D	300 mm
B	80 mm
C	80 mm
b	11,1 mm
r1 min.	2,1 mm
r2 min.	2,1 mm
r3 min.	1,1 mm
r4 min.	1,1 mm
D1	272,2 mm
F	245 mm
K	3 mm
da min.	231 mm
da max	242 mm
Da max.	289 mm
db min	249 mm
ra max.	2 mm
S	3,7 mm
dh	247 mm
Weight	16,5 Kg
Basic dynamic load rating	512 kN



## MSD MANUFACTURING CO.,LTD.

(C)	
Basic static load rating (C0)	1 140 kN
(Grease) Lubrication Speed	2 400 r/min
(Oil) Lubrication Speed	2 800 r/min
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	16.715
EAN	7316577115881
Product Group	B04270
Bore Profile	Straight
Cage Material	Brass
Precision Class	Special Precision
Number of Rows of Rollers	Double Row
Separable	Inner Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C1-Tight
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	Plain Inner Ring   3 Rib Outer Ring   High Precision Bearing   Modified Internal Design   Cage on Outer Ring ID
Long Description	220MM Bore; Straight Bore Profile; 300MM Outside Diameter; 80MM Width; Brass Cage Material; Special Precision; Double Row; Inner Ring - Both Sides Separable; No Snap Ring;



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	Relubricatable; C1-Tight In
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NNU 4944 B/SPW33
Weight / LBS	36.817
Width	3.15 Inch   80 Millimeter
Outside Diameter	11.811 Inch   300 Millimeter
Bore	8.661 Inch   220 Millimeter
$D_1$	272.2 mm
$r_{1,2}$ min.	2.1 mm
s max.	3.7 mm
$d_a$ min.	231 mm
$d_a$ max.	242 mm
$d_b$ min.	249 mm
$D_a$ max.	289 mm
$r_a$ max.	2 mm
$d_n$	247 mm
Basic dynamic load rating C	512 kN
Basic static load rating $C_0$	1140 kN
Fatigue load limit $P_u$	114 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
Mass bearing	16.5 kg