



Bearing No. NJ 2218 ECM

F	107 mm
s	2.6 mm
d	90 mm
D	160 mm
B	40 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	1.575 Inch 40 Millimeter
UNSPSC	31171547
s max.	2.6 mm
series:	NJ22
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring, (1) Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	160x90x40
Snap Ring	No
Separable	Inner Ring - One Side
Inventory	0.0
bore type:	Straight
Width (mm)	40
maximum rpm:	5000 RPM
Weight / LBS	8.164
Bore Profile	Straight
Mass bearing	3.63 kg
closure type:	Open
Product Group	B04144

d ₁	114 mm
Cage Material	Brass
D ₁	138.5 mm
Inch - Metric	Metric
Bearing number	NJ 2218 ECM
Relubricatable	Yes
fillet radius:	2 mm
cage material:	Brass
Limiting speed	5000 r/min
bore diameter:	90 mm
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
overall width:	40 mm
finish/coating:	Uncoated
number of rows:	1
Reference speed	4500 r/min
Precision Class	RBEC 1 ISO P0
Rolling Element	Cylindrical Roller Bearing
Long Description	90MM Bore; Straight Bore Profile; 160MM Outside Diameter; 40MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Intern
Limiting value e	0.3
Manufacturer URL	http://www.skf.com
ring separation:	Separable Ring
Outside Diameter	6.299 Inch 160 Millimeter

Weight / Kilogram	3.706
precision rating:	Not Rated
outside diameter:	160 mm
outer ring width:	40 mm
Manufacturer Name	SKF
bearing material:	Steel
r _a max.	2 mm
d _a min.	101 mm
d _a max.	104 mm
d _b min.	117 mm
D _a max.	149 mm
Bore Diameter (mm)	160
Internal Clearance	C0-Medium
Axial load factor Y	0.4
internal clearance:	C0
Outer Diameter (mm)	90
r _{1,2} min.	2 mm
r _{3,4} min.	2 mm
r _a - max.	2 mm
Minimum Buy Quantity	N/A
D _a - max.	149 mm
d _a - min.	101 mm
d _b - min.	117 mm
d _a - max.	104 mm
static load capacity:	315 kN
d ₁ ?	114 mm
D ₁ ?	138.5 mm
Harmonized Tariff Code	8482.50.00.00
r _{1,2} - min.	2 mm
dynamic load capacity:	280 kN
r _{3,4} - min.	2 mm
Manufacturer Item Number	NJ 2218 ECM

Number of Rows of Rollers	Single Row
Basic dynamic load rating C	280 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	280 kN
Fatigue load limit P_u	39 kN
Calculation factor k_r	0.2
Fatigue load limit - P_u	39 kN
Calculation factor - k_r	0.2
Basic static load rating C_0	315 kN
Basic static load rating - C_0	315 kN