



KOYO BEARING LIMITED



N 318 ECP Bearing 2D drawings and 3D CAD models

90 mm x 190 mm x 43 mm SKF N 318 ECP Cylindrical Roller Bearings

Bearing No. N 318 ECP

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	5.395
EAN	7316577049339
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring - Both Sides
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 2 Rib Inner Ring Plain Outer Ring Cage on Inner Ring OD
Long Description	90MM Bore; Straight Bore Profile; 190MM Outside Diameter; 43MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single



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	Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	N 318 ECP
Weight / LBS	11.883
B	1.693 Inch 43 Millimeter
D	7.48 Inch 190 Millimeter
d	3.543 Inch 90 Millimeter
bore diameter:	90 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	190 mm
maximum rpm:	4550 RPM
overall width:	43 mm
bearing material:	Steel
flanges:	(2) 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:	43 mm
operating temperature	Maximum of +300 ° F



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range:	
fillet radius:	2.5 mm
dynamic load capacity:	365 kN
series:	N3
static load capacity:	360 kN
d	90 mm
D	190 mm
B	43 mm
d ₁	124 mm
E	169.5 mm
r _{1,2} min.	3 mm
r _{3,4} min.	3 mm
s max.	2.5 mm
d _a min.	104 mm
d _a max.	166 mm
D _a min.	173 mm
D _a max.	175 mm
r _a max.	2.5 mm
r _b max.	2.5 mm
Basic dynamic load rating C	365 kN
Basic static load rating C ₀	360 kN
Fatigue load limit P _u	43 kN
Reference speed	3800 r/min
Limiting speed	4500 r/min
Calculation factor k _r	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	5.31 kg