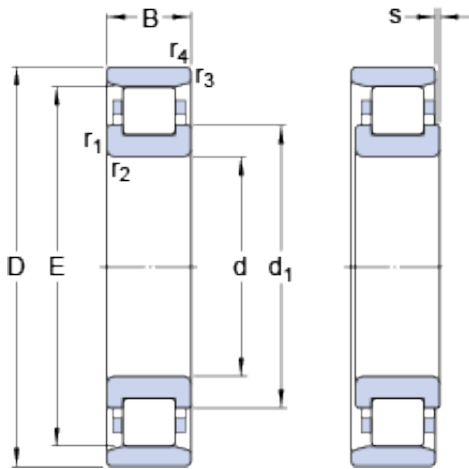




# NTN DRIVESHAFT ANDERSON, INC.



90 mm x 160 mm x 30 mm SKF N 218 ECP  
thrust ball bearings

Bearing No. N 218 ECP

N 218 ECP Bearing 2D drawings and 3D CAD models

Size	160x90x30 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	30 mm
d	90 mm
D	160 mm
B	30 mm
d <sub>1</sub>	114 mm
E	145 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	2 mm
s	1.8 mm
d <sub>a</sub> - min.	101 mm
d <sub>a</sub> - max.	142 mm
D <sub>a</sub> - min.	148 mm
D <sub>a</sub> - max.	149 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	208 kN
Basic static load rating - C <sub>0</sub>	220 kN
Fatigue load limit - P <sub>u</sub>	27 kN
Reference speed	4500 r/min
Limiting speed	5000 r/min
Calculation factor - k <sub>r</sub>	0.12



## NTN DRIVESHAFT ANDERSON, INC.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.383
EAN	7316577061690
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; 160MM Outside Diameter; 30MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single 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



## NTN DRIVESHAFT ANDERSON, INC.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	N 218 ECP
Weight / LBS	5.249
Bore	3.543 Inch   90 Millimeter
Width	1.181 Inch   30 Millimeter
Outside Diameter	6.299 Inch   160 Millimeter
bore diameter:	90 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	160 mm
maximum rpm:	5000 RPM
overall width:	30 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:	30 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	208 kN
series:	N2
static load capacity:	220 kN
d <sub>1</sub>	114 mm
r <sub>1,2</sub> min.	2 mm



## NTN DRIVESHAFT ANDERSON, INC.

$r_{3,4}$ min.	2 mm
s max.	1.8 mm
$d_a$ min.	101 mm
$d_a$ max.	142 mm
$D_a$ min.	148 mm
$D_a$ max.	149 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	208 kN
Basic static load rating $C_0$	220 kN
Fatigue load limit $P_u$	27 kN
Calculation factor $k_r$	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	2.32 kg