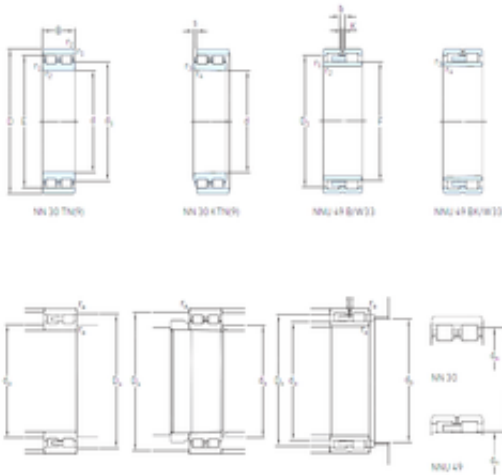




BEARING PRECISION AXLE CORP.



90 mm x 140 mm x 37 mm SKF NN 3018 KTN9/SP Cylindrical roller bearings

Bearing No. NN 3018 KTN9/SP

NN 3018 KTN9/SP Bearing 2D drawings and 3D CAD models

Size	90x140x37 mm
Bore Diameter	90 mm
Outer Diameter	140 mm
Width	37 mm
d	90 mm
D	140 mm
B	37 mm
C	37 mm
b	– mm
d1	109,4 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
E	127 mm
K	– mm
da min.	98 mm
Da min	129 mm
Da max.	132 mm
ra max.	1,5 mm
S	2 mm
dh	125,4 mm
Weight	1,95 Kg
Basic dynamic load rating (C)	138 kN
Basic static load rating (C0)	216 kN



BEARING PRECISION AXLE CORP.

(Grease) Lubrication Speed	6 300 r/min
(Oil) Lubrication Speed	7 000 r/min
Category	Cylindrical Roller Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.022
EAN	7316572121177
Product Group	B04270
Bore Profile	Tapered
Cage Material	Polymer
Precision Class	Special Precision
Number of Rows of Rollers	Double Row
Separable	Outer 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	3 Rib Inner Ring Plain Outer Ring High Precision Bearing Cage on Inner Ring OD
Long Description	90MM Bore; Tapered Bore Profile; 140MM Outside Diameter; 37MM Width; Polymer Cage Material; Special Precision; Double Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C1-Tight In
Category	Cylindrical Roller Bearing



BEARING PRECISION AXLE CORP.

UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NN 3018 KTN9/SP
Weight / LBS	4.453
Bore	3.543 Inch 90 Millimeter
Outside Diameter	5.512 Inch 140 Millimeter
Width	1.457 Inch 37 Millimeter
bore diameter:	90 mm
static load capacity:	216 kN
outside diameter:	140 mm
precision rating:	Not Rated
overall width:	37 mm
maximum rpm:	6700 RPM
flanges:	(3) Inner Ring
bearing material:	Chrome Steel
bore type:	Straight
cage material:	Polyamide
number of rows:	2
finish/coating:	Uncoated
internal clearance:	C1
closure type:	Open
ring separation:	Separable Outer Ring
outer ring width:	37 mm
operating temperature range:	Maximum of +120 ° C
fillet radius:	1.5 mm
dynamic load capacity:	138 kN
series:	NN30
d ₁	109.4 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1 mm



BEARING PRECISION AXLE CORP.

s max.	2 mm
d _a min.	98 mm
D _a min.	129 mm
D _a max.	132 mm
d _n	125.4 mm
Basic dynamic load rating C	138 kN
Basic static load rating C ₀	216 kN
Fatigue load limit P _u	26 kN
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	7000 r/min
Reference grease quantity G _{ref}	11.1 cm ³
Static radial stiffness (guideline value)	2010 N/μm
Mass bearing	1.95 kg