

# 21314EAE4 NSK bomp 21314EAE4 70x150x35mm Spherical roller bearings

Bearing number	21314EAE4
Size (mm)	70x150x35
Brand	NSK
Bore Diameter (mm)	70
Outer Diameter (mm)	150
Width (mm)	35
d	70 mm
D	150 mm
B	35 mm
C	35 mm
r min.	2.1 mm
da min.	82 mm
Da min.	181 mm
Da max.	150 mm
Da min.	150 mm
ra max.	2 mm
Weight	3 kg
Basic dynamic load rating (C)	250 kN
Basic static load rating (C0)	325 kN
Lubrication Speed (Grease)	3000 r/min
Lubrication Speed (Oil)	3000 r/min
Calculation factor (f1)	0.22
Calculation factor (f2)	3
Calculation factor (f3)	4.4
Category	Spherical Roller Bearings
ISO Inventory	8-0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	3.15
Product Group - NSI	804311
Internal Clearance	CO-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Mitochondrion Sleeve	Not Applicable
Inch - Metric	Metric
Temp Description	7000 Straight Bore; 15000 Outer Diameter; 3000 Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - NSI	Spherical Roller Bearing
UNSC	3171510
Normalized Tactic Code	84620000
NSM	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	21314EAE4
Weight / LBS	3.15
Bore	2.756 Inch   70 Millimeter
Width	1.378 Inch   35 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Cage Type	Roller Guided
Bore Diameter	70 mm
Maximum RPM	4000 RPM
Outside Diameter	150 mm
Operating Temperature Range	Maximum of +200 °C
Overall Width	35 mm
Cage Material	Steel
New Type	Straight
Bearing Material	Steel
Outer Ring Type	Not Split
Internal Clearance	CO
Precision Rating	P0EC 1 (ISO Class Normal)
Closure Type	Open
Finish/Coating	Uncoated
Lubrication Hole Type	Lubrication Groove & Hole
Outer Ring Width	35 mm
Dynamic Load Capacity	310000 N
Fillet Radius	2.1 mm
Static Load Capacity	325000 N
Series	213
TS	3.1
NSI	21314EAE4
LangID	1
TS	3.1
D	150
W	4.0
NSM rpm	5000
R	35
CAD	<a href="https://service.omega.com/maker_login.php?maker=NSK">https://service.omega.com/maker_login.php?maker=NSK</a> &lang=en&skin=maker_rbr/roller_bearings/spherical_rbr/cylindrical_ball_bearing.pr?bearat=STAB=PPS- (DBDPR-21314EAE4) - (DB-150) - (B-35.8) - (B-2.1) - (CR-110000) - (CR-132000) - (LT-4000) - (LM-5000) - (LG-1200) - (LG-4000) - (DA1-02) - (DA2-101.000) - (DA3-130) - (DA4-135) - (DA-2.8) - (E-0.22) - (Y2-4.8) - (Y3-3.1) - (Y9-3.8) - (W55-3.80)
da min	82
daTable	wcalc_MCS9H
d11 rpm	4000
TS	3
NSM	3
URS rpm	3200
ra	2
TSB rpm	4000
CO	325
NS	137.826
NS	3.1
Prod Type3	SMB_C10_CO
SI	4
SI2	0.47
SI3	13.99
r	0.22
RA	17.24
bomp	21314EAE4
Z	20
ALP1	22
ALP1	0
ALP2	0
D_a max	150
D_a min	150
YMS	21314EAE4
SPS	SPS
ALPHA	0.146
SPH	119.909
r	2.1
NSM	2130
SPM	3
SI	80.813
calc01	/bearingguide/html/calculation.jsp