

# 21316EAKE4 NSK 80x170x39mm Z\_19 Spherical roller bearings

Bearing number	21316EAKE4
Size (mm)	80x170x39
Brand	NSK
Bore Diameter (mm)	80
Outer Diameter (mm)	170
Width (mm)	39
d	80 mm
D	170 mm
B	39 mm
C	39 mm
r min.	2.1 mm
d <sub>a</sub> min.	92 mm
d <sub>e</sub> min.	109 mm
D <sub>e</sub> min.	146 mm
r <sub>a</sub> max.	2 mm
Weight	4.32 kg
Basic dynamic load rating (C)	284 kN
Basic static load rating (C <sub>0</sub> )	375 kN
(Grease) Lubrication Speed	2800 r/min
(Oil) Lubrication Speed	3600 r/min
Calculation factor (a)	0.23
Calculation factor (a <sub>1</sub> )	2.9
Calculation factor (a <sub>2</sub> )	4.4
Category	Spherical Roller Bearings
ISO Inventory	0-0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	4.32
EAN	805017641663
Product Group - NSI	804311
Internal Clearance	CO-Medium
Mounting Method	Adapter Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Tapered
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	HS16 (Specify bore)
Inch - Metric	Metric
Long Description	3099 Tapered Bore; 13099 Outside Diameter; 3099 Width; CO-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Adapter Part Number - HS16 (Specify bore)
Other Features (Category - NSI)	Order adapter or withdrawal sleeve or not separately. Others may be available
Category - NSI	Spherical Roller Bearing
UNSPSC	31171518
Harmonized Tariff Code	84823000
Room	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	21316EAKE4
Weight / LBS	9
Bore	3.15 Inch   80 Millimeter
Outside Diameter	6.693 Inch   170 Millimeter
Adapter Part Number	SM16 HS16 HS16 HE16 (Specify Bore) Inch   HS16 (Specify bore) Millimeter
Width	1.535 Inch   39 Millimeter
NSI	3
NSI#	21316EAKE4
Length	1
Y1	2.9
D	170
Y2	4.4
NSI# rpm	4000
B	39
CAD	<a href="https://service.web2cad.co.jp/pcnm/maker_login.php?maker=NSK&amp;NSIlanguage=j&amp;info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_wstlab.pr?variant=(STAB-HPS) (ORDER=21316EAKE4) (SH=39) (D=170) (B=39) (E=2.1) (CR1=355000) (CR2=375000) (L1=3000) (L2=4000) (L3=3000) (DA1=62) (DA2=109) (DA3=158) (DA4=146) (EA=2.0) (E=4.2) (Y2=4.4) (Y3=3.9) (Y4=2.9) (Y405=4.32)">https://service.web2cad.co.jp/pcnm/maker_login.php?maker=NSK&amp;NSIlanguage=j&amp;info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_wstlab.pr?variant=(STAB-HPS) (ORDER=21316EAKE4) (SH=39) (D=170) (B=39) (E=2.1) (CR1=355000) (CR2=375000) (L1=3000) (L2=4000) (L3=3000) (DA1=62) (DA2=109) (DA3=158) (DA4=146) (EA=2.0) (E=4.2) (Y2=4.4) (Y3=3.9) (Y4=2.9) (Y405=4.32)</a>
d <sub>a</sub> min	92
ISO	ecat_305PM
G1 rpm	3000
Y0	2.9
max	4.32
G5 rpm	3000
Y4	2
T0 rpm	3000
C0	375
DC	146.92
NSI	3
Prod_Type#	SMB_C16_19
X1	1
X2	0.67
S1#	13.65
w	0.23
NSI	18.74
comp	21316EAKE4
Z	19
ALF0	35
ALF1	8
ALF3	0
D <sub>a</sub> max	158
D <sub>e</sub> min	146
Y0#	21316EAKE4
SPS	105
ALPHA	0.15
SPM	139.79
F	2.1
NRNG	230
SRNG	3
IS	11.38
calcDr1	/bearingCalc/1167/calculation.jsp