

# 22216EAKE4 NSK Y0 3

## 80x140x33mm Spherical roller bearings

Bearing number	22216EAKE4
SKF code	80164033
Brand	NSK
Bore diameter (mm)	80
Outer diameter (mm)	140
Width (mm)	33
d	80 mm
D	140 mm
B	33 mm
C	33 mm
r min.	2 mm
da min.	90 mm
da max.	94 mm
Da min.	126 mm
Da max.	130 mm
ra max.	2 mm
Weight	2.01 Kg
Basic dynamic load rating (C)	232 kN
Basic static load rating (C0)	275 kN
(Greasel) Lubrication Speed	3200 r/min
(Oil) Lubrication Speed	4000 r/min
Calculation factor (a)	0.22
Calculation factor (V0)	3
Calculation factor (V2)	4.6
Category	Spherical Roller Bearings
BSI Symmetry	6.6
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	2.06
EAN	002017641311
Product Group - BCI	004311
Internal Clearance	C0-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
Rehrollable	Yes
Withdrawal Sleeve	H316 (Specify bore)
Inch - Metric	Metric
Long Description	80MM Tapered Bore; 140MM Outside Diameter; 33MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Rehrollable; Adapter Part Number - H316 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or not separately. Others may be available
Category - BCI	Spherical Roller Bearing
UNSPSC	31171010
Harmonized Tariff Code	84823000
Item	Spherical
Keyword String	Bearing
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	22216EAKE4
Weight / LB	2.08
width	
Bore	1.299 Inch   33 Millimeter
Outside Diameter	3.15 Inch   80 Millimeter
Adapter Part Number	5.532 Inch   140 Millimeter
SMW16 H316 H316 (Specify Bore) Inch   H316 (Specify bore) Millimeter	
bore diameter:	80 mm
max bore rpm:	4500 RPM
outside diameter:	140 mm
operating temperature range:	Maximum of +200 °C
overall width:	33 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	C0
precision rating:	RBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	33 mm
dynamic load capacity:	264000 N
fillet radius:	2 mm
static load capacity:	275000 N
series:	Y1
Y1	22216EAKE4
NSK Part	22216EAKE4
Length	1
Y1	3
D	140
Y2	4.6
Mecha rpm	6000
CAD	<a href="https://service.omega.co.jp/poc/maker_login.php?maker=NSK_R&amp;language=pin&amp;info=nsk_rb/roller_bearings/spherical_rb/tapered_rb_smtab-prjloc&amp;set={STAB=HPS},(C0BTR=22216EAKE4),(D=80),(D=140),(B=33.0),(B=2.0),(CR3=264000),(CR1=275000),(L1=4000),(LM=6000),(LG=3600),(L0=4500),(DA1=90),(DA2=94),(DA3=130),(DA4=126),(FA=2.0),(E=0.22),(Y2=4.6),(Y3=1.1),(Y3=3.0),(M35=2.0)1">https://service.omega.co.jp/poc/maker_login.php?maker=NSK_R&amp;language=pin&amp;info=nsk_rb/roller_bearings/spherical_rb/tapered_rb_smtab-prjloc&amp;set={STAB=HPS},(C0BTR=22216EAKE4),(D=80),(D=140),(B=33.0),(B=2.0),(CR3=264000),(CR1=275000),(L1=4000),(LM=6000),(LG=3600),(L0=4500),(DA1=90),(DA2=94),(DA3=130),(DA4=126),(FA=2.0),(E=0.22),(Y2=4.6),(Y3=1.1),(Y3=3.0),(M35=2.0)1</a>
da min	90
nsf2a1a	4500
G1 rpm	4500
Y0	3
max	2.01
GPS rpm	3600
ra	2
TRK rpm	4000
CO	275
DE...	137.038
H	1
Prod Type3	SMC,C10,TB
X1	1
X2	0.97
S2R	12.8
e	0.22
DA...	15.0
homo	22216EAKE4
Z	20
ALP2	20
ALP3	0
D_a max	130
D_a min	126
HPS	22216EAKE4
HPS	HPS
ALP0A	0.165
SRS	112.000
r	2
4000	2320
08C	22
02...	06.372
calcd1	/bearing/da/htm/calculation.jsp