

# 22216EAE4 NSK 80x140x33mm

## Mach rpm 6000 Spherical roller bearings

Bearing number	22216EAE4
Size (mm)	80x140x33
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
d <sub>a</sub> min.	80 mm
d <sub>a</sub> max.	84 mm
D <sub>a</sub> min.	138 mm
D <sub>a</sub> max.	138 mm
r <sub>a</sub> max.	2 mm
Weight	2.04 kg
Basic dynamic load rating (C)	211 kN
Basic static load rating (C <sub>0</sub> )	275 kN
(Grease) Lubrication Speed	3200 r/min
(Oil) Lubrication Speed	4000 r/min
Calculation factor (f <sub>d</sub> )	0.22
Calculation factor (f <sub>0</sub> )	3
Calculation factor (f <sub>2</sub> )	4.0
Category	Spherical Roller Bearings
ISO Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	2.1
SKU	002917641290
Product Group - ISO	044311
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
Multiscale Slaves	Not Applicable
Inch - Metric	Metric
Temp. Description	8000 Straight Bore; 14000 Outside Diameter; 3300 Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - ISO	Spherical Roller Bearing
HSN	317110
Harmonized Tariff Code	84823000
NSN	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	22216EAE4
Weight / LBS	2.1
Outside Diameter	5.512 Inch   140 Millimeter
Bore	3.15 Inch   80 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Width	1.299 Inch   33 Millimeter
bore diameter:	80 mm
maximum rpm:	4500 RPM
outside diameter:	140 mm
operating temperature range:	Maximum of +200 °C
overall width:	33 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	CO
precision rating:	BBC 1 (ISO Class Normal)
closure type:	Open
finish/condition:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	33 mm
dynamic load capacity:	264000 N
filler material:	2 mm
static load capacity:	275000 N
series:	222
YS	3.1
LangID	22216EAE4
YS	3.1
D	140
Y2	4.0
Mach rpm	6000
Q	13
CAD	<a href="https://service.ahb2ad.co.jp/conn/maker_login.php?maker=NSK_M61language=uk&amp;infoform=sk_rbr/roller_bearings/spherical_rbr/ylspherical_bore_washbar-17&amp;part=ST&amp;M=PPJ...">https://service.ahb2ad.co.jp/conn/maker_login.php?maker=NSK_M61language=uk&amp;infoform=sk_rbr/roller_bearings/spherical_rbr/ylspherical_bore_washbar-17&amp;part=ST&amp;M=PPJ...</a>
d <sub>a</sub> min	80
ISO 15	NSK
ISO 16	4500
ISO 17	3
ISO 18	2.0
ISO 19	3000
ISO 20	2
ISO 21	4000
ISO 22	275
ISO 23	127.458
ISO 24	1
Prod_Type3	SM_CTR_CO
XS	1
XZ	0.0
SCR	12.0
v	0.22
W	33.0
W2	22216EAE4
ALPS	28
ALPS	0
D <sub>a</sub> min	138
D <sub>a</sub> min	138
YS1	22216EAE4
YS	0.0
ALPHA	0.145
SM	112.405
F	2
SMG	222
SMG	22
BS	46.372
AS101	/BearingGuided/NSK/calculation.jsp