

22216EAKE4 NSK Y0 3

80x140x33mm Spherical roller bearings

Bearing number	22216EAKE4
SKF code	80116AZ3
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
Ds min.	130 mm
Ds max.	136 mm
ra max.	2 mm
Weight	2.01 Kg
Basic dynamic load rating (C)	232 kN
Basic static load rating (C0)	275 kN
(Grease) Lubrication Speed (rpm)	3200 /min
(Oil) Lubrication Speed (rpm)	4000 /min
Calculation factor (k)	0.22
Calculation factor (f0)	3
Calculation factor (Y)	4.6
Category	Spherical Roller Bearings
IS1 Dimensions	4.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	2.08
EAN	0020176411311
Product Group - IS1	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
Rehizable/Retirable	Yes
Withdrawable Slower	M216 (Specify bore)
Inch - Metric	Metric
Long Description	B2M Tapered Bore; 140MM Outside Diameter; 33MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Rehizable/Retirable; Adapter Part Number - H216 (Specify bore)
Other Features	Order adapter or withdrawl slower or not separately. Others may be available
Category - IS1	Spherical Roller Bearing
UNSPSC	31171030
Harmonized Tariff Code	94023000
Item	Spherical
Keyword String	Bearings
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22216EAKE4
Weight / LBS	2.08
width	
Bore	3.150 Inch 80 Millimeter
Outside Diameter	5.512 Inch 140 Millimeter
Adapter Part Number	SM216 H216 H216 (Specify Bore) Inch H216 (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:	BEC 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:	222
YS	3.1
NSK#s	22216EAKE4
LengthID	1
Y1	3
D	140
Y2	4.6
Mecha rpm	6000
X	3.0
CAD	https://service.omega2.ca.ca/pcn/maker_login.php?maker=NSK_R&Lang=en&url=info/mk_r/roller_bearings/spherical_rb/tapered_bore_adapter_projects-57AM-HP5 ; (DDDR-22216EAKE4) (DD-140) (D-140) (D-33.0) (B-2.0) (C0-264000) (C01-275000) (L1-4000) (LM-6000) (LG-3500) (LO-4500) (DA1-90) (DA2-94) (DA3-130) (DA4-120) (FA-2.0) (F-4.22) (Y2-4.6) (Y3-3.1) (Y4-3.0) (M216-2-B1)
da min	90
nsf/min	wcvt_M55M
G1 rpm	4500
Y0	3
max	2.01
G5 rpm	3500
ra	2
TKM rpm	4000
CD	275
DE	137.038
td	1
Prod Type3	SMC_C16_T8
X1	1
X2	0.07
SKR	12.8
e	0.22
DA	15.8
nskno	22216EAKE4
Z	20
ALP2	20
ALP3	8
ALP3	0
D_a max	130
D_a min	120
YBS	22216EAKE4
HPS	HPS
ALPMA	0.105
SR5	132.000
r	2
KBR6	2320
SR6	22
DE	98.372
calcdT	/bearingload.htm/calculation.jsp