22216EAE4 NSK 80x140x33mm Macha 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
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)	212 kN
Basic static load rating (C0)	275 kN
(Grease) Lubrication Speed	3200 r/min
(Oil) Lubrication Speed	4000 r/min
Calculation factor (e)	0.22
Calculation factor (Y0)	3
Calculation factor (Y2)	4.6
Category	Spherical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	2.1
EAN	0029176411298
Product Group - BDI	B04311
Internal Clearance	C0-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
Withdrawal Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	80MM Straight Bore; 140MM Outside Diameter; 33MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BDI	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	8482308B0
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
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:	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:	222
Y3	3.1
hidTobi	22216EAE4
LangID	1
Y1	3.1
D_	140
Y2	4.6
Macha rpm	6000
B_	33
CAD	https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=ja&info=nsk_rb/roller_bearings/spherical_rb/cylindrical_bore_asmtab.prj&varset={STAN=HPS}.{ORDER=22216EAE4}.{SD=80}.{D=140}.{B=33.0}.{R=2.0}.{CR1=264000}.{COR1=275000}.{LT=4000}.{LM=6000}.{LG=3600}.{LO=4500}.{DA1=90}.{DA2=94.000}.{DA3=130}.{DA4=126}.{RA=2.0}.{E=0.22}.{Y2=4.6}.{Y3=3.1}.{Y0=3.0}.{MASS=2.01}
da min	90
hidTable	ecat_NSSPMR
Oil rpm	4500
Y0	3
mass	2.01
GRS rpm	3600
ra	2
TSR rpm	4000
C0	275
DE_	127.638
X0	1
Prod_Type3	SRB_CTB_CB
X1	1
X2	0.67
SIR	12.8
e	0.22
DA_	15.8
bomp	22216EAE4
Z_	20
ALP2	20
ALP1	0
ALP3	0
D_a max	130
D_a min	126
yobi	22216EAE4
HPS	HPS
ALPHA_	0.145
SDM_	112.085
Z_	2
KBRG	2328
SBRG	22
DI_	96.372
calcUrl	/BearingGuide/html/calculation.jsp