22212EAKE4 NSK 60x110x28mm TSR rpm 5300 Spherical roller bearings

Bearing number	22212EAKE4
Size (mm)	60x110x28
Brand	NSK
Bore Diameter (mm)	60
Outer Diameter (mm)	110
Width (mm)	28
d	60 mm
D	110 mm
B	28 mm
C	28 mm
r min.	1.5 mm
da min.	69 mm
da max	72 mm
Da min	98 mm
Da max.	101 mm
ra max.	1.5 mm
Weight	1.1 Kg
Basic dynamic load rating (C)	142 kN
Basic static load rating (C0)	174 kN
(Grease) Lubrication Speed	4300 r/min
(Oil) Lubrication Speed	5300 r/min
Calculation factor (e)	0.23
Calculation factor (Y0)	2.9
Calculation factor (Y2)	4.4
Category	Spherical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	1.1
EAN	0029176411151
Product Group – BDI	B04311
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
Relubricatable	Yes
Withdrawal Sleeve	AHX312 (Specify bore)
Inch – Metric	Metric
Long Description	60MM Tapered Bore; 110MM Outside Diameter; 28MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number – H312 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Category – BDI	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	8482.1080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22212EAKE4
Weight / LBS	1.1
Width	1.102 Inch | 28 Millimeter
Outside Diameter	4.331 Inch | 110 Millimeter
Adapter Part Number	SNW12 H312 HA312 HE312 HS312 (Specify Bore) Inch | H312 (Specify bore) Millimeter
Bore	2.362 Inch | 60 Millimeter
bore diameter:	60 mm
maximum rpm:	6000 RPM
outside diameter:	110 mm
operating temperature range:	Maximum of +200 °C
overall width:	28 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring 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:	28 mm
dynamic load capacity:	178000 N
fillet radius:	1.5 mm
static load capacity:	174000 N
series:	222
Y3	3
hidYobi	22212EAKE4
LangID	1
Y1	2.9
D_	110
Y2	4.4
Macha rpm	8000
B_	28
CAD	https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=ja&info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_asmtab.prj&varset={STAN=MPS}.{ORDER=22212EAKE4}.{SD=60}.{D=110}.{B=28.0}.{R=1.5}.{CR1=178000}.{COR1=174000}.{LT=5300}.{LM=8000}.{LG=4800}.{LG=6000}.{DA1=69}.{DA2=72}.{DA3=101}.{DA4=98}.{RA=1.5}.{E=0.23}.{Y2=4.4}.{Y3=3.0}.{Y0=2.9}.{MASS=1.10}
da min	69
hidTaba	ecat_NCSPHR
Oil rpm	6000
Y0	2.9
mass	1.1
GRS rpm	4800
ra	1.5
TSR rpm	5300
C0	174
DE_	99.856
X0	1
Prod_Type3	SRB_CTB_TB
X1	1
X2	0.67
SIR	10.3
e	0.23
DA_	13.02
bomp	22212EAKE4
Z_	19
ALP2	38
ALP1	8
ALP3	0
D_a max	101
D_a min	98
yobi	22212EAKE4
MPS	HPS
ALPHA_	0.151
SDM_	86.983
r	1.5
KBRG	2328
SBRG	22
DI_	74.111
calcUrl	/BearingGuide/html/calculation.jsp