21309EAKE4 NSK hidYobi 21309EAKE4 45x100x25mm Spherical roller bearings

Bearing number	21309EAKE4
Size (mm)	45x100x25
Brand	NSK
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	25
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1.5 mm
da min.	54 mm
da max	65 mm
Da min	89 mm
Da max.	91 mm
ra max.	1.5 mm
Weight	0.96 Kg
Basic dynamic load rating (C)	119 kN
Basic static load rating (C0)	144 kN
(Grease) Lubrication Speed	4500 r/min
(Oil) Lubrication Speed	5600 r/min
Calculation factor (e)	0.23
Calculation factor (Y0)	2.8
Calculation factor (Y2)	4.3
Category	Spherical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.96
EAN	0029176410635
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	AH309 (Specify bore)
Inch – Metric	Metric
Long Description	45MM Tapered Bore; 100MM Outside Diameter; 25MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number – H309 (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	8482.10.80
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21309EAKE4
Weight / LBS	0
Outside Diameter	3.937 Inch | 100 Millimeter
Bore	1.772 Inch | 45 Millimeter
Adapter Part Number	SNW09 H309 HA309 HE309 (Specify Bore) Inch | H309 (Specify bore) Millimeter
Width	0.984 Inch | 25 Millimeter
Y3	2.9
hidYobi	21309EAKE4
LangID	1
Y1	2.8
D_	100
Y2	4.3
Macha rpm	9000
B_	25
CAD	https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=j&&info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_asmtab.prj&varset={STAN=MPS}.{ORDER=21309EAKE4}.{SD=45}.{D=100}.{B=25.0}.{R=1.5}.{CR1=149000}.{COR1=144000}.{LT=6000}.{LM=9000}.{LG=5000}.{LO=6300}.{DA1=54}.{DA2=65}.{DA3=91}.{DA4=89}.{RA=1.5}.{E=0.23}.{Y2=4.3}.{Y3=2.9}.{Y0=2.8}.{MASS=0.96}
da min	54
hidTable	wcat_NSSPMR
Oil rpm	6300
Y0	2.8
mass	0.96
GRS rpm	5000
ra	1.5
TSR rpm	6000
C0	144
DE_	90.316
X0	1
Prod_Type3	SRB_CTB_TB
X1	1
X2	0.67
SIR	9.45
e	0.23
DA_	11.8
bomp	21309EAKE4
Z_	19
ALP2	50
ALP1	8
ALP3	0
D_a max	91
D_a min	89
yobi	21309EAKE4
HPS	HPS
ALPHA_	0.154
SDM_	78.656
r	1.5
KBRG	2328
SBRG	3
DI_	66.996
calcUrl	/BearingGuide/html/calculation.jsp