21317EAKE4 NSK 85x180x41mm Calculation factor (e) 0.24 Spherical roller bearings

Bearing number	21317EAKE4
Size (mm)	85x180x41
Brand	NSK
Bore Diameter (mm)	85
Outer Diameter (mm)	180
Width (mm)	41
d	85 mm
D	180 mm
B	41 mm
C	41 mm
r min.	3 mm
da min.	99 mm
da max	108 mm
Da min	142 mm
Da max.	166 mm
ra max.	2.5 mm
Weight	5.2 Kg
Basic dynamic load rating (C)	289 kN
Basic static load rating (C0)	395 kN
(Grease) Lubrication Speed	2800 r/min
(Oil) Lubrication Speed	3600 r/min
Calculation factor (e)	0.24
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	5.25
EAN	0029176410932
Product Group - BDI	804311
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	AH317 (Specify bore)
Inch - Metric	Metric
Long Description	85MM Tapered Bore; 180MM Outside Diameter; 41MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number - H317 (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	8482.3080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21317EAKE4
Weight / LBS	5.25
Outside Diameter	7.087 Inch | 180 Millimeter
Width	1.614 Inch | 41 Millimeter
Bore	3.346 Inch | 85 Millimeter
Adapter Part Number	SNW17 H317 HA317 HE317 (Specify Bore) Inch | H317 (Specify bore) Millimeter
bore diameter:	85 mm
maximum rpm:	4000 RPM
outside diameter:	180 mm
operating temperature range:	Maximum of +200 °C
overall width:	41 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:	RBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	41 mm
dynamic load capacity:	360000 N
fillet radius:	3 mm
static load capacity:	395000 N
series:	213
Y3	2.9
hidYobi	21317EAKE4
LangID	1
Y1	2.8
D_	180
Y2	4.3
Macha rpm	5000
B_	41
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=HPS}.{OHDER=21317EAKE4}.{SD=85}.{D=180}.{B=41.0}.{R=3.0}.{CR1=360000}.{C0R1=395000}.{LT=3800}.{LH=5000}.{LG=3000}.{LO=4000}.{DA1=99}.{DA2=108}.{DA3=166}.{DA4=142}.{RA=2.5}.{E=0.24}.{Y2=4.3}.{Y3=2.9}.{Y0=2.8}.{MASS=5.20}
da min	99
hidTable	ecat_NSSPMR
Oil rpm	4000
Y0	2.8
mass	5.2
GRS rpm	3600
ra	2.5
TSR rpm	3800
C0	395
DE_	145.223
X0	1
Prod_Type3	SNB_CTB_TB
X1	1
X2	0.67
SIR	15.9
e	0.24
DA_	17.83
bomp	21317EAKE4
Z_	20
ALP2	55
ALP1	8
ALP3	0
D_a max	166
D_a min	142
yobi	21317EAKE4
HPS	HPS
ALPHA	0.156
SDM	127.609
r	3
KBRG	2328
SBRG	3
DI_	109.094
calcUrl	/BearingGuide/html/calculation.jsp