

# 22219EAKE4 NSK 95x170x43mm

## Manufacturer Item Number

### 22219EAKE4 Spherical roller bearings

Bearing number	22219EAKE4
Size (mm)	95x170x43
Brand	NSK
Bore Diameter (mm)	95
Outer Diameter (mm)	170
Width (mm)	43
d	95 mm
D	170 mm
B	43 mm
C	43 mm
r min.	2.1 mm
d <sub>h</sub> min.	107 mm
D <sub>h</sub> max.	152 mm
d <sub>e</sub> min.	152 mm
D <sub>e</sub> max.	158 mm
r <sub>s</sub> max.	2 mm
Weight	4.04 Kg
Basic dynamic load rating (C)	330 kN
Basic static load rating (C <sub>0</sub> )	450 kN
Greases	
Lubrication Speed	2600 r/min
(oil)	
Lubrication Speed	3400 r/min
Calculation factor (a <sub>1</sub> )	0.24
Calculation factor (a <sub>2</sub> )	2.4
Calculation factor (Y <sub>1</sub> )	4.3
Calculation factor (Y <sub>2</sub> )	
Category	Spherical Roller Bearings
NSI Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	4.10
SKU	00201241441
Product Group - NSI	04011
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
Rehurbatable	Yes
Withdrawal Sleeve	AW310 (Specify bore)
Inch - Metric	Metric
Long Description	NSK Tapered Bore; 170mm Outside Diameter; 43mm Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Rehubatable; Adapter Part Number - H310 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Category - NSI	Spherical Roller Bearing
DPNIC	31171510
Permitted Tariff Code	84023000
Head	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22219EAKE4
Weight / lbs	0
Width	1.693 Inch   43 Millimeter
Adapter Part Number	SMS19 H310 HA310 HE310 (Specify bore) Inch   H310 (Specify bore) Millimeter
Bore	3.74 Inch   95 Millimeter
Outside Diameter	6.693 Inch   170 Millimeter
bore diameter:	95 mm
outer ring type:	Not Split
outside diameter:	170 mm
internal clearance:	C0
overall width:	43 mm
lubrication hole type:	Oil Grooves And Holes In Outer Ring
bore type:	Tapered 1:10
cage material:	Steel
V1	0.8
nutfiles	22219EAKE4
LangID	1
V2	2.8
D	170
V3	4.3
Roller rpm	4500
B	43
CAD	https://service.webcad.co.jp/pcom/maker_login.php?maker=NSK_T&language=j&info=nsk_r/roller_bearings/spherical_r/tapered_bore_smb_ntb prj=nsk-22219EAKE4 ([D=95], [B=43], [B2=1], [C1=41.5000], [C2=43.0000], [L1=3000], [L2=3000], [L3=3000], [D3=107], [D3=115], [D3=130], [D4=132], [D5=2.0], [E=0.24], [F2=4.3], [F2=2.9], [F2=2.8], [DMS4=0.84])
dw min	107
nutfile	nsk_052908
d1 rpm	3000
D	170
nks	4.04
GS rpm	3000
ra	2
TSK rpm	3000
C0	450
DC	155.103
NS	1
Prod_Type3	SMB_CTB_18
X1	1
X2	0.63
S18	17.22
e	0.24
D4	107.5
bom	22219EAKE4
Z	20
ALP3	10
ALP1	8
ALP3	8
D <sub>e</sub> max	158
D <sub>e</sub> min	152
ydb1	22219EAKE4
MPS	MPS
ALPHA	0.156
SM	138.036
f	2.1
NSG	2320
SMG	22
S1	116.969
calcUrl	/bearingfile/AnsCalculation.jsp