

22209EAKE4 NSK 45x85x23mm

Manufacturer Name NSK

Spherical roller bearings

Bearing number	22209EAKE4
SKF (mm)	45x85x23
Brand	NSK
Bore diameter (mm)	45
Outer diameter (mm)	85
Width (mm)	23
d	45 mm
D	85 mm
B	23 mm
C	23 mm
r min.	1.1 mm
da min.	52 mm
da max.	54 mm
Da min.	75 mm
Da max.	78 mm
ra max.	1 mm
Weight	0.55 kg
Basic dynamic load rating (C)	94.5 kN
Basic static load rating (C0)	111 kN
(G)rated Lubrication Speed	5300 r/min
(D)LL Lubrication Speed	7000 r/min
Calculation factor (e)	0.25
Calculation factor (f0)	2.6
Calculation factor (f2)	3.9
Category	Spherical Roller Bearings
SKF Dimensional Manufacturer Name	NSK
Minimum Qty	N/A
Weight / Kilogram	0.558
EAN	0020176624315
Product Group - SKF	004311
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
Without Sleeve	ANSI (Specify bore)
Inch - Metric	Metric
Description	409 Tapered bore; 509M Outside Diameter; 209M Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number - K309 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Other Features - SKF	Spherical Roller Bearing
UNSPSC	31171010
Harmonized Tariff Code	84823000
Non	Bearing
Keyword string	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22209EAKE4
Weight / LBS	0.55
Bore	1.772 Inch 45 Millimeter
Width	0.906 Inch 23 Millimeter
Adapter Part Number	SMB09 K309 H4309 HE309 (Specify Bore) Inch K309 (Specify bore) Millimeter
Outside diameter	3.346 Inch 85 Millimeter
bore diameter:	45 mm
maximum rpm:	7500 RPM
outer diameter:	85 mm
operating temperature range:	Maximum of +200 °C
overall width:	23 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C3
precision rating:	BBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	23 mm
dynamic load capacity:	132000 N
ELLYSE radial:	1.1 mm
static load capacity:	111000 N
description:	222
Y3	2.7
nutID	22209EAKE4
lengthID	1
Y1	2.6
D	85
Y2	3.9
Width rpm	11000
B	23
URL	https://service.webcat.co.jp/proc/maker_login.php?maker=NSK_BM&language=&dirf=nsk_rb/roller_bearings/spherical_rb/tapered_bore_webcat_prj/bswret-CT5B-WP5 (B0E0h-22209EAKE4) (E0-07) (D=23.0) (D=1.1) (C0-110000) (C0L-110000) (L=14300) (LUN=11000) (LG=4800) (LO=7500) (DA1=52) (DA2=54) (DA3=78) (DA4=75) (DA=1) (E=0.25) (F0>3.9) (F0>2.7) (F0>2.6) (W0=0.55)
nutTable	ecat_M05090
ell rpm	7500
Y0	2.6
mass	0.55
lbs rpm	6000
Y4	1
Y0K rpm	6300
C0	111
SC	76.9
X0	1
Prod_Type3	SMB_C10_1B
X1	1
X2	0.47
SIR	0.31
DA	0.36
DA_	10.35
bomp	22209EAKE4
Z	10
ALP2	38
ALP1	9
ALP0	0
D_p_max	78
D_p_min	75
y001	22209EAKE4
HPS	195
ALPHA	0.168
SPM	66.696
e	1.1
K00G	2320
S00G	22
25	66.402
catID1	/bearingguide/res/calculation.js