

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	0-9
Manufacturer Name	NSK
Minimum Qty	N/A
Weight / Kilogram	0.558
EAN	0020176624315
Product Group - SKF	084311
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	ANS99 (Specify bore)
Inch - Metric	Yes
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 - H309 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
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Category - 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 H309 H4309 HE309 (Specify Bore) Inch H309 (Specify bore) Millimeter
Outside diameter	3.346 Inch 85 Millimeter
bore diameter:	45 mm
maximum rpm:	7500 RPM
outside 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:	HBC 1 (ISO Class Normal)
rating:	Open
closure type:	Uncoated
finish/coating:	Lubrication Groove & Hole
lubrication hole type:	23 mm
outer ring width:	23 mm
dynamic load capacity:	112000 N
static load capacity:	1.1 mm
static load capacity:	111000 N
description:	222
Y3	2.7
NSK ID	22209EAKE4
Y1	1
D	85
Y2	3.9
Mocha rpm	11000
B	23
URL	https://service.webcat.co.jp/prod/maker_login.php?maker=NSK_BMI&language=de&ref=nsk_rb/roller_bearings/spherical_rb/tapered_bore_webcat_prod&search=ST08+HPS1_080Eh-22209EAKE4_(D=45)_ (B=23)_ (b=1)_ (C3-110000)_ (C0L-110000)_ (L=1-0300)_ (LUN-110000)_ (LG-4000)_ (LO-7500)_ (DA1-52)_ (DA2-54)_ (DA3-78)_ (DA4-75)_ (DA-1)_ (E=0_2)_ (F=3_9)_ (F=2_7)_ (F0=2_6)_ (M0=0_95)
da min	52
da	54
d11 rpm	7500
Y0	2.6
mass	0.55
LD1 rpm	6000
Y4	1
Y0R rpm	6300
C0	111
SC	76.9
X0	1
Prod_Type3	SMB_C10_1B
X1	1
X2	0.47
S1K	0.31
DA	0.26
DA	10.35
bomp	22209EAKE4
Z	18
ALP2	38
ALP1	9
ALP0	8
D_p max	78
D_p min	75
y0b1	22209EAKE4
HPS	HPS
ALPNA	0.168
SPM	66.956
e	1.1
KBC	2320
SBC	22
IS	65.402
catID1	/bearingguide/real/calculation.js