

22209EAE4 NSK 45x85x23mm

Prod_Type3 SRB_CTB_CB

Spherical roller bearings

Bearing number	22209EAE4
NSK Item No.	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	111 kN
(C1) Greased Lubrication Speed	5300 r/min
(C11) Oil Lubrication Speed	7000 r/min
Calculation factor (e)	0.25
Calculation factor (Y)	2.4
Calculation factor (Y2)	2.0
Category	Spherical Roller Bearings
ISO Inventory	0-0
Manufacturer Name	NSK
Maximum Qty	N/A
Weight / Kilogram	0.55
Product Group - B1	060217091017
Internal Clearance	B4111
Mounting Method	C3-Medium Shaft Mount
Holling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Mitdrumfloss	Not Applicable
Inch - Metric	Metric
Long Description	45mm Straight Bore; 85mm Outside Diameter; 23mm Width; C3-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - B01	Spherical Roller Bearing
UNSC	311110
Normalized Tariff Code	84023000
Mean	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22209EAE4
Weight / LBS	0.55
Bore	1.772 Inch 45 Millimeter
Outside Diameter	3.346 Inch 85 Millimeter
Width	0.906 Inch 23 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
bore diameter:	45 mm
maximum rpm:	5300 RPM
outside diameter:	85 mm
operating temperature range:	Maximum of +200 °C
overall width:	23 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Emer Ring Guided
internal clearance:	C3
precision rating:	RBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	23 mm
dynamic load capacity:	11000 N
static load capacity:	11100 N
series:	222
YS	2.7
YdYN03	22209EAE4
Length	23
YS	2.7
D	85
YS	3.3
NSK rpm	11000
B	23
URL	https://service.webcat.co.jp/proc/maker_login.php?maker=NSK_&lang=en&id=info&_id=roller_bearings/spherical/_id/cylindrical_bore_omnib_pr&search=EST&M=SPS (ORDER=22209EAE4) (D=52) (D=51) (D=51.5) (D=51.1) (D=51.1000) (D=51.1200) (L=74.800) (D=11000) (CG=6000) (CB=7000) (BA=132) (BA2=54.000) (DA3=10) (DA4=75) (DA=1.0) (C=0.25) (C1=3.0) (C1=2.7) (C1=2.0) (DMS=9.50)
da min	52
daftable	weat_R05PRM
(C1) rpm	7000
YS	2.0
Mass	0.55
CGI rpm	5000
ra	1
TDR rpm	6100
CG	111
DE	70.9
XD	1
Prod_Type3	SRB_CTB_CB
K1	1
K2	0.07
SIR	0.04
A	0.25
DA	10.35
Temp	22209EAE4
Z	10
ALR2	10
ALF1	0
ALF2	0
D_a_max	78
D_a_min	75
YdN1	22209EAE4
SPS	SPS
ALP0	0.100
SIR	0.04
r	1.1
KBWG	2320
KBWG	22
DE	56.492
calcDr	/bearingguide/html/calculation.jsp