

22210EAE4 NSK 50x90x23mm Outer ring type: Not Split Spherical roller bearings

Bearing number	22210EAE4
Size (mm)	50x90x23
Brand	NSK
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Width (mm)	23
d	50 mm
D	90 mm
B	23 mm
C	23 mm
r min.	1.1 mm
da min.	52 mm
da max.	60 mm
Da min.	81 mm
Da max.	89 mm
ra max.	1 mm
Weight	0.61 Kg
Basic dynamic load rating (C1)	99 kN
Basic static load rating (C0)	119 kN
Lubrication Speed (Greas)	5000 r/min
Lubrication Speed (Oil)	6500 r/min
Calculation factor (e1)	0.24
Calculation factor (F0)	2.8
Calculation factor (F2)	4.3
Minimum Qty	N/A
Weight / Kilogram	0.6
SKF	002076443087
Category	Spherical Roller Bearings
SKF Dimensional	0.5
Manufacturer Name	NSK
Product Group - 00	004111
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	50mm Straight Bore; 50mm Outside Diameter; 23mm Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - 001	Spherical Roller Bearing
IMDPC	3117010
Harmonized Tariff Code	84029000
Mean	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22210EAE4
Weight / LBS	0.6
Bore	1.969 Inch 50 Millimeter
Width	0.906 Inch 23 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
bore diameter:	50 mm
maximum rpm:	11000 rpm
outside diameter:	90 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:	Inner Ring Guided
internal clearance:	C0
precision rating:	ABEC 1 (ISO Class Normal)
closure type:	Open
finish/condition:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	23 mm
dynamic load capacity:	124000 N
static load capacity:	110000 N
various:	222
YS	2.5
hdfh04	22210EAE4
Length	1
YS	2.5
D	90
YS	4.3
Max rpm	9100
B	23
CD	https://service.wmi2cat.co.jp/pc/maker_login.php?maker=NSK_HBLLanguage=j&lang=en&_r/roller_bearings/spherical/_r/yLondrca/_bore_start_bj/overat=ESTAM-HP3_(00208-22210EAE4)_CD=100_(0-23_0)_0+1_1_(03-124000)_C0=1-10000_(LH-P000)_LG=5000_(LD-7300)_DAI=17_(DA2-00.000)_DAI=03_(DAI=03)_DAI=1_03_(E=0.24)_CY=4_11_(CY=2_03)_CY=2_03_(0005=0.03)
da min	52
hdfh04	ecat_NCDPR
d11 rpm	7100
YS	2.5
max	0.61
CD rpm	5600
ra	1
TOR rpm	6000
CD	110
DC	81.007
XD	1
Prod_Type3	SMB_C10_C0
XS	1
XS	0.67
SIR	8.3
a	0.24
DA	10.53
bomp	22210EAE4
Z	10
ALP0	55
ALP1	8
ALP2	0
D_a max	83
D_a min	81
yms	22210EAE4
SPS	995
ALPHA	0.156
SP1	71.504
F	1.1
ABMG	2100
SRMG	22
YS	81.191
catdir1	/bearingguide/html/calculation.jsp