

# 22211EAKE4 NSK 55x100x25mm C0 144 Spherical roller bearings

Bearing number	22211EAKE4
Size (mm)	55x100x25
Brand	NSK
Bore Diameter (mm)	55
Outer Diameter (mm)	100
Width (mm)	25
d	55 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1.5 mm
da min.	64 mm
da max.	65 mm
Da min.	80 mm
Da max.	91 mm
ra max.	1.5 mm
Weight	0.81 kg
Basic dynamic load rating (C)	119 kN
Basic static load rating (C0)	144 kN
(Grease) Lubrication Speed	4500 r/min
(Oil) Lubrication Speed	5600 r/min
Calculation factor (e)	0.23
Calculation factor (F0)	2.8
Calculation factor (F2)	4.3
Category	Spherical Roller Bearings
ISO Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.81
EAN	692917611113
Product Group - ISO	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
Withdrawal Sleeve	ANS311 (Specify bore)
Inch - Metric	Metric
Long Description	55mm Tapered Bore; 100mm Outside Diameter; 25mm Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number - H311 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or not separately. Others may be available
Category - ISO	Spherical Roller Bearing
UNSPSC	31117510
Harmonized Tariff Code	84023000
NSN	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22211EAKE4
Weight / lbs	0.81
Width	0.984 Inch   25 Millimeter
Adapter Part Number	SMW1 H311 H311 HE311 (Specify Bore) Inch   H311 (Specify bore) Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
Bore	2.165 Inch   55 Millimeter
bore diameter:	55 mm
maximum rpm:	6700 RPM
outside diameter:	100 mm
operating temperature range:	Maximum of +200 °C
overall width:	25 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	RBEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	25 mm
dynamic load capacity:	140800 N
static load capacity:	144000 N
Y0	2.3
Y1	22211EAKE4
LangID	1
Y1	2.8
Y2	180
Y3	4.3
Y4	9000
Y5	25
URL	https://service.web2ad.co.jp/pcom/maker_login.php?maker=NSK_R&language=ja&info=nsk_&r/roller_bearings/spherical_rh/tapered_bore_xxtab.prj&srst=(STW-MPS).(M02B-22211EAKE4).(D0-55).(D-100).(B-25.4).(D-1.5).(C0-140800).(C01-144000).(L1-5300).(L2-9000).(L3-6700).(D1-64).(D2-65).(D3-91).(D4-89).(D5-1.5).(E-4.23).(Y-4.3).(Y2-9).(Y3-2.8).(Y4-9.81)
da_min	64
d1_min	wal_M02PM
d1_max	6700
d1_min	2.8
d1_max	0.31
d1_min	3300
da_max	1.5
da_min	5300
CP	144
DE	90.316
DE	1
DE	SMW_C01_TB
DE	1
DE	0.87
DE	9.85
DE	0.23
DE	11.8
DE	22211EAKE4
DE	50
ALP2	8
ALP1	8
ALP2	8
D_a_max	91
D_a_min	90
Y01	22211EAKE4
HPS	HPS
ALMA	0.154
SNR	78.656
r	1.5
KRG	2328
SBC	23
DE	66.996
calcUrl	/bearingguide/html/calculation.jsp