

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	692017611113
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	ANSI11 (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
Item	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 HE111 (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:	ABEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	25 mm
dynamic load capacity:	140000 N
static load capacity:	144000 N
Y0	2.3
Y1	22211EAKE4
Y2	1
Y3	2.8
Y4	100
Y5	4.3
Y6	0000
Y7	25
Y8	25
Y9	(https://service.webd.co.jp/pcon/maker_login.php?maker=NSK_R&language=ja&info=nsk_0/roller_bearings/spherical_rb/tapered_bore_xxtab.prj&srst=(STW-MPS)_(M02B-22211EAKE4)_(02-05)_(D=100)_(B=25.4)_(0=1.5)_(01=140000)_(01=144000)_(11=5300)_(L=9000)_(16=5300)_(10=6700)_(01=64)_(02=65)_(03=91)_(04=89)_(05=1.5)_(0=4.3)_(1=2.3)_(1=2.8)_(1=2.8)_(M02B-0.81))
da_min	64
d_min	55
d11_rpm	5600
d11	6700
d12	2.8
d13	0.81
d14_rpm	3300
d14	1.5
d15_rpm	5300
d15	144
d16	90.316
d17	1
d18	NSK_C0_10
d19	1
d20	0.87
d21	9.45
d22	0.23
d23	11.8
d24	22211EAKE4
d25	50
d26	8
d27	0
d28_max	91
d28_min	69
d29	22211EAKE4
d30	HPS
d31	0.154
d32	18.456
d33	1.5
d34	2328
d35	23
d36	66.906
d37	
calc01	/bearingguide/html/calculation.jsp