

# 22213EAKE4 NSK r 1.5 65x120x31mm Spherical roller bearings

Bearing number	22213EAKE4
ISO code	6513EAK11
Brand	NSK
Bore diameter (mm)	65
Outer diameter (mm)	120
Width (mm)	31
d	65 mm
D	120 mm
B	31 mm
C	31 mm
r min.	1.5 mm
da min.	74 mm
da max.	80 mm
Da min.	187 mm
Da max.	193 mm
ra max.	1.5 mm
Weight	1.51 Kg
Basic dynamic load rating (C)	177 kN
Basic static load rating (C0)	230 kN
(G-axes) Lubrication Speed (rpm)	3800 r/min
(H-axes) Lubrication Speed (rpm)	4800 r/min
Calculation factor (A)	0.24
Calculation factor (B)	2.7
Calculation factor (V)	4.2
Category	Spherical Roller Bearings
ISO Dimensions	65
Manufacturer Name	NSK
Minimum Qty	N/A
Weight / Kilogram	1.5
Product Group - BCI	8029176411199
Internal Clearance	CR-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	M133 (Specify bore)
Inch - Metric	Metric
Long Description	GSM Tapered Bore; 120mm Outside Diameter; 31mm Width; CR-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Adapter Part Number - M133 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or not separately. Others may be available
Category - BCI	Spherical Roller Bearing
UNSPSC	31171010
Harmonized Tariff Code	84823000
Item	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22213EAKE4
Weight / LBS	1.5
Adapter Part Number	M133 M133 M133 (Specify bore) Inch   M133 (Specify bore) Millimeter
Bore	2.559 Inch   65 Millimeter
Outer Diameter	4.724 Inch   120 Millimeter
bore diameter:	65 mm
max inner rgt:	5100 RPM
outside diameter:	120 mm
operating temperature range:	Maximum of +200 °C
overall width:	31 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	CR
precision rating:	RBC1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	31 mm
dynamic load capacity:	221000 N
fillet radius:	1.5 mm
static load capacity:	230000 N
series:	222
TI	2.2
ISO 9000	22213EAKE4
LengthID	1
Y1	2.7
B	120
Y2	4.2
Mecha rpm	7500
Q	31
CAD	<a href="https://service.omega.co.jp/psc/maker_login.php?maker=NSK_B&amp;language=en&amp;info=nsk_r/roller_bearings/spherical_rb/tapered_bore_adapter_projectset-STAN-HP5">https://service.omega.co.jp/psc/maker_login.php?maker=NSK_B&amp;language=en&amp;info=nsk_r/roller_bearings/spherical_rb/tapered_bore_adapter_projectset-STAN-HP5</a> ; (DD0R-22213EAKE4); (D0-05); (D-120); (B-31.0); (B-1.5); (CR1-221000); (CR0-230000); (L1-4000); (LM-7500); (LG-4300); (LD-5300); (DA1-74); (DA2-80); (DA3-111); (DA4-107); (EM-1.5); (E+0.24); (Y2-4.2); (Y2-8); (Y2-7); (M133-1.5)
da min	74
ISO 9000	omega NSK
G1 rpm	5100
Y0	2.7
max	1.51
G0 rpm	4100
ra	1.5
TKA rpm	4000
CD	230
DE	188.987
SI	1
Prod Type3	S&C C10, T8
X1	1
X2	0.67
SI2	12.18
e	0.24
DA	13.55
Item	22213EAKE4
Z	20
ALP2	7
ALP3	8
ALP4	0
D_a max	111
D_a min	187
MPS	22213EAKE4
MPS	MPS
ALP5	0.150
SI5	65.518
r	1.5
4000	2320
000	22
01	82.140
calcdT	/bearingdata/html/calculation.jsp