

**22213EAE4 NSK 65x120x31mm CAD**  
**[|                               |                           |
|-------------------------------|---------------------------|
| Bearing number                | 22213EAE4                 |
| Size \(mm\)                     | 65x120x31                 |
| Brand                         | NSK                       |
| Bore Diameter \(mm\)            | 65                        |
| Outer Diameter \(mm\)           | 120                       |
| Width \(mm\)                    | 31                        |
| d                             | 65 mm                     |
| D                             | 120 mm                    |
| B                             | 31 mm                     |
| r min.                        | 31 mm                     |
| da min.                       | 1.5 mm                    |
| da max.                       | 74 mm                     |
| Da min.                       | 80 mm                     |
| Da max.                       | 107 mm                    |
| ra max.                       | 111 mm                    |
| Weight                        | 1.5 kg                    |
| Basic dynamic load rating \(C\) | 177 kN                    |
| Basic static load rating \(C0\) | 238 kN                    |
| \(Grease\) Lubrication Speed    | 3800 r/min                |
| \(Oil\) Lubrication Speed       | 4800 r/min                |
| Calculation factor \(d\)        | 0.24                      |
| Calculation factor \(D\)        | 2.7                       |
| Calculation factor \(B\)        | 4.2                       |
| Category                      | Spherical Roller Bearings |
| ISO Inventory                 | 0-0                       |
| Manufacturer Name             | NSK                       |
| Minimum Qty                   | N/A                       |
| Weight / kilogram             | 1.5                       |](https://service.web2cad.co.jp/pcom/maker_login.php?Maker=NSK_RB&language=ja&info=nsk_rb/roller_bearings/spherical_rb/cylindrical_bore_asmtab.prj&varset={STAN=HPS}.{ORDER=22213EAE4}.{SD=65}.{D=120}.{B=31.0}.{R=1.5}.{CR1=221000}.{COR1=230000}.{LT=4800}.{LM=7500}.{LG=4300}.{LO=5300}.{DA1=74}.{DA2=80.000}.{DA3=111}.{DA4=107}.{RA=1.5}.{E=0.24}.{Y2=4.2}.{Y3=2.8}.{Y0=2.7}.{MASS=1.51} Spherical roller bearings</a></b>
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<div data-bbox=)**

Part	60217411113
Product Group - BEI	044111
Internal Clearance	CO-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
Mildsteel Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	6098 Straight Bore; 12098 Outside Diameter; 3298 Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BEI	Spherical Roller Bearing
UNSPSC	331210
Harmonized Tariff Code	84823000
Keycode	0000
Keyword String	Spherical
Manufacturer URL	http://www.mskamericas.com
Manufacturer Item Number	222130464
Weight / LBS	1.5
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Width	1.22 Inch   31 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Bore	2.559 Inch   65 Millimeter
bore diameter	65 mm
maximum rpm	5300 RPM
outside diameter	120 mm
operating temperature range	Maximum of +200 °C
overall width	31 mm
cage material	Steel
bore type	Straight
bearing material	Steel
outer ring type	Not Split
cage type	Inner Ring Guided
internal clearance	CO
precision rating	BEC 1 (ISO Class Normal)
closure type	Open
finish/coating	Uncoated
lubrication hole type	Lubrication Groove & Hole
outer ring width	31 mm
dynamic load capacity	23000 N
static load capacity	1.5 mm
filling factor	23000 N
series	222
Y3	2.8
Y2	1.1
Y1	222130464
Y0	1
X3	2.8
X2	120
X1	4.2
X0	7500
W	31
URL	<a href="https://service.web3ad.co.jp/pom/maker_login.php?maker=MSK_0861&amp;language=en&amp;infomark=rb/roller_bearings/spherical_rb/cylindrical_bore_wash_b_rjbarwest-STAB-0P5_(0000-222130464)_00-00-(0-120)-(0-31.0)-(0-1.5)_((01+222000) (00+230000) (01+4000) (0+7500) (0+4300) (0+3300) (04+74) (042+08.000) (043+111) (044+107) (04-1.5) (0+0.24) (12+4.2) (19+2.8) (00+2.7) (0055+1.5))">https://service.web3ad.co.jp/pom/maker_login.php?maker=MSK_0861&amp;language=en&amp;infomark=rb/roller_bearings/spherical_rb/cylindrical_bore_wash_b_rjbarwest-STAB-0P5_(0000-222130464)_00-00-(0-120)-(0-31.0)-(0-1.5)_((01+222000) (00+230000) (01+4000) (0+7500) (0+4300) (0+3300) (04+74) (042+08.000) (043+111) (044+107) (04-1.5) (0+0.24) (12+4.2) (19+2.8) (00+2.7) (0055+1.5))</a>
da_min	24
da_max	120
d11_rpm	5300
y0	2.7
msk	1.53
gds_rpm	4300
ra	1.5
tdk_rpm	4000
cd	280
de	188.907
de	1
Prod_Type3	580_C10_CA
x3	1
x2	0.67
x1	12.28
e	0.24
da	13.5
bore	222130464
z	28
ALP2	7
ALP1	9
ALP3	0
D_a_max	115
D_a_min	107
y0a	222130464
MP3	MP3
ALPMS	0.120
SM	05.528
r	1.5
KMS	2320
SMG	22
SI	01.149
calcUrl	/bearingGuidelines/calculation.jsp