

22214EAE4 NSK 70x125x31mm

operating temperature range: Maximum of +200 °C Spherical roller bearings

Bearing Number	22214EAE4
Size (mm)	70x125x31
Bore	NSK
Bore Diameter (mm)	70
Outer Diameter (mm)	125
Width (mm)	31
d	70 mm
D	125 mm
C	31 mm
r min.	1.5 mm
d1 min.	70 mm
d1 max.	64 mm
D1 min.	111 mm
D1 max.	116 mm
ra max.	1.5 mm
Weight	1.58 Kg
Basic dynamic load rating (C)	180 kN
Basic static load rating (C0)	232 kN
Grease Lubrication Speed (GSL)	3600 r/min
Oil Lubrication Speed	4500 r/min
Calculation factor (a)	0.23
Calculation factor (Y)	2.0
Calculation factor (Y2)	4.3
Category	Spherical Roller Bearings
BDI Inventory	0-0
Manufacturer Name	NSK
Minimum Qty	1/4
Quantity	1.63
Weight / Kilogram	1.58
DM	0001041112
Product Group - BDI	004311
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
Withdrawal Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	70MM Straight Bore; 125MM Outside Diameter; 31MM Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BDI	Spherical Roller Bearing
SDPSIC	31171210
Harmonized Tariff Code	84823000
NSN	681000
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22214EAE4
Weight / LBS	1.63
Width	1.22 Inch 31 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
Bore	2.756 Inch 70 Millimeter
bore diameter:	70 mm
maximum rpm:	5100 RPM
outside diameter:	125 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:	Roller Guided
internal clearance:	CO
precision rating:	PREC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	31 mm
dynamic load capacity:	222000 N
static load capacity:	232000 N
series:	222
Y3	2.0
Y2	4.3
Y1	2.0
Y0	7100
Y	31
CO	https://service.webcat.co.jp/psm/MakeLogin.php?Make=NSK&NSKLanguage=nl&form=rb/roller_bearings/spherical_rb/cylindrical_bore_ashab-grj&search=22214EAE4 (22209-22214EAE4) (120-70-125) (E=11.0) (E=1.5) (DR=222000) (CR=232000) (L7=4500) (L8=7100) (L9=4000) (L10=3300) (DAS=70) (DA2=64.000) (DA3=110) (DA4=111) (E=1.5) (E=2.31) (F2=4.3) (F3=2.0) (F4=0.5) (F5=1.58)
d1 min	70
ISO table	ISO
ISO rpm	5100
Y0	2.0
max	1.58
ISO rpm	4500
ra	1.5
ISO rpm	4500
CO	232
ISO	113.35
ISO	1
Prod. Speed	360 CO, CB
ISO	1
ISO	0.67
ISO	21.58
e	0.23
DA	14.24
ISO	22214EAE4
Z	20
ALP2	48
ALP1	0
ALP0	0
D_a max	116
D_a min	111
ISO	22214EAE4
ISO	8PS
ALPM	0.234
ISO	50.176
r	1.5
ISO	2220
ISO	22
ISO	05-483
calc01	/bearingGuide/tn/calculation.jsp