

22220EAE4 NSK 100x180x46mm maximum rpm: 3600 RPM Spherical roller bearings

Bearing number	22220EAE4
Esk (mm)	100/180/46
Brand	NSK
Bore Diameter (mm)	100
Outer Diameter (mm)	180
Width (mm)	46
d	100 mm
D	180 mm
B	46 mm
r min.	0.5 mm
da min.	112 mm
da max.	119 mm
Da min.	180 mm
Da max.	180 mm
ra max.	2 mm
Weight	4.58 kg
Basic dynamic load rating (C)	363 kN
Basic static load rating (C0)	490 kN
Grease Lubrication Speed (G1)	2400 r/min
Lubrication Speed (G1)	3200 r/min
Calculation Factor (e)	0.24
Calculation Factor (F0)	2.0
Calculation Factor (F2)	4.3
Category	Spherical Roller Bearings
ISO Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / kilogram	4.52
EAN	802017641489
Product Group - B01	B04311
Internal Clearance	CG-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Race Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Wide Jaw Slaves	Not Applicable
Inst. - Metric	Metric
Long Description	100MM Straight Bore; 180MM Outside Diameter; 46MM Width; CG-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - B01	Spherical Roller Bearing
HSFSC	31171510
Harmonized Tariff Code	84823000
Notes	Bearing
Keywords	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22220EAE4
Weight / LBS	9.92
Bore	3.937 Inch 100 Millimeter
Outside Diameter	7.087 Inch 180 Millimeter
Width	1.811 Inch 46 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
bore diameter:	100 mm
maximum rpm:	3600 RPM
outside diameter:	180 mm
operating temperature range:	Maximum of +200 °C
overall width:	46 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	CG
precision rating:	PREC 1 (ISO Class Normal)
closure type:	Open
finish/coat/cap:	Chromad
Lubrication hole type:	Lubrication Groove & Hole
outer ring width:	46 mm
dynamic load capacity:	455000 N
filler method:	2.1 mm
static load capacity:	490000 N
series:	222
VS	2.0
ISO	22220EAE4
LangID	2
D	180
B	46
MaxRpm	4300
B	46
ESD	https://service.us.nsk.com/lookup?token=NSK_US&language=uk&filter=nsk_roller_bearings/spherical_bearing/linear_bearing-22220EAE4-.00020-22220EAE4-.00100-(D-180)-(B-46)-(L-46)-(C1)-(F0000)-(L1-3600)-(L0-2000)-(L0-3600)-(DA-112)-(DA2-119.000)-(DA3-180)-(DA4-180)-(DB-2.0)-(L0-4.24)-(Y1-2.0)-(Y1-2.0)-(M015-4.84)
da min	112
ISOtable	enr_M03PM
ISO rpm	3600
ISO	2.0
max	4.58
ISO rpm	3600
ra	2
ISO rpm	3600
CG	100
CG	163.165
ISO	1
Prod System	998_C10_C0
X1	1
X2	0.57
X3	16.3
x	0.24
DA	20.0
Temp	22220EAE4
Z	19
ALP2	35
ALP3	0
ALP3	0
D_a max	180
D_a min	160
ym1	22220EAE4
MPS	MPS
ALPM	0.166
SDP	142.457
F	2.1
HM	2330
SDP	22
DE	121.81
calc101	/bearingguide/linear/calculation.jsp