

# 22218EAKE4 NSK D\_a max 150 90x160x40mm Spherical roller bearings

Bearing number	22218EAKE4
Size (mm)	90x160x40
Brand	NSK
Bore Diameter (mm)	90
Outer Diameter (mm)	160
Width (mm)	40
d	90 mm
D	160 mm
B	40 mm
C	40 mm
r min.	2 mm
da min.	100 mm
da max.	108 mm
Da min.	142 mm
Da max.	150 mm
ra max.	2 mm
Weight	3.3 Kg
Basic dynamic load rating (C)	289 kN
Basic static load rating (C0)	395 kN
Lubrication Speed (Greas)	2800 r/min
(Oil)	
Lubrication Speed	3600 r/min
Calculation factor (a)	0.24
Calculation factor (F0)	2.0
Calculation factor (F2)	4.3
Category	Spherical Roller Bearings
BSI Inventory	0 5
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	3.36
Part	002070411403
Product Group - BSI	094311
Internal Clearance	CO-Medium
Mounting Method	Adapter Mount
Bearing Element	Spherical Roller Bearing
Bore Profile	Tapered
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	HS318 (Specify bore)
Inch - Metric	Metric
Long Description	50MM Tapered Bore; 160MM Outside Diameter; 40MM Width; CO-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Number - HS38 (Specify bore)
Other Features	Order adapter or withdrawal sleeve or not separately. Others may be available
Category - BSI	Spherical Roller Bearing
UNSPSC	31171310
Harmonized Tariff Code	84823000
Mean	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	22218EAKE4
Weight / LBS	3.36
Adapter Part Number	50M18 HS18 HS318 HS318 (Specify bore) Inch   HS38 (Specify bore) Millimeter
Width	3.575 Inch   40 Millimeter
Outside Diameter	6.299 Inch   160 Millimeter
Bore	3.543 Inch   90 Millimeter
bore diameter:	90 mm
maximum rpm:	4800 rpm
outside diameter:	160 mm
operating temperature range:	Maximum of +200 °C
overall width:	40 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	CR
precision rating:	ABEC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	40 mm
dynamic load capacity:	360000 N
fatigue failure:	2 mm
static load capacity:	395000 N
series:	222
YS	2.5
RadPsk	22218EAKE4
LengthD	4
YS	2.5
D	160
YS	4.3
MaxC rpm	5000
B	40
CAD	<a href="https://service.web2cad.co.jp/pcse/maker_login.php?maker=NSK_&amp;language=j&amp;info=nsk_r/roller_bearings/spherical_rb/tapered_bore_ambab_r/series=STAB-HP&amp;.ORDER=22218EAKE4">https://service.web2cad.co.jp/pcse/maker_login.php?maker=NSK_&amp;language=j&amp;info=nsk_r/roller_bearings/spherical_rb/tapered_bore_ambab_r/series=STAB-HP&amp;.ORDER=22218EAKE4</a>
da min.	100
RadTable	ecat_R55PMB
G1 rpm	4800
YS	2.5
max	3.3
G5 rpm	3200
a	2
TSR rpm	3600
CO	395
SK	155_153
JD	1
Prod_Type3	SRB_C16_18
KL	4
K2	0.47
SIR	35.9
A	0.24
SK	17.43
bom	22218EAKE4
Z	20
ALP2	55
ALP1	8
ALP3	0
D_a_max	150
D_a_min	142
YMS	22218EAKE4
ALPHA	0.156
SM	137.469
e	2
KMG	2328
SMG	22
SK	100.004
cat001	/bearingguide/html/calculation.jsp