

22218EAE4 NSK 90x160x40mm outside diameter: 160 mm Spherical roller bearings

Bearing number	22218EAE4
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.	180 mm
Da min.	142 mm
Da max.	150 mm
ra max.	2 mm
Weight	2.3 kg
Basic dynamic load rating (C)	280 kN
Basic static load rating (C0)	395 kN
(Grease) Lubrication Speed	2000 r/min
(Oil) Lubrication Speed	3500 r/min
Calculation factor (e)	0.24
Calculation factor (f0)	2.0
Calculation factor (f1)	4.3
Category	Spherical Roller Bearings
ISO Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / kilogram	3.4
EAN	002017641100
Product Group - ISO	084111
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
Without Slits	Not Applicable
Inch - Metric	Not Applicable
ISO Description	90MM Straight Bore; 160MM Outside Diameter; 40MM Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - ISO	Spherical Roller Bearing
UNSPSC	31172510
Harmonized Tariff Code	04023000
NSN	68100000
Keyword String	Bearing
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	22218EAE4
Weight / LBS	3.4
Width	1.575 Inch 40 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Bore	3.543 Inch 90 Millimeter
bore diameter:	90 mm
maximum rpm:	4000 RPM
outside diameter:	160 mm
operating temperature range:	Maximum of +200 °C
overall width:	40 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
lubrication:	Oil/Grease
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	40 mm
dynamic load capacity:	300000 N
static load capacity:	2 mm
fatigue load capacity:	300000 N
series:	222
YS	2.0
ISO	22218EAE4
length:	1
YS	2.0
D	160
YS	4.3
max rpm	3000
B	40
CAD	https://service.web2cad.ca:3300cmaker_login.php?maker=NSK_KBA&language=jablonfomsk_rb/roller_bearings/spherical_rb/cylindrical_bore_walab.prj&user=STAN-OPS (C0R0N-22218EAE4) (C0-00) (D=160) (B=40) (S) (R=2) (S) (C0S=300000) (C0R1=30000) (L1=3000) (L0=5000) (L0=4000) (D01=160) (D02=160.000) (D03=150) (D04=142) (D0=2) (S) (C=0-24) (Y2=4-3) (Y3=2-0) (Y0=3-0) (R0=3-0)
da min	100
ISO	ecol_NSKPM
Oil rpm	4000
YS	2.0
max	3.3
ISO rpm	3200
ra	2
ISO rpm	3000
CO	395
ISO	345-223
X0	1
Prod_Type3	180_C10_CO
X1	1
X2	0.47
SIR	15.0
H	0.25
DA	17.83
hump	22218EAE4
Z	20
ALP0	55
ALP1	8
ALP2	8
D_n_max	150
D_n_min	142
ISO	22218EAE4
HPS	HPS
ALP0A	0.156
ISO	137-400
r	2
NSRC	2320
NSRC	22
SI	100.084
calcURL	/BearingGuide.html?calculation=no