

# 21316EAE4 NSK yobi 21316EAE4 80x170x39mm Spherical roller bearings

Bearing number	21316EAE4
Size (mm)	80x170x39
Brand	NSK
Bore Diameter (mm)	80
Outer Diameter (mm)	170
Width (mm)	39
d	80 mm
D	170 mm
B	39 mm
r min.	2.1 mm
da min.	92 mm
Da min.	169 mm
Da max.	169 mm
ra max.	2 mm
Weight	4.32 Kg
Basic dynamic load rating (C)	284 kN
Basic static load rating (C0)	375 kN
Lubrication Speed (Grease)	2800 r/min
Lubrication Speed (Oil)	3600 r/min
Calculation factor (f1)	0.23
Calculation factor (f2)	2.9
Calculation factor (f3)	4.4
Category	Spherical Roller Bearings
ISO Inventory	0-0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	4.4
Product Group - NSI	002017040549
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
Withstand Sleeve	Not Applicable
Inch - Metric	Metric
Temp Description	3000 Straight Bore; 170mm Outside Diameter; 3000 Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - NSI	Spherical Roller Bearing
UNSC	3171510
Normalized Traffic Code	04020000
NSM	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	21316EAE4
Weight / LBS	4.4
Outside Diameter	6.693 Inch   170 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
Bore	3.15 Inch   80 Millimeter
Width	1.535 Inch   39 Millimeter
Bore diameter: maximum rpm:	80 mm 3000 RPM
Roller diameter:	170 mm
Operating temperature range:	Maximum of +200 °C
overall width cage material:	39 mm Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Roller Guided
internal clearance:	CO
precision rating:	P0EC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	39 mm
dynamic load capacity:	355000 N
fillet radius:	2.1 mm
static load capacity:	375000 N
series:	213
TS	3
NSI/NSI	21316EAE4
LangID	1
TS	3
D	170
W	4.4
Metric rpm	3000
R	39
CAD	<a href="https://service.omega.com/jsp/cm/maker_login.zsp?maker=NSK&amp;RBLlanguage=j&amp;miniform=rb/roller_bearings/spherical_rb/ry/lead/ical_bore_metal.pr?bearst=STAB-HP5-(0R0P-21316EAE4)-(CO-M0)-(0-170)-(0-39-3)-(0-2-1)-(C0-355000)-(C0R-375000)-(LT-3000)-(LM-0000)-(LG-0000)-(DA1-02)-(DA2-100-000)-(DA3-150)-(DA4-144)-(DA-2-0)-(0-0-213)-(Y0-3-0)-(Y0-2-0)-(M055-4-32)">https://service.omega.com/jsp/cm/maker_login.zsp?maker=NSK&amp;RBLlanguage=j&amp;miniform=rb/roller_bearings/spherical_rb/ry/lead/ical_bore_metal.pr?bearst=STAB-HP5-(0R0P-21316EAE4)-(CO-M0)-(0-170)-(0-39-3)-(0-2-1)-(C0-355000)-(C0R-375000)-(LT-3000)-(LM-0000)-(LG-0000)-(DA1-02)-(DA2-100-000)-(DA3-150)-(DA4-144)-(DA-2-0)-(0-0-213)-(Y0-3-0)-(Y0-2-0)-(M055-4-32)</a>
NSI Table	wal_NSCHP
D11 rpm	3000
TS	2.1
NSI	4.32
URS rpm	3000
ra	2
TSR rpm	3000
CO	375
NSI	146.32
NSI	1
Prod Type3	SRB_C10_CB
RS	0
RS	0.47
SIR	15.95
r	0.21
RA	18.74
bump	21316EAE4
Z	19
ALP1	35
ALP1	0
ALP1	0
D_w_max	158
D_w_min	146
yMS	21316EAE4
MS	MS
ALPHA	0.15
SPH	129.79
r	2.1
NSI	213
SPH	3
NSI	111.26
calc01	/bearingguide/html/calculation.jsp