

21315EAE4 NSK D_a max 148

75x160x37mm Spherical roller bearings

Bearing number	21315EAE4
Size (mm)	75x160x37
Brand	NSK
Bore Diameter (mm)	75
Outer Diameter (mm)	160
Width (mm)	37
d	75 mm
D	160 mm
B	37 mm
C	37 mm
r min.	2.1 mm
da min.	87 mm
da max.	181 mm
Da min.	156 mm
Da max.	148 mm
ra max.	2 mm
Weight	0.64 kg
Basic dynamic load rating (C)	250 kN
Basic static load rating (CO)	325 kN
Lubrication Speed (Grease)	3000 r/min
Lubrication Speed (Oil)	3000 r/min
Calculation factor (f0)	0.22
Calculation factor (f1)	3
Calculation factor (f2)	4.4
Category	Spherical Roller Bearings
ISO Inventory	0-0
Manufacturer Name	NSK
Minimum Qty	N/A
Weight / kilogram	0.64
Product Group - ISO	00411
Internal Clearance	CO-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Method	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withstand Sleeve	Not Applicable
Inch - Metric	Metric
Temp Description	7500 Straight Bore; 16000 Outside Diameter; 3700 Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - ISO	Spherical Roller Bearing
UNSC	3171510
Normalized Traffic Code	0402000
Icon	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21315EAE4
Weight / LBS	0
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Width	1.457 Inch 37 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
Bore	2.953 Inch 75 Millimeter
Bore diameter: maximum rpm:	75 mm 4000 RPM
Roller diameter:	160 mm
Operating temperature range:	Maximum of +200 °C
overall width:	37 mm
cage material:	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:	37 mm
dynamic load capacity:	310000 N
fillet radius:	2.1 mm
static load capacity:	325000 N
series:	213
ISO	317
ISO/ANSI	21315EAE4
LangID	1
TS	3.1
D	160
W	4.0
MaxW rpm	5000
W	37
CAD	https://service.omega.com/omega/login.php?maker=nsk &lang=en&skin=omega_rbr/roller_bearings/spherical_rbr/cylindrical_bore_method.prj&search=STAB-HP3- (DR01P-21315EAE4)- (D-7)- (D-160)- (B-37)- (D-2)- (C1)- (C10000)- (C101-325000)- (LT-4000)- (LM-5000)- (LG-1200)- (LD-4000)- (DA1-07)- (DA2-101-000)- (DA3-140)- (DA4-134)- (DA-2)- (D-0)- (D-2)- (D2-4-0)- (Y9-3-1)- (Y9-3-0)- (M55-3-04)
da min	87
ISO/ANSI	omega_2C0PH
D11 rpm	4000
TS	3
Max	3.64
URS rpm	3200
ra	2
ISO rpm	4000
CO	325
US	137.026
MS	1
Prod Type3	SMB_C10_CB
SI	0
X2	0.47
SIR	13.99
ra	0.22
DA	17.04
bump	21315EAE4
Z	20
ALP1	22
ALP2	0
ALP3	0
D_a max	148
D_a min	134
YMS	21315EAE4
MPS	MPS
ALPHA	0.146
SPP	119.909
Z	2.1
K9G	2120
S9G	3
SI	302.913
calc01	/bearingguide/html/calculation.asp