

21318EAE4 NSK Enclosure Open

90x190x43mm Spherical roller bearings

Bearing number	21318EAE4
Size (mm)	90x190x43
Brand	NSK
Bore Diameter (mm)	90
Outer Diameter (mm)	190
Width (mm)	43
d	90 mm
D	190 mm
B	43 mm
C	43 mm
r min.	3 mm
d _a min.	104 mm
d _a max.	115 mm
D _a min.	157 mm
D _a max.	176 mm
r _a max.	2.5 mm
Weight	6.1 kg
Basic dynamic load rating (C)	330 kN
Basic static load rating (C ₀)	450 kN
Lubrication Speed (Grease)	2600 r/min
(Oil)	3400 r/min
Calculation factor (a)	0.24
Calculation factor (f ₀)	2.0
Calculation factor (Y)	4.3
Category	Spherical Roller Bearings
BSI Inventory	0.6
Manufacturer Name	NSK
Minimum Qty	N/A
Weight / Kilogram	6.2
SKF	6020176410955
Product Group - BSI	804311
General Clearance	C0-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
Reinducible	Yes
Withdrawal Slange	Not Applicable
Size - Metric	Metric
Long Description	100MM Straight Bore; 100MM Outside Diameter; 43MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Reinducible
Category - BSI	Spherical Roller Bearing
UNSPSC	31173110
Harmonized Tariff Code	84823000
Notes	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21318EAE4
Weight / LBS	0
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outside Diameter	7.48 Inch 190 Millimeter
Bore	3.543 Inch 90 Millimeter
Width	1.693 Inch 43 Millimeter
V3	2.9
ISO9001	21318EAE4
Length	1
V1	2.9
B	1.69
V2	4.3
Max RPM	4500
C	42
CAD	https://service.omega2d.co.jp/pom/maker_login.php?maker=NSK_H&language=j&info=nsk_rb/roller_bearings/spherical_rb/cylindrical_bore_assembly.prj&srch=3180-0P51::(OR)E=21318EAE4::(D=90)::(D=180)::(B=43.0)::(B=3.0)::(C3=413000)::(C3=453000)::(L1=3000)::(L2=5000)::(L3=3000)::(DA=104)::(DA2=115.000)::(DA3=176)::(DA4=152)::(DA=2.5)::(D=4.3)::(Y3=2.0)::(Y3=2.0)::(W55=6.100)
d _a min	104
ISO9001	21318EAE4
D ₁ mm	3000
V9	2.0
max	0.1
ISO rpm	2000
r _a	2.5
ISO rpm	2000
C ₀	450
ISO	155,183
ISO	1
Prinr Type3	SMB, CTR, CB
K1	1
K2	0.67
ISO	17.22
e	0.24
DA	19.1
ISO	21318EAE4
Z	20
ALF3	55
ALF1	0
ALF3	0
D _a max	176
D _a min	152
ynb	21318EAE4
ISO	195
ALPM	0.100
ISO	136,636
r	3
ISO	2320
ISO	3
ISO	116,300
calc1	/bearingguide/steel/calculation.jsp