

21309EAE4 NSK X1 1

45x100x25mm Spherical roller bearings

Bearing number	21309EAE4
SKF (mm)	45x100x25
Brand	NSK
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	25
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1.5 mm
da min.	54 mm
da max.	65 mm
Da min.	89 mm
Da max.	92 mm
ra max.	1.5 mm
Weight	0.96 Kg
Basic dynamic load rating [C1]	119 kN
Basic static load rating	144 kN
(C0)	144 kN
Lubrication Speed	4500 r/min
(D1)	
Lubrication Speed	5000 r/min
Calculation factor (e)	0.23
Calculation factor (Y)	2.8
Calculation factor (Y2)	4.3
Category	Spherical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	NSK
Maximum Buy Quantity	N/A
Weight / Kilogram	0.955
EAN	69021741011
Product Group - BDI	04411
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
Mitdrinnen-Schne	Not Applicable
Inch - Metric	Metric
Long Description	45MM Straight Bore; 100MM Outside Diameter; 25MM Width; CO-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category - BDI	Spherical Roller Bearing
UNSC	311110
Harmonized Tariff Code	84823000
Mean	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.nskamericas.com
Manufacturer Item Number	21309EAE4
Weight / LBS	0
Outside Diameter	3.937 Inch 100 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Width	0.984 Inch 25 Millimeter
Bore	1.772 Inch 45 Millimeter
bore diameter:	45 mm
maximum rpm:	4500 RPM
outside diameter:	100 mm
operating temperature range:	Maximum of +200 °C
overall width:	25 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Emer-Ring Guided
internal clearance:	CO
precision rating:	PREC 1 (ISO Class Normal)
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	25 mm
dynamic load capacity:	140000 N
static load capacity:	170000 N
series:	212
YS	2.0
YS2	2.0
D	100
YS	4.3
Weight rpm	9000
B	25
URL	https://service.webcat.co.jp/proc/maker_login.php?maker=NSK_NBS&language=de&infoma_r/roller_bearings/spherical_r/ty/landrical_bore_omnib_pr&search=STAN-WPS_ (ORDER=21309EAE4) (D=45) (B=25) (C)=X1 (C0)=140000 (C1)=140000 (L1)=4000 (L2)=5000 (D)=100 (D1)=140 (D2)=45.000 (D3)=11 (D4)=80 (D5)=1.5 (C)=2.23 (C1)=4.3 (C2)=3 (C3)=2.8 (DMS)=9.80) (DMS)=9.80
da min	54
daftable	ecat_WSPRM
D11 rpm	5200
Y0	2.8
M01	0.95
GM rpm	5000
ra	1.5
T01 rpm	6000
C0	144
D1	60.316
M0	1
Prod_Type	SRS_C10_C0
R1	1
R2	0.67
S01	0.40
A	0.23
DA	11.8
Temp	
Z	10
ALF2	50
ALF1	8
ALF3	0
D_a_max	91
D_a_min	89
Y01	21309EAE4
WPS	WPS
ALF0	0.154
S02	78.658
r	1.5
WPS	2328
WPS	1
D1	66.996
calc01	/bearingguide/html/calculation.jsp