

# 22219EAE4 NSK SBRG 22

## 95x170x43mm Spherical roller bearings

Bearing number	22219EAE4
Size (mm)	95x170x43
Brand	NSK
Bore Diameter (mm)	95
Outer Diameter (mm)	170
Width (mm)	43
d	95 mm
D	170 mm
B	43 mm
C	43 mm
r min.	2.1 mm
da min.	107 mm
da max.	115 mm
Da min.	152 mm
Da max.	158 mm
ra max.	2 mm
Weight	4.08 kg
Basic dynamic load rating (C)	130 kN
Basic static load rating (C0)	450 kN
(Grease) Lubrication Speed	2000 r/min
(Oil) Lubrication Speed	3400 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	4.2
EAN	002017641427
Product Group - ISO	084311
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 Shock	Not Applicable
ISO - Metric Description	22219 Straight Bore; 130kN Outside Diameter; 450kN Static Load; 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	84823000
NSN	31100000
Keyword String	Spherical
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	22219EAE4
Weight / LBS	4.2
Bore	3.74 Inch   95 Millimeter
Adapter Part Name	Not Applicable Inch   Not Applicable Millimeter
Outside Diameter	6.693 Inch   170 Millimeter
Width	1.693 Inch   43 Millimeter
bore diameter:	95 mm
maximum rpm:	3000 RPM
outside diameter:	170 mm
operating temperature range:	Maximum of +200 °C
overall width:	43 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:	43 mm
dynamic load capacity:	410000 N
static load capacity:	2.1 mm
series:	222
NS	2.0
NSR	22219EAE4
NSR1	1
NSR2	2.0
NSR3	370
NSR4	4.3
NSR5	4500
NSR6	43
NSR7	107
NSR8	130
NSR9	152
NSR10	158
NSR11	2
NSR12	2
NSR13	3000
NSR14	450
NSR15	550-553
NSR16	1
NSR17	580-CTH_CO
NSR18	1
NSR19	0.47
NSR20	17.22
NSR21	8.24
NSR22	19.3
NSR23	22219EAE4
NSR24	20
NSR25	55
NSR26	8
NSR27	8
NSR28	150
NSR29	152
NSR30	22219EAE4
NSR31	8PS
NSR32	0.156
NSR33	130-516
NSR34	2.1
NSR35	2320
NSR36	22
NSR37	116-069
NSR38	/BearingGuide/html/calculation.jsp