



Tapered Bore

Bearing No. 22209EAKE4

e	0.26
d	45 mm
B	23 mm
D	85 mm
C	23 mm
r	1.1
Y2	3.9
D_	85
Y1	2.6
Z_	18
B_	23
Y0	2.6
ra	1
C0	111
X0	1
X1	1
X2	0.67
Y3	2.7
DI_	56.492
DA_	10.35
HPS	HPS
SIR	8.91
DE_	76.9
mass	0.55
ALP3	0
ALP1	9
ALP2	38
SDM_	66.696
bomp	22209EAKE4
yobi	22209EAKE4

SBRG	22
KBRG	2328
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	0.906 Inch 23 Millimeter
Da min	75 mm
da max	54 mm
UNSPSC	31171510
ALPHA_	0.168
Weight	0,55 Kg
r min.	1,1 mm
LangID	1
da min	52
da min.	52 mm
GRS rpm	6000
Oil rpm	7500
hidYobi	22209EAKE4
TSR rpm	6300
series:	222
D_a min	75
Da max.	78 mm
D_a max	78
ra max.	1 mm
hidTable	ecat_NSSPHR
Category	Spherical Roller Bearing
Size (mm)	45x85x23
Inventory	0.0
Enclosure	Open
Macha rpm	11000
bore type:	Tapered 1:12
cage type:	Inner Ring Guided

Width (mm)	23
Prod_Type3	SRB_CTB_TB
maximum rpm:	7500 RPM
Bore Profile	Tapered
Weight / LBS	0.55
Inch - Metric	Metric
closure type:	Open
Cage Material	Steel
Product Group	B04311
Bearing number	22209EAKE4
overall width:	23 mm
cage material:	Steel
Relubricatable	Yes
fillet radius:	1.1 mm
Keyword String	Spherical
bore diameter:	45 mm
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Mounting Method	Adapter Mount
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
outer ring type:	Not Split
Long Description	45MM Tapered Bore; 85MM Outside Diameter; 23MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Num
Outside Diameter	3.346 Inch 85

	Millimeter
Manufacturer URL	http://www.nskamericas.com
outside diameter:	85 mm
Manufacturer Name	NSK
outer ring width:	23 mm
Withdrawal Sleeve	AH309 (Specify bore)
Weight / Kilogram	0.558
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
Internal Clearance	C0-Medium
Bore Diameter (mm)	45
Adapter Part Number	SNW09 H309 HA309 HE309 (Specify Bore) Inch H309 (Specify bore) Millimeter
Outer Diameter (mm)	85
internal clearance:	C3
Minimum Buy Quantity	N/A
static load capacity:	111000 N
dynamic load capacity:	118000 N
Harmonized Tariff Code	84823080
lubrication hole type:	Lubrication Groove & Hole
Calculation factor (e)	0,25
Calculation factor (Y2)	3,9
Calculation factor (Y0)	2,6
(Oil) Lubrication Speed	7000 r/min
Manufacturer Item Number	22209EAKE4
Number of Rows of Rollers	Double Row
(Grease) Lubrication Speed	5300 r/min

operating temperature range:	Maximum of +200 °C
Basic static load rating (C0)	111 kN
Basic dynamic load rating (C)	94,5 kN