



# American Bearing Co., Ltd



## 22209CK Self Aligning Roller Bearing 45 × 85 × 23mm

Bearing No. 6018

6018 Bearing 2D drawings and 3D CAD models

Size	90x140x24 mm
Bore Diameter	90 mm
Outer Diameter	140 mm
Width	24 mm
d	90 mm
D	140 mm
B	24 mm
C	24 mm
r min.	1,5 mm
da min.	98 mm
da max	103 mm
Da max.	132 mm
ra max.	1,5 mm
Weight	1,19 Kg
Basic dynamic load rating (C)	58 kN
Basic static load rating (C0)	50 kN
(Grease) Lubrication Speed	4 800 r/min
(Oil) Lubrication Speed	5 600 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	1.226
EAN	0029176013287
Product Group	B00308



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Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	90MM Bore; 140MM Outside Diameter; 24MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	6018
Weight / LBS	1.17
Outer Race Width	0.945 Inch   24 Millimeter
Bore	3.543 Inch   90 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
bore diameter:	90 mm
static load capacity:	50000 N
outside diameter:	140 mm
precision rating:	ABEC 1 (ISO Class Normal)
overall width:	24 mm



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finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	24 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	1.5 mm
internal clearance:	C0
maximum rpm:	5600 RPM
operating temperature range:	Maximum of +250 ° F
series:	60
dynamic load capacity:	58000 N
SRI	7.8
hidYobi	6018
LangID	1
D_	140
SREX	0.03
B_	24
da min	98
hidTable	ecat_NSRDGB
Oil rpm	5600
SRE	7.8
mass	1.19
GRS rpm	4800
ra	1.5
SRIX	0.03
D_a	132
SRIN	-0.03
C0	50
fo	15.6
SREN	-0.03
DE_	130.081



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Prod_Type3	DGBB_SR_OT
DA_	15.081
bomp	0
Z_	14
yobi	6018
C_conv	58000
ALPHA_	0
SDM_	115
r	1.5
KBRG	6101
SBRG	10
DI_	99.919