



# BROWNING BEARING COMPANY



90 mm x 190 mm x 64 mm skf 22318 e bearing

Bearing No. 22318 e

22318 e Bearing 2D drawings and 3D CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	8.823
EAN	7316570290394
Product Group	B04311
Internal 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
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Withdrawal Nut	Not Applicable
Inch - Metric	Metric
Long Description	90MM Straight Bore; 190MM Outside Diameter; 64MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510



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Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / LBS	19.434
B	2.52 Inch   64 Millimeter
D	7.48 Inch   190 Millimeter
d	3.543 Inch   90 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
bore diameter:	90 mm
maximum rpm:	3600 RPM
outside diameter:	190 mm
operating temperature range:	Maximum of +390 ° F
overall width:	64 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	64 mm
dynamic load capacity:	610 kN
fillet radius:	2.5 mm
static load capacity:	695 kN
series:	223
d	90 mm
D	190 mm



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B	64 mm
$d_2$	113 mm
$D_1$	161 mm
b	11.1 mm
K	6 mm
$r_{1,2}$ min.	3 mm
$d_a$ min.	104 mm
$D_a$ max.	176 mm
$r_a$ max.	2.5 mm
Basic dynamic load rating C	637 kN
Basic static load rating $C_0$	695 kN
Fatigue load limit $P_u$	67 kN
Reference speed	2600 r/min
Limiting speed	3600 r/min
Calculation factor e	0.33
Calculation factor $Y_1$	2
Calculation factor $Y_2$	3
Calculation factor $Y_0$	2
Mass bearing	9.05 kg