



Bearing No. 6418

D	225 mm
d	90 mm
B	54 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	64
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	225x90x54
Snap Ring	No
Width (mm)	54
bore type:	Round
Weight / LBS	22.05
Mass bearing	9.78 kg
maximum rpm:	4300 RPM
closure type:	Open
D ₁	180.55 mm
d ₁	132 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	90 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	3 mm
overall width:	54 mm
Bearing number	6418

Limiting speed	4300 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	6700 r/min
Outside Diameter	8.858 Inch 225 Millimeter
Manufacturer URL	http://www.skf.com
Outer Race Width	2.126 Inch 54 Millimeter
Long Description	90MM Bore; 225MM Outside Diameter; 54MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	10.01
outer ring width:	54 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	225 mm
Internal Clearance	C0-Medium
D _a max.	205 mm
Bore Diameter (mm)	225
d _a min.	110 mm
r _a max.	3 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	90
Minimum Buy Quantity	N/A
r _{1,2} min.	4 mm
r _a - max.	3 mm

D_a - max.	205 mm
d_a - min.	110 mm
static load capacity:	150 kN
d_1 ?	132 mm
D_1 ?	180.55 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	186 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	4 mm
Manufacturer Item Number	6418
Internal Special Features	No
Basic dynamic load rating C	186 kN
Basic dynamic load rating - C	186 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	5 kN
Calculation factor k_r	0.035
Calculation factor f_0	12.5
Fatigue load limit - P_u	5 kN
Calculation factor - k_r	0.035
Calculation factor - f_0	12.5
Basic static load rating C_0	150 kN
Basic static load rating - C_0	150 kN