



**Bearing No. 6221**

D	190 mm
d	105 mm
B	36 mm
Noun	Bearing
Bore	4.134 Inch   105 Millimeter
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	190x105x36
Snap Ring	No
Width (mm)	36
bore type:	Round
Weight / LBS	8.4
Mass bearing	3.79 kg
maximum rpm:	4500 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
closure type:	Open
D <sub>2</sub>	166.8 mm
d <sub>1</sub>	131.4 mm
Keyword String	Ball
bore diameter:	105 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	36 mm
Bearing number	6221

Limiting speed	4500 r/min
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	7000 r/min
Precision Class	ABEC 1   ISO P0
Outer Race Width	1.417 Inch   36 Millimeter
Long Description	105MM Bore; 190MM Outside Diameter; 36MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	7.48 Inch   190 Millimeter
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	190 mm
Manufacturer Name	SKF
Weight / Kilogram	3.81
outer ring width:	36 mm
Bore Diameter (mm)	190
Internal Clearance	C0-Medium
r <sub>a</sub> max.	2 mm
d <sub>a</sub> min.	117 mm
D <sub>a</sub> max.	178 mm
Outer Diameter (mm)	105
snap ring included:	Without Snap Ring
internal clearance:	C0
r <sub>a</sub> - max.	2 mm
D <sub>a</sub> - max.	178 mm
d <sub>a</sub> - min.	117 mm

$r_{1,2}$ min.	2.1 mm
Minimum Buy Quantity	N/A
$d_1$ ?	131.4 mm
$D_2$ ?	166.8 mm
row type & fill slot:	Single Row Non-Fill Slot
static load capacity:	104 kN
dynamic load capacity:	140 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6221
Internal Special Features	No
Basic dynamic load rating C	140 kN
Basic dynamic load rating - C	140 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	3.65 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.4
Fatigue load limit - $P_u$	3.6 kN
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	14.4
Basic static load rating $C_0$	104 kN
Basic static load rating - $C_0$	104 kN