



6220-2RS1 Bearing 2D drawings and 3D CAD models

161.16.0450.890.11.1503 Rothe erde slewing ring

Bearing No. 6220-2RS1

Size	180x100x34 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	34 mm
d	100 mm
D	180 mm
B	34 mm
d <sub>1</sub>	124,8 mm
D <sub>2</sub>	159,9 mm
r <sub>1,2</sub> - min.	2,1 mm
d <sub>a</sub> - min.	112 mm
d <sub>a</sub> - max.	124 mm
D <sub>a</sub> - max.	168 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	127 kN
Basic static load rating - C <sub>0</sub>	93 kN
Fatigue load limit - P <sub>u</sub>	3,4 kN
Limiting speed	2400 r/min
Calculation factor - k <sub>r</sub>	0,025
Calculation factor - f <sub>0</sub>	14,4
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.26



Product Group	B00308
Enclosure	2 Seals
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
Enclosure Type	Contact Seal
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	100MM Bore; 180MM Outside Diameter; 34MM Outer Race Diameter; 2 Seals; 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.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6220-2RS1
Weight / LBS	7.19
Outside Diameter	7.087 Inch   180 Millimeter
Bore	3.937 Inch   100 Millimeter
Outer Race Width	1.339 Inch   34 Millimeter
bore diameter:	100 mm
static load capacity:	93 kN
outside diameter:	180 mm
precision rating:	Not Rated



overall width:	34 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Double Sealed
outer ring width:	34 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	2 mm
internal clearance:	C0
maximum rpm:	2400 RPM
operating temperature range:	-40 to +210 ° F
series:	62
dynamic load capacity:	127 kN
$d_1$	124.8 mm
$D_2$	159.9 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	112 mm
$d_a$ max.	124 mm
$D_a$ max.	168 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	127 kN
Basic static load rating $C_0$	93 kN
Fatigue load limit $P_u$	3.35 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.4
Mass bearing	3.3 kg