



**Bearing No. 6310-2RS1/HC5C3WT**

D	110 mm
d	50 mm
B	25 mm
Bore	1.969 Inch   50 Millimeter
Noun	Bearing
UNSPSC	31171504
Category	Single Row Ball Bearing
Snap Ring	No
Size (mm)	110x50x25
Enclosure	2 Seals
Inventory	0.0
Width (mm)	25
Weight / LBS	0.92
Mass bearing	0.99 kg
Product Group	B00308
d <sub>2</sub>	54 mm
D <sub>2</sub>	95.2 mm
Inch - Metric	Metric
Cage Material	Steel
Bearing number	6310-2RS1/HC5C3WT
Keyword String	Ball
Enclosure Type	Contact Seal
Other Features	Deep Groove   NBR Seal   Hybrid Silicon Nitride Rolling Element   WT Standard Grease
Limiting speed	4500 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Long Description	50MM Bore; 110MM

	Outside Diameter; 27MM Outer Race Width; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; Silicon Nitride Rolling Element   Electrical Insulated Internal Special
Inner Race Width	0 Inch   0 Millimeter
Outer Race Width	1.063 Inch   27 Millimeter
Outside Diameter	4.331 Inch   110 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Name	SKF
Weight / Kilogram	0.947
Bore Diameter (mm)	110
Internal Clearance	C3-Loose
r <sub>a</sub> max.	1.5 mm
D <sub>a</sub> max.	99 mm
d <sub>a</sub> min.	61 mm
Outer Diameter (mm)	50
Minimum Buy Quantity	N/A
r <sub>1,2</sub> min.	2 mm
r <sub>a</sub> - max.	1.5 mm
D <sub>a</sub> - max.	91 mm
d <sub>a</sub> - min.	61 mm
d <sub>a</sub> - max.	68.7 mm
d <sub>1</sub> ?	68.76 mm
D <sub>2</sub> ?	95.2 mm
Harmonized Tariff Code	8482.10.50.68
Internal Special Features	Silicon Nitride Rolling Element   Electrical Insulated
Basic dynamic load	65 kN

rating C	
Basic dynamic load rating - C	55.3 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	1.6 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	13
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	13
Fatigue load limit - $P_u$	1.3 kN
Basic static load rating $C_0$	38 kN
Basic static load rating - $C_0$	31.5 kN