



Bearing No. 6010-2RS1

D	80 mm
d	50 mm
B	16 mm
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	60
Category	Single Row Ball Bearing
Size (mm)	80x50x16
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	16
bore type:	Round
maximum rpm:	5000 RPM
Weight / LBS	0.62
Mass bearing	0.27 kg
D ₂	72.8 mm
Cage Material	Steel
closure type:	Double Sealed
d ₁	59.75 mm
Product Group	B00308
Inch - Metric	Metric
fillet radius:	1 mm
cage material:	Steel
overall width:	16 mm
bore diameter:	50 mm
Limiting speed	5000 r/min
Keyword String	Ball

Enclosure Type	Contact Seal
Bearing number	6010-2RS1
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Manufacturer URL	http://www.skf.com
Long Description	50MM Bore; 80MM Outside Diameter; 16MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outer Race Width	0.63 Inch 16 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
precision rating:	Not Rated
outside diameter:	80 mm
Weight / Kilogram	0.281
outer ring width:	16 mm
Manufacturer Name	SKF
D _a max.	75.4 mm
r _a max.	1 mm
d _a max.	59.7 mm
Internal Clearance	C0-Medium
d _a min.	54.6 mm
Bore Diameter (mm)	80
internal clearance:	C0
Outer Diameter (mm)	50
D _a - max.	75.4 mm
r _{1,2} min.	1 mm
Minimum Buy Quantity	N/A
r _a - max.	1 mm
d _a - min.	54.6 mm

d_a - max.	59.7 mm
row type & fill slot:	Single Row Non-Fill Slot
d_1 ?	59.75 mm
static load capacity:	15.6 kN
$r_{1,2}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	22.9 kN
Manufacturer Item Number	6010-2RS1
Internal Special Features	No
Basic dynamic load rating C	22.9 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	22.9 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	0.71 kN
Calculation factor k_r	0.025
Calculation factor f_0	14.7
Calculation factor - k_r	0.025
Calculation factor - f_0	14.7
Fatigue load limit - P_u	0.71 kN
Basic static load rating C_0	15.6 kN
Basic static load rating - C_0	15.6 kN