



**35 mm x 80 mm x 31 mm SKF 2307 E-2RS1TN9
Self Aligning Ball Bearings**

Bearing No. 2307 E-2RS1TN9

2307 E-2RS1TN9 Bearing 2D drawings and 3D CAD models

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.717
EAN	7316577044501
Product Group	B00152
Mounting Method	Shaft
Enclosure	2 Seals
Rolling Element	Ball Bearing
Cage Material	Polyamide
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 1.5 Deg High Capacity Design
Long Description	35MM Bore; Shaft Mount; 80MM Outside Diameter; 31MM Inner Race Width; 31MM Outer Race Width; 2 Seals; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch - Metric	Metric
Category	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing



Keyword String	Self Aligning
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	2307 E-2RS1TN9
Weight / LBS	1.579
d	1.378 Inch 35 Millimeter
Inner Race Width	1.22 Inch 31 Millimeter
Outer Race Width	1.22 Inch 31 Millimeter
D	3.15 Inch 80 Millimeter
bore diameter:	35 mm
precision rating:	Not Rated
outside diameter:	80 mm
maximum rpm:	5600 RPM
overall width:	31 mm
cage material:	Fiberglass Reinforced Nylon
bore type:	Straight
finish/coating:	Uncoated
closure type:	Double Sealed
maximum misalignment:	3 °
internal clearance:	C0
outer ring width:	31 mm
operating temperature range:	-40 to +210 ° F
fillet radius:	1.5 mm
dynamic load capacity:	26.5 kN
series:	2300
static load capacity:	8.5 kN
d	35 mm
D	80 mm
B	31 mm
d ₂	43.7 mm
D ₂	69.2 mm
r _{1,2} min.	1.5 mm



d_a min.	43.5 mm
d_a max.	43.5 mm
D_a max.	71 mm
r_a max.	1.5 mm
Basic dynamic load rating C	26.5 kN
Basic static load rating C_0	8.5 kN
Fatigue load limit P_u	0.43 kN
Limiting speed	5600 r/min
Permissible angular misalignment	1.5 °
Calculation factor k_r	0.05
Calculation factor e	0.25
Calculation factor Y_0	2.5
Calculation factor Y_1	2.5
Calculation factor Y_2	3.9
Mass bearing	0.7 kg