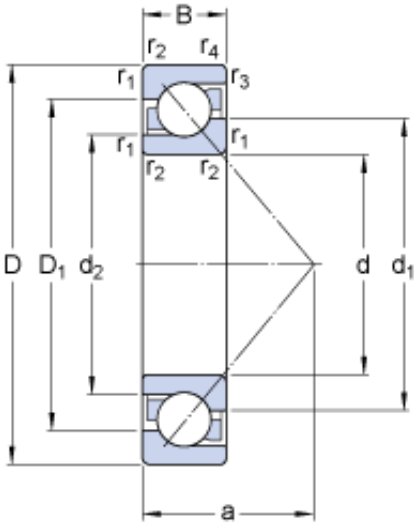




NTN Bearing Driveshaft USA CORP.



50 mm x 110 mm x 27 mm SKF 7310 BEGBP Angular contact ball bearings

Bearing No. 7310 BEGBP

7310 BEGBP Bearing 2D drawings and 3D CAD models

Size	110x50x27 mm
Bore Diameter	110 mm
Outer Diameter	50 mm
Width	27 mm
d	50 mm
D	110 mm
B	27 mm
d ₁	73.8 mm
d ₂	61.13 mm
D ₁	88.8 mm
a	47 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	61 mm
D _a - max.	99 mm
D _b - max.	104 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	75 kN
Basic static load rating - C ₀	51 kN
Fatigue load limit - P _u	2.2 kN
Reference speed	8000 r/min
Limiting speed	8000 r/min
Calculation factor - k _r	0.1



NTN Bearing Driveshaft USA CORP.

Calculation factor - k_a	1.6
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y_0	0.52
Calculation factor - Y_1	0.55
Calculation factor - Y_2	0.93
Calculation factor - X	0.35
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.04
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Medium
Mounting Arrangement	Universal
Inch - Metric	Metric



NTN Bearing Driveshaft USA CORP.

Long Description	50MM Bore; 110MM Outside Diameter; 27MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7310 BEGBP
Weight / LBS	2.288
Outside Diameter	4.331 Inch 110 Millimeter
Bore	1.969 Inch 50 Millimeter
Width	1.063 Inch 27 Millimeter
bore diameter:	50 mm
maximum temperature:	257 ° F
outside diameter:	110 mm
cage material:	Polyamide 66
overall width:	27 mm
maximum rpm:	8000 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	2 mm
bore type:	Round
series:	7300
closure type:	Open
weight:	2.43 lbs
bearing material:	Steel



NTN Bearing Driveshaft USA CORP.

manufacturer product page:	Click here
radial dynamic load capacity:	75 kN
manufacturer upc number:	7316577150653
radial static load capacity:	51 kN
d_1	73.8 mm
d_2	61.13 mm
D_1	88.8 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	61 mm
D_a max.	99 mm
D_b max.	104 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	75 kN
Basic static load rating C_0	51 kN
Fatigue load limit P_u	2.16 kN
Calculation factor A	0.0418
Calculation factor k_r	0.1
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Calculation factor X	0.57
Calculation factor Y_0	0.52
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Mass bearing	1.1 kg