



Bearing No. 7318 BEGAP

a	80 mm
d	90 mm
D	190 mm
B	43 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
Width	1.693 Inch 43 Millimeter
UNSPSC	31171531
weight:	11.5 lbs
Preload	Light
series:	7300
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Size (mm)	190x90x43
Enclosure	Open
bore type:	Round
Width (mm)	43
Flush Ground	Yes
Weight / LBS	10.968
Mass bearing	5.2 kg
maximum rpm:	4500 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polymer
D ₁	153.1 mm
d ₂	108.97 mm

d ₁	129.2 mm
closure type:	Open
bore diameter:	90 mm
Keyword String	Angular Contact
overall width:	43 mm
contact angle:	40 °
fillet radius:	3 mm
cage material:	Polyamide 66
Bearing number	7318 BEGAP
Limiting speed	4500 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	4500 r/min
Outside Diameter	7.48 Inch 190 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Weight / Kilogram	4.98
bearing material:	Steel
outside diameter:	190 mm
Manufacturer Name	SKF
d _a min.	104 mm
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Bore Diameter (mm)	190
r _b max.	1 mm

r_a max.	2.5 mm
D_b max.	183 mm
D_a max.	176 mm
Outer Diameter (mm)	90
$r_{3,4}$ min.	1.1 mm
D_b - max.	183 mm
Calculation factor X	0.57
Mounting Arrangement	Universal
d_a - min.	104 mm
Minimum Buy Quantity	N/A
D_a - max.	176 mm
r_a - max.	2.5 mm
$r_{1,2}$ min.	3 mm
r_b - max.	1 mm
Calculation factor e	1.14
maximum temperature:	257 °F
Calculation factor A	0.333
row type & fill slot:	Single-Row Non-Fill Slot
d_1 ?	129.2 mm
d_2 ?	108.97 mm
D_1 ?	153.1 mm
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	1.1 mm
Calculation factor - e	1.14
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
manufacturer upc number:	7316577151193
Manufacturer Item Number	7318 BEGAP
manufacturer product page:	Click here

Basic dynamic load rating C	166 kN
radial static load capacity:	146 kN
radial dynamic load capacity:	166 kN
Basic dynamic load rating - C	166 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	5.3 kN
Calculation factor k_r	0.1
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Fatigue load limit - P_u	5.3 kN
Calculation factor - k_a	1.6
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Basic static load rating C_0	146 kN
Basic static load rating - C_0	146 kN