



**Bearing No. 7318 BEGAPH**

D	190 mm
d	90 mm
B	43 mm
a	80 mm
Bore	3.543 Inch   90 Millimeter
Noun	Bearing
Width	1.693 Inch   43 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	190x90x43
Snap Ring	No
Width (mm)	43
Flush Ground	Yes
Mass bearing	5.2 kg
Contact Angle	40 Degree
Cage Material	PEEK
Inch - Metric	Metric
D <sub>1</sub>	153.1 mm
d <sub>2</sub>	108.97 mm
d <sub>1</sub>	129.2 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7318 BEGAPH
Limiting speed	4500 r/min

Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	4500 r/min
Outside Diameter	7.48 Inch   190 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; PEEK Cage; 40 Degree; 1 (Single); L
Manufacturer Name	SKF
Weight / Kilogram	5.073
$r_b$ max.	1 mm
$r_a$ max.	2.5 mm
Internal Clearance	C0-Medium
$D_b$ max.	183 mm
Bore Diameter (mm)	190
$D_a$ max.	176 mm
$d_a$ min.	104 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	90
$r_b$ - max.	1 mm
$r_a$ - max.	2.5 mm
$r_{1,2}$ min.	3 mm
Minimum Buy Quantity	N/A
$D_b$ - max.	183 mm
Mounting Arrangement	Universal
$D_a$ - max.	176 mm
Calculation factor A	0.333

$d_a$ - min.	104 mm
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.1 mm
$D_1$ ?	153.1 mm
$d_2$ ?	108.97 mm
$d_1$ ?	129.2 mm
Calculation factor - e	1.14
$r_{3,4}$ - min.	1.1 mm
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	3 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7318 BEGAPH
Basic dynamic load rating C	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
Fatigue load limit - $P_u$	5.3 kN
Calculation factor - $k_r$	0.1
Calculation factor - $k_a$	1.6
Calculation factor - $Y_2$	0.57
Calculation factor - $Y_1$	
Calculation factor - $Y_0$	0.26

Basic static load rating $C_0$	146 kN
Basic static load rating - $C_0$	146 kN