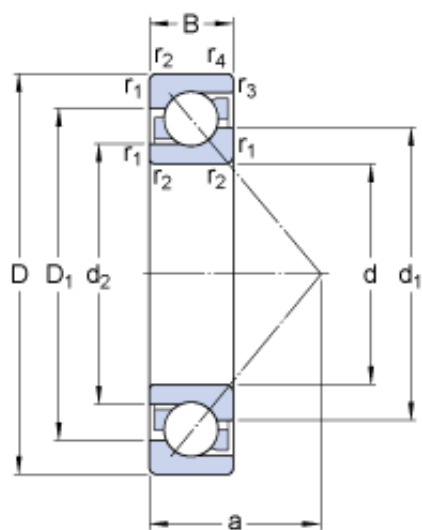




Bearing No. 7218 BECBM

a	67 mm
d	90 mm
D	160 mm
B	30 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	1.181 Inch 30 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	160x90x30
Inventory	9.0
Width (mm)	30
Weight / LBS	5.32
maximum rpm:	5000 RPM
Flush Ground	Yes
Mass bearing	2.3 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	117.1 mm
D ₁	134.8 mm
d ₂	103.06 mm

Bearing number	7218 BECBM
bore diameter:	90 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	5000 r/min
overall width:	30 mm
contact angle:	40 °
fillet radius:	2 mm
Reference speed	5000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Long Description	90MM Bore; 160MM Outside Diameter; 30MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Manufacturer URL	http://www.skf.com
Outside Diameter	6.299 Inch 160 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	30 mm
Manufacturer Name	SKF
outside diameter:	160 mm
Weight / Kilogram	2.42
r _b max.	1 mm
Bore Diameter (mm)	160
D _a max.	149 mm
D _b max.	154 mm
r _a max.	2 mm

d _a min.	101 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	90
Calculation factor A	0.149
d _a - min.	101 mm
r _a - max.	2 mm
D _b - max.	154 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
r _{1,2} min.	2 mm
D _a - max.	149 mm
r _{3,4} min.	1 mm
Calculation factor X	0.57
Calculation factor e	1.14
r _b - max.	1 mm
D ₁ ?	134.8 mm
d ₂ ?	103.06 mm
d ₁ ?	117.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	2 mm
Harmonized Tariff Code	8482.10.50.28
r _{3,4} - min.	1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7218 BECBM
Basic dynamic load rating C	116 kN
radial static load capacity:	104 kN

Basic dynamic load rating - C	116 kN
radial dynamic load capacity:	116 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.095
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Fatigue load limit P_u	4 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.095
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Fatigue load limit - P_u	4 kN
Calculation factor - k_a	1.4
Basic static load rating C_0	104 kN
Basic static load rating - C_0	104 kN