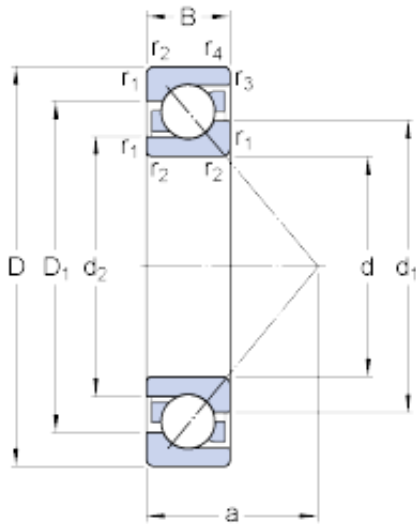




LEDONG Machinery Co., Ltd.



75 mm x 190 mm x 45 mm SKF 7415 BCBM angular contact ball bearings

Bearing No. 7415 BCBM

7415 BCBM Bearing 2D drawings and 3D CAD models

Size	190x75x45 mm
Bore Diameter	190 mm
Outer Diameter	75 mm
Width	45 mm
d	75 mm
D	190 mm
B	45 mm
d ₁	119.6 mm
d ₂	97.65 mm
D ₁	147.6 mm
a	78 mm
r _{1,2} - min.	3 mm
r _{3,4} - min.	3 mm
d _a - min.	55 mm
D _a - max.	110 mm
D _b - max.	170.8 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	168 kN
Basic static load rating - C ₀	140 kN
Fatigue load limit - P _u	5.1 kN
Reference speed	4300 r/min
Limiting speed	4500 r/min
Calculation factor - k _r	0.1



LEDONG Machinery Co., Ltd.

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	6.86
EAN	7316571267180
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	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



LEDONG Machinery Co., Ltd.

Long Description	75MM Bore; 190MM Outside Diameter; 45MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Other Features	Normal Axial Internal Clearance
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	7415 BCBM
Weight / LBS	15.102
Outside Diameter	7.48 Inch 190 Millimeter
Bore	2.953 Inch 75 Millimeter
Width	1.772 Inch 45 Millimeter
bore diameter:	75 mm
radial static load capacity:	140 kN
outside diameter:	190 mm
cage material:	Brass
overall width:	45 mm
outer ring width:	45 mm
contact angle:	40 °
maximum rpm:	4500 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	2.5 mm



LEDONG Machinery Co., Ltd.

radial dynamic load capacity:	168 kN
series:	74
d_1	119.6 mm
d_2	97.65 mm
D_1	147.6 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	3 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	170.8 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	168 kN
Basic static load rating C_0	140 kN
Fatigue load limit P_u	5.1 kN
Calculation factor A	0.377
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	6.85 kg