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25 mm x 62 mm x 17 mm SKF 7305 BECBM angular contact ball bearings

Bearing No. 7305 BECBM

7305 BECBM Bearing 2D drawings and 3D CAD models

Size	62x25x17 mm
Bore Diameter	62 mm
Outer Diameter	25 mm
Width	17 mm
d	25 mm
D	62 mm
B	17 mm
d ₁	39.65 mm
d ₂	32.38 mm
D ₁	48.25 mm
a	26.8 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	32 mm
D _a - max.	55 mm
D _b - max.	57.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	26.5 kN
Basic static load rating - C ₀	15.3 kN
Fatigue load limit - P _u	0.655 kN
Reference speed	15000 r/min
Limiting speed	15000 r/min
Calculation factor - k _r	0.1



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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	0.254
EAN	7316576633768
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



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Long Description	25MM Bore; 62MM Outside Diameter; 17MM 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	7305 BECBM
Weight / LBS	0.539
Bore	0.984 Inch 25 Millimeter
Width	0.669 Inch 17 Millimeter
Outside Diameter	2.441 Inch 62 Millimeter
bore diameter:	25 mm
radial static load capacity:	15.3 kN
outside diameter:	62 mm
cage material:	Brass
overall width:	17 mm
outer ring width:	17 mm
contact angle:	40 °
maximum rpm:	15000 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:	1 mm



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radial dynamic load capacity:	26.5 kN
series:	73
d_1	39.75 mm
d_2	32.38 mm
D_1	48.25 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	32 mm
D_a max.	55 mm
D_b max.	57.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	26.5 kN
Basic static load rating C_0	15.3 kN
Fatigue load limit P_u	0.655 kN
Calculation factor A	0.00391
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	0.23 kg