



Bearing No. 7305 BECBY

a	26.8 mm
d	25 mm
D	62 mm
B	17 mm
Noun	Bearing
Bore	0.984 Inch 25 Millimeter
Width	0.669 Inch 17 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	62x25x17
Inventory	0.0
Width (mm)	17
Weight / LBS	0.531
maximum rpm:	14000 RPM
Flush Ground	Yes
Mass bearing	0.23 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	39.65 mm
D ₁	48.25 mm
d ₂	32.38 mm

Bearing number	7305 BECBY
bore diameter:	25 mm
Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	14000 r/min
overall width:	17 mm
contact angle:	40 °
fillet radius:	1 mm
Reference speed	14000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
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
Manufacturer URL	http://www.skf.com
Outside Diameter	2.441 Inch 62 Millimeter
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	17 mm
Manufacturer Name	SKF
outside diameter:	62 mm
Weight / Kilogram	0.24
r _b max.	0.6 mm
Bore Diameter (mm)	62
D _a max.	55 mm
D _b max.	57.8 mm
r _a max.	1 mm

d _a min.	32 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
internal clearance:	C0
Outer Diameter (mm)	25
Calculation factor A	0.00391
d _a - min.	32 mm
r _a - max.	1 mm
D _b - max.	57.8 mm
Mounting Arrangement	Universal
Minimum Buy Quantity	N/A
r _{1,2} min.	1.1 mm
D _a - max.	55 mm
r _{3,4} min.	0.6 mm
Calculation factor X	0.57
Calculation factor e	1.14
r _b - max.	0.6 mm
D ₁ ?	48.25 mm
d ₂ ?	32.38 mm
d ₁ ?	39.75 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
r _{3,4} - min.	0.6 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7305 BECBY
Basic dynamic load rating C	26.5 kN
radial static load capacity:	15.6 kN

Basic dynamic load rating - C	24.2 kN
radial dynamic load capacity:	26 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.1
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Fatigue load limit P_u	0.655 kN
Calculation factor - Y_2	0.57
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Fatigue load limit - P_u	0.6 kN
Calculation factor - k_a	1.6
Basic static load rating C_0	15.3 kN
Basic static load rating - C_0	14 kN