



TIMKEN AXLE CORP.



25 mm x 62 mm x 17 mm SKF 7305 BEGBY Angular Contact Ball Bearings

Bearing No. 7305 BEGBY

7305 BEGBY Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.24
EAN	7316577067968
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	C0-Medium
Number of Bearings	1 (Single)
Preload	Medium
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	25MM Bore; 62MM Outside Diameter; 17MM Width; Open; Yes Flush Ground; Ball Bearing; Single



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	Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
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 BEGBY
Weight / LBS	0.531
d	0.984 Inch 25 Millimeter
D	2.441 Inch 62 Millimeter
B	0.669 Inch 17 Millimeter
bore diameter:	25 mm
radial static load capacity:	15.6 kN
outside diameter:	62 mm
cage material:	Brass
overall width:	17 mm
outer ring width:	17 mm
contact angle:	40 °
maximum rpm:	14000 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
radial dynamic load capacity:	26 kN
series:	73
d	25 mm



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D	62 mm
B	17 mm
d ₁	39.75 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	24.2 kN
Basic static load rating C ₀	14 kN
Fatigue load limit P _u	0.6 kN
Reference speed	14000 r/min
Limiting speed	14000 r/min
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