



## BEARING-MALAYSIA SDN.BHD.



7305 BEY Bearing 2D drawings and 3D CAD models

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

Bearing No. 7305 BEY

Size	62x25x17 mm
Bore Diameter	62 mm
Outer Diameter	25 mm
Width	17 mm
d	25 mm
D	62 mm
B	17 mm
d <sub>1</sub>	39.65 mm
d <sub>2</sub>	32.38 mm
D <sub>1</sub>	48.25 mm
a	26.8 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
d <sub>a</sub> - min.	32 mm
D <sub>a</sub> - max.	55 mm
D <sub>b</sub> - max.	57.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	24.2 kN
Basic static load rating - C <sub>0</sub>	14 kN
Fatigue load limit - P <sub>u</sub>	0.6 kN
Reference speed	14000 r/min
Limiting speed	14000 r/min
Calculation factor - k <sub>r</sub>	0.1



## BEARING-MALAYSIA SDN.BHD.

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	0.25
Product Group	B00308
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	25MM Bore; 62MM Outside Diameter; 17MM



## BEARING-MALAYSIA SDN.BHD.

	Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Brass Cage; 40 Degree; 1 (Single)
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7305 BEY
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:	15.6 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



## BEARING-MALAYSIA SDN.BHD.

$d_1$	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	24.2 kN
Basic static load rating $C_0$	14 kN
Fatigue load limit $P_u$	0.6 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