



### Bearing No. 31305 J2

B	17 mm
C	13 mm
a	19.689 mm
d	25 mm
D	62 mm
T	18.25 mm
series:	313
Category	Roller Bearings
Size (mm)	62x25x18.25
Inventory	1.0
cup width:	13 mm
Width (mm)	18,25
cone width:	17 mm
maximum rpm:	11000 RPM
flange type:	Non-Flanged Cup
Product Group	B04334
d <sub>1</sub>	45.8 mm
closure type:	Open
Bearing number	31305 J2
bore diameter:	25 mm
assembly type:	Cone & Cup
Limiting speed	11000 r/min
cage material:	Steel
Reference speed	7500 r/min
finish/coating:	Uncoated
Weight / Kilogram	0.268
outside diameter:	62 mm
Manufacturer Name	SKF
Bore Diameter (mm)	62
Outer Diameter (mm)	25

$d_a$ - max.	34 mm
$d_b$ - min.	32 mm
$D_a$ - min.	47 mm
$D_b$ - min.	59 mm
$D_a$ - max.	55 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	1.5 mm
$r_b$ - max.	1.5 mm
$C_b$ - min.	5 mm
$C_a$ - min.	3 mm
static load capacity:	40 kN
abma precision rating:	Class 3
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	1.5 mm
Calculation factor - Y	0.72
Calculation factor - e	0.83
dynamic load capacity:	38 kN
operating temperature range:	Maximum of +250 °F
Basic dynamic load rating - C	38 kN
Calculation factor - $Y_0$	0.4
Fatigue load limit - $P_u$	4.4 kN
Basic static load rating - $C_0$	40 kN