



### Bearing No. 32036 X

T	64 mm
a	59 mm
C	48 mm
B	64 mm
d	180 mm
D	280 mm
series:	320
Category	Roller Bearings
Size (mm)	280x180x64
Inventory	1.0
Width (mm)	64
cup width:	48 mm
cone width:	64 mm
flange type:	Non-Flanged Cup
maximum rpm:	2200 RPM
Mass bearing	14.2 kg
d <sub>1</sub>	230.2 mm
closure type:	Open
Product Group	B04334
cage material:	Steel
Limiting speed	2200 r/min
assembly type:	Cone & Cup
bore diameter:	180 mm
Bearing number	32036 X
finish/coating:	Uncoated
Reference speed	1600 r/min
Dimension series	3FD
Weight / Kilogram	14.325
Manufacturer Name	SKF
outside diameter:	280 mm

$C_b$ min.	16 mm
$d_a$ max.	200 mm
Bore Diameter (mm)	280
$D_a$ max.	267 mm
$D_b$ min.	267 mm
$D_a$ min.	247 mm
$C_a$ min.	10 mm
$r_b$ max.	2.5 mm
$d_b$ min.	195.5 mm
$r_a$ max.	3 mm
Outer Diameter (mm)	180
$C_a$ - min.	10 mm
Calculation factor Y	1.4
$r_{3,4}$ min.	2.5 mm
$r_{1,2}$ min.	3 mm
Calculation factor e	0.43
$D_b$ - min.	267 mm
$d_a$ - max.	199 mm
$d_b$ - min.	192 mm
$r_a$ - max.	3 mm
Minimum Buy Quantity	N/A
$D_a$ - min.	247 mm
$C_b$ - min.	16 mm
$D_a$ - max.	268 mm
$r_b$ - max.	2.5 mm
static load capacity:	1160 kN
$d_1$ ?	230.2 mm
$r_{3,4}$ - min.	2.5 mm
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	644 kN
Calculation factor - Y	1.4
Calculation factor - e	0.43

Basic dynamic load rating C	793 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	644 kN
Fatigue load limit $P_u$	110 kN
Calculation factor $Y_0$	0.8
Fatigue load limit - $P_u$	110 kN
Calculation factor - $Y_0$	0.8
Basic static load rating $C_0$	1160 kN
Basic static load rating - $C_0$	1160 kN