



Bearing No. 23180 CAK/W33

b	22.3 mm
K	12 mm
d	400 mm
D	650 mm
B	200 mm
series:	231
Category	Roller Bearings
Size (mm)	650x400x200
Inventory	0.0
Width (mm)	200
cage type:	Inner Ring Guided
bore type:	Tapered 1:12
maximum rpm:	950 RPM
Mass bearing	255 kg
D <sub>1</sub>	566 mm
d <sub>2</sub>	475 mm
closure type:	Open
Product Group	B04311
cage material:	Brass
overall width:	200 mm
fillet radius:	5 mm
Bearing number	23180 CAK/W33
bore diameter:	400 mm
Limiting speed	950 r/min
finish/coating:	Uncoated
Reference speed	530 r/min
outer ring type:	Not Split
outside diameter:	650 mm
outer ring width:	200 mm
bearing material:	Steel

precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	277.049
Bore Diameter (mm)	650
$r_a$ max.	5 mm
$D_a$ max.	624 mm
Outer Diameter (mm)	400
internal clearance:	C3
Calculation factor e	0.28
$r_a$ - max.	5 mm
$D_a$ - max.	624 mm
$d_a$ - max.	475 mm
Minimum Buy Quantity	N/A
$d_a$ - min.	416 mm
$r_{1,2}$ min.	6 mm
static load capacity:	7650 kN
$d_2$ ?	475 mm
$D_1$ ?	566 mm
Calculation factor - e	0.28
dynamic load capacity:	4650 kN
lubrication hole type:	Lubrication Groove & Hole
$r_{1,2}$ - min.	6 mm
Basic dynamic load rating C	4864 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	4864 kN
Fatigue load limit $P_u$	530 kN
Calculation factor $Y_1$	2.4
Calculation factor $Y_2$	3.6
Calculation factor $Y_0$	2.5

Calculation factor - $Y_2$	3.6
Calculation factor - $Y_0$	2.5
Calculation factor - $Y_1$	2.4
Fatigue load limit - $P_u$	530 kN
Basic static load rating $C_0$	7650 kN
Basic static load rating - $C_0$	7650 kN