



Bearing No. 23096B

k	16 mm
b	27 mm
d	480 mm
D	700 mm
B	165 mm
C	165 mm
e	0.23
Y1	2.94
D1	632.2 mm
d2	551 mm
Y2	4.38
Y0	2.88
Nlim	750 rpm
Nref	550 rpm
rs min	6 mm
Weight	217 Kg
da min	503 mm
Da max	677 mm
ra max	5 mm
r min.	6 mm
ra max.	5 mm
Da max.	672 mm
da min.	508 mm
Category	Bearings
Inventory	0.0
Size (mm)	480x700x165
Width (mm)	165
Product Group	B04311
Bearing number	23096B
Dynamic load, C	3,650 kN

Static load, C0	7,700 kN
Weight / Kilogram	217.3
Manufacturer Name	NTN
Bore Diameter (mm)	480
Outer Diameter (mm)	700
Minimum Buy Quantity	N/A
Radial clearance class	CN
Fatigue limit load, Cu	1,008 kN
Calculation factor (e)	0,23
Calculation factor (Y0)	2,88
(Oil) Lubrication Speed	550 r/min
Calculation factor (Y1)	2,94
(Grease) Lubrication Speed	420 r/min
Number of lubrication holes	8
Basic static load rating (C0)	7 700 kN
Basic dynamic load rating (C)	3 650 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic inner ring frequency, BPF1	16.36 Hz
Characteristic outer ring frequency, BPF0	13.65 Hz
Characteristic rolling element frequency, BSF	10.86 Hz