

# X33116/Y33116

## 80x130x37mm

### factor (e) 0.42 roller bearings

# Timken

## Calculation

### Tapered

Bearing number	X33116/Y33116
Size (mm)	80x130x37
Brand	Timken
Bore Diameter (mm)	80
Outer Diameter (mm)	130
Width (mm)	37
d	80 mm
D	130 mm
T	37 mm
B	37 mm
C	29 mm
R	2 mm
r	1.5 mm
a –	6.1 mm
Da	125 mm
db	94 mm
da	89 mm
Db	119 mm
Aa	3.4 mm
Ab	2.4 mm
Weight	1.88 Kg
Basic static load rating (C0)	300 kN

Factor (G1)	121.6
Factor (G2)	37.9
Factor (Cg)	0.0229
Factor (K)	1.4
Basic dynamic load rating (C90)	50.1
Basic dynamic load rating (Ca90)	35.7
Basic dynamic load rating (C1)	193 kN
Calculation factor (e)	0.42