

X33109/Y33109

45x80x26mm Calculation

(e) 0.38 Tapered

bearings

Timken

factor

roller

Bearing number	X33109/Y33109
Size (mm)	45x80x26
Brand	Timken
Bore Diameter (mm)	45
Outer Diameter (mm)	80
Width (mm)	26
d	45 mm
D	80 mm
T	26 mm
B	26 mm
C	20.5 mm
R	1.5 mm
r	1.5 mm
a –	6.6 mm
Da	76 mm
db	55 mm
da	52 mm
Db	71 mm
Aa	1.9 mm
Ab	1.7 mm
Weight	0.53 Kg
Basic static load rating (C0)	119 kN

Factor (G1)	35.7
Factor (G2)	16.5
Factor (Cg)	0.0214
Factor (K)	1.52
Basic dynamic load rating (C90)	22.8
Basic dynamic load rating (Ca90)	15
Basic dynamic load rating (C1)	88 kN
Calculation factor (e)	0.38