

# X32218/Y32218 Timken 90x160x42.5mm Calculation factor (e) 0.42 Tapered roller bearings

Bearing number	X32218/Y32218
Size (mm)	90x160x42.5
Brand	Timken
Bore Diameter (mm)	90
Outer Diameter (mm)	160
Width (mm)	42.5
d	90 mm
D	160 mm
T	42.5 mm
B	40 mm
C	34 mm
R	2.5 mm
r	2 mm
a –	6.4 mm
Da	152 mm
db	105 mm
da	100 mm
Db	144 mm
Aa	4.5 mm
Ab	3.8 mm
Weight	3.34 Kg
Basic static load rating (C <sub>0</sub> )	348 kN

Factor (G1)	141.5
Factor (G2)	33.6
Factor (Cg)	0.0244
Factor (K)	1.39
Basic dynamic load rating (C90)	66.8
Basic dynamic load rating (Ca90)	48.1
Basic dynamic load rating (C1)	258 kN
Calculation factor (e)	0.42