

NTN

E-

M255449D/M255410/M255410DA tapered roller bearings

Our highly-skilled and factory-trained service experts have the resources to help you 107000 Series with all your NTN E-M255449D/M255410/M255410DA tapered roller bearings needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

Series	107000
Cone Part Number	EE107057
Cup Part Number	107105
Design Units	Imperial
Bearing Weight	17.50 Kg
Cage Type	Stamped Steel
d	146.050 mm
D	268.288 mm
B – Cone Width	74.613 mm
C – Cup Width	57.150 mm
B	74.613 mm
R – Cone Backface To Clear Radius1	6.35 mm
r – Cup Backface To Clear Radius2	6.35 mm
da – Cone Frontface Backing Diameter	166.12 mm
db – Cone Backface Backing Diameter	176.02 mm
Da – Cup Frontface Backing Diameter	249.68 mm
Db – Cup Backface Backing Diameter	236.98 mm
Ab – Cage-Cone Frontface Clearance	4.1 mm
Aa – Cage-Cone Backface Clearance	6.9 mm

a – Effective Center Location ³	-15 mm
C ₉₀ – Dynamic Radial Rating (90 million revolutions) ⁴	45700 lbf
C ₁ – Dynamic Radial Rating (1 million revolutions) ⁵	176000 lbf
C ₀ – Static Radial Rating	263000 lbf
Ca ₉₀ – Dynamic Thrust Rating (90 million revolutions) ⁶	30300 lbf
K – Factor ⁷	1.51
e – ISO Factor ⁸	0.39
Y – ISO Factor ⁹	1.55
G ₁ – Heat Generation Factor (Roller-Raceway)	606
G ₂ – Heat Generation Factor (Rib-Roller End)	76.3
C _g – Geometry Factor	0.116