

Timken NUP205E.TVP cylindrical roller bearings

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Series	LM451300
Cone Part Number	LM451349AX
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	275000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	71200 lbf
d	10.5 in
B – Cone Width	2.2500 in
R – Cone Backface To Clear Radius ³	0.380 in
da – Cone Frontface Backing Diameter	11.06 in
db – Cone Backface Backing Diameter	11.69 in
Ab – Cage-Cone Frontface Clearance	0.18 in
Aa – Cage-Cone Backface Clearance	0.19 in
a – Effective Center Location ⁴	0.2 in
C90 – Dynamic Radial Rating (90 million revolutions) ⁵	40900 lbf
C1 – Dynamic Radial Rating (1 million revolutions) ⁶	158000 lbf
C0 – Static Radial Rating	339000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁷	25200 lbf

K – Factor8	1.62
G1 – Heat Generation Factor (Roller-Raceway)	1554.1
G2 – Heat Generation Factor (Rib-Roller End)	212.2
Cg – Geometry Factor	0.154