

# IKO GTR 9311850 needle roller bearings

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Series	6300
Cone Part Number	6386
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>	126000 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup>	32600 lbf
d	2.6250 in
B – Cone Width	2.2050 in
R – Cone Backface To Clear Radius <sup>3</sup>	0.170 in
da – Cone Frontface Backing Diameter	3.04 in
db – Cone Backface Backing Diameter	3.43 in
Ab – Cage-Cone Frontface Clearance	0.05 in
Aa – Cage-Cone Backface Clearance	0.13 in
a – Effective Center Location <sup>4</sup>	-0.76 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>5</sup>	18700 lbf
C1 – Dynamic Radial Rating (1 million revolutions) <sup>6</sup>	72300 lbf
C0 – Static Radial Rating	90900 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>7</sup>	10400 lbf
K – Factor <sup>8</sup>	1.8

G1 – Heat Generation Factor (Roller-Raceway)	124
G2 – Heat Generation Factor (Rib-Roller End)	22.4
Cg – Geometry Factor	0.0827